

# OpenPGP Keys

Revision: [50974](#)

2017-09-29 10:56:30 by wosch.

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These OpenPGP keys can be used to verify a signature or send encrypted email to FreeBSD.org officers or developers. The complete keyring can be downloaded at <https://www.FreeBSD.org/doc/pgpkeyring.txt>.

## 1. Officers

### 1.1. Security Officer Team <[security-officer@FreeBSD.org](mailto:security-officer@FreeBSD.org)>

```
pub   rsa4096/D39792F49EA7E5C2 2017-08-16 [SC] [expires: 2023-01-02]
      Key fingerprint = FC0E 878A E5AF E788 028D 6355 D397 92F4 9EA7 E5C2
uid   FreeBSD Security Officer <security-officer@FreeBSD.org>
sub   rsa4096/6DD0A349F26ADEFD 2017-08-16 [E] [expires: 2023-01-02]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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## 1.2. Security Team Secretary <secteam-secretary@FreeBSD.org>

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pub 4096R/3CB2EAFCC3D6C666 2013-09-24 [expires: 2018-01-01]
Key fingerprint = FA97 AA04 4DF9 0969 D5EF 4ADA 3CB2 EAFc C3D6 C666
uid FreeBSd Security Team Secretary <secteam-secretary@FreeBSD.org>
sub 4096R/509B26612335EB65 2013-09-24 [expires: 2018-01-01]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 1.3. Core Team Secretary <core-secretary@FreeBSD.org>

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pub  rsa2048/0CB403E4E95B96EC 2018-06-30 [SC] [expires: 2020-06-29]
     Key fingerprint = 9F02 836F 50D3 AD5A B75A C588 0CB4 03E4 E95B 96EC
uid  FreeBSD Core Team Secretary <core-secretary@freebsd.org>
sub  rsa2048/133C3338A5B95A60 2018-06-30 [E] [expires: 2020-06-29]
     Key fingerprint = FA37 B8AA C667 C3AA D310 751D 133C 3338 A5B9 5A60
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#### 1.4. Ports Management Team Secretary <portmgr-secretary@FreeBSD.org>

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    Key fingerprint = FB37 45C8 6F15 E8ED AC81 32FC D829 4EC3 BBC4 D7D5
uid      FreeBSD Ports Management Team Secretary <portmgr-
secretary@FreeBSD.org>
sub  rsa2048/5CC117965F65CFE7 2012-07-24 [E]
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### 1.5. <doceng-secretary@FreeBSD.org>

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pub  rsa2048/E1C03580AEB45E58 2019-10-31 [SC] [expires: 2022-10-30]
      Key fingerprint = F24D 7B32 B864 625E 5541 A0E4 E1C0 3580 AEB4 5E58
uid  FreeBSD Doceng Team Secretary <doceng-secretary@freebsd.org>
sub  rsa2048/9EA8D713509472FC 2019-10-31 [E] [expires: 2022-10-30]
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## 2. Core Team Members

### 2.1. Allan Jude <allanjude@FreeBSD.org>

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pub  rsa4096/1995353E12980B7E 2015-06-04 [expires: 2025-06-01]
      Key fingerprint = 93A4 DA40 92D4 AEF7 63AC 1928 1995 353E 1298 0B7E
uid  Allan Jude <allanjude@freebsd.org>
uid  [jpeg image of size 7056]
sub  rsa4096/1DD7B1598B7D37A3 2015-06-04 [expires: 2025-06-01]
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## 2.2. Benedict Reuschling <bcr@FreeBSD.org>

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### 2.3. Brooks Davis <[brooks@FreeBSD.org](mailto:brooks@FreeBSD.org)>

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### 2.4. Hiroki Sato <hrs@FreeBSD.org>

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## 2.5. Warner Losh <imp@FreeBSD.org>

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-----END PGP PUBLIC KEY BLOCK-----
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## 2.6. John Baldwin <jhb@FreeBSD.org>

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pub dsa1024/72DE520677E37F04 2006-08-02
Key fingerprint = 9E54 9A1D DA2E 0F0B F3FA 713D 72DE 5206 77E3 7F04
uid John Baldwin <john@baldwin.cx>
uid John Baldwin <jhb@FreeBSD.org>
sub elg2048/07EEC9ABEB4C6ADF 2006-08-02
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-----END PGP PUBLIC KEY BLOCK-----
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## 2.7. Kris Moore <kmoore@FreeBSD.org>

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pub 1024D/6294612C 2009-05-26  
Key fingerprint = 8B70 9876 346F 1F97 5687 6950 4C92 D789 6294 612C  
uid Kris Moore <kmoore@freebsd.org>  
sub 2048g/A7FFE8FB 2009-05-26
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## 2.8. Sean Chittenden <seanc@FreeBSD.org>

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pub rsa2048/D75366AADC79472D 2018-04-22 [SC] [expires: 2021-04-21]  
Key fingerprint = EF8C B8E1 2506 6786 0D47 4FF1 D753 66AA DC79 472D  
uid Sean Chittenden <sean@chittenden.org>  
uid Sean Chittenden <seanc@FreeBSD.org>  
sub rsa2048/1F3FC65702B2794E 2018-04-22 [E] [expires: 2021-04-21]
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## 3. Developers

### 3.1. Ariff Abdullah <ariff@FreeBSD.org>

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    Key fingerprint = 5C7C 6BF4 8293 DE76 27D9 FD57 96BF 9D78 C530 4CDA
uid                               Ariff Abdullah <skywizard@MyBSD.org.my>
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### 3.2. Thomas Abthorpe <tabthorpe@FreeBSD.org>

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uid Thomas Abthorpe (FreeBSD Committer) <tabthorpe@FreeBSD.org>
uid Thomas Abthorpe <tabthorpe@abthorpe.org>
uid Thomas Abthorpe <tabthorpe@goodking.ca>
uid Thomas Abthorpe <tabthorpe@goodking.org>
uid Thomas Abthorpe <thomas@goodking.ca>
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### 3.3. Eitan Adler <eadler@FreeBSD.org>

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-----END PGP PUBLIC KEY BLOCK-----

### 3.4. Matthew Ahrens <mahrens@FreeBSD.org>

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pub 2048R/9A9ECAFE896EC4F 2014-04-08 [expires: 2017-04-07]
    Key fingerprint = 998A 25DF CA35 CC0B 1C14 39F4 9A9E CAFE E896 EC4F
uid                                     Matthew Ahrens <matt@mahrens.org>
uid                                     Matthew Ahrens <matthew.ahrens@delphix.com>
uid                                     Matthew Ahrens <mahrens@alumni.brown.edu>
uid                                     Matthew Ahrens <mahrens@freebsd.org>
uid                                     Matthew Ahrens <mahrens@delphix.com>
sub 2048R/1137F565976A0587 2014-04-08 [expires: 2017-04-07]
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-----BEGIN PGP PUBLIC KEY BLOCK-----  
Comment: GPGTools - <https://gpgtools.org>

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.5. Shaun Amott <shaun@FreeBSD.org>

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pub 1024D/6B387A9A 2001-03-19
Key fingerprint = B506 E6C7 74A1 CC11 9A23 5C13 9268 5D08 6B38 7A9A
uid Shaun Amott <shaun@inerd.com>
uid Shaun Amott <shaun@FreeBSD.org>
sub 2048g/26FA8703 2001-03-19
sub 2048R/7FFF5151 2005-11-06
sub 2048R/27C54137 2005-11-06
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### 3.6. Henrik Brix Andersen <brix@FreeBSD.org>

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pub 1024D/54E278F8 2003-04-09
    Key fingerprint = 7B63 EF32 7831 A704 220D 7E61 BFE4 387E 54E2 78F8
uid Henrik Brix Andersen <henrik@brixandersen.dk>
uid Henrik Brix Andersen <brix@FreeBSD.org>
uid Henrik Brix Andersen <hbn@terma.com>
uid Henrik Brix Andersen <brix@osaa.dk>
sub 1024g/3B13C209 2003-04-09
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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### 3.7. Matthias Andree <mandree@FreeBSD.org>

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      Key fingerprint = DC4A 655B D993 CD48 71FA 8210 E412 B156 EFF3 855A
uid   Matthias Andree <mandree@FreeBSD.org>
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### 3.8. Will Andrews <will@FreeBSD.org>

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pub 1024D/F81672C5 2000-05-22 Will Andrews (Key for official matters) <will@FreeBSD.org>
Key fingerprint = 661F BBF7 9F5D 3D02 C862 5F6C 178E E274 F816 72C5
uid Will Andrews <will@physics.purdue.edu>
uid Will Andrews <will@puck.firepipe.net>
uid Will Andrews <will@c-60.org>
uid Will Andrews <will@csociety.org>
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**3.9. Dimitry Andric <dim@FreeBSD.org>**

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3.10. Eric Anholt <anholt@FreeBSD.org>

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ar9wFJX3b5DFkVICUYXTKTx/0/VqcpGHH7tLIInuiPYRap0BRUw1LU87qLwADBQP+
KbuF41ujgb7QfPX5x5Cdg9D9SZAQyxu5TbsSXmc4fue10QFMdWyMEUW2rMLixYn
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EombHRHe9B0t4pfouuLVKXGzXg3NW6nXXNQVEeOyqFaIRgQYEQIABGUCP10VAQAK
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B8LnmWvWUn8=
=2V8B
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.11. Fernando Apestegua <fernape@FreeBSD.org>

```
pub   rsa2048/A86C56C1E0B91836 2018-03-09 [SC] [caduca: 2021-03-08]
      Huella de clave = E9B3 DA45 2DF9 EE65 35CD E383 A86C 56C1 E0B9 1836
uid   Fernando Apestegua <fernando.apestegua@gmail.com>
uid   Fernando Apestegua <fernape@FreeBSD.org>
sub   rsa2048/D6A9B96A0E696E0E 2018-03-09 [E] [caduca: 2021-03-08]
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=noRE
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.12. Marcus von Appen <[mva@FreeBSD.org](mailto:mva@FreeBSD.org)>

```
pub 1024D/B267A647 2009-02-14
    Key fingerprint = C7CC 1853 D8C5 E580 7795 B654 8BAF 3F12 B267 A647
uid          Marcus von Appen <freebsd@sysfault.org>
uid          Marcus von Appen <mva@freebsd.org>
sub 2048g/D34A3BAF 2009-02-14
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
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H2ZrDwlvXiohQ9/+vbKVlu0cJr5+egSGNTCNUimh9Kp4LYMclvNouQe1D9fsCXW
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.13. Marcelo Araujo <[araujo@FreeBSD.org](mailto:araujo@FreeBSD.org)>

```
pub 1024D/53E4CFA8 2007-04-27
    Key fingerprint = 9D6A 2339 925C 4F61 ED88 ED8B A2FC 4977 53E4 CFA8
uid          Marcelo Araujo (Ports Committer) <araujo@FreeBSD.org>
sub 2048g/63CC012D 2007-04-27
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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```



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4yUI71cv7NE0eXLvU3bdS5wwwlEK3obIJZfhzefmUncPQ+pEVdbtoGT2ehosqe4K
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pAWBAJwI/yul4wCtXeyIhg0vYCrExTL5Wg==
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.14. Mathieu Arnold <mat@FreeBSD.org>

```
pub   rsa4096/3A4516F35183CE48 2013-09-23 [SC] [expires: 2020-09-19]
      Key fingerprint = 3AB6 9789 D2ED 1210 6440 BA5B 3A45 16F3 5183 CE48
uid   Mathieu Arnold <mat@FreeBSD.org>
uid   Mathieu Arnold <mat@mat.cc>
uid   Mathieu Arnold <m@absolight.fr>
uid   Mathieu Arnold <m@w2my.net>
uid   Mathieu Arnold <mat@coopacomp.fr>
sub   rsa4096/A99F9AA711E3DFC9 2013-09-23 [E] [expires: 2020-09-19]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.15. Takuya ASADA <syuu@FreeBSD.org>

```
pub 2048R/43788F78 2012-11-21
Key fingerprint = 31CE 242E 6F4F F24F EEF4 D9BB 0890 2C5F 4378 8F78
uid Takuya ASADA <syuu@freebsd.org>
sub 2048R/A87B0906 2012-11-21
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### 3.16. Satoshi Asami <asami@FreeBSD.org>

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pub 1024R/1E08D889 1997-07-23 Satoshi Asami <asami@cs.berkeley.edu>
Key fingerprint = EB 3C 68 9E FB 6C EB 3F DB 2E 0F 10 8F CE 79 CA
uid Satoshi Asami <asami@FreeBSD.ORG>
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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### 3.17. Gavin Atkinson <[gavin@FreeBSD.org](mailto:gavin@FreeBSD.org)>

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pub  rsa4096/4DA114E5C4A2E57F 2013-09-25 [SC] [expires: 2019-06-24]
      Key fingerprint = A12B D878 2A5E A90F D37C 43BC 4DA1 14E5 C4A2 E57F
uid   Gavin Atkinson (Work email) <gavin.atkinson@york.ac.uk>
uid   Gavin Atkinson (Work email - deprecated) <ga9@york.ac.uk>
uid   Gavin Atkinson (URY email) <gavin.atkinson@ury.york.ac.uk>
uid   Gavin Atkinson (FreeBSD key) <gavin@FreeBSD.org>
sub  rsa4096/443BBD9486DFCC25 2013-09-25 [E] [expires: 2019-06-24]

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### 3.18. Joseph S. Atkinson <[jja@FreeBSD.org](mailto:jja@FreeBSD.org)>

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pub 2048R/21AA7B06 2010-07-14
Key fingerprint = 5B38 63B0 9CCA 12BE 3919 9412 CC9D FC84 21AA 7B06
uid Joseph S. Atkinson <jja@FreeBSD.org>
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### 3.19. Philippe Audeoud <jadawin@FreeBSD.org>

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uid Philippe Audeoud <jadawin@tuxaco.net>
uid Philippe Audeoud (Main ID) <philippe@tuxaco.net>
uid Philippe Audeoud (FreeBSD) <jadawin@FreeBSD.org>
sub 4096R/BC29A282B624266C 2014-05-27 [expires: 2016-05-26]
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### 3.20. Jason W. Bacon <jwb@FreeBSD.org>

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pub  rsa2048/7F9CE8B2CC3657CA 2017-03-06 [SC] [expires: 2020-03-05]
      Key fingerprint = 23BB 95C5 33EA 3D5E 995A 67B7 7F9C E8B2 CC36 57CA
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### 3.22. Danilo G. Baio <[dbaio@FreeBSD.org](mailto:dbaio@FreeBSD.org)>

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pub 4096R/9A937B2DF32E88D7 2017-02-02 [expires: 2022-02-04]
Key fingerprint = 3918 F451 3B23 CC2C BE7A 7224 9A93 7B2D F32E 88D7
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### 3.23. Timur I. Bakeyev <timur@FreeBSD.org>

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pub      1024D/60BA1F47 2002-04-27
Key fingerprint = 84BF EAD1 607D 362F 210E 69B3 0BF0 6412 60BA 1F47
uid      Timur I. Bakeyev (BaT) <timur@bat.ru>
uid      Timur I. Bakeyev <timur@gnu.org>
uid      Timur I. Bakeyev (BaT) <bat@cpan.org>
uid      Timur I. Bakeyev (BaT) <timur@FreeBSD.org>
uid      Timur I. Bakeyev (BaT) <timur@gnome.org>
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### 3.24. John Baldwin <jhb@FreeBSD.org>

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pub dsa1024/72DE520677E37F04 2006-08-02
Key fingerprint = 9E54 9A1D DA2E 0F0B F3FA 713D 72DE 5206 77E3 7F04
uid John Baldwin <john@baldwin.cx>
uid John Baldwin <jhb@FreeBSD.org>
sub e1g2048/07EEC9ABEB4C6ADF 2006-08-02
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### 3.25. Glen Barber <gjb@FreeBSD.org>

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pub rsa2048/524F0C37A0B946A3 2010-08-03 [SC] [expires: 2021-10-22]
Key fingerprint = 78B3 42BA 26C7 B2AC 681E A7BE 524F 0C37 A0B9 46A3
uid                               Glen Barber <gjb@FreeBSD.org>
uid                               Glen Barber <glen.j.barber@gmail.com>
uid                               Glen Barber <gjb@glenbarber.us>
uid                               Glen Barber <gjb@keybase.io>
sub rsa2048/EA524D216C0527E5 2010-08-03 [E] [expires: 2021-10-22]
sub rsa4096/B96CDDEAAF8B5ED0 2013-09-23 [S] [expires: 2021-10-22]
sub rsa4096/D69CAA1C932929D7 2013-09-23 [E] [expires: 2021-10-22]
sub rsa4096/031458A5478FE293 2014-09-26 [S] [expires: 2021-10-22]
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### 3.26. Nick Barkas <[snb@FreeBSD.org](mailto:snb@FreeBSD.org)>

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=zoiI
-----END PGP PUBLIC KEY BLOCK-----
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### 3.27. Simon Barner <barner@FreeBSD.org>

```
pub 1024D/EBADA82A 2000-11-10
    Key fingerprint = 67D1 3562 9A2F 3177 E46A 35ED 0A49 FEFD EBAD A82A
uid                               Simon Barner <barner@FreeBSD.org>
uid                               Simon Barner <barner@in.tum.de>
uid                               Simon Barner <barner@informatik.tu-muenchen.de>
uid                               Simon Barner <barner@gmx.de>
sub 2048g/F63052DE 2000-11-10
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### 3.28. Loïc Bartoletti <lbartoletti@FreeBSD.org>

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    Key fingerprint = AEFB A259 B799 15D4 6594 151F 8F4C 59E3 CD86 7513
uid                               Loïc Bartoletti (Tuxfamily) <lbartoletti@tuxfamily.org>
uid                               Loïc Bartoletti (FreeBSD) <lbartoletti@FreeBSD.org>
sub rsa4096/589D7CED318EB7C4 2020-01-07 [E] [expires: 2023-01-06]
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### 3.29. Jan Beich <jbeich@FreeBSD.org>

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pub 2048R/E4C77883479DBDDDB 2015-01-05 [expires: 2018-01-04]
    Key fingerprint = DB44 3674 C7D2 3578 6E14 92CE E4C7 7883 479D BDDB
uid                               Jan Beich <jbeich@FreeBSD.org>
uid                               Jan Beich <jbeich@vemail.net>
sub 2048R/4E6607EF660A8DEC 2015-01-05 [expires: 2018-01-04]
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### 3.30. Artem Belevich <art@FreeBSD.org>

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pub 2048R/9ED4C836 2011-03-28
    Key fingerprint = 7400 D541 07ED 3DF3 3E97 F2D5 8BDF 101C 9ED4 C836
uid                               Artem Belevich <artemb@gmail.com>
uid                               Artem Belevich <art@freebsd.org>
sub 2048R/55B0E4EB 2011-03-28
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.31. Anton Berezin <tobez@FreeBSD.org>

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pub 1024D/7A7BA3C0 2000-05-25 Anton Berezin <tobez@catpipe.net>
Key fingerprint = CDD8 560C 174B D8E5 0323 83CE 22CA 584C 7A7B A3C0
uid Anton Berezin <tobez@tobez.org>
uid Anton Berezin <tobez@FreeBSD.org>
sub 1024g/ADC71E87 2000-05-25

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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.32. Damien Bergamini <damien@FreeBSD.org>

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pub 2048R/D129F093 2005-03-02
Key fingerprint = D3AB 28C3 1A4A E219 3145 54FE 220A 7486 D129 F093
uid Damien Bergamini <damien.bergamini@free.fr>
uid Damien Bergamini <damien@FreeBSD.org>
sub 2048R/9FBA73A4 2005-03-02
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### 3.33. Brandon Bergren <bdragon@FreeBSD.org>

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pub   rsa4096/11E60EE48F0EDA29 2019-06-01 [C] [expires: 2022-05-31]
      Key fingerprint = 7470 A88B 991D 5FBC 30AC A85F 11E6 0EE4 8F0E DA29
uid   [email] Brandon Bergren <bdragon@FreeBSD.org>
sub   rsa4096/55CDF81FA3E38DA4 2019-06-01 [E] [expires: 2021-05-31]
sub   rsa4096/130DB795E837ED35 2019-06-01 [S] [expires: 2021-05-31]
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### 3.34. Tobias C. Berner <tcberner@FreeBSD.org>

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+Y5k4K48WILKMNfy+6AZvAyglaJKV7WdS2pxSfMbnWviQzzz6xtIE0nZz5Zk0h59  
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QvyG1PRbyjmYnPu3uu/L7kY5bltuVVH2XCn6h8QTvAJVIsrccw451k2V0wRAnuJb  
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G73RH73A7NVlpaYALZzwa5Ks0EFaw5ZBVmPsfP3LxjebyzuZ9ZfQ9ARRr81Y52dB2  
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JD3IIPjjeanDL9MM2aKrU978W8jRprUNnNQARAQABiQILBBgBCgAPAhSMBQJbfs7d  
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hK7Mxoj0
=hi09
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.36. Grzegorz Blach <gblach@FreeBSD.org>

```
pub  rsa2048/522D783808809986 2015-10-11 [expires: 2018-10-10]
    Key fingerprint = 3177 46ED D8A4 1544 E2E2 4420 522D 7838 0880 9986
uid  Grzegorz Blach <gblach@FreeBSD.org>
uid  Grzegorz Blach <grzegorz@blach.pl>
sub  rsa2048/248FCA5269C6306A 2015-10-11 [expires: 2018-10-10]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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MoiwenopG+D7/NK6WJtAR0j2ZblsvZnQ+byUQuHeqnZN/0zUYC4r3Jw/QHi6wRbE
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xSme//UM4F8yySEKjLN3CxsjLhXfMdkhBQM5ABEBAAG0IkdyemVnb3J6IEJyYWNo
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BwIGFQgJCgsCBBYCAwECHgECF4AAACGkQUi140AiAmYUcWf/Zz1g7L53BYr4MkB2
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.37. Martin Blapp <mbr@FreeBSD.org>



```
pub 1024D/D300551E 2001-12-20 Martin Blapp <mb@imp.ch>
    Key fingerprint = B434 53FC C87C FE7B 0A18 B84C 8686 EF22 D300 551E
sub 1024g/998281C8 2001-12-20
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
```

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KBapUXgnKhesQzKLH2wWCJKd/3njAzJsFS7nDdTssMtd7ip9W97uN0FLuJ1/Sg5S
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Dy5y4XE1ClIyZ0yVw05UJiT0Z7Mu/kUTBBzQ2i15LxjzXBt9pNifvtcKBhcDmdzQ
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25TD51pcom8Plwy1BkuBSw==
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.38. Warren Block <wblock@FreeBSD.org>

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pub rsa2048/BB37E0C846CB85CF 2014-03-13 [SC] [expires: 2018-03-04]
    Key fingerprint = EC53 662F FEFE D6F4 2DBA B483 BB37 E0C8 46CB 85CF
uid                               Warren Block <wblock@wonkity.com>
uid                               Warren Block <wblock@FreeBSD.org>
sub  rsa2048/D79E292E145902B5 2014-03-13 [E] [expires: 2018-03-04]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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=73kN
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.39. Vitaly Bogdanov <bvs@FreeBSD.org>

```

pub 1024D/B32017F7 2005-10-02 Vitaly Bogdanov <gad@gad.glazov.net>
    Key fingerprint = 402E B8E4 53CB 22FF BE62 AE35 A0BF B077 B320 17F7
uid          Vitaly Bogdanov <bvs@freebsd.org>
sub 1024g/0E88C62E 2005-10-02

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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00TbjMa/3ZCHAAMFA/90ffxCzJmwUjC0xAg2GBberPxovtCtwAw7goKZzuga9+9Q
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.40. Zbigniew Bodek <zbb@FreeBSD.org>

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pub 2048R/C32C9921 2013-09-04 [expires: 2018-09-03]
    Key fingerprint = B3EF DAFC C938 03EE 7B1B 5748 0EBE 8E50 C32C 9921
uid          Zbigniew Bodek <zbb@FreeBSD.org>
sub 2048R/62B40108 2013-09-04 [expires: 2018-09-03]

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.41. Roman Bogorodskiy <novel@FreeBSD.org>

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pub 2048R/08C2226A 2010-12-03
Key fingerprint = 8BA4 DF2A D14F 99B6 37E0 0070 C96D 5FFE 08C2 226A
uid Roman Bogorodskiy <bogorodskiy@gmail.com>
uid Roman Bogorodskiy <novel@FreeBSD.org>
uid Roman Bogorodskiy <rbogorodskiy@apache.org>
uid Roman Bogorodskiy <rbogorodskiy@griddynamics.com>
sub 2048R/EC4ED237 2010-12-03
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.42. Renato Botelho <[garga@FreeBSD.org](mailto:garga@FreeBSD.org)>

```

pub   rsa2048/5B9E04C3966B861A 2017-10-31 [SC] [expires: 2020-10-30]
      Key fingerprint = C718 8B34 CAAC 9FBC 9799 3CBB 5B9E 04C3 966B 861A
uid   Renato Botelho (FreeBSD) <garga@FreeBSD.org>
uid   Renato Botelho (pfSense) <garga@pfsense.org>
uid   Renato Botelho (Personal) <rbgarga@gmail.com>
uid   Renato Botelho (FreeBSD) <garga.bsd@gmail.com>
sub   rsa2048/C6536261FD462298 2017-10-31 [E] [expires: 2020-10-30]

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=6Q5X
-----END PGP PUBLIC KEY BLOCK-----
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### 3.43. Kevin Bowling <[kbowling@FreeBSD.org](mailto:kbowling@FreeBSD.org)>

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pub  rsa2048/CC8E1451796210B8 2014-07-09 [SC] [expires: 2024-08-27]
      Key fingerprint = 12EC 6F2E D4BE 01F7 42CE 67E3 CC8E 1451 7962 10B8
uid   Kevin Bowling <kbowling@FreeBSD.org>
uid   Kevin Bowling <kevin.bowling@kev009.com>
sub  rsa2048/BADD4390F9BF00EF 2014-07-09 [E] [expires: 2024-08-27]
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.44. Alexander Botero-Lowry <[alexbl@FreeBSD.org](mailto:alexbl@FreeBSD.org)>

```

pub 1024D/12A95A7B 2006-09-13
Key fingerprint = D0C3 47F8 AE87 C829 0613 3586 24DF F52B 12A9 5A7B
uid Alexander Botero-Lowry <alexbl@FreeBSD.org>
sub 2048g/CA287923 2006-09-13

```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.45. Sofian Brabez <[sbz@FreeBSD.org](mailto:sbz@FreeBSD.org)>

```

pub 1024D/2487E57E 2011-03-15 [expires: 2016-03-14]
Key fingerprint = 05BA DC7E F628 DE3F B241 BFBB 7363 51F4 2487 E57E
uid Sofian Brabez <sbrabez@gmail.com>
uid Sofian Brabez <sbz@FreeBSD.org>
uid Sofian Brabez <sbz@6dev.net>

```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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=4ffD
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.46. Edson Brandi <[ebrandi@FreeBSD.org](mailto:ebrandi@FreeBSD.org)>

```
pub 3072R/FFD3035B 2012-11-26 [expires: 2017-11-25]
Key fingerprint = 443B 5363 564F 06C3 EA54 9482 209E 9B54 FFD3 035B
uid Edson Brandi <ebrandi@FreeBSD.org>
uid Edson Brandi <ebrandi@fugspbr.org>
uid Edson Brandi <ebrandi@ebrandi.eti.br>
uid Edson Brandi <edson.brandi@gmail.com>
uid Edson Brandi <ebrandi@primeiros passos.org>
uid Edson Brandi <ebrandi@gmail.com>
uid Edson Brandi <ebrandi@fug.com.br>
uid Edson Brandi <contato@edsonbrandi.com>
uid Edson Brandi (Born 1977-08-14 in S. S. DA GRAMA, SP - Brazil)
sub 3072R/A34B8175 2012-11-26 [expires: 2013-11-26]
sub 3072R/4EB0E0EA 2012-11-26 [expires: 2013-11-26]
sub 3072R/89917E73 2012-11-26 [expires: 2013-11-26]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.47. David Bright <dab@FreeBSD.org>

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WZ00qj0rYXwXu0fgzprEmJFS01GByFuB4xDyqfAoynxKNBJH/qAcJTp7jST8PLWe
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GwWFCQWjmoAACGkQM3jLmaEDvmp8hQgAzKTYmU2cf35NdrT9C7jBDWSVSDdyKHY
SAKoP+vAkC3A1HH6wohE5Jv0Z6245vgBQwFHVzh2v7jDUWmB3CrcSSMu0Uw15m
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+zKr4yK0c0e4kb7GuaAX3Pt82J7bMtwRzAKLyjMJVQueL/cr+geerKKrd8FyVAgQM
hdBYD3lyjK6nGssgr40g9+QtsE2RAVH9qqhcF3ki7nxJ7EDb/d3xag==
=b3va
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.48. Hartmut Brandt <harti@FreeBSD.org>

```
pub  1024D/5920099F 2003-01-29 Hartmut Brandt <brandt@fokus.fraunhofer.de>
     Key fingerprint = F60D 09A0 76B7 31EE 794B BB91 082F 291D 5920 099F
uid  Hartmut Brandt <harti@freebsd.org>
sub  1024g/21D30205 2003-01-29
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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Version: GnuPG v1.2.1 (FreeBSD)
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RN40kMZLbwV9Gaigk2DR6vvi8meARADt53x40js4W30/Pc/Aj8rsUcF2mRU/wiJC
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```



```
+Z5Ms8Qe3ekWYTy1gCfdVWLF2MrZNL/MY0gBhhex70gKzu0IkhcnRtdXQgQnJh
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=+h/9
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.49. Oliver Braun <[obraun@FreeBSD.org](mailto:obraun@FreeBSD.org)>

```
pub 1024D/EF25B1BA 2001-05-06 Oliver Braun <obraun@unsane.org>
Key fingerprint = 6A3B 042A 732E 17E4 B6E7 3EAF C0B1 6B7D EF25 B1BA
uid Oliver Braun <obraun@obraun.net>
uid Oliver Braun <obraun@freebsd.org>
uid Oliver Braun <obraun@haskell.org>
sub 1024g/09D28582 2001-05-06
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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=wrrS
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.50. Max Brazhnikov <[makc@FreeBSD.org](mailto:makc@FreeBSD.org)>

```
pub 1024D/ACB3CD12 2008-08-18
Key fingerprint = 4BAA 200E 720A 0BD1 7BB0 9DFD FBD9 08C2 ACB3 CD12
uid Max Brazhnikov <makc@FreeBSD.org>
uid Max Brazhnikov <makc@issp.ac.ru>
sub 1024g/5FAA4088 2008-08-18
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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=m+ns
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.51. Jonathan M. Bresler <jmb@FreeBSD.org>

```
pub 1024R/97E638DD 1996-06-05 Jonathan M. Bresler <jmb@Bresler.org>
Key fingerprint = 31 57 41 56 06 C1 40 13 C5 1C E3 E5 DC 62 0E FB
uid Jonathan M. Bresler <jmb@FreeBSD.ORG>
uid Jonathan M. Bresler
uid Jonathan M. Bresler <Jonathan.Bresler@USi.net>
uid Jonathan M. Bresler <jmb@Frb.GOV>
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.52. Antoine Brodin <[antoine@FreeBSD.org](mailto:antoine@FreeBSD.org)>

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pub 1024D/50CC2671 2008-02-03
    Key fingerprint = F3F7 72F0 9C4C 9E56 4BE9 44EA 1B80 31F3 50CC 2671
uid Antoine Brodin <antoine@FreeBSD.org>
sub 2048g/6F4AFBE5 2008-02-03
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### 3.53. Diane Bruce <[db@FreeBSD.org](mailto:db@FreeBSD.org)>

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pub 2048R/8E9CAA7B 2012-05-16
    Key fingerprint = 8B08 E022 705D 0083 64C4 5E60 5148 0C74 8E9C AA7B
uid Diane Bruce <db@db.net>
uid Diane Bruce <db@FreeBSD.org>
sub 2048R/932E5985 2012-05-16
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### 3.54. Christian Brueffer <brueffer@FreeBSD.org>

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pub 4096R/A2E0582D3A67DC36 2013-09-23 [expires: 2018-10-23]
Key fingerprint = 04D7 4375 648A B688 F821 57D2 A2E0 582D 3A67 DC36
uid Christian Brueffer <christian@brueffer.de>
uid Christian Brueffer <brueffer@FreeBSD.org>
uid Christian Brueffer <christian.brueffer@med.lu.se>
sub 4096R/78C8369847E16487 2013-09-23 [expires: 2018-10-23]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.55. Markus Brüffer <markus@FreeBSD.org>

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pub 1024D/78F8A8D4 2002-10-21
Key fingerprint = 3F9B EBE8 F290 E5CC 1447 8760 D48D 1072 78F8 A8D4
uid Markus Brueffer <markus@brueffer.de>
uid Markus Brueffer <buff@hitnet.rwth-aachen.de>
uid Markus Brueffer <mbrueffer@mi.rwth-aachen.de>
uid Markus Brueffer <markus@FreeBSD.org>
sub 4096g/B7E5C7B6 2002-10-21
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.56. Sean Bruno <[sbruno@FreeBSD.org](mailto:sbruno@FreeBSD.org)>

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pub   rsa2048/BDE4F5FE89B5FCB6 2017-06-12 [SC] [expires: 2020-06-11]
      Key fingerprint = E8C4 E9F8 8035 04E1 E3F4 BA34 BDE4 F5FE 89B5 FCB6
uid   Sean Bruno (FreeBSD Developer Key) <sbruno@freebsd.org>
sub   rsa2048/4113DB2707DB1D75 2017-06-12 [E] [expires: 2020-06-11]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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**3.57. Ruslan Bukin <br@FreeBSD.org>**

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pub 2048R/10F5E66E 2013-09-04
    Key fingerprint = 57DF DADB 15FE EF7A 14C9 1DF3 ABF4 AFE6 10F5 E66E
uid                               Ruslan Bukin <br@freebsd.org>
sub 2048R/A33057CA 2013-09-04
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-----END PGP PUBLIC KEY BLOCK-----
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**3.58. Oleg Bulyzhin <oleg@FreeBSD.org>**

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pub dsa1024/AF22DCEF78CE105F 2004-02-06 [SC] [expires: 2017-01-01]
    Key fingerprint = 98CC 3E66 26DE 50A8 DBC4 EB27 AF22 DCEF 78CE 105F
uid                               Oleg Bulyzhin <oleg@rinet.ru>
uid                               Oleg Bulyzhin <oleg@FreeBSD.org>
sub e1g1024/7644AEB2F747C159 2004-02-06 [E] [expires: 2017-01-01]

pub ed25519/A50DF9830DEFB187 2016-08-23 [SC] [expires: 2020-02-01]
    Key fingerprint = 54DC 8880 4B98 73C4 18C3 6926 A50D F983 0DEF B187
uid                               Oleg Bulyzhin <oleg@FreeBSD.org>
uid                               Oleg Bulyzhin <oleg@rinet.ru>
sub cv25519/ECDE4D1D477AC498 2016-08-23 [E] [expires: 2020-02-01]
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EcbuqLZTjYxxN5mxUYswtiNDmdWn+Ivmw46wT0L5Pu+B7W2KVl8mwwbAjwCgl9hA
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nhFg7Bca74t6vnn5Q4miLnDDy0PkZqMBD2nLUkcK/kMfe5uquDUwf/i6sFDwv7d6I
9Ag4tUWLkxhxAqaqomesfI2yS4o+QGTJgQdGU3IUr0nMJD7Ascwj7304lYuqYcaqT
KQHSA/9eTg26Ihn9uBpGit+slgkmTHmKgAbg7IaSHSEYRbpmc0Je794zeWns/oI
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```



```
uUGrKbGmXQ0oXDj j qV4anvC2QI5pEjvMbHJ+Xyq5xQN73ttJxrQdT2xLZyBCdWx5
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V72yiwUJGESqWAAKCRcVItzveM4QX/INAJ9b9z2Jxw8k/s2ygdhMIgcbyQRavgCg
isUjNoVWDqoyuoLW1/P02TYTYd25AQ0EQC0cNxAEAIUR6Uj/bLAu0/FSGDSCXfju
ThVT1lh1rCLQkbBwTxNiWHPHHSQRa654aoYbQdi9x6M7fzE6Uzmdj1Gs/UBYZhhs
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YxbT9IRtrLAKyUVdsrctAJ9jDDhAK7f0V0rmHY4tcot66gjZYJgzBFe8Fu0WCSsG
AQQB2kCPAQEHQEAbkRx2+FxeKjL+yWwTxqvbMfFa5Gkpm0Ew2vd9uF90tCBPbGvN
IEJ1bHl6aGluIDxvbgVnQEZYZVWCU0ub3JnPoiCBBMWCAAQhSdAh4BAheAAhkB
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fwQTFggAJwIbAwULCQgHAgYVCAkKcWIEFgIDAQIEAQIXgAUCV720cQUJbniolAAK
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AQUBAQdAwtt+fqoayY5SKPrLEARZrZCK2440yc0v60R0eY3EVwcDAQgHiGcEGBYI
AA8CgwwFALe9tGQFCQZ4qJUACgkQpQ35gw3vsYc6BQD+I3HUvDK052aM9/EYSc09
ZHFwtr4Z/7Sc8uxdYAdBqeQBANVXFpRCp80ItsIe6nH7e8Z/QY04UMCbwSIXMCxK
gLoH
=knjF
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.59. Michael Bushkov <bushman@FreeBSD.org>

```
pub 1024D/F694C6E4 2007-03-11 [expires: 2008-03-10]
Key fingerprint = 4278 4392 BF6B 2864 C48E 0FA9 7216 C73C F694 C6E4
uid Michael Bushkov <bushman@rsu.ru>
uid Michael Bushkov <bushman@freebsd.org>
sub 2048g/5A783997 2007-03-11 [expires: 2008-03-10]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----

mQGibEXzleYRBADiqlbqBfzstvMByOY3QlvQD9QIGQLwZbziOMByQPwgzgfBFk6x
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CD6K07GMTCBb102m2x97G+rNjGS8n7Uf7ITgoj9QtxBjpAC3K1ZcPoAcjwCgobcT
q5MURcQpHRnlZ87BnbT/3m0D/15hcV+qndPCShIqFTYbTSG18X7LBNTONZXmCm04
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Hea3vgvdlje7eq3Dz7Hx9uFgn8pfw2wWLEgdkuYk72s3LSJN6+TGWzXuWnRYYJ1
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JlxN0+paX0gW06xkLmwSESerJVbxEIOejdkdxebqPEIQN+9Se6Q2tkefMMw93IwL
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4T0ABgsJCAcDAGQVAggDBBYCAwECHgECF4AAcGkQchbHPPaUxuSKCQCEAI0x9JT
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Iy9UW5BUBEyAoI22XNE30HvBdsMuyUvVji8yKt4auQINBEXzlgAQCADnAwWYquUZ
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```



```
C5EQWvi35HKNdXmQ4ws0MG68DCTE3X0ABa5yPY7TiE8EGBECAA8FAKXzlgACGwwF
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4L8/nn1Nbu+PBNHamCHI
=zD+p
-----END PGP PUBLIC KEY BLOCK-----
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### 3.60. Adrian Chadd <[adrian@FreeBSD.org](mailto:adrian@FreeBSD.org)>

```
pub  rsa2048/7CA5E05D69F3D0F3 2015-04-25 [expires: 2018-04-24]
      Key fingerprint = B4E0 4958 1F1C 5DA4 1634 BA5B 7CA5 E05D 69F3 D0F3
uid  Adrian Chadd <adrian@freebsd.org>
sub  rsa2048/2C3793946FA31D6C 2015-04-25 [expires: 2018-04-24]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

```
mQENBFU63IYBCADyY7txJ6kTExpEfgc9g9VehBaNLojp0VlAyrM6Sx62j0agMMJA
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YWRyaWFuQGZyZWvic2Qub3JnPokBPQTAQgAJwUCVTrchgIbAwUJJBa0agAULCQgH
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=rZpW
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.61. Julien Charbon <[jch@FreeBSD.org](mailto:jch@FreeBSD.org)>

```
pub  rsa2048/AB3752822AC74E10 2017-01-17 [expires: 2020-01-17]
      Key fingerprint = CCC2 3277 F6A7 4D42 56B3 C6C3 AB37 5282 2AC7 4E10
uid  Julien Charbon <julien.charbon@gmail.com>
sub  rsa2048/868BBF653D573377 2017-01-17 [expires: 2020-01-17]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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7MCsCzSAVVZR9DQop54KpOw/9kwcCruk+1tdgp35lCs18KTyq0UQBLPA0a+stvLP
eDgn82GI5YFdrZStRR6VvCGF2zVI6HKMEfr8ZcAaiUnH5gpoiFehoLJJFHdhm8ua
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IDxqdWxpZw4uY2hhcmJvbkbNbnWFpbC5jb20+iQE8BBMBCgAnBQJYffBtAhsDBQKF
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```

```
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ByfAp57w4b+EqEKNeni0ckGp8Gkufm5yPA3LiD+ZxGGTgrQmz7tNwQxxTxpxnsIt
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Lkk=
=32sj
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.62. Jayachandran C. <[jchandra@FreeBSD.org](mailto:jchandra@FreeBSD.org)>

```
pub 1024D/3316E465 2010-05-19
Key fingerprint = 320B DB08 4FE3 BCFD 60AF E4DB F486 015F 3316 E465
uid Jayachandran C. <jchandra@freebsd.org>
sub 2048g/1F7755F9 2010-05-19
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----

mQGibEv0X0gRBAC9mFTzSKBVumLXJwWdkt7HvSRKo64Zs7B0/tYzt4dWVizWwUC/
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z726A/0dPVvHy0dart8LHKfou07u8y5/950UVITjGLQJ3RGvQV7aPejgpJQLQqR
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CQgHAwIEFQIIAwQgMBAh4BAheAAAoJEPsGAV8zFuRlnKEAoKcsMnIQFgek8hH0
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R8WE55iMdmFsu/Rkv5P3IPNzaIjcvY19iJ0uxfedTiKDPp9j1QWwU0ShrAHXa/Cra
JvcNo4Iu3VeLkpaFW5zBvIbfQCa8LfrWfLPSEM+tCk9nH5zXSvfw6dDwvN66oo1j
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oA5JjxumuE274w==
=kEVt
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.63. Jesus R. Camou <[jcamou@FreeBSD.org](mailto:jcamou@FreeBSD.org)>

```
pub 1024D/C2161947 2005-03-01
Key fingerprint = 274C B265 48EC 42AE A2CA 47D9 7D98 588A C216 1947
uid Jesus R. Camou <jcamou@FreeBSD.org>
```

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sub 2048g/F8D2A8DF 2005-03-01
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-----BEGIN PGP PUBLIC KEY BLOCK-----  
  
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uS1rg+TpKkiRnkXXtpVF9k0D/3/OADlTo77GAWMXl6HBTab3BxB53Q4PozvGDter  
lWgKbx6uYvLq3ZPX1XBUapzJ3eoEfCsA++FeSzK+tue/ulbLiXmFhXSQWtXoRo5D  
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zHJ3NVF5H8LCi/6ck5ZeXCasAS3L99Q/1o4WwmlqDj/b4PBdf0efInLJkroiJCQ5  
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### 3.64. Alonso Cárdenas Márquez <acm@FreeBSD.org>

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pub rsa4096/82E1399C11E68208 2015-06-17 [caduca: 2018-06-16]  
Huella de clave = 9485 3AA6 4C32 6543 2C83 8201 82E1 399C 11E6 8208  
uid Alonso Cardenas Marquez <acm@FreeBSD.org>  
sub rsa4096/8DAA3CCE41FD26B2 2015-06-17 [caduca: 2018-06-16]
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### 3.65. Pietro Cerutti <gahr@FreeBSD.org>

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      Key fingerprint = 546D E77C FA14 CEA4 480A D7FA 4099 3B5A 4A8F 3F12
uid          Pietro Cerutti <gahr@gahr.ch>
uid          Pietro Cerutti <gahr@FreeBSD.org>
sub  rsa4096/628EAA09AA81154B 2018-09-13 [E] [expires: 2021-09-12]

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### 3.66. Dmitry Chagin <dchagin@FreeBSD.org>



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   Key fingerprint = 3F3F 8B87 CE09 9E10 3606 6ACA D2DD 936F 738E FCED
uid          Dmitry Chagin <dchagin@freebsd.org>
uid          Dmitry Chagin (dchagin key) <chagin.dmitry@gmail.com>
sub 2048g/6A3FDDF9 2009-02-27
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### 3.67. Hye-Shik Chang <perky@FreeBSD.org>

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pub 1024D/CFDB4BA4 1999-04-23 Hye-Shik Chang <perky@FreeBSD.org>
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uid          Hye-Shik Chang <hyeshik@gmail.com>
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### 3.68. Jonathan Chen <[jon@FreeBSD.org](mailto:jon@FreeBSD.org)>

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pub 1024D/2539468B 1999-10-11 Jonathan Chen <jon@spock.org>
    Key fingerprint = EE31 CDA1 A105 C8C9 5365 3DB5 C2FC 86AA 2539 468B
uid                               Jonathan Chen <jon@freebsd.org>
uid                               Jonathan Chen <chenj@rpi.edu>
uid                               Jonathan Chen <spock@acm.rpi.edu>
uid                               Jonathan Chen <jon@cs.rpi.edu>
sub 3072g/B81EF1DB 1999-10-11

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Comment: For info see <http://www.gnupg.org>

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### 3.69. Jonathan Anderson <[jonathan@FreeBSD.org](mailto:jonathan@FreeBSD.org)>

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uid Jonathan Anderson (MUN) <jonathan.anderson@mun.ca>
uid Jonathan Anderson (Cambridge) <jonathan.anderson@cl.cam.ac.uk>
uid Jonathan Anderson (FreeBSD) <jonathan@FreeBSD.org>
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### 3.70. Fukang Chen <loader@FreeBSD.org>

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-----END PGP PUBLIC KEY BLOCK-----
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**3.71. Luoqi Chen <luoqi@FreeBSD.org>**

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pub 1024D/2926F3BE 2002-02-22 Luoqi Chen <luoqi@FreeBSD.org>
    Key fingerprint = B470 A815 5917 D9F4 37F3 CE2A 4D75 3BD1 2926 F3BE
uid                               Luoqi Chen <luoqi@bricore.com>
uid                               Luoqi Chen <lchen@onetta.com>
sub 1024g/5446EB72 2002-02-22
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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-----END PGP PUBLIC KEY BLOCK-----
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**3.72. Andrey A. Chernov <ache@FreeBSD.org>**

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pub 2048R/A51C92FD0C8DF6CA 2014-08-09
    Key fingerprint = 36A5 CEDA 5878 AAC1 4888 79FA A51C 92FD 0C8D F6CA
uid                               Andrey Chernov <ache@FreeBSD.org>
sub 2048R/85902C6618402312 2014-08-09
    Key fingerprint = C8F1 E3F5 999F E916 FD0E AAE3 8590 2C66 1840 2312
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.73. Alexander V. Chernikov <melifaro@FreeBSD.org>

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pub 1024D/2675AB69 2008-02-17
Key fingerprint = 00D2 E063 2FB0 2990 C602 50FD C1C2 7889 2675 AB69
uid Alexander V. Chernikov <melifaro@yandex-team.ru>
uid Alexander V. Chernikov <melifaro@ipfw.ru>
uid Alexander V. Chernikov <melifaro@freebsd.org>
sub 4096g/BC64F40C 2008-02-17
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.74. Sean Chittenden <[seanc@FreeBSD.org](mailto:seanc@FreeBSD.org)>

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pub  rsa2048/D75366AADC79472D 2018-04-22 [SC] [expires: 2021-04-21]
      Key fingerprint = EF8C B8E1 2506 6786 0D47 4FF1 D753 66AA DC79 472D
uid  Sean Chittenden <seanc@chittenden.org>
uid  Sean Chittenden <seanc@FreeBSD.org>
sub  rsa2048/1F3FC65702B2794E 2018-04-22 [E] [expires: 2021-04-21]

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.75. Junho CHOI <[cjh@FreeBSD.org](mailto:cjh@FreeBSD.org)>

```

pub  1024D/E60260F5 2002-10-14 CHOI Junho (Work) <cjh@wdb.co.kr>
      Key fingerprint = 1369 7374 A45F F41A F3C0 07E3 4A01 C020 E602 60F5
uid  CHOI Junho (Personal) <cjh@kr.FreeBSD.org>
uid  CHOI Junho (FreeBSD) <cjh@FreeBSD.org>
sub  1024g/04A4FDD8 2002-10-14

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Version: GnuPG v1.2.0 (FreeBSD)

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.76. David Christensen <[davidch@FreeBSD.org](mailto:davidch@FreeBSD.org)>

```
pub 4096R/6EF8EA544E261A57 2013-10-04 [expires: 2018-10-03]
Key fingerprint = 6D3B 985F 2737 C936 F37D 93D6 6EF8 EA54 4E26 1A57
uid David Christensen (FreeBSD Committer Key) <davidch@freebsd.org>
sub 4096R/6B5D5DE299525D80 2013-10-04 [expires: 2018-10-03]
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.77. Jonathan Chu <milki@FreeBSD.org>

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pub 4096R/1DAACB3510D2041A 2013-12-16
Key fingerprint = 9F11 FB1D 917F CD6A 479D EA46 1DAA CB35 10D2 041A
uid Jonathan Chu (ports) <milki@FreeBSD.org>
sub 4096R/02DDC04CA046B32A 2013-12-16

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.78. Crist J. Clark <cjc@FreeBSD.org>

```
pub 1024D/FE886AD3 2002-01-25 Crist J. Clark <cjclark@jhu.edu>
Key fingerprint = F04E CCD7 3834 72C2 707F 0A8F 259F 8F4B FE88 6AD3
uid Crist J. Clark <cjclark@alum.mit.edu>
uid Crist J. Clark <cjc@freebsd.org>
sub 1024g/9B6BAB99 2002-01-25
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----
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**3.79. Joe Marcus Clarke <marcus@FreeBSD.org>**

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pub 1024D/FE14CF87 2002-03-04 Joe Marcus Clarke (FreeBSD committer address) <marcus@FreeBSD.org>
Key fingerprint = CC89 6407 73CC 0286 28E4 AFB9 6F68 8F8A FE14 CF87
uid Joe Marcus Clarke <marcus@marcuscom.com>
sub 1024g/B9ACE4D2 2002-03-04
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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**3.80. Nik Clayton <nik@FreeBSD.org>**

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pub 1024D/2C37E375 2000-11-09 Nik Clayton <nik@freebsd.org>
Key fingerprint = 15B8 3FFC DDB4 34B0 AA5F 94B7 93A8 0764 2C37 E375
uid Nik Clayton <nik@slashdot.org>
uid Nik Clayton <nik@crf-consulting.co.uk>
uid Nik Clayton <nik@ngo.org.uk>
uid Nik Clayton <nik@bsd.com>
sub 1024g/769E298A 2000-11-09
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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### 3.81. Benjamin Close <benjsc@FreeBSD.org>

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pub      1024D/4842B5B4 2002-04-10
         Key fingerprint = F00D C83D 5F7E 5561 DF91 B74D E602 CAA3 4842 B5B4
uid      Benjamin Simon Close <Benjamin.Close@clearchain.com>
uid      Benjamin Simon Close <benjsc@FreeBSD.org>
uid      Benjamin Simon Close <benjsc@clearchain.com>
sub      2048g/3FA8A57E 2002-04-10

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=/2rY
-----END PGP PUBLIC KEY BLOCK-----

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**3.82. Ngie Cooper** <[ngie@FreeBSD.org](mailto:ngie@FreeBSD.org)>

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pub  rsa4096/E4914D31978318DE 2018-12-24 [SC] [expires: 2023-12-24]
     Key fingerprint = B6FB 7137 A90E 9651 05DE 7997 E491 4D31 9783 18DE
uid  Enji Cooper <yaneurabeya@gmail.com>
sub  rsa4096/057B0DCA584EE2AC 2018-12-24 [E] [expires: 2023-12-24]
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**3.83. Tijl Coosemans** <[tijl@FreeBSD.org](mailto:tijl@FreeBSD.org)>

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     Key fingerprint = 48BB 4E9B 7C30 7589 A5C7 A255 1D51 8D7E 8660 210D
uid  T#307;l Coosemans <tijl@coosemans.org>
uid  T#307;l Coosemans <tijl@FreeBSD.org>
sub  rsa3072/CDCB89B73E6D5675 2019-09-23 [E] [expires: 2021-09-22]
     Key fingerprint = 09DF 4C09 3E52 711D 0E71 00D8 CDCB 89B7 3E6D 5675
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### 3.84. Raphael Kubo da Costa <rauko@FreeBSD.org>

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      Key fingerprint = 6911 54FE BA6E 6106 5789 7099 8DD0 7D21 18DC EED6
uid   Raphael Kubo da Costa (Personal key) <rauko@FreeBSD.org>
uid   Raphael Kubo da Costa (Personal Gmail account.) ☹
      <kubito@gmail.com>
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### 3.85. Dave Cottlehuber <dch@FreeBSD.org>

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### 3.86. Alan L. Cox <alc@FreeBSD.org>

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pub 2048R/33E2893B 2013-06-15
Key fingerprint = FC7C 93FD 2C2C ABA5 C1D1 3E74 8513 043C 33E2 893B
uid Alan Cox <alc@FreeBSD.org>
uid Alan Cox <alc@cs.rice.edu>
uid Alan Cox <alc@rice.edu>
sub 2048R/693757AA 2013-06-15
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### 3.87. Olivier Cochard-Labbé <[olivier@FreeBSD.org](mailto:olivier@FreeBSD.org)>

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pub  rsa4096/89A5246DC4C57722 2016-02-15
      Key fingerprint = 18D2 A78C 6BBA 0A5B 3A1A 4C7C 89A5 246D C4C5 7722
uid  olivier Cochard <olivier@cochard.me>
uid  olivier Cochard-Labbé <olivier@FreeBSD.org>
sub  rsa4096/BC44032DC2707BE0 2016-02-15
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### 3.88. Jeb Cramer <jeb@FreeBSD.org>

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pub  rsa2048/03D8AF11FB449837 2018-10-31 [SC] [expires: 2021-10-30]
      Key fingerprint = 62D9 4FED 18C9 7C1D 9680 421E 03D8 AF11 FB44 9837
uid  Jeb Cramer <jeb@freebsd.org>
sub  rsa2048/8C5C3115E84A7CD4 2018-10-31 [E] [expires: 2021-10-30]
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### 3.89. Rebecca Cran <[bcran@FreeBSD.org](mailto:bcran@FreeBSD.org)>

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pub  rsa4096/0D022B5311BE1020 2018-04-16 [SCA] [expires: 2023-04-15]
      Key fingerprint = 1FB9 7D9B 644D D3BD E346 2BE2 0D02 2B53 11BE 1020
uid   Rebecca Cran <rebecca@bluestop.org>
uid   Rebecca Cran <bcran@freebsd.org>
sub  rsa4096/09ABD7DF293B1BCA 2018-04-16 [E] [expires: 2023-04-15]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.90. Frederic Culot <culot@FreeBSD.org>

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pub 1024D/34876C5B 2006-08-26
    Key fingerprint = 50EE CE94 E43E BA85 CB67 262B B739 1A26 3487 6C5B
uid Frederic Culot <culot@FreeBSD.org>
uid Frederic Culot <frederic@culot.org>
sub 2048g/F1EF901F 2006-08-26
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-----END PGP PUBLIC KEY BLOCK-----
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**3.91. Aaron Dalton <aaron@FreeBSD.org>**

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pub 1024D/8811D2A4 2006-06-21 [expires: 2011-06-20]
    Key fingerprint = 8DE0 3CBB 3692 992F 53EF ACC7 BE56 0A4D 8811 D2A4
uid          Aaron Dalton <aaron@freebsd.org>
sub 2048g/304EE8E5 2006-06-21 [expires: 2011-06-20]
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**3.92. Alfredo Dal'Ava Junior <alfredo@FreeBSD.org>**

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pub rsa4096/72D464204FA02D14 2020-01-29 [SC] [expires: 2023-01-28]
    Key fingerprint = DA2D AFB9 96F2 9661 8141 0A04 72D4 6420 4FA0 2D14
uid          Alfredo Dal'Ava Junior <alfredo@freebsd.org>
sub rsa4096/DF8F858B2C0C8187 2020-01-29 [E] [expires: 2023-01-28]
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### 3.93. Baptiste Daroussin <bapt@FreeBSD.org>

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pub   rsa4096/63898BDCF1B73E5A 2015-12-03 [expires: 2025-12-06]
      Key fingerprint = 80E4 E3DE CB92 DAEA C65D 5537 6389 8BDC F1B7 3E5A
uid   Baptiste Daroussin <bapt@FreeBSD.org>
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### 3.94. Ceri Davies <ceri@FreeBSD.org>

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pub 1024D/34B7245F 2002-03-08
    Key fingerprint = 9C88 EB05 A908 1058 A4AE 9959 A1C7 DCC1 34B7 245F
uid          Ceri Davies <ceri@submonkey.net>
uid          Ceri Davies <ceri@FreeBSD.org>
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sub 1024g/0C482CBC 2002-03-08

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### 3.95. Brad Davis <brd@FreeBSD.org>

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Key fingerprint = 5DFD D1A6 BEEE A6D4 B3F5 4236 D362 3291 ED0A 754D  
uid Brad Davis <brd@FreeBSD.org>  
uid Brad Davis <so14k@so14k.com>  
sub 2048g/1F29D404 2005-05-14 [expires: 2020-05-10]
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### 3.96. Eric Davis <edavis@FreeBSD.org>

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pub 2048R/F52DF060EC5583DD 2013-10-09
Key fingerprint = F368 53A8 E3CB 7135 3140 2AE4 F52D F060 EC55 83DD
uid Eric Davis <edavis@insanum.com>
uid Eric Davis <edavis@FreeBSD.org>
uid Eric Davis <edavis@broadcom.com>
sub 2048R/156FF9FC786CB51C 2013-10-09
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**3.97. Paweł Jakub Dawidek <pjd@FreeBSD.org>**

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pub   rsa4096/0x954B852BB1285B75 2015-04-17 [expires: 2020-04-15]
      Key fingerprint = B1C5 F673 045B 6C7B AFFB 3A1D 954B 852B B128 5B75
uid   [ultimate] Paweł#322; Jakub Dawidek <pjd@FreeBSD.org>
uid   [ultimate] Paweł#322; Jakub Dawidek <pawel@dawidek.net>
uid   [ultimate] Paweł#322; Jakub Dawidek <p.dawidek@wheelsystems.com>
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.98. Alexey Degtyarev <[alexey@FreeBSD.org](mailto:alexey@FreeBSD.org)>

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pub 2048R/392CE63AA025BC4D 2013-11-08
Key fingerprint = B347 13EF BDDA 45FE EEB1 9110 392C E63A A025 BC4D
uid Alexey Degtyarev <alexey@freebsd.org>
sub 2048R/6D5FB75FB723C378 2013-11-08
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### 3.99. Brian S. Dean <bsd@FreeBSD.org>

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pub 1024D/723BDEE9 2002-01-23 Brian S. Dean <bsd@FreeBSD.org>
Key fingerprint = EF49 7ABE 47ED 91B3 FC3D 7EA5 4D90 2FF7 723B DEE9
sub 1024g/4B02F876 2002-01-23
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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IwCftGutfs+PGUY9JJoabnnfJhfIgNA=
=MFJO
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.100. Carl Delsey <carl@FreeBSD.org>

```
pub 4096R/FB3B5D38 2013-01-15
Key fingerprint = F0E5 3849 C6C3 668B 68A3 BCC7 6031 E963 FB3B 5D38
uid Carl Delsey <carl@FreeBSD.org>
sub 4096R/256F29D3 2013-01-15
```

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.101. Sergio Carlavilla Delgado <carlavilla@FreeBSD.org>

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pub  rsa2048/A5CBF1197F11F6DF 2019-05-25 [SC] [expires: 2022-05-24]
      Key fingerprint = 1A2E 31C0 27BC 5A60 5595 C2D8 A5CB F119 7F11 F6DF
uid          Sergio Carlavilla <carlavilla@FreeBSD.org>
sub  rsa2048/355B068E3B2B9218 2019-05-25 [E] [expires: 2022-05-24]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.102. Johannes M. Dieterich <jmd@FreeBSD.org>

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pub  rsa4096/E8B1804C3F8BF511 2017-01-24 [SC] [expires: 2020-01-24]
      Key fingerprint = B96F 12C4 F458 1899 43AE 2959 E8B1 804C 3F8B F511
uid  Johannes M Dieterich <jmd@freebsd.org>
sub  rsa4096/4F65FFA7F943254A 2017-01-24 [E] [expires: 2020-01-24]
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### 3.103. Vasil Dimov <vd@FreeBSD.org>

```

pub 1024D/F6C1A420 2004-12-08
     Key fingerprint = B1D5 04C6 26CC 0D20 9525 14B8 170E 923F F6C1 A420
uid          Vasil Dimov <vd@FreeBSD.org>
uid          Vasil Dimov <vd@datamax.bg>
sub 4096g/A0148C94 2004-12-08

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.104. Roman Divacky <[rdivacky@FreeBSD.org](mailto:rdivacky@FreeBSD.org)>

```
pub 1024D/3DC2044C 2006-11-15
    Key fingerprint = 6B61 25CA 49BC AAC5 21A9 FA7A 2D51 23E8 3DC2 044C
uid Roman Divacky <rdivacky@freebsd.org>
sub 2048g/39BDCE16 2006-11-15
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### 3.105. Alexey Dokuchaev <[danfe@FreeBSD.org](mailto:danfe@FreeBSD.org)>

```
pub 1024D/3C060B44 2004-08-23 Alexey Dokuchaev <danfe@FreeBSD.org>
    Key fingerprint = D970 08A4 922C 8D63 0C19 8D27 F421 76EE 3C06 0B44
sub 1024g/70BAE967 2004-08-23
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### 3.106. Dima Dorfman <dd@FreeBSD.org>

```

pub 1024D/69FAE582 2001-09-04
    Key fingerprint = B340 8338 7DA3 4D61 7632 098E 0730 055B 69FA E582
uid          Dima Dorfman <dima@trit.org>
uid          Dima Dorfman <dima@unixfreak.org>
uid          Dima Dorfman <dd@freebsd.org>
sub 2048g/65AF3B89 2003-08-19 [expires: 2005-08-18]
sub 2048g/8DB0CF2C 2005-05-29 [expires: 2007-05-29]

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.107. Bryan Drewery <[bdrewery@FreeBSD.org](mailto:bdrewery@FreeBSD.org)>

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pub  rsa2048/35D771BB6E4697CF 2013-10-24 [SC] [expires: 2020-11-08]
    Key fingerprint = F917 3CB2 C3AA EA7A 5C8A 1F09 35D7 71BB 6E46 97CF
uid  Bryan Drewery <bdrewery@FreeBSD.org>
uid  Bryan Drewery <bryan@shatow.net>
sub  rsa2048/FF5A7FF27D55A32D 2013-10-24 [E] [expires: 2020-11-08]
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### 3.108. Garance A Drosehn <gad@FreeBSD.org>

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pub 4096R/CBBBB1AECCAC052F 2015-04-25 [expires: 2020-06-19]
Key fingerprint = BF87 9EE6 2DBE 97B7 3039 1EF9 CBBB B1AE CCAC 052F
uid Garance Alistair Drosehn <drosehn@mac.com>
uid Garance Alistair Drosehn <drosehn@rpi.edu>
uid Garance Alistair Drosehn <gad@FreeBSD.org>
sub 4096R/77B88ECC2BF0AC18 2015-04-25 [expires: 2021-03-15]
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### 3.109. Olivier Duchateau <olivierd@FreeBSD.org>

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pub 2048R/22431859 2012-05-28 [expires: 2017-05-27]
Key fingerprint = C057 112A 4A27 B5F2 CD8F 6C9A FC5A 0167 2243 1859
uid Olivier Duchateau <duchateau.olivier@gmail.com>
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.110. Bruno Ducrot <bruno@FreeBSD.org>

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pub 1024D/7F463187 2000-12-29
Key fingerprint = 7B79 E1D6 F5A1 6614 792F D906 899B 4D28 7F46 3187
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```
uid          Ducrot Bruno (Poup Master) <ducrot@poupinou.org>
sub 1024g/40282874 2000-12-29
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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```
-----END PGP PUBLIC KEY BLOCK-----
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### 3.111. Alex Dupre <ale@FreeBSD.org>

```
pub 1024D/CE5F554D 1999-06-27 Alex Dupre <sysadmin@alexdupre.com>
Key fingerprint = DE23 02EA 5927 D5A9 D793 2BA2 8115 E9D8 CE5F 554D
uid          Alex Dupre <ale@FreeBSD.org>
uid          [jpeg image of size 5544]
uid          Alex Dupre <ICQ:5431856>
sub 2048g/FD5E2D21 1999-06-27
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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### 3.112. Rusmir Dusko <nemysis@FreeBSD.org>

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pub 4096R/4C93E3D2 2013-05-01
Key fingerprint = 6FEB 14C6 26D4 7E3A 57DE 487F B6B9 B8F6 4C93 E3D2
uid nemysis <nemysis@FreeBSD.org>
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### 3.113. Peter Edwards <[peadar@FreeBSD.org](mailto:peadar@FreeBSD.org)>

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pub 1024D/D80B4B3F 2004-03-01 Peter Edwards <peadar@FreeBSD.org>  
Key fingerprint = 7A8A 9756 903E BEF2 4D9E 3C94 EE52 52F7 D80B 4B3F  
uid Peter Edwards <pmedwards@eircom.net>
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=73v6  
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### 3.114. Daniel Eischen <[deischen@FreeBSD.org](mailto:deischen@FreeBSD.org)>

```
pub 4096R/7D15560B 2012-11-17  
Key fingerprint = 0039 2133 69CA 14D3 236A E331 361A 68B2 7D15 560B  
uid Daniel Eischen <deischen@FreeBSD.org>  
sub 4096R/A51F81F7 2012-11-17
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.115. Josef El-Rayes <josef@FreeBSD.org>

```

pub 2048R/A79DB53C 2004-01-04 Josef El-Rayes <josef@FreeBSD.org>
Key fingerprint = 58EB F5B7 2AB9 37FE 33C8 716B 59C5 22D9 A79D B53C
uid Josef El-Rayes <josef@daemon.li>

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.116. Lars Engels <lme@FreeBSD.org>

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pub 2048R/E54CB37D3A089D6D 2014-03-10 [expires: 2017-03-09]
Key fingerprint = 8F40 017E 4DF5 3125 7AFE 5149 E54C B37D 3A08 9D6D

```



```
uid Lars Martin Engels <lars@bsd-geek.de>
uid Lars Martin Engels <lars.engels@0x20.net>
uid Lars Martin Engels <lars@0x20.net>
uid Lars Martin Engels <lme@FreeBSD.org>
sub 2048R/5AB391DB0BA67DBB 2014-03-10 [expires: 2017-03-09]
Key fingerprint = C31C 8DAA 4A95 2507 F065 C42D 5AB3 91DB 0BA6 7DBB
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=YwTh
-----END PGP PUBLIC KEY BLOCK-----
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**3.117. Udo Erdelhoff <ue@FreeBSD.org>**

```
pub 1024R/E74FA871 1994-07-19 Udo Erdelhoff <uer@de.uu.net>
```

```

Key fingerprint = 8C B1 80 CA 2C 52 73 81 FB A7 B4 03 C5 32 C8 67
uid          Udo Erdelhoff <ue@nathan.ruhr.de>
uid          Udo Erdelhoff <ue@freebsd.org>
uid          Udo Erdelhoff <uerdelho@eu.uu.net>
uid          Udo Erdelhoff <uerdelho@uu.net>

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.118. Ruslan Ermilov <ru@FreeBSD.org>

```

pub 1024D/996E145E 2004-06-02 Ruslan Ermilov (FreeBSD) <ru@FreeBSD.org>
Key fingerprint = 274E D201 71ED 11F6 9CCB 0194 A917 E9CC 996E 145E
uid Ruslan Ermilov (FreeBSD Ukraine) <ru@FreeBSD.org.ua>
uid Ruslan Ermilov (IPNet) <ru@ip.net.ua>
sub 1024g/557E3390 2004-06-02 [expires: 2007-06-02]

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.119. Lukas Ertl <le@FreeBSD.org>

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pub 1024D/F10D06CB 2000-11-23 Lukas Ertl <le@FreeBSD.org>
Key fingerprint = 20CD C5B3 3A1D 974E 065A B524 5588 79A9 F10D 06CB

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uid          Lukas Ertl <a9404849@unet.univie.ac.at>
uid          Lukas Ertl <l.ertl@univie.ac.at>
uid          Lukas Ertl <le@univie.ac.at>
sub 1024g/5960CE8E 2000-11-23
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Version: GnuPG v1.2.5 (FreeBSD)
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.120. Stefan Eßer <[se@FreeBSD.org](mailto:se@FreeBSD.org)>

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pub   rsa2048/47EBB5EF5AFDF544 2015-06-05 [SC] [verfällt: 2022-08-31]
      Schl.-Fingerabdruck = A371 EA65 9C0B ECC8 2B71 5313 47EB B5EF 5AFD F544
uid   Stefan Eßer (FreeBSD) <se@freebsd.org>
sub   rsa2048/ACCC7EFAB7B32CCA 2015-06-05 [E] [verfällt: 2022-08-31]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.121. Kyle Evans <[kevans@FreeBSD.org](mailto:kevans@FreeBSD.org)>

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pub   ed25519/194EB41387470B7B 2018-06-16 [SC] [expires: 2021-06-15]
      Key fingerprint = FBFF 642E E0D3 745C 2C13 FE4C 194E B413 8747 0B7B
uid   Kyle Evans <admin@sineful.com>
uid   Kyle Evans <kevans@FreeBSD.org>
uid   Kyle Evans <kevans91@ksu.edu>
uid   Kyle Evans <self@kyle-evans.net>
uid   Kyle Evans <admin@digispan.org>
uid   Kyle Evans <admin@audeuro.com>
sub   cv25519/68D6006ED44CA043 2018-06-16 [E] [expires: 2021-06-15]
sub   rsa4096/1014FBA83ABB6996 2018-06-16 [S] [expires: 2021-06-15]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.122. Brendan Fabeny <bf@FreeBSD.org>

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pub 4096R/F136475C268CE725 2017-03-13 [expires: 2020-03-12]
Key fingerprint = 7C00 38F6 AC38 06FF DC23 49BC F136 475C 268C E725
uid Brendan Fabeny <bf@FreeBSD.org>
sub 4096R/F507B4059E04039E 2017-03-13 [expires: 2020-03-12]
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### 3.123. Sean Eric Fagan <sef@FreeBSD.org>

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pub  rsa2048/E2744B3B34F9D701 2018-04-04 [SC] [expires: 2021-04-04]
Key fingerprint = 0A76 EA12 84E0 E2E7 C99F D142 E274 4B3B 34F9 D701
uid  Sean Eric Fagan <sef@kithrup.com>
uid  Sean Fagan <sef@FreeBSD.ORG>
sub  rsa2048/507856105750495C 2018-04-04 [E] [expires: 2021-04-04]
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### 3.124. Guido Falsi <madpilot@FreeBSD.org>

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uid Guido Falsi <mad@madpilot.net>
uid Guido Falsi <guido@falsiborrelli.it>
uid Guido Falsi <madpilot@FreeBSD.org>
uid Guido Falsi <gfalsi@gfratio.it>
sub 4096R/CB95603DDCCDB1C8 2014-02-28

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### 3.125. Rong-En Fan <rafan@FreeBSD.org>

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pub 1024D/86FD8C68 2004-06-04
Key fingerprint = DC9E 5B4D 2DDA D5C7 B6F8 6E69 D78E 1091 86FD 8C68
uid Rong-En Fan <rafan@infor.org>
uid Rong-En Fan <rafan@csie.org>
uid Rong-En Fan <rafan@FreeBSD.org>
sub 2048g/42A8637E 2009-01-25 [expires: 2012-07-08]

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### 3.126. Dominic Fandrey <kami@FreeBSD.org>

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pub 2048R/6FF05D69A92A59DB 2014-09-18 [expires: 2017-09-17]
    Key fingerprint = 7D88 4610 FFBB BA86 F17B C037 6FF0 5D69 A92A 59DB
uid                               Dominic Fandrey <kami@freebsd.org>
sub 2048R/B4EC9D5FBC909F27 2014-09-18 [expires: 2017-09-17]
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**3.127. Stefan Farfeleder** <[stefanf@FreeBSD.org](mailto:stefanf@FreeBSD.org)>

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pub 1024D/8BEFD15F 2004-03-14 Stefan Farfeleder <stefanf@fafoe.narf.at>
    Key fingerprint = 4220 FE60 A4A1 A490 5213 27A6 319F 8B28 8BEF D15F
uid                                     Stefan Farfeleder <stefanf@complang.tuwien.ac.at>
uid                                     Stefan Farfeleder <stefanf@FreeBSD.org>
uid                                     Stefan Farfeleder <stefanf@ten15.org>
sub 2048g/418753E9 2004-03-14 [expires: 2007-03-14]
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-----END PGP PUBLIC KEY BLOCK-----
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**3.128. Babak Farrokhi** <[farrokhi@FreeBSD.org](mailto:farrokhi@FreeBSD.org)>

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    Key fingerprint = F081 5F88 61BF 2DEA F261 E9C1 6B26 7AD8 5D63 2E9A
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### 3.129. Chris D. Faulhaber <jedgar@FreeBSD.org>

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pub 1024D/FE817A50 2000-12-20 Chris D. Faulhaber <jedgar@FreeBSD.org>
Key fingerprint = A47D A838 9216 F921 A456 54FF 39B6 86E0 FE81 7A50
uid Chris D. Faulhaber <jedgar@fxp.org>
sub 2048g/93452698 2000-12-20
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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### 3.130. Matthias Fechner <mfechner@FreeBSD.org>

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pub rsa4096/B68B75DC9FD747E1 2018-03-04 [SC] [expires: 2023-03-03]
Key fingerprint = 6960 7AE2 60A9 F34E 183A DAAE B68B 75DC 9FD7 47E1
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uid Matthias Fechner <idefix@fechner.net>
uid Matthias Fechner <matthias@fechner.net>
uid Matthias Fechner <matthias.fechner@fmdata.net>
uid Matthias Fechner <mfechner@freebsd.org>
sub rsa4096/640EB84EEFCCE295 2018-03-04 [E] [expires: 2023-03-03]
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### 3.131. Mark Felder <feld@FreeBSD.org>

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pub   rsa4096/C293776A9FFC6D85 2018-12-21 [SC] [expires: 2022-12-21]
      Key fingerprint = 3B06 0178 660C 6BB0 A96F F010 C293 776A 9FFC 6D85
uid   Mark Felder <feld@FreeBSD.org>
uid   Mark Felder <feld@feld.me>
sub   rsa4096/397E8F99C5EEA440 2018-12-21 [E] [expires: 2022-12-21]
sub   rsa4096/1D62130F8816EBED 2018-12-21 [A]

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.132. Brian F. Feldman <green@FreeBSD.org>

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pub 1024D/41C13DE3 2000-01-11 Brian Fundakowski Feldman <green@FreeBSD.org>
Key fingerprint = 6A32 733A 1BF6 E07B 5B8D AE14 CC9D DCA2 41C1 3DE3
sub 1024g/A98B9FCC 2000-01-11 [expires: 2001-01-10]

pub 1024D/773905D6 2000-09-02 Brian Fundakowski Feldman <green@FreeBSD.org>
Key fingerprint = FE23 7481 91EA 5E58 45EA 6A01 B552 B043 7739 05D6
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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### 3.133. Mário Sérgio Fujikawa Ferreira <lioux@FreeBSD.org>

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pub 4096R/B43B673FDAE448D1 2014-02-13 [expires: 2019-02-12]
Key fingerprint = 0617 5DB3 8B1A C326 A542 3B3C B43B 673F DAE4 48D1
uid Mario Sergio Fujikawa Ferreira (lioux) <lioux@FreeBSD.org>
sub 4096R/D780173751E6FF87 2014-02-13 [expires: 2019-02-12]
sub 3072D/BB0B0361BC87D308 2014-02-13 [expires: 2015-02-13]
sub 4096g/C90A229CFE1F29B0 2014-02-13 [expires: 2015-02-13]
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### 3.134. Matthew Fleming <mdf@FreeBSD.org>

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pub 2048R/A783DAA2 2012-11-22 [expires: 2016-11-22]
Key fingerprint = 773F E069 BE98 CE96 4AC6 B8AB 1A1B 255E A783 DAA2
uid Matthew D Fleming <mdf356@gmail.com>
uid Matthew D Fleming <mdf@FreeBSD.org>
sub 2048R/4015B7AA 2012-11-22 [expires: 2016-11-22]
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### 3.135. Tony Finch <fanf@FreeBSD.org>

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pub 4096R/0x72F3EE0B78D9305F 2017-04-04
Key fingerprint = D9B6 599A 03AA 1D93 8DC5 A820 72F3 EE0B 78D9 305F
uid Tony Finch <dot@dotat.at>
uid Tony Finch <fanf@FreeBSD.org>
uid Tony Finch <fanf@apache.org>
uid Tony Finch <fanf2@cam.ac.uk>
uid Tony Finch <fanf@exim.org>
sub 4096R/0xE5C9200855317719 2017-04-04
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Version: GnuPG v1
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-----END PGP PUBLIC KEY BLOCK-----
```

**3.136. Marc Fonvieille** <[blackend@FreeBSD.org](mailto:blackend@FreeBSD.org)>

```
pub 1024D/4F8E74E8 2004-12-25 Marc Fonvieille <blackend@FreeBSD.org>
    Key fingerprint = 55D3 4883 4A04 828A A139 A5CF CD0F 51C0 4F8E 74E8
uid                                     Marc Fonvieille <marc@blackend.org>
uid                                     Marc Fonvieille <marc@freebsd-fr.org>
sub 1024g/37AD4E7D 2004-12-25
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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```

```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.137. Pete Fritchman <petef@FreeBSD.org>

```
pub 1024D/74B91CFD 2001-01-30 Pete Fritchman <petef@FreeBSD.org>
    Key fingerprint = 9A9F 8A13 DB0D 7777 8D8E 1CB2 C5C9 A08F 74B9 1CFD
uid                                     Pete Fritchman <petef@databits.net>
uid                                     Pete Fritchman <petef@csh.rit.edu>
sub 1024g/0C02AF0C 2001-01-30
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.138. Bernhard Fröhlich <decke@FreeBSD.org>

```

pub  rsa2048/4DD88C3F9F3B8333 2015-05-05 [SC] [expires: 2021-05-01]
      Key fingerprint = 3924 2DE3 BD34 BB70 529C 03D2 4DD8 8C3F 9F3B 8333
uid  Bernhard Froehlich <decke@FreeBSD.org>
uid  Bernhard Froehlich <decke@bluelife.at>
sub  rsa2048/623F4D906034D944 2015-05-05 [E] [expires: 2021-05-01]

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### 3.139. Landon Fuller <landonf@FreeBSD.org>

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pub  rsa2048/86CDBA86B7E31D02 2016-06-01 [SC] [expires: 2019-06-01]
      Key fingerprint = 9E26 9CB1 93F4 76EA 9A08 731C 86CD BA86 B7E3 1D02
uid  Landon Fuller <landonf@freebsd.org>
sub  rsa2048/203DA64DD0940730 2016-06-01 [E] [expires: 2019-06-01]
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### 3.140. Bill Fumerola <billf@FreeBSD.org>

```
pub  1024D/7F868268 2000-12-07 Bill Fumerola (FreeBSD Developer) <billf@FreeBSD.org>
      Key fingerprint = 5B2D 908E 4C2B F253 DAEB FC01 8436 B70B 7F86 8268
uid  Bill Fumerola (Security Yahoo) <fumerola@yahoo-inc.com>
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sub 1024g/43980DA9 2000-12-07
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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### 3.141. Stephen Gregoratto <[sg@FreeBSD.org](mailto:sg@FreeBSD.org)>

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pub rsa4096/A80C0F8E8BABEC8B 2017-12-29 [SC] [expires: 2021-09-13]
Key fingerprint = 3FC6 3D0E 2801 C348 1C44 2D34 A80C 0F8E 8BAB EC8B
uid Stephen Gregoratto (personal address) ✉
<personal@sgregoratto.me>
uid Stephen Gregoratto <s.gregoratto@gmail.com>
uid Stephen Gregoratto (Personal Email) ✉
<themanhimself@sgregoratto.me>
uid Stephen Gregoratto (University Email) <sg937@uowmail.edu.au>
au>
uid Stephen Gregoratto (Work Related EXCLUSIVE) ✉
<work@sgregoratto.me>
uid Stephen Gregoratto (Development/Patch EXCLUSIVE) ✉
<dev@sgregoratto.me>
uid Stephen Gregoratto (FreeBSD development) <sg@FreeBSD.org>
uid Stephen Gregoratto (FreeBSD development address) ✉
<sg@FreeBSD.org>
uid Stephen Gregoratto (Personal email address) ✉
<personal@sgregoratto.me>
sub rsa4096/4D16E9D038FEF300 2017-12-29 [E]
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.142. Stanislav Galabov <[sgalabov@FreeBSD.org](mailto:sgalabov@FreeBSD.org)>

```
pub  rsa2048/1B12C41F5CE3A080 2019-02-22 [SC] [expires: 2022-02-21]
      Key fingerprint = 4E61 0B06 E50C A279 744B 96CC 1B12 C41F 5CE3 A080
uid  Stanislav Galabov <sgalabov@freebsd.org>
sub  rsa2048/A59ED0D14C78A6FA 2019-02-22 [E] [expires: 2022-02-21]
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lswbEsQfX00ggAUCXHAIzAiBawUJBa0agAULCQgHAgYVCgkICwIEFgIDAQIEAQIX
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5ty/AuFMvYEA3EDcFpXsLHffwSzRQVY9jI1/4cQ0Zb9i5FuffiEtUQuHilMSeFQ
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.143. Richard Gallamore <ultima@FreeBSD.org>

```
pub  rsa2048/3BEAF71768A208CF 2017-06-08 [SC] [expires: 2020-06-07]
      Key fingerprint = CB46 EC64 5BA1 8F5F 7CAC BDA6 3BEA F717 68A2 08CF
uid  Richard Gallamore <ultima@FreeBSD.org>
sub  rsa2048/37CA856E4AA20523 2017-06-08 [E] [expires: 2020-06-07]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.144. Andriy Gapon <avg@FreeBSD.org>

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pub  rsa4096/77F26ED351CD728F 2017-09-12 [SCA] [expires: 2020-09-11]
      Key fingerprint = BE2C 43BB 9E04 275C 0E01 8EBE 77F2 6ED3 51CD 728F
uid  Andriy Gapon <avg@FreeBSD.org>
sub  rsa4096/51453CBCCAAAF8DD 2017-09-12 [E] [expires: 2020-09-11]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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### 3.145. Beat Gätzi <[beat@FreeBSD.org](mailto:beat@FreeBSD.org)>

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pub  rsa4096/ADA4DD51C7914099 2019-09-05 [SC] [expires: 2022-09-04]
      Key fingerprint = E0AB 0418 401D F150 4C5E 9E06 ADA4 DD51 C791 4099
uid  Beat Gaetzi <beat@FreeBSD.org>
sub  rsa4096/63C91DF5F37C26DE 2019-09-05 [E] [expires: 2022-09-04]
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### 3.146. Daniel Geržo <danger@FreeBSD.org>

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pub 4096R/7D81BFC724F0CF16 2015-10-05 [expires: 2020-10-03]
    Key fingerprint = 9523 41A8 77DD 42EE A950 06DB 7D81 BFC7 24F0 CF16
uid Daniel Gerzo <danger@rulez.sk>
uid Daniel Gerzo <dgerzo@gmail.com>
uid Daniel Gerzo <gerzo@syscare.sk>
uid Daniel Gerzo <danger@FreeBSD.org>
sub 4096R/777D8003C7546767 2015-10-05 [expires: 2020-10-03]

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### 3.147. Simon J. Gerraty <sjg@FreeBSD.org>

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pub 1024D/B6CC76BF 2002-06-12
Key fingerprint = F3BA D6CB E1F8 02EA 705F BCAD 6125 F840 B6CC 76BF
uid Simon J. Gerraty <sjg@crufty.net>
uid Simon J. Gerraty <sjg@juniper.net>
uid Simon J. Gerraty <sjg@NetBSD.org>
uid Simon J. Gerraty <sjg@FreeBSD.org>
sub 1024g/D94B72B9 2002-06-12
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.148. Justin T. Gibbs <[gibbs@FreeBSD.org](mailto:gibbs@FreeBSD.org)>

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pub 2048R/45A4FC2F 2012-02-10
    Key fingerprint = B98A C3AB 412B 094B D6FE E713 FA5A 1E30 45A4 FC2F
uid Justin T. Gibbs <gibbs@FreeBSD.org>
uid Justin T. Gibbs <gibbs@FreeBSDFoundation.org>
uid Justin T. Gibbs <gibbs@scsiguy.com>
sub 2048R/AF6927F8 2012-02-10
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### 3.149. Pedro Giffuni <pfg@FreeBSD.org>

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pub   rsa2048/CD6B0B96CEF22D04 2015-04-24
      Key fingerprint = DE2D A4F4 C66E DE0F D41E EB70 CD6B 0B96 CEF2 2D04
uid   Pedro Giffuni <pfg@FreeBSD.org>
sub   rsa2048/5D98460191310FC9 2015-04-24

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oJX7xetws3jpSPk51TD0plamehXjndwemtUtW1czITF9MfDosaihoUro6NcAtBz
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KcUT0p+zjCyfLVE6UELiRvsT+mg4QcZL7e+JAuLkW5LhiAskz8/1fRgnvVquTcYd
7TPJrYnejpLyumbhsgo0bn4Gs9yrJeQpKbln6YQxifzT4Eqot3aEeZxLUeKzQd0V
qlci8PTI1krvda9x+FdGvKxY9Iz4T+SwnZsvBaCXo9hjJZ7U1VaCdWxgHhy5tuTu
MAGGS9lCGbdvdKuAb5QDtcvx0jcY5s7Q2t2udCymRDbQYrL8PEyJa3Cz3NoBD9g
9EEr9PLX05h0WMvf3M5pS4j/XKbzUbKqiBy1VPw=
=TJfB
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.150. Palle Girgensohn <girgen@FreeBSD.org>

```

pub   2048R/4A6BAAAD 2012-02-23 [expires: 2016-02-23]
      Key fingerprint = BD8C 332C E630 31D6 2FDB 80BD 5FF2 A161 4A6B AAAD
uid   Palle Girgensohn <girgen@pingpong.net>
uid   [jpeg image of size 8260]
uid   Palle Girgensohn <girgen@FreeBSD.org>
sub   2048R/6BC41243 2012-02-23 [expires: 2016-02-23]

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Comment: GPGTools - http://gpgtools.org
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mQENBFcwkSwBCADgFBxNfgDFn7KvjxG7waHME+4xswe0Kxc8vFaqf/SXX6XYhPJ3
2ek6b7jAQIz8D3HQ2VMEi3FGMi0uo8TbneR9sRdEuTSe9Gj03XCefAuTX9KKFX8y
VrDq5Tu9+dPterIWu0oFAd9CUo7/6wXG0aiedoyt13Tj+7XZV6+QiU1Jtz4YiPgp
2c9b8U8E5vKWin8sqhK+qkTtkmULNPSMJ0oGD9IZbJFvGhvwQDHduo1m2sK2Vfq4

```

```

3aSozedMUZaC0W1MowSw0Mtd0r0M+Zvn8g0I3YAsC9uh6k9mhb688jtEgq/zVaQJ
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.151. Eugene Grosbein <[eugen@FreeBSD.org](mailto:eugen@FreeBSD.org)>

```

pub  rsa2048/8455C3737D4754CA 2017-03-07 [SC] [expires: 2020-03-06]
      Key fingerprint = 372B 1367 8667 4CDB BF9C F66E 8455 C373 7D47 54CA
uid  Eugene Grosbein <eugen@grosbein.net>
sub  rsa2048/B9B1FD511F8AE904 2017-03-07 [E] [expires: 2020-03-06]
sub  rsa2048/B0CD1AF226988B28 2017-03-07 [S] [expires: 2020-03-06]

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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=8HWr
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.152. Philip M. Gollucci <pgollucci@FreeBSD.org>

```
pub 4096R/D21D2752 2013-07-21
Key fingerprint = ECDF B597 B54B 7F92 753E E0EA F699 A450 D21D 2752
uid Philip M. Gollucci (Sedan Magic) <pgollucci@sedanmagic.com>
uid Philip M. Gollucci (P6M7G8 Inc.) <pgollucci@p6m7g8.com>
uid Philip M. Gollucci (FreeBSD Foundation) <pgollucci@freebsd.org>
uid Philip M. Gollucci (Apache Software Foundation) <pgollucci@apache.org>
uid Philip M. Gollucci (Taxi Magic) <pgollucci@taximagic.com>
uid Philip M. Gollucci (RideCharge Inc.) <pgollucci@ridecharge.com>
sub 4096R/05519D52 2013-07-21
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Comment: GPGTools - http://gpgtools.org
```

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rGKTqieNkP0b2V5ubBZ8+jrBSN1Iz+vX9U50glDyas3brHxpnXM9EiTn0fwQrChx
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PprUS/FXmPha0KiY2toKS8y4sepH6du2klj5tV8R/6axRZEK2n+VJLU7bpWde3p8
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ZGFubWFnaWUy29tPokCOAQTAAIAIguUCUeswFgIbAwYLCQgHAWIGFQgCCQoLBBYC
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### 3.153. Mikolaj Golub <trocin@FreeBSD.org>

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      Key fingerprint = 4EC9 5FD7 9614 A09F C767 47D6 64D9 C65A 9F9A F711
uid   Mykola Golub <trocin@freebsd.org>
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### 3.154. Danilo Egêa Gondolfo <[daniilo@FreeBSD.org](mailto:daniilo@FreeBSD.org)>

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pub  rsa4096/8586A54720E27246 2015-10-19 [expires: 2018-10-18]
     Key fingerprint = 691E 7D8F 6521 8237 8EB1 1173 8586 A547 20E2 7246
uid      Danilo Egea Gondolfo <daniloegea@yahoo.com.br>
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3.155. Dmitri Goutnik <dmgk@FreeBSD.org>

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pub  rsa4096/C197B67CEBE20ECD 2013-09-16 [SC] [expires: 2022-01-01]
      Key fingerprint = 955D 6EAF 0CDD 2551 9748 6DDD C197 B67C EBE2 0ECD
uid      Dmitri Goutnik <dg@syrec.org>
uid      Dmitri Goutnik <dmgk@FreeBSD.org>
sub  rsa4096/DFDF96A52CB71862 2013-09-16 [E] [expires: 2022-01-01]
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.156. Daichi GOTO <daichi@FreeBSD.org>

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pub 1024D/09EBADD6 2002-09-25 Daichi GOTO <daichi@freebsd.org>
Key fingerprint = 620A 9A34 57FB 5E93 0828 28C7 C360 C6ED 09EB ADD6
sub 1024g/F0B1F1CA 2002-09-25

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.157. Marcus Alves Grando <[mnag@FreeBSD.org](mailto:mnag@FreeBSD.org)>

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pub 1024D/CDCC273F 2005-09-15 [expires: 2010-09-14]
    Key fingerprint = 57F9 DEC1 5BBF 06DE 44A5 9A4A 8BEE 5F3A CDCC 273F
uid          Marcus Alves Grando <marcus@sbh.eng.br>
uid          Marcus Alves Grando <marcus@corp.grupos.com.br>
uid          Marcus Alves Grando <mnag@FreeBSD.org>
sub 2048g/698AC00C 2005-09-15 [expires: 2010-09-14]
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Version: GnuPG v1.4.2 (FreeBSD)
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```

```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.158. Peter Grehan <[grehan@FreeBSD.org](mailto:grehan@FreeBSD.org)>

```
pub 1024D/EA45EA7D 2004-07-13 Peter Grehan <grehan@freebsd.org>
    Key fingerprint = 84AD 73DC 370E 15CA 7556 43C8 F5C8 4450 EA45 EA7D
sub 2048g/0E122D70 2004-07-13
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.159. Jamie Gritton <jamie@FreeBSD.org>

```
pub 1024D/8832CB7F 2009-01-29
Key fingerprint = 34F8 1E62 C7A5 7CB9 A91F 7864 8C5A F85E 8832 CB7F
uid James Gritton <jamie@FreeBSD.org>
sub 2048g/94E3594D 2009-01-29
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.160. Adriaan de Groot <adridg@FreeBSD.org>

```
pub rsa4096/7FEA3DA6169C77D6 2016-06-11 [SC] [expires: 2021-02-24]
```

```
Key fingerprint = 00AC D15E 25A7 9FEE 028B 0EE5 7FEA 3DA6 169C 77D6
uid Adriaan de Groot <groot@kde.org>
uid Adriaan de Groot <adriaan@bionicmutton.org>
uid Adriaan de Groot <adridg@freebsd.org>
sub rsa4096/5A80DEF53ED6FFB2 2019-06-13 [S] [expires: 2020-06-12]
Key fingerprint = 52AF A9BE E0FE 37CF EF55 6FBE 5A80 DEF5 3ED6 FFB2
sub rsa4096/8A6094B85BAE0201 2019-06-13 [E] [expires: 2020-06-12]
Key fingerprint = FC46 53B3 31F0 5654 EC12 D663 8A60 94B8 5BAE 0201
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### 3.161. Edwin Groothuis <edwin@FreeBSD.org>

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=y0tR
-----END PGP PUBLIC KEY BLOCK-----
```

**3.162. William Grzybowski** <[wg@FreeBSD.org](mailto:wg@FreeBSD.org)>

```
pub 2048R/CFC460C5 2012-09-28
    Key fingerprint = FC40 5CD8 0879 7F50 0036 D924 D9F7 8B27 CFC4 60C5
uid                               William Grzybowski (FreeBSD) <wg@freebsd.org>
uid                               William Grzybowski <william88@gmail.com>
sub 2048R/05577997 2012-09-28
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-----END PGP PUBLIC KEY BLOCK-----

**3.163. Barbara Guida** <[bar@FreeBSD.org](mailto:bar@FreeBSD.org)>

```
pub 2048R/3DF5F750 2012-11-13
    Key fingerprint = D367 F6C8 2A5F 2921 70D2 B446 27DD 6FD6 3DF5 F750
uid                               Barbara Guida <bar@FreeBSD.org>
uid                               Barbara Guida <barbara.freebsd@gmail.com>
sub 2048R/1DF7506C 2012-11-13
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.164. Anish Gupta <[anish@FreeBSD.org](mailto:anish@FreeBSD.org)>

```

pub  rsa2048/032E006E119E57D4 2016-02-21 [expires: 2019-02-20]
      Key fingerprint = B6BC 1DA5 54F7 1115 CF3B 350E 032E 006E 119E 57D4
uid  Anish Gupta <anish@freebsd.org>
sub  rsa2048/668CCACEEDAAC016 2016-02-21 [expires: 2019-02-20]

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### 3.165. John-Mark Gurney <jmg@FreeBSD.org>

```
pub 4096R/205F0B33DD006ADA 2018-08-10 [expires: 2021-08-09]  
Key fingerprint = 60B5 E4F1 3C76 206C 6120 0B60 205F 0B33 DD00 6ADA  
uid John-Mark Gurney <jmg@jmgurney.com>  
uid John-Mark Gurney <jmg@FreeBSD.org>  
uid John-Mark Gurney <jmg@funkthat.com>  
sub 4096R/7631CA65202DC355 2018-08-10 [expires: 2021-08-09]
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erv07DFDA+ksxtFPPEdwn5g0ilRLJTNBSQCAeimI1MdZfmen9UzFPoE5icUA6
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21a27c10CugXtUMNCQmiK4Ay8IJ7GxnWS3SnNmCITYY3E78LuknoFRCKnv07oiGR
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lgyVo1fr8noBHM2v2JE88K3zreSHc+Y0DTKihHoNp02DGDtV9wGRSMkqtrA1CaJw
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atp8yA/8DyzB5VJ6fP6KeZbYgpy3smtJ0fbqVddGdMRHUxIzQRvNerphMVXn260E
uYHHG5NFhgJXUXypWc3a6oaINp8coFPCTFGiQEdAw4zF0rjJTLbM8654vT6EkLz
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LForigyN5HiQrk/8TGWxErqnBBVtn+JUUYIk0X2AnEbStHH4w2J/ItwB1CXJHHzn
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=3X4y
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.166. Mateusz Guzik <mjg@FreeBSD.org>

```
pub 2048R/21489259 2012-06-03
Key fingerprint = 3A9F 25FF ABF6 BB23 5C70 C61B 96D3 5178 2148 9259
uid Mateusz Guzik <mjg@freebsd.org>
sub 2048R/EA19FE8D 2012-06-03
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

mQENBE/Lx0sBCACLEi5g5IYj80/1uc7Li2lpx/0fPAZ6/Lw0MjvzRHDHEc/yCo9N
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bVGTZgLCqZqUT/sJfPqyREmU+hUcR+ELHGjD2zEi0JZg2dB+EoqE9NLFcoUGasRq
WkPfqdm50ipVbTU3SdK2mh5CnqC4xp5LXgBYa0tZkQFNh9mSf1PXouj7Zn89Ghzk
TaS+ZbyBWgftvZRxqUaxTK34N1zdMKcWzclS0AaWlyepBkvDzh2tZ55PYmL7f+Zf
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PG1qZ0BmcmVLYnNkLm9yZz6JATgEEwECACIFAK/Lx0sCGwMGCwkIBwMCBhUIAgkK
CwQWAqMBAh4BAheAAoJEJbTUXghSJJZBLAH/0i5SyyIB9CBKrtUGrvytcRCr3Ji
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IAAH9ckP5Hqs0E5wIM9M+X5JczNtY78AEQEAAykbHqYQAQIACQUCT8vE6wIbDAAK
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=gTKh
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.167. Jason E. Hale <jhale@FreeBSD.org>

```
pub 3072D/8F2E5907 2012-09-07
Key fingerprint = 009C 54BF 32D0 F373 8126 C8A1 D8DD 2CA4 8F2E 5907
uid Jason E. Hale <jhale@FreeBSD.org>
uid Jason E. Hale <bsdkaffee@gmail.com>
sub 4096g/7081A001 2012-09-07
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

```
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```

```

qpi7F0myf/uBwfmVldoJFiQMf4=
=b+0m
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.168. Jason A. Harmening <jah@FreeBSD.org>

```

pub  rsa2048/BB9F8BF992841D1B 2015-03-09 [expires: 2018-03-08]
     Key fingerprint = D6F7 142D E415 8182 FFC5 E685 BB9F 8BF9 9284 1D1B
uid                               Jason A. Harmening <jah@FreeBSD.org>
uid                               Jason A. Harmening <jason.harmening@gmail.com>
sub  rsa2048/65B797684FD3EC2F 2015-03-09 [expires: 2018-03-08]

```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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wBz8aCrLmS92FmTUIFK4hpS9j+7Ai9vYHYtJ50a8fv0sn0XD7vsK/cHEYWx+uRH
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=+qKo

```

```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.169. Daniel Harris <dannyboy@FreeBSD.org>

```

pub  1024D/84D0D7E7 2001-01-15 Daniel Harris <dannyboy@worksforfood.com>
     Key fingerprint = 3C61 B8A1 3F09 D194 3259 7173 6C63 DA04 84D0 D7E7
uid                               Daniel Harris <dannyboy@freebsd.org>
uid                               Daniel Harris <dh@askdh.com>
uid                               Daniel Harris <dh@wordassault.com>
sub  1024g/9DF0231A 2001-01-15

```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
Version: GnuPG v1.0.7 (FreeBSD)
```





```
=HsTV
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.171. Oliver Hauer <ohauer@FreeBSD.org>

```
pub  2048R/5D008F1A 2010-07-26
      Key fingerprint = E9EE C9A5 EB4C BD29 74D7 9178 E56E 06B3 5D00 8F1A
uid  olli hauer <ohauer@FreeBSD.org>
uid  olli hauer <ohauer@gmx.de>
sub  2048R/5E25776E 2010-07-26
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
```

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VDyyMw0adFK736w7iGmPRKi19XU0bhdt1PX9dSWe5dvRGaqpTyyEEHx9sS0Gm9s
bGkgaGF1ZXlPG9oYXVlckBnbXguZGU+iQE4BBMBAgAiBQJMTcuLAhsDBgsJCAcD
AgYVCAIJCcsEFgIDAQIEAQIXgAAKCRDlbgazXQCPGrckCACebFzIU4Tm0aQA/kaV
djHZ6A6oxaFwQVC3NL0YQl0oarXr4KHdtjnlBrXvQP/a8L/RPdr1NteBbk2FrXxz
3BpCGHE13ScSm9HVtM94WYziUuzERc3Q0LHNM20236a8PstePRjy59G/gH/rgrdq
j0iCKg7hF3jaYRAM6DNglvFb8QWZ3e6wt/QBMovZj6Mlhy8xR+fjUjlsNAeJ9dX
4ozeoFXp+IaSztdBzZsUsbourE0L6CfSuI0EYn+wIXuyu8xQs1eqmJ3NyBYNoedm
ko68wqVQCd0MCWRJbpikaxvkMLDVUt09raWDEkgLkRDSYIDwCQrioGUXndZpeBkd
W8vmuQENBExNy2wBCADFHqQ/L3Iyj4Sx35/ljLYje0XRXR0WI3QN0ZZSSMXF1RpV
LQKH2RMUV0KC3eufb6yYzokZniY6V8CTkgLTaBAy24a5gVm5sI4S04mY0ml54Twm
GDMp1kbVeJtscwzLkP20LHua0W+P9oj9kn9HKkt5CrZvx4nuE1lIMxzIyXVLKSmQ
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y2wCGwACgkQ5W4Gs10AjxooWAf8C/e9xYK0FsuKRAP9Z48KJ4fMJS1zIVwoLBAy
5+0k7X9gJ7gMw/WvXfSi+zammuH0seFICsELWKW4wmmv20rIu8o8Grk//M1E8Baj
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saFIZz9GEhZQ0Dn0Nsi+k87yt8U3N1Pj7sv7dIouVuoT7AMGA8IfGjyGxaBqydA
4bWSIH01pZbuuxxNidE42C7SIFQplwyEHEKPl1mteMDJxKGNr7sb5SNvDs5f5t4B1
9C9j9upXe0qx20qfUoN7dXT7uNmc9My6Ng9yJwFTHat6xP5gjjg==
=cHU1
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```
-----END PGP PUBLIC KEY BLOCK-----
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### 3.172. Emanuel Haupt <ehaupt@FreeBSD.org>

```
pub  rsa2048/104E62C545316E89 2016-01-30 [SC] [expires: 2022-01-07]
      Key fingerprint = D9F1 1649 6964 99EA ADBF D1C4 104E 62C5 4531 6E89
uid  Emanuel Haupt <ehaupt@FreeBSD.org>
sub  rsa2048/AB8EF8AD753A7017 2016-01-30 [E] [expires: 2019-01-29]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

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mQENBFaszWkBCADVp+7y+5XuatQ0hVL0gxWCDYpVD78h+jkEx+AASTVaIe0g3/p5
ulVNtECiRwdRFINR7CSHYgFfBr1GQrqmxQR4wmAJ3MQX9q8CjFbDtYwRludw+tsJj
SteEBvJ/i0AoYcLant5HiYxmK1jR2vMjPv/qZkZwWgyqWfPa08MquKnZNVwMvbrh
RGUDxFxnA4bijmVvyLoSgoD1Dbog7X4jEhXWahb4aPf10UWjTmiFg03sG9k3M48E
```



```
j f+gLCiKNyB0w77WN1EHgtFiTGvkymXxBWQRxAxi8oUDjDe84pPHkzMCZ+g4j/xb
zQ8VNWJwCijavwF3NkWM2RC2M+h8Qwf+494rABEBAAG0IkVtYw51ZwWgSGF1cHQg
PGVoYXVwdEBGcmVlQlNELm9yZz6JAVQEEwEKAD4CGwMFCwkIBwMFFQoJCAsFFgMC
AQACHgECF4AWIQTZ8RZJawSZ6q2/0cQQTmLFRTFuiQUCXDRSmgUJCysfsQAKCRAQ
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ZQtYrR4l+R94ZrW5ikVmpJJIVAK0U08IdhwyURJCjgT9Vue37LD9NtuhRTWzm7
kK53cKSSI+zZH872yg6Q8jdYV/OJnNxxxxIzDKZXCwRK7UqW3tjHqgMTEiaX+r
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HTLY73K9y7qGHLvJOTLmhAgeb6aIaFDKjJG+xKSIho75IL0bgQqoarFH+QPILwFu
821zDA7DsdXAFtiL4ZCbmbdsCSrwSZJ62uJ7rwQ2mUK67VwhwfnEBj0147bGljMB
CJcfiy1lqY0rtrKjErA8qPuyA9SS7B2LHU7RWurfCZDM1z2QLwbiZ9wQJdkqXM1e
mNKMbSkKSe81wdAbV6hRA+FZiw==
=OFDB
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.173. John Hay <jhay@FreeBSD.org>

```
pub 2048R/A9275B93 2000-05-10 John Hay <jhay@icomtek.csir.co.za>
Key fingerprint = E7 95 F4 B9 D4 A7 49 6A 83 B9 77 49 28 9E 37 70
uid John Hay <jhay@mikom.csir.co.za>
uid Thawte Freemail Member <jhay@mikom.csir.co.za>
uid John Hay <jhay@csir.co.za>
uid John Hay <jhay@FreeBSD.ORG>
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

mQENAZkZeP4AAAEIAMK3LRpUCJdg9V9Pr0KIdvaQeItf5Fcrbh0GE4skfNPKeTg
TQi fwdG/GrMPYJBPHU8JnFqumLund2VSoFEJ/6W5S0ZP2L5ZCq496pGCsekpe+kR
dN3Ra+GoR+cWlKuXj+IxAOZiv2WEL027TnMhWgf/DHLdoWvSwJdVrGnk0KjBJGr
HwWE6VG1hBs0WMa9T0tb3sRVTEIJXDCn8f12eixx8XCzwIQJSgWC+Thry+Z0/hz
FRR5yl+izJfffQiljC4yY0rXqDu9K3i+/0lWywcbnqMtRj8Pnr3j3Lzft+xex2ml
qX68fE6dxof6Tc3GQCEqelj0I0Ab8Zqy2qknW5MABRG0IkpvaG4gSGF5IDxqaGF5
QG1jb210ZwSuY3Npci5jby56YT6JARUDBRA8TDj/8Zqy2qknW5MBAeMwB/9R+Nvd
bPPkvll4Qaw9I1FwM3iaMDM4IkqR6r+Gsi+RYIClymRBU1HXZzKyNR/Ysy0thnIe
Y02yg7U2nYJ00ysZL1Hd7R9EQBuYZk647PMKbQ+pQ4k9Ki010bT9JivWz6u6R3L
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VXKnFHAP2Um8IZeHXKqgh/jTTNCqWz7oj3GfVzzGEnmwI+goZScQWU15J708Mn0f
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LyI1/E8E3wELJZHLdWQ7ldvXPU0aoJp5PJ0FIV3Nvme9g8U0BzRT/NjH06mYgsKW
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wnPlMNSG9U8BAQVeA/0V4aLPthF5+FVL7GJ14R7IQee3NkepsCQRwFDl11DJkyn
DxyISqzQd/ur1v5gzi0MppQ35rekRYxqqmKCSg80ZtcQ8WfFrMPOYDDn8uTXmwX4
OgLuW2EnJc0y1JiKuew1tHRQuo0bZt09yePRKkq+cPglN+yrjPjGAJ1AuUL56bQa
Sm90ubiBIYXkgPGpoYXlAY3Npci5jby56YT6JARUDBRA5H0fE8Zqy2qknW5MBAXAc
B/9QuIzEQJDFYjyv5Ztu9mtEUZoFavYmLnLvbUz0rwZ0zv8/krEQtkdVvkkWYQc
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```

```

0zU/d/kDd9mU3xismVbDa9xSJHbFh5KDpvnbeRhx5VIXcdiJ+RbM9VNqsMmZwCBS
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rQKDtM49M57ybHoL fZ9GXKo8iTN0uXE70G0x8kIuapiNwKm2wayng8utIxGaco0
hp8D0uj3dgTFUZ3pcMSxtjWEtBtKb2huIEhheSA8amhheUBGcmVlQlNELk9SRz6J
ARUDBRA5H0gL8Zqy2qknw5MBATYEB/90qkiF+JTQZMN2wllkXiadUd1uHK8Um7q
f19t1pI2Is0BNxtBwVY10l rkpFkSkpSUHEmVKUVhHjsHVv+r+EdJ4dTcsT6c5cCj
i7avfz8duVbym09yDLytnBGr3te7tkmalwk3JkjXJhiMuUW9w9woCuVWRexLABDm
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=l5Xu
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.174. Björn Heidotting <bhd@FreeBSD.org>

```

pub  ed25519/DFBD53FF728C751A 2019-12-12 [SC] [expires: 2022-12-11]
     Key fingerprint = F395 DC8B C1E8 CB8C 548B 027D DFBD 53FF 728C 751A
uid  Bjoern Heidotting <b.heidotting@yahoo.com>
uid  Bjoern Heidotting <bhd@FreeBSD.org>
sub  cv25519/C3D9E2FA95FF7258 2019-12-12 [E] [expires: 2022-12-11]
     Key fingerprint = 3E35 C128 72DF 7464 CDFE A8A4 C3D9 E2FA 95FF 7258

```

-----BEGIN PGP PUBLIC KEY BLOCK-----

```

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ADgWIQTzldyLwejljFSLAn3fvVP/cox1GgUcXfKbCwIbAwUJBA0agAULCQgHAWUV
CgkICwIeAQIXgAAKCRDfvVP/cox1GgjBAP9aY0KEgIN39Zp+rMGXcELNfQ9dbZtJ
fdF8p7lNp5m2/wD/e3/4jaLdYDrfowKvEXQ1AhJjKgUuKkD0dbJwUZnaDgC0KkJq
b2VybiBIZWlkb3R0aW5nIDxiaLmhlawRvdHRpbmdAeWfob28uY29tPoiQBBMwCgA4
FiEE85Xci8Hoy4xUiwJ9371T/3KMDRoFAl3ynCUCGwMFCQWjmoAFcwkIBwMFFQoJ
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eyXKCb3Hxe0A/iLd6P4jakqm7BxanBRZyPB8w7u/J90GgAydWgj30CEJuDgEXfKb
CxIKKwYBBAGXVQEFaQEHOHztBwgWHyBK1Tpt6IJC/1DJ7L/Bntt37Z+i+iYnS7Nu
AwEIB4h+BBgWCgAmFiEE85Xci8Hoy4xUiwJ9371T/3KMDRoFAl3ymwscGwwFCQWj
moAACGkQ371T/3KMDRpMewEAnU3qBLNE38wq6UuDQXUvjE2VM7t+jYQrwekRwkdH
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.175. Sheldon Hearn <sheldonh@FreeBSD.org>

```

pub  1024D/74A06ACD 2002-06-20 Sheldon Hearn <sheldonh@starjuice.net>
     Key fingerprint = 01A3 EF91 9C5A 3633 4E01 8085 A462 57F1 74A0 6ACD
sub  1536g/C42F8AC8 2002-06-20

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

```

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eLu18skUNup1y3uIwvhNUY30PSzVkhC+tUPWfW/8DqdJzud/l8sDFDRtBwCgtixB
FHJ2jRXInApVzwlCjppgVJq8D/ixzt00/Zg2p62/qaHac7M1sEc2QarCAGwRbuNw
jHRtgLxQw/GT2NACwqy7LVHKd37ciCrXg9QrTjotJtMcoJbCitYvbQo2RHfEeIyN
yw7rfftQ4CpB51KxNhuWHcUfe6Jhx2hgHzehJg7hYnbtSv5hJcn2DXMShHyHwBri
hpldBACI7iJxL2MtFUHBo3Xw27WYDzTNTTh2LUaMcIaowMW/+vIDds6EI71dCAjuU
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```

```
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.176. Mike Heffner <mikeh@FreeBSD.org>

```
pub 1024D/CDECBF99 2001-02-02 Michael Heffner <mheffner@novacoxmail.com>
Key fingerprint = AFAB CCEB 68C7 573F 5110 9285 1689 1942 CDEC BF99
uid Michael Heffner <mheffner@vt.edu>
uid Michael Heffner <mikeh@FreeBSD.org>
uid Michael Heffner <spock@techfour.net>
uid Michael Heffner (ACM sysadmin) <mheffner@acm.vt.edu>
sub 1024g/3FE83FB5 2001-02-02
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
```

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/hI1B61Ab3/yDwmjzrW7Kb2i9URK40Kw/95Yjoc2g0t/CFrmFi82UwMsmUp4mIqJ
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l0AkDv2LVm0F+v5CBex2gkqIRgQQEQIABgUC0s49wgAKCRDCpSwr0i8VsUrfAKDi
Cffo5C6Ei5xHtWRA0DpHCh0o0gCgqWDeqC4zLU/LB/jKYdGX37VPMQ00I01pY2hh
ZWwgSGVmZm5lciA8bWlRZWhArNjLZUJTRC5vcmciFcEExECABcFAjP6LpYFCwK
AwQDFQMCAXYCAQIXgAAKCRAWiRLCzey/mRbDAJ9BS5Fwb+Dj4IHlRysr6IHcXet
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JE1pY2hhZWwgSGVmZm5lciA8c3BvY2tAdGVjaGZvdXIubmV0PohXBBMRAGAXBQI6
f4GRBQsHCgMEAxUDAgMwAgECF4AACgkQFokZQs3sv5mRMwCffitELKCHTC+tF8hQ
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gGvDcPe0Kk1pY2hhZWwgSGVmZm5lciA8bWlRZmZuZXJAbm92YWNveG1hawWuY29t
PohXBBMRAGAXBQI7RpsRBQsHCgMEAxUDAgMwAgECF4AACgkQFokZQs3sv5m0ogCf
RV9e/JXy1ixgKCVoqzaIQ3j2MBQAOjwV25V4gpucQxysqRrWtB65Ja+uQENBDp6
LqIQBACFC0+vvM6/ItDzUHX3vIihiKENou4FchXwc/u7uchsls589+PwaYWXqtPH
E9YSjXYo9y875l6ci0agBL6rJZ8oNkc/yLrmx42iStdAdEKcGk355kmXiWgaAm/W
CT5YIETaY+D9TrBDD+c+ofB8vhekxAlr30FAnX6VmUJFi5xfRwADBwP+LiUdpsML
kdJj0Y8PmbB3Gxle3X9w+6hBkoP8Z0q5dzG3Y3mGYpgLd4Yttf1KEKUm68BDJgcvf
41B2Y6Ptp7mSRAufbymIRihNKH78fleaziWsux2CYJGZvsJzuYrLzgwuTzclQKL6
MfRXZHPyt+1SwQeV6pIE0DBZLHg9a0Ak5sqIRgQYEQIABgUC0nuogAKCRAWiRLC
zey/mfYtAktvze8DK+0HP1fTQyDaj07o9RTIVACeIwhXEBRN8cH0BsG/8Qn5sZo
2Q8=
=/jOR
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.177. Martin Heinen <mheinen@FreeBSD.org>

```
pub 1024D/116C5C85 2002-06-17 Martin Heinen <mheinen@freebsd.org>
    Key fingerprint = C898 3FCD EEA0 17ED BEA9 564D E5A6 AFF2 116C 5C85
uid                               Martin Heinen <martin@sumuk.de>
sub 1024g/EA67506B 2002-06-17
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQGibD0NjbIRBACZTF4rK66+y43uXsV8CHSefx5lRHaLPFMNga+sUBRIFcwu9WbS
KSP/r60Gf/mNK4EUX3/+3gVljrgpAbQL9X9MV/S050aZM8JMrUkUwjuzzzFKpLT7
bdB2zWhexWemFsE0F1G5NpxkqMg/E0aiZb5P9MVJyGLlF1hCwhWsNG00ewCgzQ/b
yAEMk03PPk3D0aM4d/Vdf38D/j40+TJPSjMf58wRGkrT+BmLCvFvg10sUOMgyQPC
Y07y06WmSiZV5ynqb4b55m3jfQmG1I2wK+dIf8SHyaVgqZiUpfqrsvFV2qwfZXcod
C8a8b/kmEbdMk1j+jZ8qxSScrKCHKqdEs1UihCt/F1kVVd8gqYbWouICxF4GoU4Z
ANmHA/4xVNIInKvghFk9lMaK9lDgQs02laaTWLWzcSfe28ADds3Jdur00x06tgeU
zdktwQvRYpIjqiqCCFLN18l6Lc5qyTg6fnx2yWpWJMb/xumUz7A79X0TBN8WG71n
zfJLHtn7fcjsi5009s7Ahu//Q7pGN8FvkrZH3xNw+3pAaoawrQfTWfYdGluIEhl
aW5lbiA8bWfYdGluQHn1bXvRlMrlPohZBBMRAGAZBQI9DY2yBAsHAWIDFQIDAyYC
AQIeAQIXgAAKCRDlpq/yEWxchZjRAJ4s0v1VXJmkm7kj3kMM0Z8xMNOJaACgkcMu
T1ID/2v+A1X7+su0zrWMr5aIRgQTEQIABgUCPZGohAAKCRcTeU9X9uLnUzW3AJ9T
0Hzs6Zzq3HAyUSVKLReaZEhyGQCfb7goCt5RLbxx+3AMyyX5uh1boQmIRgQTEQIA
BgUCPZGLrAAKCRD5Ay7lt7i0eYdWAKDEeKmbkRTSZKsKelQwiD+T3me3tQCfVMLi
9mkjo1OAXpAOVX3Igy50HUS0I01hcnRpbIBIZWluZw4gPG1oZWluZW5AZnJlZWJz
ZC5vcmc+iFwEExECABwFAj/Q6/UCGwMECwcDAGMVAgMDFgIBAh4BAheAAAJEOWm
r/IRbFyFjSMAniK+uu6ts+tLchT7+npGpPJ0wmyCXAKCmCmXrSUTnPG5DwiVD66h6
aL2GHbkBDQ9DY20EAQA4hG77oKy6pQB1+dhbbLsfb3UerWv7i/w21Y1tSriZ5gm
HhofJRuczvrlxSXBf5bZ5I0D+gIVZ5jLsS8IXUIZiK3dRFvHm4awrcxwLgKsfJ4J
0DGhne4XBdJENiHV8rb3/mk+Ffes/88DmoU45fpAwY1YN1jH8W05mEq2aKcJHcA
AwUD/jBsaAoUeN000hWuZuWYNM4nvX57npt0bVzP54/TfKs4GmdWzcFi2JB+5eFp
rjtnCK+tosTQd73VzMMWk0fwiIew+GsB+g/ibK/WJW0LS6fktW2nPG2mGRbLLtf4
8W4ZmtZuQFTBSbmZ0csxQ/LahRosX82NbQyFPwuFMebqYho5iEYEGBECAAYFAj0N
jbQACgkQ5aav8hFsXIU0ogCeLnzxBftyPv5iS52Ear+q/mPZL7oAniB0B6mFARQV
gtLJNL6KejWqSh3V
=Z84i
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.178. Niels Heinen <niels@FreeBSD.org>

```
pub 1024D/5FE39B80 2004-12-06 Niels Heinen <niels.heinen@ubizen.com>
    Key fingerprint = 75D8 4100 CF5B 3280 543F 930C 613E 71AA 5FE3 9B80
uid                               Niels Heinen <niels@defaced.be>
uid                               Niels Heinen <niels@heinen.ws>
uid                               Niels Heinen <niels@FreeBSD.org>
sub 2048g/057F4DA7 2004-12-06
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQGibBEG0KfCRBACgVft+tcJtDzCAHLta1UxWLT5ucTeSfsNyhfYRdoz+IBtJ7bE+
8ydX/y8ZG9Rbb6SCP176Cq/sHj5hDlxp62k/7cs0cLvjqPC5dbZG8hgxyerygXLE4
b76zjI5KLOyCDRyqh+DEB04uuopZ7ACoJMRhCwyfgqJomlGy0Mr/BzffffwCghsiF
7Ts0UyQcV0vlxSXBf5bZ5I0D+gIVZ5jLsS8IXUIZiK3dRFvHm4awrcxwLgKsfJ4J
wGv0MR5laNHXINUyaoEBdiUaCWw6J5lesluX7/g9+X8t9mvfMmDrVlRjKoc8zlhM
o29TB4oL5mM7jHjy0Dw8q/n11ydWQgu8a3v7giuoYa0KX4N58qWDDGBbd1j0kol
bnqIA/9+kVIr92q211LsR3GJTFMMs/f6nbDwlyZdpzxE7b2Xu5d175wjX1wqJT9C
pgS+8p8+Puj+KyVJCGQTW31Cba7W54b0xfBj62rreh/xVBwfdWdus3XH3WEH9KRm
pLXRwTqlIAzL3CEu+iFqJKqU5AYe0PhhcT1Tbf6PHp7iQdTrQmTmlbHMgSGVp
bmVuIDxuaWVscy5ozWluZw5AdWJpemVuLmNvbT6IYQqTEQIAIQIbAwYLCQgHAWID
FQIDAyYCAQIeAQIXgAUCQbQ42AIZAQAkCRBhPnGqX+0bgGqSAJ4/ld+x0v6/64Up
+1IPobpSdvjgzgCeI7Kp4K1Td7QNQG6Afc9nY4WTj+60H05pZwXzIEhlaW5lbiA8
```

```
bmllbHNAZGVmYWNlZC5iZT6IXgQTEQIAHgUCQbQrdgIbAwYLCQgHAWIDFQIDAxYC
AQIeAQIXgAAKCRBhPnGqX+ObgIDjAJ9iqh9KLSBXEL3T9U4xsLpqKHoPugCfWm4T
jRLWPt0TEGm+0nmtlG1dP4+0Hk5pZwXzIEhlaW5lbiA8bmllbHNAAGVpbmVuLndz
PoheBBMRAGeBQJBTChXAhSDBGsJCacDAgMVAgMDfGIBAh4BAheAAAJEGE+capf
45uAc5kAoIIA2lj2dycq87whxsoWq/vpdb6sAJ4iHMxJ8xN9Qij+NiFZkNds4+iZ
uLQgTmlbHMgSGVpbmVuIDxuaWVsc0BGcmVlQlNELm9yZz6IXgQTEQIAHgUCQb1m
XAIbAwYLCQgHAWIDFQIDAxYCAQIeAQIXgAAKCRBhPnGqX+ObgB8fAJ9xsptfCNqT
ceHQzE6KvCAGUvTSQgCEmNrLow2tqvilcbrKyJHNwb8uace5Ag0EQbQoZRAIAMCB
AJMtUeb1EZKoeHhMia0oIfQP1u9CAEeLEcv6QhqqY/8qQdoQLpdfjXkKV5K1DcK
1nYzBatU3DIHQp0qVD1Sfm8tqV5Y42wKmlA0nM/ryJrf+9b2kx0p3Uff6PIERU
6KA9BE8a07j/bJKaA5Qfr2WNlzsV7Pvj7kyx/wCOB1zCPLZGDILCW0vYrT9rRmz0
EINBEPqJLYAFBZ3eJl+0a8lWf1ERhmF2nzz9Kr03nN5NA1iiQj3G6M3VgCmC7XX
DgDVycSt7ipFV7+2fUtRxFJgIwvkaDKsWb2vpzEcj+D7rAoGEiJmfWbBfDMB81
N9lBLHbAQ8f19pdaHiMAAWYH/ReHUKvakaHWhC02VAwYudIcTIwJ8FnZ6afU8av8
mHSZFol0ytUguxeJW4009z4TKU/9EfwT9V2HqnUQpff98YI/ysHkWuGLwplIe0N+
l2TNpIBYoYkyQwJHygqR+PaYG6X7ncICFqJTGbjFDjCPu4v+um8CNoT3dlzqYXIH
T2AX9zkS7600dRLqE1Zl684atsYQduYWdVPwh9fzER5zjwRk3My61fR7uYgpxwoc
SxZ0Q0U17s21G/pgqv/oZAPqLDuflXQ2ZG+naMfp8xMpsbJpWPF0FngkLx3VZKM8
Zx2MStJaQeOPVDjlvAbLPvOioFCUAcI062N0IcK4yV69YJyISQQYEQIACQUCbQo
ZQIbDAAKCRBhPnGqX+ObgBR1AJ4itGc8L05AY6C35TL+ilvXDp1uagCfR9Dxmg2u
9RkYrA9581i1Md2RCKU=
=x4MH
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.179. Jaakko Heinonen <jh@FreeBSD.org>

```
pub 2048R/F9A44D24949D44A4 2014-09-23 [expires: 2017-09-22]
Key fingerprint = 2DFD B93A C98C A47A 6920 1FDB F9A4 4D24 949D 44A4
uid Jaakko Heinonen (FreeBSD) <jh@FreeBSD.org>
sub 2048R/724C087956D7D3CB 2014-09-23 [expires: 2017-09-22]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

```
mQENBFQhjR8BCAD04CDHfqqpGdWjrWJXKjxrxCASt8WNyyID/kvWad1HzNMiF991
r/OYHFVGz402K0uPCqn9TKUigt9Dws3xheehymQmhvIaoorLOGm0Mr14NLacPg0
kX3jtW/Md+iez6hFhc9TCPY/fJbBGostyRYV364Fht1Y9XJGEGQBva3Fk8fLQ7xQ
T34HvgUhowRa+RaYX04ELnz0Vv/1pVWBTCbZVFkbaZH2VT04FWuJYuP9pZ0b5aB
F/K+0cXdsGhS1iRJJm/vGZGvtc3c9aKwXfTEeZvrpgiYJFEierzfsqGIdYZK9Vrf
dztzrAzmdjVMYFQVb1VPOZTumoPm6ds8cY+vABEBAAG0KkphYwtrbyBIZWlub25l
biAoRnJlZUJTRCkgPgoQEZYzWVCU0Qub3JnPokBPQQTaQoAJwUCVC0vWbAwUJ
Ba0agAULCQgHAWUVCgkICwUAWIbAAIeAQIXgAAKCRD5pE0klJ1EpCq1B/wK5f1T
sXgloT3wvHcljysBbHLtEP8tdKyalIPCEoW0BacC5Mx5+8DV8Q0nKwMBRFudGfay
YLddRg5uIykJa5x3Rkdyx1hpJxSzfY8KdcNvb3A80XDpxjAC7Vb7FYmHA+dckQ/2
XBxM4ynuJxIzmVxc3jGMz1AiB8CGmeh0BCzYYGYeffXG5jIv8nq+Ak4s2+IVRK3v
cbbA8Bvt2C/PDp6aCiy/JDEqxZf5ddCaQ0fz0oer/wyUlkl4lumIglhif1r8P9mN
g6kImIZ+YFy1NnKA8buc1qAK4Jyaj6wFr3A+v9BfWRTfvL0yLz4XnlzojswpIx9Y
8aBy1mdjUJplCcknuQENBFQhjR8BCADfoUiy23bKGRjR02C58UTgnRtdL4990dj
RS8krG/At6qECK8XtX4w5qjHPTY005VWyU7HVk6DQ7IjokNkm2TY7Uq2HdYjBtUj
yQr5Ae5vKJZQ5MiaV9RLofU25nxi2ob2rgvPNLlT0fsJ3R7dgZFCDBrkmTtoi8Ke
0IYnsqcbCGWwIZNZTeLS6Ykg24y3kADxsCcQh9i/WrnRTTSKFGVGAeD6Rxf+YNNq
/pp0k3locu5gcvX6CSUJdqf0gvQeJv8v+lvMXyBwPnX7FC5Z8kZ939LaFSs3kcU
N5/+gAREAA8o0H/lA1kiBuVgo+6Px42IyiU0IRI70dCb7H+BiT2k/ABEBAAGJASUE
GAEKAA8FAlQhjR8CGwWFCQWjmoAACgkQ+aRNJJSDrKT9iwgAgRb32jaLEAMtrKfZ
XbwBy8bSUsIG+n7WgaaTbg5DgWQ0Dz5VgHyFZDAM8ps/pSMHXL3P6fZLLrWnxcK
al9o9/uY10X+BPCLF4uH93TSM2IzYrZvHzq00V39Wi2pbnSrgYPbaQ072MvHidCG
AzldV5QRCHVUC5kENsUX75AdXm45fCJqG5F7l+Y7ij/V3TVE2MJUwBZLsPwmVtR
qUd6g2D8/6fx7MUX0IytCtkGnFogzBNdKsSAyGRg0HK1m72IcW63oPEK02VI4++W
mEv5mI1LpxQfnEGxkkNiWHV17Bbd/jXdyUChPoP3I1lq3/o2WZ6Tf5SAyRLco3Jq
Slt66A==
=wa8M
-----END PGP PUBLIC KEY BLOCK-----
```



**3.180. Jason Helfman <jgh@FreeBSD.org>**

```
pub 2048R/4150D3DC 2011-12-18 [expires: 2021-12-15]
    Key fingerprint = 8E0D C457 9A0F C91C 23F3 0454 2059 9A63 4150 D3DC
uid                               Jason Helfman <jgh@FreeBSD.org>
sub 2048R/695B1B92 2011-12-18 [expires: 2021-12-15]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQENBE7uUe0BCAC2rJ274YwwpqkG1SvbLlCdJPQqctt3ELAv/3Jhw7LJ1RjMbZs2
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NtmJJ1sfzMHecEwjiDK71XBSGSzaUqGG3x2oJBpoWuaRAUEDL7TvjZAOUTw1/1v
dXZv05+cF1LBAhsuiKSQ5IiwZlv9toq06biicQak8e27pM8XCfj5Vx/xs30tSbf
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PGpnaEBGcmVlQlNELm9yZz6JAT4EEwECACgFAk7uUe0CGwMFCRLMAwAGCwkIBwMC
BhUIAgkKCwQWAgMBAh4BAheAAAOJECBZmmNBUNPcKtEIALSkfF5Sem7A9X6f2jN3
u0/sshrmMz2irUiFvgbXp4F5vbZk58Nb3035ds3rSZ9AZ1kbrAWvXnbaMH1pyzo
bnx7HNkibErZ4UmIG8i8b9Vrtllho2iIVaHJlBEAaq30lCXzkvKeQbR1n83V4jB1
d+zeMRTz01ItxlqZajXdpIHAgopP7covZU456YvnrM16Xf3ZP0t7gJCot0dYcT0
EY97pEJQKT8CuA/j/rkSDW8GfUBb+T65L/h2zysQn8pMQf rL02+wUwYuc0QyGZSs
9mdnmZs4XQmmQUiWyzftzEMjM9KJKmJ6qhZ+Apm8UZ8snKy9jH8AWS20+SaGrgP
Ryq5A00ETu5R7QEIAKpA50r5loBPXoTa2UWp5I22MHqHlKz8wHDjyWe2yyK13hjs
VSi31Dx0KZ0K0PMD190UXzsAb54UQSZZtbKjXdJeiJpzyzh9eVEBy11tL6AC0H4o
2qWLZFU0MbxagDvfKwF6xkzIdjiPk+mBUx6AEsDUHX0aLAcMBgiuLMzof9btGgQc
oYcR63kscoNz2tx7M1pJ6Za50Eaal6DZCYkmp4yHv2xckZ1cnTH94mN5YwmlWotS
ysMUy+05qTrL5ZXn+Az1Bewo62n1pk0HWIgiogcTUipibAfLZsgI9iFEQbJns3U+C
kyQh9xiXs6I2CHTFTngG6S2a1NcFGpLsxEbVuG8AEQEAAyKBJQQYAQIADwUCTu5R
7QIbDAUJESwDAAAKCRAgWZpjQVDT3P0nB/0XZUzuA8ytqhnzKxY25Kr/Oc8wczM3
XYs4DpL1TnghePjkjDEKhcC+1qDyglk5Qmf7L/uGV7n1pLFLBLwv72LYnaAMmbOk
Xidc1LhB4YMrxc6tyFfER+ypw26FqfuvNk3QAGdQwvFQqq8dSyyA8KKDaP3ehKha
/pmEJOC80jqIp50fa7J2QMPJ/kfegsjAmBQEgqcBmt8Rb7xM7NrFkPDcWRoB75Ca
xoRV2eiDxMmNoTPDnjGyycndaa0goAhXwpoAnmxIVVHs26q0x0yoq9ZYhVgx9o/S
dAHXDxMry5RLmXqj4uDPTrUvGpxcEb0zVPBWrmoqDJE5LL0rwaQ/DXZG
=hr4n
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

**3.181. Guy Helmer <ghelmer@FreeBSD.org>**

```
pub 2048R/8F1CEBC4 2012-05-22
    Key fingerprint = 483E 9E6C C644 2520 C9FE 4E87 9989 CCAF 8F1C EBC4
uid                               Guy Helmer <guy.helmer@palisadesystems.com>
uid                               Guy Helmer <guy.helmer@gmail.com>
uid                               Guy Helmer <ghelmer@freebsd.org>
sub 2048R/2073E3F8 2012-05-22
```

```
pub 1024R/35F4ED2D 1997-01-26 Guy G. Helmer <ghelmer@freebsd.org>
    Key fingerprint = A2 59 4B 92 02 5B 9E B1 B9 4E 2E 03 29 D5 DC 3A
uid                               Guy G. Helmer <ghelmer@cs.iastate.edu>
uid                               Guy G. Helmer <ghelmer@palisadesys.com>
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
Comment: GPGTools - http://gpgtools.org
```

```
mQENBE+7tGoBCAC7+hE4BIgc5qCn78MQ4cCtCC+hHhIx1FGuJwnchrD7SprF9oPG
YYUGilxq5xdS+SIhCPWLRCZhb6iyOgnnRI31Lc0ZwU61iietn0zaT6foJi0mSwmeZ
chNseVY1jd2D8Kfj5H2mcLsL3ViBtPG2SW6ru3cWbH86fcYSSFQz0X29MoaPkV1u
WNh8nzT4ztbzEz9RHZni6z2bPxMEwDKU4H113XUK9V0xN/+XeUSVQcX1EPxqqYu
xBlzRkKbQ9WdsMMxp5S38NoQlq36n0pISIFVud0/m9HX8fhkzYtfcdb12NvBZpZ
/TQk3B5t1x/i1BR63RBPfmdqHcFyrT6m3YxABEBAAG0IUDleSBIZWxtZXIgaGd1
eS5oZWxtZXJAZ21haWwuy29tPokB00QTAQIAIwUCT7vZwgIbAwcLCQgHAwIBBhUI
AgkKCwQWAgMBAh4BAheAAAOJEmJzK+PH0vENL8H/10XQDIj6H9c2twS+F2LejHD
```

```
/ucyN1WjN/dMTH4W3adzqtPSlCnLFvzIFY9udxkHQiDY5l07WLABrP60pR0h2f6A
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EzBFbtaCtNbULPrtdXlN7y4T59wiYyixXKAS5J31i0fDh9YVkaQBfmT6grmVhunf
FyIpPo3jjiHY6JR81mtX1/P05X4oUppVJF+2nj5f5VKmBNmuLJk9w8XLA76Ct6gM
ZiFF02gBmi4xe5QnrOZZewH2zwMsPAA1Ltm3l05HLQwLaLU9vadkCFwuo30G0
IEdleSBIZWxtZXIgpGdoZwxtZXJAZnJLZwJzZC5vcmc+iQE5BBMBAGAjBQJPu9k5
AhsDBwsJCAcDAGEGF0gCCQoLBBYCAwEChgECF4AACGkQmYnMr48c68RvCAf9FANU
RoGTxm+K7VZZf/zZuiSuNtzDV+cVfRvTLIjlo+qU3z45iCTzL6ldrZbhATQz4U22
KyBlURCuPbZikec8XcKZo5j6NPe6g9bR22dgqhx0btwGZPeiMf7c3LHvuq2nQ01d
GAz8ZWwgr0KfZTqRQLhE+CJZyblX3u9PMwel39l4wXXk0aJ8lN0IqXMY0KL2YwIC
B+55ocoNFRDjoyv1mNtLRaTL1PzC1cLiImXiiT3ws3FBchb0rP80+mFRU4+4gt5X
0FrJVN3ALsnLC1NWQkAK6XGNBcakLM/feTPaEsv2GuttGvLBuaI1lTn01/B2aJlR
BA8QioJmHYg6MzygVbQrR3V5IEhLbG1lciA8Z3V5LmhLbG1lckBwYwXpc2FkZXN5
c3RlbXMuY29tPokB0wQTAQIAJQIbAwYLCQgHAwIGF0gCCQoLBBYCAwEChgECF4AF
Ak+8DFwCGQEACgkQmYnMr48c68QCkgf/faCi2pId3tPhXNFsLy7n+eWFJ3T0aLSi
7Y6mQMIFL05Q6R582zXj9sZQR2BUUFeV/TzJNJz0X7UbsgvHrAfDlxByP4R3RL5A
Av952U1Qe4CTEIAcYB4714iSdbIM5WgtKog6jYale+ZUT4zgit8vhMMjcw7Dvivi
OYFRxOKZ3bV3NCXZdkLFYLRUQUEooaUNb3tBbL9S0d2mY2NVmXxhXA8NQxRpNkWz
WXQpISbFFI8oXkRVPl5z6oLaJE1D+TTRv9juo5j4qY47yXr0FPItd+wQ0QhxwuH+
goHdJfLZ2R03tcfng+JtXCsLKYAHk/mKJXwFCVLC7l+NjTud6y4PVrkBDQRpu7Rq
AQgAwcKaIzsF0Xe5xRo8RUpTVXUnEish6KCCaQL+U4Hat3Satg/Pk+8BRI2CgJL
7GfGmSYcoRtdRYrPkv2I4yNJIvHW5CvAktUCw8IE0dav05b07Y8QUI2RkQ0yDX0a
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LHJVsbWlWu7qPsG6jx0IC/eMXZKIPsk/c+s=
=p7q+
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.182. Maxime Henrion <mux@FreeBSD.org>

```
pub 1024D/881D4806 2003-01-09 Maxime Henrion <mux@FreeBSD.org>
Key fingerprint = 81F1 BE2D 12F1 184A 77E4 ACD0 5563 7614 881D 4806
sub 2048g/D0B510C0 2003-01-09
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.2.1 (FreeBSD)
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=8gWX
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.183. Wen Heping <wen@FreeBSD.org>

```
pub 2048R/A03F07DA 2012-12-10
    Key fingerprint = 0258 F2C7 C123 E627 9E14 B4BA 270F 30AA A03F 07DA
uid          Wen Heping (wen) <wen@FreeBSD.org>
sub 2048R/CFC8D6A9 2012-12-10
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=7kGj
-----END PGP PUBLIC KEY BLOCK-----
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### 3.184. Dennis Herrmann <dhn@FreeBSD.org>

```
pub 4096R/F7CDCAA1 2012-08-26
    Key fingerprint = 0587 E730 68A6 2646 A991 505D CD9B 3A87 F7CD CAA1
uid          Dennis 'dhn' Herrmann (Everybody wants to go to heaven, but nobody
wants to die) <dhn@FreeBSD.org>
sub 4096R/0A6D554F 2012-08-26
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.185. Justin Hibbits <jhibbits@FreeBSD.org>

```

pub 2048R/37BE2DB9 2011-12-01
Key fingerprint = 8A12 7064 4F3D 339A 191D AD52 30C7 858E 37BE 2DB9
uid Justin Hibbits <chmeedalf@gmail.com>
uid Justin Hibbits <jhibbits@freebsd.org>
uid Justin Hibbits <jrh29@alumni.cwru.edu>
sub 2048R/A8DA156F 2011-12-01

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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=bC0X
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.186. John Hixson <jhixson@FreeBSD.org>

```

pub  rsa4096/46A96305BFE23D40 2018-07-23 [SC] [expires: 2023-07-22]
      Key fingerprint = 25A0 2CC1 0650 31F9 4274 203A 46A9 6305 BFE2 3D40
uid   John Hixson <john@ixsystems.com>
uid   John Hixson <jhixson@FreeBSD.org>
uid   John Hixson <jhixson@gmail.com>
uid   John Hixson <john@freenas.org>
uid   John Hixson <john@trueos.org>
sub  rsa4096/BA881F39D4C7DB9F 2018-07-23 [E] [expires: 2023-07-22]

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### 3.187. Peter Holm <pho@FreeBSD.org>

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pub 1024D/CF244E81 2008-11-17
Key fingerprint = BE9B 32D8 89F1 F285 00E4 E4C5 EF3F B4B5 CF24 4E81
uid Peter Holm <pho@FreeBSD.org>
sub 2048g/E20A409F 2008-11-17
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### 3.188. Mitchell Horne <mhorne@FreeBSD.org>

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pub rsa2048/8BF8274CE75489DF 2019-03-21 [SC] [expires: 2022-03-20]
Key fingerprint = 929F DC60 F71F 69B0 2242 F002 8BF8 274C E754 89DF
uid Mitchell Horne <mhorne@FreeBSD.org>
sub rsa2048/3B7575001B0E97C1 2019-03-21 [E] [expires: 2022-03-20]
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### 3.189. Bradley T. Hughes <bhughes@FreeBSD.org>

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pub   rsa2048/B12E03CA55A31C15 2017-05-29 [SC] [expires: 2020-05-28]
      Key fingerprint = 9580 065C 49C1 ED72 1F6D 56BA B12E 03CA 55A3 1C15
uid   Bradley T. Hughes <bhughes@freebsd.org>
uid   Bradley T. Hughes <bradleythughes@fastmail.fm>
sub   rsa2048/427A7C7D32CF6EBC 2017-05-29 [E] [expires: 2020-05-28]

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### 3.190. Michael Landin <mich@FreeBSD.org>

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pub  rsa2048/7E7525E01CB36065 2016-08-09 [SC] [expires: 2019-08-09]
      Key fingerprint = 5D1D BE96 AD39 8E71 6E77 B0D8 7E75 25E0 1CB3 6065
uid   Michael Landin <mich@prodnet.eu>
uid   Michael Landin <mich@FreeBSD.org>
sub   rsa2048/63B98AE69C6F5A08 2016-08-09 [E] [expires: 2019-08-09]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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```

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=q6io
-----END PGP PUBLIC KEY BLOCK-----
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### 3.191. Po-Chuan Hsieh <[sunpoet@FreeBSD.org](mailto:sunpoet@FreeBSD.org)>

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pub   ed25519/9A4BD10F002DD04B 2018-12-31 [SC]
      Key fingerprint = 6448 C1A7 A9BE 24CC 868E DE72 9A4B D10F 002D D04B
uid   Po-Chuan Hsieh <sunpoet@sunpoet.net>
uid   Po-Chuan Hsieh <sunpoet@FreeBSD.org>
sub   cv25519/E33F6551F35D4BAE 2018-12-31 [E]
      Key fingerprint = 2835 0E57 A5C2 A5B7 69E5 B3E9 E33F 6551 F35D 4BAE
sub   ed25519/D49B456A2CEB429C 2018-12-31 [A]
      Key fingerprint = 5C17 4004 710B 9F3C 1D53 E2DD D49B 456A 2CEB 429C
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### 3.192. Li-Wen Hsu <[lwhsu@FreeBSD.org](mailto:lwhsu@FreeBSD.org)>

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pub   rsa4096/B2EF8695EA4E8397 2018-07-04 [C] [expires: 2021-07-03]
      Key fingerprint = 6445 3195 B651 260F E643 8D4B B2EF 8695 EA4E 8397
uid   Li-Wen Hsu <lwhsu@lwhsu.org>
uid   Li-Wen Hsu <lwhsu@FreeBSD.org>
sub   rsa4096/8D7BCC7D012FD37E 2018-07-04 [S] [expires: 2021-07-03]
      Key fingerprint = C097 BEAE 9A2B 31BB A032 6F28 8D7B CC7D 012F D37E
sub   rsa4096/6A9C848810D38D2C 2018-07-04 [E] [expires: 2021-07-03]
      Key fingerprint = 6386 BABC 276C 3BA2 FA97 36D5 6A9C 8488 10D3 8D2C
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=D72N
-----END PGP PUBLIC KEY BLOCK-----
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### 3.193. Howard F. Hu <foxfair@FreeBSD.org>

```
pub 1024D/4E9BCA59 2003-09-01 Foxfair Hu <foxfair@FreeBSD.org>
    Key fingerprint = 280C A846 CA1B CAC9 DDCF F4CB D553 4BD5 4E9B CA59
uid                               Foxfair Hu <foxfair@drago.fomokka.net>
uid                               Howard Hu <howardhu@yahoo-inc.com>
sub 1024g/3356D8C1 2003-09-01
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**3.194. Wei Hu <whu@FreeBSD.org>**

```
pub  rsa2048/E6001C673CCD08F7 2015-02-27
     Key fingerprint = 351D AC21 7E16 BC06 7CA0 7705 E600 1C67 3CCD 08F7
uid      Wei Hu <whu@FreeBSD.org>
sub  rsa2048/0C7F6F103AAA0465 2015-02-27
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-----END PGP PUBLIC KEY BLOCK-----
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**3.195. Chin-San Huang <chinsan@FreeBSD.org>**

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pub  1024D/350EECFa 2006-10-04
     Key fingerprint = 1C4D 0C9E 0E68 DB74 0688 CE43 D2A5 3F82 350E ECFA
uid      Chin-San Huang (lab) <chinsan@chinsan2.twbbs.org>
uid      Chin-San Huang (FreeBSD committer) <chinsan@FreeBSD.org>
uid      Chin-San Huang (Gmail) <chinsan.tw@gmail.com>
sub  2048g/35F75A30 2006-10-04
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.196. Stephen Hurd <[shurd@FreeBSD.org](mailto:shurd@FreeBSD.org)>

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pub 2048R/B3B5A1B498CE5CD0 2014-06-11 [expires: 2017-06-10]
Key fingerprint = CA52 12EE 760A BCAA 0D5E 2974 B3B5 A1B4 98CE 5CD0
uid Stephen Hurd <shurd@FreeBSD.org>
sub 2048R/DA5C47503253C094 2014-06-11 [expires: 2017-06-10]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.197. Ilya Bakulin <[kibab@FreeBSD.org](mailto:kibab@FreeBSD.org)>

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pub rsa2048/4A2622C9259821D3 2017-09-11 [SC] [ &#1075;&#1086;&#1076;&#1077;&#1085; &#1076;&#1086;: 2020-09-10]
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&#1054;&#1090;&#1087;&#1077;&#1095;&#1072;&#1090;&#1086;&#1082; ␣  
&#1082;&#1083;&#1102;&#1095;&#1072; = AC40 A187 F282 7D82 56B8 25DE 4A26 22C9 2598 21D3  
uid Ilya Bakulin <kibab@FreeBSD.org>  
sub rsa2048/5809B95B45328612 2017-09-11 [E] [ &#1075;&#1086;&#1076;&#1077;&#1085; ␣  
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-----END PGP PUBLIC KEY BLOCK-----

### 3.198. Davide Italiano <davide@FreeBSD.org>

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pub 2048R/4CB47484 2012-01-17  
Key fingerprint = B5C9 77F5 1E67 D110 8D19 7587 EB95 EA82 4CB4 7484  
uid Davide Italiano <davide@FreeBSD.org>  
sub 2048R/91F7443D 2012-01-17
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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### 3.199. Jordan K. Hubbard <jkh@FreeBSD.org>

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pub 1024R/8E542D5D 1996-04-04 Jordan K. Hubbard <jkh@FreeBSD.org>
Key fingerprint = 3C F2 27 7E 4A 6C 09 0A 4B C9 47 CD 4F 4D 0B 20
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.200. Sevan Janiyan <sevan@FreeBSD.org>

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pub 4096R/C82DCB40533F4B3B 2015-06-12 [expires: 2019-06-12]
Key fingerprint = 9708 31B8 09EB F7C3 8AB8 176F C82D CB40 533F 4B3B
uid Sevan Janiyan <venture37@geeklan.co.uk>
uid venture37 <venture37@geeklan.co.uk>
uid Sevan Janiyan <sevan@netbsd.org>
uid Sevan Janiyan <sevan@FreeBSD.org>
sub 4096R/8CE29DC290191806 2015-06-12 [expires: 2019-06-12]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.201. Konrad Jankowski <versus@FreeBSD.org>

```
pub 1024D/A01C218A 2008-10-28
Key fingerprint = A805 21DC 859F E941 D2EA 9986 2264 8E5D A01C 218A
uid Konrad Jankowski <versus@freebsd.org>
sub 2048g/56AE1959 2008-10-28
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.202. Kurt Jaeger <pi@FreeBSD.org>

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pub 4096R/2A4392E050E8798D 2014-04-24 [expires: 2022-06-18]
    Key fingerprint = FD38 1F8F 1360 2A49 26D4 4CF3 2A43 92E0 50E8 798D
uid                               Kurt Jaeger <pi@FreeBSD.org>
sub 4096R/2FC3A793B283D724 2014-04-24 [expires: 2022-06-18]

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.203. Weongyo Jeong <weongyo@FreeBSD.org>

```
pub 1024D/22354D7A 2007-12-28
Key fingerprint = 138E 7115 A86F AA40 B509 5883 B387 DCE9 2235 4D7A
uid Weongyo Jeong <weongyo.gmail.com>
uid Weongyo Jeong <weongyo@freebsd.org>
sub 2048g/9AE6DAEE 2007-12-28
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.204. Peter Jeremy <peterj@FreeBSD.org>

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pub rsa4096/1D9214A2699F8CB2 2014-03-11 [SC] [expires: 2020-03-20]
Key fingerprint = D8CE A5F2 F7C8 78E0 0297 8B94 1D92 14A2 699F 8CB2
uid Peter Jeremy (preferred) <peter@rulingia.com>
uid Peter Jeremy <peter.jeremy@auug.org.au>
uid Peter Jeremy <peterj@freebsd.org>
uid Peter Jeremy <peterjeremy@acm.org>
uid [jpeg image of size 4183]
sub rsa4096/E0E07EC247C92CA8 2014-03-11 [E] [expires: 2020-03-20]
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sub rsa4096/16A597A0E4A20B34 2014-03-12 [S] [expires: 2020-03-20]

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N07idt3uGytUCnjFpdvyHsXMgH/so9aMcRmFRQutr1Fjh02ax+Ac+nrvTsfj9ELh
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/Bg1KLuZroEghkxute6fAuRKNxhjadcnJjnmqIvSEzUA/QAH4nsM3gcVXyUHeu7j
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ftdCRZMvnZr2+cBNMlpcWYLDpoZTB1sGpfZG1wuSv5Uzbjy4kdxlPyhzzB5YlD
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3WIpJw4zZiELntVWym7Ym/yuk1ZR7FWU8aFcB590IWzUyH+YlH431gfSscrLBHkw
zZiEecDE051S5ECPSPFF4nSrdMJ1utTiQwsu
=p1g0
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.205. Tatuya JINMEI <jinmei@FreeBSD.org>

```

pub 1024D/ABA82228 2002-08-15
Key fingerprint = BB70 3050 EE39 BE00 48BB A5F3 5892 F203 ABA8 2228
uid JINMEI Tatuya <jinmei@FreeBSD.org>
uid JINMEI Tatuya <jinmei@jinmei.org>
uid JINMEI Tatuya (the KAME project) <jinmei@isl.rdc.toshiba.co.jp>
sub 1024g/8B43CF66 2002-08-15

```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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mQGIBD1b+Q4RBACetpZD+bWytVmQ3Itmu0ZBF6FVYUQUKS30ZmvsZHxxqq1+u
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+vMZw0VeByn79Lpmm2nu/F0D/3NN4e8ZtLTbUJxJb/hHhLz0r8XahZCqsNF2bj0C
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EiwBfVRXzP10MDHhQh0NvT8pyA4ex/BflaeFem9HItrjfojdqEUYVAACceAdLQLG
MknWA/4hfAAp+dPcU8iHmd7AemuGo0hu5AAKbp2S4vwozJEFiv67wD/+WFXVggUx
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0jFUCgCgn/3mQxdXTA6S0LFFsisaxsIXIW0P0pJTK1FSSBUYXR1eWegKHRoZSBL
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QzGMdgoBC1d55jXXiEYEGBECAAYFAj1b+RAACgkQWJLyA6uoIigNBwCgsUFgZMfR
sEyYw4cWwBNhtqE9wAnRf9BFkzpn3ZyD+NBkjx2INcitoD
=ISn8
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.206. Michael Johnson <ahze@FreeBSD.org>

```
pub 1024D/3C046FD6 2004-10-29 Michael Johnson (FreeBSD key) <ahze@FreeBSD.org>
   Key fingerprint = 363C 6ABA ED24 C23B 5F0C 3AB4 9F8B AA7D 3C04 6FD6
uid                               Michael Johnson (pgp key) <ahze@ahze.net>
sub 2048g/FA334AE3 2004-10-29
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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```
EJ+Lqn08BG/WFK0AnjdWbXG7slwI8u1W+7uRsuH6NXMAJ9r+6Br6mLEtsoWrMeI  
IlhG1mVq6A==  
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.207. Mark Johnston <markj@FreeBSD.org>

```
pub  rsa4096/D5F19F287539B0D9 2015-06-27 [expires: 2020-06-25]  
    Key fingerprint = B35E AF99 18C4 36C8 1746 A8EB D5F1 9F28 7539 B0D9  
uid  Mark Johnston <markj@FreeBSD.org>  
sub  rsa4096/A41F65E8198861C5 2015-06-27 [expires: 2020-06-25]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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LSI0WdsDz8SoCTU=  
=Lmpv  
-----END PGP PUBLIC KEY BLOCK-----
```



**3.208. Trevor Johnson <trevor@FreeBSD.org>**

```
pub 1024D/3A3EA137 2000-04-20 Trevor Johnson <trevor@jppj.net>
   Key fingerprint = 7ED1 5A92 76C1 FFCB E5E3 A998 F037 5A0B 3A3E A137
sub 1024g/46C24F1E 2000-04-20
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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vYMIa/9btsMQD/7QA9p/m50P4sfdVdNCZ32tJ534bMjDYyf/P8k7QzvDWU8f7Lbk
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BBgRagAGBQI4/moiAAoJEP3Wgs6PqE3PKYAnikfYo//UA7/jrDuTXzqPmi/Un5f
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-----END PGP PUBLIC KEY BLOCK-----
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**3.209. Tom Jones <thj@FreeBSD.org>**

```
pub  rsa4096/F93797EE461CFB44 2018-04-04 [SC] [expires: 2021-04-07]
   Key fingerprint = 04C3 7D94 BE2F A7D5 97CE B2DA F937 97EE 461C FB44
uid      Tom Jones <tom@erg.abdn.ac.uk>
uid      Tom Jones <tj@enoti.me>
uid      Tom Jones <thj@freebsd.org>
uid      Tom Jones <jones@sdf.org>
sub  rsa4096/2C283C90C65B3DC2 2018-04-04 [S] [expires: 2021-04-07]
sub  rsa4096/45D8110A5EF36A69 2018-04-04 [E] [expires: 2021-04-07]
sub  rsa4096/74C5F04C84C07FEA 2018-04-04 [A] [expires: 2021-04-07]
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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### 3.210. Matt Joras <mjoras@FreeBSD.org>

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pub   rsa2048/2C6A6CC114C8452F 2017-07-20 [SC] [expires: 2020-07-19]
      Key fingerprint = 09D6 82BA 15B1 C6E5 FFF1 6CBE 2C6A 6CC1 14C8 452F
uid   Matt Joras <mjoras@FreeBSD.org>

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sub  rsa2048/6E246E33D1C375F3 2017-07-20 [E] [expires: 2020-07-19]
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### 3.211. Eric Joyner <erj@FreeBSD.org>

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pub  rsa4096/96F0C6FD61E05DE3 2015-01-28 [SC] [expires: 2021-02-05]
Key fingerprint = C5FA EC74 96D2 C61B C548 FA37 96F0 C6FD 61E0 5DE3
uid  Eric Joyner <erj@erj.cc>
uid  Eric Joyner <eric.joyner@intel.com>
uid  Eric Joyner <erj@freebsd.org>
uid  Eric Joyner <ricera10@gmail.com>
uid  [jpeg image of size 5419]
sub  rsa4096/D2427EB089BCF21B 2015-01-28 [E] [expires: 2021-02-05]
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### 3.212. Allan Jude <allanjude@FreeBSD.org>

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.213. Tom Judge <tj@FreeBSD.org>

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pub 2048R/81E22216 2012-05-27 [expires: 2017-05-26]
Key fingerprint = 8EF8 36C8 44A6 9576 6ADB EB0E 4252 33DC 81E2 2216
uid Tom Judge <tom@tomjudge.com>
uid Tom Judge <tjudge@sourcefire.com>
uid Tom Judge <tj@freebsd.org>
sub 2048R/2CA4AA0D 2012-05-27 [expires: 2017-05-26]
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### 3.214. Alexander Kabaev <kan@FreeBSD.org>

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pub  rsa4096/0713229992792E7E 2015-06-05 [expires: 2018-06-05]
      Key fingerprint = C5F7 D995 99B6 41E1 3C51 5691 0713 2299 9279 2E7E
uid   Alexander Kabaev <kan@freebsd.org>
uid   Alexander Kabaev <kan@fb.com>
uid   Alexander Kabaev <kabaev@gmail.com>
sub   rsa4096/BB68B7A439D5FFAC 2015-06-05 [expires: 2025-06-02]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.215. Benjamin Kaduk <bjk@FreeBSD.org>

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pub 3104R/28D9A6F364EB7512 2013-12-24 [expires: 2015-12-24]
Key fingerprint = D961 95E0 4D80 45FF 4160 FD17 28D9 A6F3 64EB 7512
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uid Benjamin Kaduk <bjk@FreeBSD.org>
uid Benjamin Kaduk <kaduk@mit.edu>
sub 3104R/BE2F61FDB528443D 2013-12-24 [expires: 2015-12-24]
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### 3.216. Poul-Henning Kamp <phk@FreeBSD.org>

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### 3.217. Sergey Kandaurov <pluknet@FreeBSD.org>

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pub 2048R/10607419 2010-10-04
    Key fingerprint = 020B EC25 7E1F 8BC5 C42C 513B 3F4E 97BA 1060 7419
uid          Sergey Kandaurov (freebsd) <pluknet@freebsd.org>
uid          Sergey Kandaurov <pluknet@gmail.com>
sub 2048R/5711F73B 2010-10-04
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### 3.218. Coleman Kane <cokane@FreeBSD.org>

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pub 1024D/C5DAB797 2007-07-22
    Key fingerprint = FC09 F326 4318 E714 DE45 6CB0 70C4 B141 C5DA B797
uid                               Coleman Kane (Personal PGP Key) <cokane@cokane.org>
uid                               Coleman Kane (Personal PGP Key) <cokane@FreeBSD.org>
sub 2048g/5C680129 2007-07-22
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### 3.219. Mike Karels <karels@FreeBSD.org>

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pub rsa2048/8CCF69ECC5CF284F 2016-06-16 [SC] [expires: 2022-08-31]
    Key fingerprint = EAB9 5249 B48A A991 130D 6746 8CCF 69EC C5CF 284F
uid                               Michael Karels <karels@freebsd.org>
sub rsa2048/B4CE5C0549FFC668 2016-06-16 [E] [expires: 2022-08-31]
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3.220. Takenori KATO <kato@FreeBSD.org>

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pub 4096R/3CF9ACE7 2012-10-02
Key fingerprint = 5B72 AEF9 B2F9 069D 54FE CF60 444F 91C8 3CF9 ACE7
uid KATO Takenori <kato@FreeBSD.org>
uid KATO Takenori <kato@nendai.nagoya-u.ac.jp>
sub 4096R/1C593356 2012-10-02
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### 3.221. Josef Karthauer <joe@FreeBSD.org>

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### 3.222. Vinod Kashyap <vkashyap@FreeBSD.org>

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pub 1024R/04FCCDD3 2004-02-19 Vinod Kashyap (gnupg key) <vkashyap@freebsd.org>
Key fingerprint = 9B83 0B55 604F E491 B7D2 759D DF92 DAA0 04FC CDD3

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### 3.223. Patrick Kelsey <pkelsey@FreeBSD.org>

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pub  rsa4096/ADE1EBB059F1D1CE 2017-06-05 [expires: 2020-06-04]
Key fingerprint = EF68 C6CC 60E6 6C5A 7896 E925 ADE1 EBB0 59F1 D1CE
uid  Patrick J Kelsey <kelsey@ieee.org>
uid  Patrick J Kelsey <pkelsey@freebsd.org>
sub  rsa4096/E880A4E060DE2D08 2017-06-05 [expires: 2020-06-04]

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.224. Piotr Kubaj <pkubaj@FreeBSD.org>

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pub  rsa2048/3CEB181743F18659 2019-04-15 [SC] [expires: 2022-04-14]
     Key fingerprint = 0096 5421 A659 CCD5 2A01 127A 3CEB 1817 43F1 8659
uid  Piotr Kubaj <pkubaj@FreeBSD.org>
sub  rsa2048/078ED20061C6926B 2019-04-15 [E] [expires: 2022-04-14]

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### 3.225. Kris Kennaway <kris@FreeBSD.org>

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pub 1024D/68E840A5 2000-01-14 Kris Kennaway <kris@citusc.usc.edu>
Key fingerprint = E65D 0E7D 7E16 B212 1BD6 39EE 5ABC B405 68E8 40A5
uid Kris Kennaway <kris@FreeBSD.org>
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sub 2048g/03A41C45 2000-01-14 [expires: 2006-01-14]
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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### 3.226. Giorgos Keramidas <keramida@FreeBSD.org>

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pub 1024D/318603B6 2001-09-21
Key fingerprint = C1EB 0653 DB8B A557 3829 00F9 D60F 941A 3186 03B6
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.227. Max Khon <[fjoe@FreeBSD.org](mailto:fjoe@FreeBSD.org)>

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pub 1024D/6B87E212 2009-02-17
    Key fingerprint = 124D EC6C 6365 D41A 497A 9C3E FCF3 8708 6B87 E212
uid                               Max Khon <fjoe@FreeBSD.org>
uid                               Max Khon <fjoe@samodelkin.net>
sub 2048g/CB71491D 2009-02-17
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.228. Manolis Kiagias <[manolis@FreeBSD.org](mailto:manolis@FreeBSD.org)>

```
pub 1024D/6E0FB494 2006-08-22
    Key fingerprint = F820 5AAF 7112 2CDD 23D8 3BDF 67F3 311A 6E0F B494
uid                               Manolis Kiagias <manolis@FreeBSD.org>
uid                               Manolis Kiagias <sonicy@otenet.gr>
uid                               Manolis Kiagias (A.K.A. sonic, sonicy, sonic2000gr) <sonic@diktia.org>
sub 2048g/EB94B411 2006-08-22
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.229. Stephen J. Kiernan <stevek@FreeBSD.org>

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pub  rsa4096/2EA3D5636556C92C 2016-06-10 [SC] [expires: 2019-06-10]
      Key fingerprint = BE84 33CF D6B9 9C8A C762 28ED 2EA3 D563 6556 C92C
uid   Stephen J. Kiernan <steve@novexsolutions.com>
uid   Stephen J. Kiernan <stevek@juniper.net>
uid   Stephen J. Kiernan <steve@vegamuse.org>
uid   Stephen J. Kiernan <hackagadget@gmail.com>
uid   Stephen J. Kiernan <stevek@freebsd.org>
sub   rsa4096/822AD1C921AC180A 2016-06-10 [E] [expires: 2019-06-10]

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=lCdq
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.230. Jung-uk Kim <jkim@FreeBSD.org>

```
pub 2048R/FCDBF146 2013-09-24 [expires: 2023-12-31]
    Key fingerprint = 9756 EA80 A691 CAA7 D65E EFC2 7C9F 9626 FCDB F146
uid                               Jung-uk Kim <jkim@FreeBSD.org>
sub 2048R/501598FB 2013-09-24 [expires: 2023-12-31]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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```

```
=apmV
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.231. Zack Kirsch <[zack@FreeBSD.org](mailto:zack@FreeBSD.org)>

```
pub 1024D/1A725562 2010-11-05 Zack Kirsch <zack@freebsd.org>
    Key fingerprint = A8CC AA5E FB47 A386 E757 A2B8 BDD2 0684 1A72 5562
sub 1024g/6BFE2C06 2010-11-05
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.232. Jakub Klama <[jceel@FreeBSD.org](mailto:jceel@FreeBSD.org)>

```
pub 2048R/2AAEA67D 2011-09-27
    Key fingerprint = 40D6 097A 174F 511B 80EB F3A3 0946 4193 2AAE A67D
uid Jakub Klama <jceel@FreeBSD.org>
sub 2048R/5291BC4D 2011-09-27
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.233. Andreas Klemm <[andreas@FreeBSD.org](mailto:andreas@FreeBSD.org)>

```
pub 1024D/6C6F6CBA 2001-01-06 Andreas Klemm <andreas.klemm@eu.didata.com>
Key fingerprint = F028 D51A 0D42 DD67 4109 19A3 777A 3E94 6C6F 6CBA
uid Andreas Klemm <andreas@klemm.gtn.com>
uid Andreas Klemm <andreas@FreeBSD.org>
uid Andreas Klemm <andreas@apsfilter.org>
sub 2048g/FE23F866 2001-01-06
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.234. Kai Knoblich <[kai@FreeBSD.org](mailto:kai@FreeBSD.org)>

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pub rsa4096/F4B376E08A3D37EC 2019-01-30 [SC] [expires: 2022-01-29]
Key fingerprint = 24B1 7A6D 0CF2 4E04 7BF5 FD9A F4B3 76E0 8A3D 37EC
uid Kai Knoblich (kai@FreeBSD.org) <kai@FreeBSD.org>
sub rsa4096/83AB0542BC2F64BC 2019-01-30 [E] [expires: 2022-01-29]
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### 3.235. Johann Kois <jkois@FreeBSD.org>

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pub 1024D/DD61C2D8 2004-06-27 Johann Kois <J.Kois@web.de>
    Key fingerprint = 8B70 03DB 3C45 E71D 0ED4 4825 FEB0 EBEF DD61 C2D8
uid                               Johann Kois <jkois@freebsd.org>
sub 1024g/568307CB 2004-06-27

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### 3.236. Sergei Kolobov <sergei@FreeBSD.org>

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pub 1024D/3BA53401 2003-10-10 Sergei Kolobov <sergei@FreeBSD.org>
    Key fingerprint = A2F4 5F34 0586 CC9C 493A 347C 14EC 6E69 3BA5 3401
uid          Sergei Kolobov <sergei@kolobov.com>
sub 2048g/F8243671 2003-10-10

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-----END PGP PUBLIC KEY BLOCK-----

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**3.237. Vladimir Kondratyev** <[wulf@FreeBSD.org](mailto:wulf@FreeBSD.org)>

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pub  rsa2048/836BBE2070295F75 2017-05-02 [SC] [expires: 2020-05-01]
     Key fingerprint = 9309 C9AA 8988 C07F EC89 5125 836B BE20 7029 5F75
uid                               Vladimir Kondratyev <vladimir@kondratyev.su>
uid                               Vladimir Kondratyev <wulf@FreeBSD.org>
sub  rsa2048/0C710B4482108464 2017-05-02 [E] [expires: 2020-05-01]
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**3.238. Maxim Konovalov** <[maxim@FreeBSD.org](mailto:maxim@FreeBSD.org)>

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pub  4096R/9C5E7FA2F54977D4 2020-01-06 [expires: 2023-01-09]
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dJwblvxayVKdg0aVw/RwDs0LH0twVxwn0PSjLPEB2IwGnLX6rN38cRnibPXMyh4L
saVRdhbFe9aNd/05iNgDcQtCUg==
=692S
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.239. Taras Korenko <taras@FreeBSD.org>

```

pub 1024D/8ACCC68B 2010-03-30
     Key fingerprint = 5128 2A8B 9BC1 A664 21E0 1E61 D838 54D3 8ACC C68B
uid          Taras Korenko <taras@freebsd.org>
uid          Taras Korenko <ds@ukrhub.net>
uid          Taras Korenko <tarasishche@gmail.com>
sub 2048g/8D7CC0FA 2010-03-30 [expires: 2015-03-29]

```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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mQGibEuyDPQRBAcLuLqogLkae6WFGyvw6JQ5J670eCEbey6vtH6xpb8DLeJR4VDC
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q8QugNyEQvCY5Fjv50krIj8A0EDt9820w/bt78Kl026Jzqmg77QdVGFyYXMGs29y
ZW5rbyA8ZHNAAdWyaHViLm5ldD6IYgQTEQIAIgiBawYLCQgHAWIGFQgCCQoLBBYC
AwEChgECF4FAkwjCfEACgkQ2DhU04rMxoufqwCaAsi0A/6LMNrT5UsXoPnL/WZQ
M74AoNLInd8Jk/uJinoIjz0QdJs7+wQfiGgEEcACgFAkuyDPQCgWmFCQlMAYAG
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ug2Nn6GmYkLM6wAUAJ4vYU15T3Xq9Rt72F4iq/Tmb9HiLQlVGFyYXMGs29yZW5r
byA8dGFyYXNpc2hjaGVAZ21haWwuy29tPohiBBMRagAiAhsDBgsJCAcDagYVCAIJ
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Mj8TW9/cPWFUfXbRA7MEusx+h4hiBBMRagAiBQJLtcLvAhsDBgsJCAcDagYVCAIJ
CgsEFGIDAQIeAQIXgAAKCRDY0FTTiszGi+U+AJ9cYLWPHrsh24iCVlopHKfLdlaI

```

```
4wCdG3zN13yfxr4d2WUoRGC0Wh0LwIqIYgQTEQIAIgUCS7XXLgIbAwYLCQgHAWIG
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FV07XLL506+h+4LpbFJz71eLCSjjgVdok06Z3X+HjUKn12vL/0X7hZCUsRD6MheJ
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EsKTn7/B
=meSB
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.240. Tobias Kortkamp <tobik@FreeBSD.org>

```
pub  rsa2048/A4F09FB73CC51F61 2017-02-13 [SC] [expires: 2022-05-01]
     Key fingerprint = 957B D310 973A 78F8 1D42 EA1B A4F0 9FB7 3CC5 1F61
uid  Tobias Kortkamp <tobik@FreeBSD.org>
sub  rsa2048/CB30D0C27F086269 2017-02-13 [E] [expires: 2022-05-01]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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mQENBFihli8BCAC1SL4Nn8sSS3ekajI2FwU/0flIpi3K7Vju3ag80G0dG1enN58H
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dqXt1sy4gqyEzLfMtbhW/Da2PruV7mvud2WhSUHk4+tR0Wn6B/pLhFaefrbbkI0
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=75Rj
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.241. Joseph Koshy <jkoshy@FreeBSD.org>



```
pub 1024D/D93798B6 2001-12-21 Joseph Koshy (FreeBSD) <jkoshy@freebsd.org>
    Key fingerprint = 0DE3 62F3 EF24 939F 62AA 2E3D ABB8 6ED3 D937 98B6
sub 1024g/43FD68E9 2001-12-21
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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/U63eqkAnjKz2Lxj14N8QYtbtFThZRB5fq5cuQENBDwi3GIQBAC79Y5tcPi18bzD
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Zh0uEF/uql7IDKMqC0fsVvRf8cZfNwAECwP/UvxNG/RU0LOhdRo3hY3H5L7zmaCi
AwwU6Z+LxDn+fwERX7wL5rasafilr7/9VvGADfeLpxKR0kZM1eKYPtrilzS6Zm5a
CC+QVvyoTcb+x0mWForq6FxDf7+l/00TuEG7V0H4RgLaT2N33yoScEvxdB/Qo4w
Knt39F7lYjzbvGIRqYEQIABgUCPCLcYgAKCRCruG7T2TeYth30AKCzp2KXBqsa
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=a9D2
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.242. Wojciech A. Koszek <[wkoszek@FreeBSD.org](mailto:wkoszek@FreeBSD.org)>

```
pub 1024D/C9F25145 2006-02-15
    Key fingerprint = 6E56 C571 9D33 D23E 9A61 8E50 623C AD62 C9F2 5145
uid                               Wojciech A. Koszek <dunstan@FreeBSD.czyst.pl>
uid                               Wojciech A. Koszek <wkoszek@FreeBSD.org>
sub 4096g/3BBD20A5 2006-02-15
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
```

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mQGIBEPzLgCRBADVxGiWQYCSd/HJfQI958sIFwxgfaFLyKaD4u8yhdG6s7S0z6mR
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8R0DA/4o0up4kfkwkdM7FGbFy5arNR/Zbe51dsgkA4aPPn3MymIBR1Tb4z+M0uHya
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9ecjDM+Vok/R0sGkuFRUfD7XBI1mG1KJwnxZYM8aRYCERTRoXDThoJwUoHzwVn9y
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```

```

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=sg8v
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.243. Alex Kozlov <ak@FreeBSD.org>

```

pub 2048R/0D1D29A0 2012-03-01 [expires: 2024-02-27]
    Key fingerprint = 7774 4FCF 6AC9 126B BD0E DBF3 5EBF 4968 0D1D 29A0
uid                               Alex Kozlov <ak@freebsd.org>
sub 2048R/2DD82C65 2012-03-01 [expires: 2024-02-27]

```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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pqYekr6fod0QkwJxdopfBHGLUyh7aHUWii0AEQEAAYkBJAQAQIADwUCT09DMAIb
DAUJFo5qAAAKCRBev0lDR0poDDXB/dd0a8+TBg5aU0oVPQ+bDA60b7sRb0rmrn+
hB1mXpdMtI0kHnJxUUI6R33tlfD2XE9P89oFyDxi0KjLFLAs6Rj9fCzp3EijARzu
7EUl9+Guo9p4jA0iQ0e52XN+Qz+eYa3SLDj/A3Ql2hbp7jWka8xtM32oyC5nAL1Z
YRx+p9eVNT1UwwQkpiYg8VviSZZQBVoig9h1mLzkzDj6EmE0aI78L/MjtJV4Gvcy
tn0QaaYzTPIYUVbm269WnbuRaNbVdw3u0yhgV40KaWjTpx6Ngv7EMJ8+SK74udGk
nejHYo4sCxR0s2Je3yo1hYgrVxj/8tNWj8Phl6nWoSssGpbdI0s=
=iXGb
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.244. Svatopluk Kraus <skra@FreeBSD.org>

```

pub  rsa2048/B00691EEA480A803 2015-10-26 [expires: 2018-10-25]
    Key fingerprint = 04ED 6504 A0EF 9890 8CD3 86C2 B006 91EE A480 A803
uid                               Svatopluk Kraus <skra@freebsd.org>
uid                               Svatopluk Kraus <onwahe@gmail.com>
sub  rsa2048/A5545C0A04691FFC 2015-10-26 [expires: 2018-10-25]

```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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mQENBFYuSyEBCADJ6tTGsLWIE1TuER+Bqw/PPIWjZooBmwvxqjruU4KoyLW8xCUT
YaJsHidR300/nMu7yamuyRpvE5jeFW3d/P818qsCpgmsXKV6/4YnMbWpDbcA0SB0
D/aQTRRYU0N0EJOFXMLXan7w+3IrbHixXDuGplIE9dM5J0EBJ5yrfSP0L9Z1NXHv
CHemr/+c1ZR7I2+OpDyQC9VXNfiACJ3EpM74N4P0Z3ayxFDnHw6Q0HP0th4Jh3qw
OGD0shD8tvFkzRfeNUWJ/NVTcab3culdZrbH7/hdaiAqGqWg/GcAwP5dBeZxSxJi
obuM88NwJfQmC90aQ0w/pN77yCUKbLHmbW9tABEBAAG0ILN2YXRvcGx1ayBLcmF1
cyA8b253YWhlQGdtYWlsLmNvbT6JAT0EEWAKACcFALYUySyECGwMFCQWjmoAFCwkI
BwMFFQoJCAFFgMCAQACHgECF4AAcGkQsAaR7qSAqAN0nAf/cw1zcxBj7XbRRKC
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TeuS0t02L+yrfYUVGoS6Kag04hVoDL7r47yZgYwnTo9ksHM4MKA/aubhtmeJxGM
l1dRrEA0rMDLQ097DivWkjQT379uGjDYC6vHbEQdsAU3yOv303BW2A5nmjxRcH+
Jk8AJ7QiU3ZhdG9wbHVRiEtyYXVzIDxza3JhQGZyZWvic2Qub3JnPokBPQQTaQoA
JwUCVjJ0JgIbAwUJBA0agAULCQgHAWUVCgkICwUWAwIBAAIEAQIXgAAKRCrCwBpHu
pICoA/kxB/4ilZFMn8XAin60W377aKtsul1lgiWV0qHRLc/eIKv05o2F8S+4q0Sa
xN4/Wwn9H6S1p9pLEmZ/voAoxNgn73WEHn5/NixyGKHhFsyiJHkxcF7CU/HwCOCH
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/evVemI25egTIIWkhJsh7YRI3G1Jp905L+I07rSiv/qaWAJgis4F8FqtFJhq0F5M
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CL3EB1CZau7BsEM3crykDs431IAFijKSuQENBFYuSyEBCAC5LgiLET1v3aJKKIP0
rZHWJ3J0A9pBKBNxrDv9xH17AbjSIDowYtjxaU4F1U/LeZwNF8VCB4nwY1GLN7q
T1D6ofMRNFYth/JYRuTTN2pGlo8b0g9HGFvhHLCc0TT0sn62YEU/Ug22+MiTxAb3
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70/1dMBb2h5z50APcKxcccGcM6E9PNbESp0czM12/i0CDqoQccLXI6BK/bNQFVPb
DtD5ABEBAAGJASUEGAEKAA8FALYUySyECGwMFCQWjmoAACGkQsAaR7qSAqANqmggA
jgcMf0VvlzPBDWxqNIwtD7tdY4paqTw+LcyKeqmh+EE9eBzqZ5C5s0GwCw2b02P/
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umntgIzrGHLjVEux/0o3g+atouKLzLiAaYfoi5BLugGa2DxvkYwrBXwRXrce7Hu
QZVdkh74YLXPNwnEGSzoPBRlKtL68MkpkRa9q6M7bFpeIJNY1SiTviTfASJC/S+
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/nVLYgGothGhWgneb04/Wg==
=L2Zf
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.245. Steven Kreuzer <skreuzer@FreeBSD.org>

```
pub   rsa2048/F528158459D71EE7 2015-05-01 [SC] [expires: 2020-09-20]
       Key fingerprint = 1DB8 2B72 1C60 E59E 946A FF7F F528 1584 59D7 1EE7
uid   Steven Kreuzer <skreuzer@freebsd.org>
uid   Steven Kreuzer <skreuzer@exit2shell.com>
uid   Steven Kreuzer <steven@kreuzer.cx>
sub   rsa2048/540AD5219F26626F 2015-05-01 [E]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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mQENBFVDgCYBCADPw0GwQHRVcUxvPzy7y4GI4Fzi9TT9GDxouMhScSa5uS1QR6m4
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zzFSGX1XUSTkBPozLEy2KHiH6Dr7XL/FqLTtG0krF+PUauKKWzAG4Qo52sWwZMwq
bF81vSt0pDTClrjCb9GqUIpbDVtTRCt1R0REVxcBgm+gSJDHlZrSjRP0mCIXS7Fb
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is8llwmxxn4X3lptpf0AEUq8oV7fyYwZrvzmbABEBAAG0KFN0ZXZlbiBLcmV1emVy
IDxza3JldXplckbleGl0MnNoZWxsLmNvbT6JAVQEEWAIAD4CGwMFCwKIBwIGFQgJ
CgsCBBYCAwEChgECF4AWIQQduCtyHGDlnpRq/3/1KBWEwdce5uUCwCQwXAUJCiRK
tgAKCRD1KBWEwdce5/beCAC6ylwdZdi3BfDck1nLGLnzUpqpvyc01fRkuHcDvZp
lZeJtDNyDbTZG0vbkGp7BoQbFORdB90nPLVnpeeWnpv1DJL9a3his6/Py+fq76oB
WSqYZkME+ql6RfizzdW7ZZxe1aw1FHMykRD/jeYitUtRw3cTDta3/ovsj6ByknSk
ppVfKt8VPKaAw5pL4PFKF+9DP5T2bXQaZYQxeYj179rhzSzegNeyPAqQI7YyIexS
8TNxVsgmoZfhe0rPrXl4Zy7q4kLXZsvyl2CbYUw2l4pHBLuqZ/wZnmvZKtm7v8w9
```

```

MxMcQt+c//bi/2WUXVA0RfT0N0RrG2VSuzdzixUG9GYjtCVTdGV2ZW4gS3JldXpL
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CgkQ9SgVhFnXHue4cQf6AqH74JQIQdJskVz3mMR9rLQgPRBV/8dcHcZr7fE+jyuA
9NL1lg17AXGGLMnwa7jFz8bVjli69W+6kx3SxssyDLAD+bRq4ZX1t6vIE4n+C9+
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tWwBvj5kVwc2pPsWkHoEIw5ECB9Qe7KXx/eDhUDFgUhuQW0bvHjam480bu1dq7vK
xozrpn8dZPFwTFdA00D8EaJ3WxxD9bzQzFhFia3hb7QiU3RldmVuiEtyZXV6ZXIg
PHN0ZXZlbnkrcmV1emVlMn4PokBVAQTAQgAPgIbAuwLcQgHAgYVCAKkCwIEFgID
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HBfoQDEjt2KIS0sE9bp1wSsACLUgxzf2Lm7RFiDbkpb4pYmTvmjvn2Qf6V0kZA40
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=Ilx7
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.246. Gábor Kövesdán <gabor@FreeBSD.org>

```

pub 1024D/2373A6B1 2006-12-05
Key fingerprint = A42A 10D6 834B BEC0 26F0 29B1 902D D04F 2373 A6B1
uid Gabor Kovsdan <gabor@FreeBSD.org>
sub 2048g/92B0A104 2006-12-05

```

-----BEGIN PGP PUBLIC KEY BLOCK-----

```

mQGiBEV1zhcRBAC4T9pbx3J+/0qY5k3IVGMGpI31SZHwt00ijDBA3V0mIOUpty/E
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TxVBZJ4xERWsk3nJH4B/GKKD/20ddbTHSTBUbpuLmo0UNBcrnIEYPRCDvF/e07yz
sp3KJemegDPewBoy6bF9R8HKVgSEx/jdMSZNeMeA0pAKDLtUyTNJRgzVwqu+Sg0j
GT8IzhLNFaZ7wiKoA0yRhGb77C3IPzjSbc0I9A3vn9DKStWfdtjTIOxh7Fx9+H5
c5z9A/9++L0F8L9VPHUNi4h/L/jE6CWSZgeTUIIMkSwALrochNi9xIr+kS5pPxUPZ
MHVdG0+gK3wNLD6KqBnHB65wWbb85fukY9y4YgEv0+TjpPwkbwLABKtt7cf7RA1
mYtYStb0edPBAE8Y89cAcmQ4a4ViJFwFSTLJorAAy73pVns7ibQiR2Fib3Igs292
ZXNkYW4gPgDhYm9yQEZYzWVCU0Qub3JnPohgBBMRAGAgBQJFdc4XAhsDBgsJCAcD
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iwnZpzcAni9084/VZ5iAad6I1o81cGFx9GtuQINBEV1ziAQCADQBlmiWzGtaAem
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XFPymLQQtLDRtyz31QPCQXnI2CD2yswSdrHID/LuBDx+24vA2NyGy7WdUmSchnE
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w3Hx2jCig6P95jIKyiTjKv5ZqcUuwEwK/nK6M4o8x7QqWLaFh6x/wfsb9Gays+K
wT448Xhi05c0nUuKyFXXzaNRgGe/G+fxpxqEjmgP5y2NjB+KG/h4/Am25h9YlM+P
EYq8QMxwYS+3TpfCMmgngTYmegNZpbQ32nJYKnxn9j58sLqgp7BjekgAYi79z+Zx
0HoeGPiehGLdymo5jaiTCZfTB5CRMyndbvXUp18hdAEG72q5D7JH8yic0ANHUd
NdMIcDxTJcHnDQeXdrVWGTQmt4iuwfwkLmiEkEGBECAAkFAKV1ziACGwwACgkQ

```

```
kC3QTyNzprFoGQCfZdGmD7cQFoCW1DBGmNj9A05WmQAOIM4BtFriXvx3Tov88ES
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=jLzS
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.247. Ana Kukec <[anchie@FreeBSD.org](mailto:anchie@FreeBSD.org)>

```
pub 2048R/510D23BB 2010-04-18
    Key fingerprint = 0A9B 0ABB 0E1C B5A4 3408 398F 778A C3B4 510D 23BB
uid      Ana Kukec <anchie@FreeBSD.org>
sub 2048R/699E4DDA 2010-04-18
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EHekW7RRDS07B1gH/3I75IRwB9AAEQRYIoGJW4/vPB2CQ0juG2XX657wzgdZL8uD
E8Lb4zQJa1RtSj8Ma/Qx+cL7BNWypZAUirXrhZiVdAjvnQ87Cyw2bjZ1w4zsv1Qm
mbKT6TmfMuGQLUjno0wdRh77TfyLirKsXx1535UY6gH3YFAiZaf5H4yosC49tizF
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=R9q
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.248. Roman Kurakin <[rik@FreeBSD.org](mailto:rik@FreeBSD.org)>

```
pub 1024D/C8550F4C 2005-12-16 [expires: 2008-12-15]
    Key fingerprint = 25BB 789A 6E07 E654 8E59 0FA9 42B1 937C C855 0F4C
uid      Roman Kurakin <rik@FreeBSD.org>
sub 2048g/D15F2AB6 2005-12-16 [expires: 2008-12-15]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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DhBmKzhufDBkgTndpC2SU0h5mwkF09Xo1goVMn5DTbQfRfNff7QfUm9tYW4gS3Vy
YwtpbiA8cmLrQEZYzWVCU0Qub3JnPohmBBMRAGAmBQJDopIpAhsDBQkFo5qABgsJ
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```



```
HGwWRDPjzjsAn0IJZGFmUIeTegcmtpu0lNv6nMUIEiEYEEBECAAYFAK0jJ6YACgkQ
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M0acY9bIiEYEEBECAAYFAK0jvw0ACgkQryLc73j0EF8XvQCfWcxEwIwZ4eZld/Qf
eB1hsxJeDxUAnA/ft0sZtbG4o299udw71y57GHMPiEYEEBECAAYFAK0j44IACgkQ
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### 3.249. Hideyuki KURASHINA <[rushani@FreeBSD.org](mailto:rushani@FreeBSD.org)>

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pub 1024D/439ADC57 2002-03-22 Hideyuki KURASHINA <rushani@bl.mmtr.or.jp>
    Key fingerprint = A052 6F98 6146 6FE3 91E2 DA6B F2FA 2088 439A DC57
uid                               Hideyuki KURASHINA <rushani@FreeBSD.org>
uid                               Hideyuki KURASHINA <rushani@jp.FreeBSD.org>
sub 1024g/64764D16 2002-03-22
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Version: GnuPG v1.2.1 (FreeBSD)
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### 3.250. Jun Kuriyama <kuriyama@FreeBSD.org>

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pub 1024D/EE3C4DBBF3B59CD 1998-11-23
   Key fingerprint = 5219 55CE AC84 C296 3A3B B076 EE3C 4DBB FE3B 59CD
uid                               Jun Kuriyama <kuriyama@s2factory.co.jp>
uid                               Jun Kuriyama <kuriyama@s2factory.co.jp>
uid                               Jun Kuriyama <kuriyama@imgsrc.co.jp>
uid                               Jun Kuriyama <kuriyama@FreeBSD.org>
uid                               Jun Kuriyama <kuriyama@jp.FreeBSD.org>
sub 2048g/6D4BA0651CF20D27 1998-11-23

pub 4096R/524A24526282600F 2017-03-27
   Key fingerprint = 2946 27AD 0A49 697F 622D D59C 524A 2452 6282 600F
uid                               Jun Kuriyama <kuriyama@imgsrc.co.jp>
uid                               Jun Kuriyama <kuriyama@FreeBSD.org>
uid                               Jun Kuriyama <kuriyama@s2factory.co.jp>
sub 4096R/0E6143E9FE522B48 2017-03-27
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.251. Gleb Kurtsov <gleb@FreeBSD.org>

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pub 2048R/C2A8382F0952092D 2013-11-02 [expires: 2016-11-01]
    Key fingerprint = D1F6 F20B BB68 06AD D051 4BD5 C2A8 382F 0952 092D
uid                               Gleb Kurtsov <gleb@FreeBSD.org>
uid                               Gleb Kurtsov <gleb.kurtsov@gmail.com>
sub 2048R/E628ECBAC4622293 2013-11-02 [expires: 2016-11-01]
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### 3.252. René Ladan <rene@FreeBSD.org>

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pub rsa4096/ADBBF8610A3789B7 2012-11-18 [SC] [expires: 2022-01-14]
    Key fingerprint = 101A 716B 162B 00E5 5BED EA05 ADBB F861 0A37 89B7
uid                               René Ladan <rene@freebsd.org>
sub rsa4096/CB77BE03B67184C6 2012-11-18 [E] [expires: 2022-01-14]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.253. Julien Laffaye <[jlaffaye@FreeBSD.org](mailto:jlaffaye@FreeBSD.org)>

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pub 2048R/6AEBE420 2011-06-06
Key fingerprint = 031A B449 B383 5C3B B618 E2F4 BAD0 0F0E 6AEB E420
uid Julien Laffaye <jlaffaye@FreeBSD.org>
sub 2048R/538B8D5B 2011-06-06
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### 3.254. Clement Laforet <[clement@FreeBSD.org](mailto:clement@FreeBSD.org)>



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### 3.256. Dan Langille

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### 3.258. Ganael Laplanche <martymac@FreeBSD.org>

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=VNnr
-----END PGP PUBLIC KEY BLOCK-----
```

**3.260. Frank J. Laszlo** <laszlof@FreeBSD.org>

```
pub 4096R/012360EC 2006-11-06 [expires: 2011-11-05]
    Key fingerprint = 3D93 21DB B5CC 1339 E4B4 1BC4 AD50 C17C 0123 60EC
uid                               Frank J. Laszlo <laszlof@FreeBSD.org>
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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**3.261. Dru Lavigne** <dru@FreeBSD.org>

```
pub 1024D/C6AA2E94 2013-01-22
    Key fingerprint = 6CC4 2180 F27C 29B6 5A9C EC0D A454 DC05 C6AA 2E94
uid                               Dru Lavigne <dru@freebsd.org>
sub 1024g/7FAC82EA 2013-01-22
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.262. Sam Lawrance <[Lawrance@FreeBSD.org](mailto:Lawrance@FreeBSD.org)>

```
pub 1024D/32708C59 2003-08-14
    Key fingerprint = 1056 2A02 5247 64D4 538D 6975 8851 7134 3270 8C59
uid                               Sam Lawrance <lawrance@FreeBSD.org>
uid                               Sam Lawrance <boris@brooknet.com.au>
sub 2048g/0F9CCF92 2003-08-14
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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```
-----END PGP PUBLIC KEY BLOCK-----
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### 3.263. Nate Lawson <[njl@FreeBSD.org](mailto:njl@FreeBSD.org)>

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pub 1024D/60E5AC11 2007-02-07
    Key fingerprint = 18E2 7E5A FD6A 199B B08B E9FB 73C8 DB67 60E5 AC11
uid                               Nate Lawson <nate@root.org>
sub 2048g/CDBC7E1B 2007-02-07
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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=y01b
-----END PGP PUBLIC KEY BLOCK-----
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### 3.264. Jeremie Le Hen <jlh@FreeBSD.org>

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pub 2048D/8BF6CF92 2012-04-18
Key fingerprint = 66C9 B361 16CA BFF6 5C07 DA0A 28DE 3702 8BF6 CF92
uid Jeremie Le Hen <jeremie@le-hen.org>
uid Jeremie Le Hen <jeremie@lehen.org>
uid Jeremie Le Hen <ttz@chchile.org>
uid Jeremie Le Hen <jlh@FreeBSD.org>
sub 2048g/045479A3 2012-04-18
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.265. Yen-Ming Lee <leeym@FreeBSD.org>

```

pub 1024D/93FA8BD6 2007-05-21
    Key fingerprint = DEC4 6E7F 69C0 4AC3 21ED EE65 6C0E 9257 93FA 8BD6
uid                               Yen-Ming Lee <leeym@leeym.com>
sub 2048g/899A3931 2007-05-21

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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=xi0T
-----END PGP PUBLIC KEY BLOCK-----
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### 3.266. Sam Leffler <[sam@FreeBSD.org](mailto:sam@FreeBSD.org)>

```
pub 1024D/BD147743 2005-03-28
     Key fingerprint = F618 F2FC 176B D201 D91C 67C6 2E33 A957 BD14 7743
uid  Samuel J. Leffler <sam@freebsd.org>
sub 2048g/8BA91D05 2005-03-28
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.267. Jean-Yves Lefort <[jylefort@FreeBSD.org](mailto:jylefort@FreeBSD.org)>

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pub 1024D/A3B8006A 2002-09-07
     Key fingerprint = CC99 D1B0 8E44 293D 32F7 D92E CB30 FB51 A3B8 006A
uid  Jean-Yves Lefort <jylefort@FreeBSD.org>
uid  Jean-Yves Lefort <jylefort@brutele.be>
sub 4096g/C9271AFC 2002-09-07
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### 3.268. Greg Lehey <grog@FreeBSD.org>

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### 3.269. Oliver Lehmann <oliver@FreeBSD.org>

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### 3.270. Alexander Leidinger <netchild@FreeBSD.org>

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uid      Alexander Leidinger <netchild@FreeBSD.org>
uid      [jpeg image of size 9696]
sub 4096R/F37CBE8CE11D33C3 2018-10-07 [expires: 2021-10-06]
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### 3.271. Breno Leitao <leitao@FreeBSD.org>

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.272. Andrey V. Elsukov <ae@FreeBSD.org>

```

pub 2048R/10C8A17A 2010-05-29
    Key fingerprint = E659 1E1B 41DA 1516 F0C9 BC00 01C5 EA04 10C8 A17A
uid                               Andrey V. Elsukov <ae@freebsd.org>
uid                               Andrey V. Elsukov <bu7cher@yandex.ru>
sub 2048R/0F6D64C5 2010-05-29

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.273. Dejan Lesjak <lesi@FreeBSD.org>

```

pub 1024D/96C5221F 2004-08-18 Dejan Lesjak <lesi@FreeBSD.org>
    Key fingerprint = 2C5C 02EA 1060 1D6D 9982 38C0 1DA7 DBC4 96C5 221F
uid                               Dejan Lesjak <dejan.lesjak@ijs.si>
sub 1024g/E0A69278 2004-08-18

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-----END PGP PUBLIC KEY BLOCK-----
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3.274. Achim Leubner <achim@FreeBSD.org>

```
pub 2048R/2E15B3C1 2013-01-22
Key fingerprint = 2A48 0317 D477 2A07 2AD9 CF1C 7C1D 832E 2E15 B3C1
uid Achim Leubner <achim@freebsd.org>
sub 2048R/E275EF01 2013-01-22
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-----END PGP PUBLIC KEY BLOCK-----
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**3.275. Chuck Lever <cel@FreeBSD.org>**

```
pub 1024D/8FFC2B87 2006-02-13
    Key fingerprint = 6872 923F 5012 F88B 394C 2F69 37B4 8171 8FFC 2B87
uid                               Charles E. Lever <cel@freebsd.org>
sub 2048g/9BCE0459 2006-02-13
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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**3.276. Don "Truck" Lewis <truckman@FreeBSD.org>**

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pub 2048R/B082B167EC3362D8 2014-02-20 [expires: 2017-02-19]
    Key fingerprint = 7016 6C9F 3B88 E5E9 E7C7 E056 B082 B167 EC33 62D8
uid                               Don "Truck" Lewis <truckman@FreeBSD.org>
sub 2048R/76F1C2A82FEBF95E 2014-02-20 [expires: 2017-02-19]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.277. Greg Lewis <glewis@FreeBSD.org>

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pub 1024D/1BB6D9E0 2002-03-05 Greg Lewis (FreeBSD) <glewis@FreeBSD.org>
Key fingerprint = 2410 DA6D 5A3C D801 65FE C8DB DEEA 9923 1BB6 D9E0
uid Greg Lewis <glewis@eyesbeyond.com>
sub 2048g/45E67D60 2002-03-05
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.278. Qing Li <qingli@FreeBSD.org>

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pub rsa2048/F67236810BB1CB98 2018-12-27 [SC] [expires: 2021-12-27]
Key fingerprint = 46F8 339A 8C5C 3B13 7314 8786 F672 3681 0BB1 CB98
uid Qing Li <qingli@freebsd.org>
sub rsa2048/768E9EB15482337B 2018-12-27 [E] [expires: 2021-12-27]
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### 3.279. Xin Li <delphij@FreeBSD.org>

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pub   rsa4096/95B6181B2D33E9EC 2013-10-03 [SCA] [expires: 2018-10-02]
      Key fingerprint = 0E1A 6039 BFD2 1F02 DD1B BFF5 95B6 181B 2D33 E9EC
uid   Xin Li <d@delphij.net>
uid   Xin Li <delphij@FreeBSD.org>
uid   Xin Li <delphij@delphij.net>
sub   rsa4096/7D0C88F036C2299B 2013-10-03 [E] [expires: 2018-10-02]

pub   rsa4096/40797F7C95F4834F 2018-09-07 [SC] [expires: 2023-10-31]
      Key fingerprint = 71E3 60E4 D10C 6489 22F3 49D0 4079 7F7C 95F4 834F
uid   Xin LI <delphij@FreeBSD.org>
uid   Xin LI <delphij@gmail.com>
uid   Xin LI <delphij@delphij.net>
uid   Xin LI <d@delphij.net>
sub   rsa4096/D185FCB4F534A88B 2018-09-07 [E] [expires: 2023-10-31]
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.280. Tai-hwa Liang <avatar@FreeBSD.org>

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pub 1024R/F4013AB1 1998-05-13 Tai-hwa Liang <avatar@FreeBSD.org>
Key fingerprint = 5B 05 1D 37 7F 35 31 4E 5D 38 BD 07 10 32 B9 D0
uid Tai-hwa Liang <avatar@mmlab.cse.yzu.edu.tw>

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### 3.281. Ying-Chieh Liao <ijliao@FreeBSD.org>

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pub 1024D/11C02382 2001-01-09 Ying-Chieh Liao <ijliao@CCCA.NCTU.edu.tw>  
Key fingerprint = 4E98 55CC 2866 7A90 EFD7 9DA5 ACC6 0165 11C0 2382  
uid Ying-Chieh Liao <ijliao@FreeBSD.org>  
uid Ying-Chieh Liao <ijliao@csie.nctu.edu.tw>  
uid Ying-Chieh Liao <ijliao@dragon2.net>  
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sub 4096g/C1E16E89 2001-01-09
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Comment: For info see http://www.gnupg.org  
  
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### 3.282. Ryan Libby <rlibby@FreeBSD.org>

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pub 2048R/A20FFBFBDF35FD57 2016-07-11 [expires: 2020-06-12]
    Key fingerprint = 9849 809F 64AD 4250 32BF 7975 A20F FBBF DF35 FD57
uid                                     Ryan Libby <rlibby@gmail.com>
uid                                     Ryan Libby <rlibby@FreeBSD.org>
sub 2048R/7D8F4693B660FE97 2016-07-11
    Key fingerprint = E70A 9C90 A595 62F9 2AC8 E503 7D8F 4693 B660 FE97
sub 2048R/2354FB7E60023CBC 2017-06-12 [expires: 2020-06-11]
    Key fingerprint = 77CD 6F72 4EA8 89DC 3ADE 2FD1 2354 FB7E 6002 3CBC

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.283. Kurt Lidl <lidl@FreeBSD.org>

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pub   rsa2048/9808DFE7C2CA3ABA 2015-10-22 [expires: 2018-10-21]
      Key fingerprint = 4A2D 4BC0 9C8D 6D58 4B96 96E9 9808 DFE7 C2CA 3ABA
uid   Kurt Lidl <lidl@FreeBSD.org>
uid   Kurt Lidl <lidl@pix.net>
sub   rsa2048/A53F68D4F0D10479 2015-10-22 [expires: 2018-10-21]

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### 3.284. Nikolai Lifanov <lifanov@FreeBSD.org>

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pub  rsa4096/67AB2FE7A79C4745 2016-12-13 [SC] [expires: 2019-12-13]
      Key fingerprint = E684 FA4D CB9A 5AF1 B982 D8F3 67AB 2FE7 A79C 4745
uid          Nikolai Lifanov <lifanov@FreeBSD.org>
sub  rsa4096/E4BE9FB8F164980E 2016-12-13 [E] [expires: 2019-12-13]

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### 3.285. Ulf Lilleengen <lulf@FreeBSD.org>

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pub 1024D/ADE1B837 2009-08-19 [expires: 2014-08-18]
    Key fingerprint = 3822 B4E6 6D1C 6F71 4AA8 7A27 ADDF C400 ADE1 B837
uid                               Ulf Lilleengen <lulf.lilleengen@gmail.com>
uid                               Ulf Lilleengen <lulf@pvv.ntnu.no>
uid                               Ulf Lilleengen <lulf@stud.ntnu.no>
uid                               Ulf Lilleengen <lulf@FreeBSD.org>
uid                               Ulf Lilleengen <lulf@idi.ntnu.no>
sub 2048g/B5409122 2009-08-19 [expires: 2014-08-18]

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### 3.286. Clive Lin <clive@FreeBSD.org>

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pub 1024D/A008C03E 2001-07-30 Clive Lin <clive@tongi.org>
    Key fingerprint = FA3F 20B6 A77A 6CEC 1856 09B0 7455 2805 A008 C03E
uid                               Clive Lin <clive@CirX.ORG>
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sub 1024g/03C2DC87 2001-07-30 [expires: 2005-08-25]

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Version: PGP Key Server 0.9.6

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### 3.287. Po-Chien Lin <pcclin@FreeBSD.org>

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pub 4096R/865C427F 2013-02-05
    Key fingerprint = CF3B AB13 4C94 6388 B047 B599 8B28 1692 865C 427F
uid                               Po-Chien Lin <pcclin@FreeBSD.org>
uid                               Po-Chien Lin <linpc@cs.nctu.edu.tw>
sub 4096R/F31280BA 2013-02-05

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### 3.288. Yi-Jheng Lin <yzlin@FreeBSD.org>

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pub      2048R/A34C6A8A 2009-07-20
          Key fingerprint = 7E3A E981 BB7C 5D73 9534 ED39 0222 04D3 A34C 6A8A
uid      Yi-Jheng Lin (FreeBSD) <yzlin@FreeBSD.org>
sub      2048R/B4D776FE 2009-07-20

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### 3.289. Mark Linimon <linimon@FreeBSD.org>

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pub      1024D/84C83473 2003-10-09
          Key fingerprint = 8D43 1B55 D127 0BFC 842E 1C96 803C 5A34 84C8 3473
uid      Mark Linimon <linimon@FreeBSD.org>
uid      Mark Linimon <linimon@lonesome.com>
sub      1024g/24BFF840 2003-10-09

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### 3.290. Tilman Keskinöz <arved@FreeBSD.org>

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pub  rsa4096/6CBE6EB6774D2A3 2013-09-24 [SC] [expires: 2020-03-26]
     Key fingerprint = 4E07 0A2C F66B B844 7E9B A25B 6CBE B6EB 6774 D2A3
uid  Tilman Keskinöz <arved@FreeBSD.org>
uid  Tilman Keskinöz <arved@arved.at>
sub  rsa4096/E651E6CC8CD560FB 2013-09-24 [E] [expires: 2020-03-26]
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### 3.292. Tong Liu <nemoliu@FreeBSD.org>

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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.293. Kevin Lo <kevlo@FreeBSD.org>

```
pub rsa2048/B3A1FFA311EB8D74 2016-08-17 [SC] [&#21040;&#26399;: 2031-08-14]
&#37329;&#38000;&#25351;&#32011; = 4AFF A126 9306 314C 968F C63A B3A1 FFA3 11EB 8D74
uid Kevin Lo <kevlo@FreeBSD.org>
sub rsa2048/A48BDAE5E9EA493B 2016-08-17 [E] [&#21040;&#26399;: 2031-08-14]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQENBFevzCIBCADBeE7nJmLGGJz72uksa/YXuM33Ro2FIMqWIu6Rhjtl+mausov0
9/lwyaLHoYbA0VYG23Xczu8K/uLUYfrxiqqn0ySWGUF+zyW/6MwmhcoMzjEDlr7d
v8t7LXYOMXwfn3q/oJ7x5WT6MCjAvC4dRC0apXIA+Nl4r+I4207mfMaRZgKRe7G
sBs2I/pbaLlnV7MD03vPYdEi+2EQ+0tGvTqV7VHAWKnAZawyKP/YhVp9bxFOBJu3
4QmP6GG5ek7YrEP17o0U4MD9rr19z8Ilb/nxD6VmgCNAa6usg3XioYt45Y7a0ve5
tpm8roZjucjIwbf8sAyw0qtSGFY7aFtNOBQTABEBAAG0HEtldmluIExvIDxrZXZs
b0BGcmVlQ1NELm9yZz6JAT0EEwEKACcFAleZvCICGwMFCRwyBIAFCwkIBwMFFQoJ
CAsFFgMCAQACHgECF4AACGkQs6H/oxHrjXSQyggAiBekHQI5qnxpxTEpApzD4wC/
14QzU0+t5ZFes77Qe4aZ4uSRzp/3J/d28/Zh5YMIgx6/51XEm2+BTU13mexXVfIT
vjJocg8pRwaf25CCDHqK0pTG5IoIXJvUAvRa00KwuuHQXa/w03iP0zaYDAAgH4MN
qTfsN7mjQvbaUvA2yU3IujfeZs0HCdKhZ8N/YE0HJ1uZrDSgHfMiPKIXzFuM861h
BkIEpPYP2JBpbrPhnSCLeC0PH3Te0QAqVa5p7UdmYj1o0D3L/M0ZV4PDpAaDsCZM
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mqkgqaCAhmf5GphFvMANsM6qKpA4xqw1McYBb3bufHGZTR29nX7GBTatrkDJZ24
ONT15XvNEzrnAW9MUHeeNvMzdFsfxxa0wkmVgHmljMLJC70VQ+ZU09zRhVwpVW4
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UQuRnbFd0j4SM9PKf1eUJfQeKu7Xbw2IpoTAEkBT1YdfL+lg/Q4NZ7QgQjGNp5V
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=sLQg
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.294. Zachary Loafman <[zml@FreeBSD.org](mailto:zml@FreeBSD.org)>

```
pub 1024D/4D65492D 2009-05-26
    Key fingerprint = E513 4AE9 5D6D 8BF9 1CD3 4389 4860 D79B 4D65 492D
uid          Zachary Loafman <zml@FreeBSD.org>
sub 2048g/1AD659F0 2009-05-26
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
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WRko6Z+lfzILBr+simnAUX2v9mIxfnkg8mEN5/rMc4r0da49Vbcdc0aFEwCg4/or
HctUnKwa6r+ArXlZ8bXlX4sD/2A3JzXegkrD6L0wGA/StqNhu0lad6ZzpvJGpr1n
gsYX5ihLaYuxBBWk1ech3Rm8G0jvs0pmcc5YTtjb37n/YU9WYoKcmpJukdEYNeSZ
BQPi7jVXUb3joJob0T1LFYjr0X8/Mo0gIxPI7RBM27G5Uarxe0RPF8r94bUxEqMb
SkghA/9KqKfXHB7suex09930tM4fTcnJjCfarcL8qpB0QLYLAP2Q3IGZpjE39Bmy
tnDNwrZ/8jZrJxBttZ5Fjt01pvMAEpfVHm+QNhEQB0qpyN4jmy0svmSjd4YL5ZZQ
hUhuPS/dtIn0NvWvBm0HbsoKdrGoUPO2EuMW1pCm/0i7xHGctLQhWmfjaGFyeSBM
b2FmbWfuIDx6bWxARnJLZUJTRC5vcmciGAEExECACAFakocVOYCGwMGCwkIBwMC
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JM5jcrP6ghT2qufHF9PukKwkmNRJJgvAbgSgLi9dWkMymmpo0LsKfKmn0Vcy34tV
704K7J00BHob6Gi9vMXLYkBUPIJcn8BALbZi0WRR/D5bB+0HucjJpEp6LHXYihkX7
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```

```
+FztFoI=
=isE1
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.295. Juergen Lock <[nox@FreeBSD.org](mailto:nox@FreeBSD.org)>

```
pub 1024D/1B6BFBFD 2006-12-22
    Key fingerprint = 33A7 7FAE 51AF 00BC F0D3 ECCE FAFD 34C1 1B6B FBFD
uid                               Juergen Lock <nox@FreeBSD.org>
sub 2048g/251229D1 2006-12-22
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQGibEWMwFERBAC6P55NRpt7PWHQk3e3cp6yAYpxsNH4TyMZUNKFjE9E+g4GDe1F
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CAMEFgIDAQIeAQIXgAAKCRD6/TTBG2v7/bkFAJ9/NodQJ3G3mLhNkT/rv4ncgp0V
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cru/N6Qz/kfB6+Ufy2nXcYMMaD2c4MiSUSV6pF08s+xx8oqh6DiGdPvdJQ19ZAdw
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g1MAAwUH/2Tjn6E3LTPX7ceMUKVyJR0/0sS7/r8nX8hPRmX/cnnoHTtY0Q1S2F9J
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d1Y=
=E5fg
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.296. Remko Lodder <[remko@FreeBSD.org](mailto:remko@FreeBSD.org)>

```
pub rsa4096/71358ED63F774079 2012-11-11 [SCEA] [expires: 2020-12-30]
    Key fingerprint = 7EE4 C4AF DCA3 E0B4 479B A344 7135 8ED6 3F77 4079
uid                               Remko Lodder <remko@elvandar.org>
uid                               Remko Lodder <remko@FreeBSD.org>
uid                               Remko Lodder <remko.lodder@snow.nl>
sub rsa4096/A8C3DBB259F38CB0 2012-11-11 [SEA] [expires: 2020-08-18]
sub rsa4096/B9C36C7DF15E576C 2016-12-29 [E] [expires: 2020-12-29]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQINBFCf95oBEACz4PPTc2UpVgNdSDcuTYsMvyZeyeEgdcz57Xyogxfhnwd0SPE1
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ye2oHAeUcKjRGXrSBWAnzMuy7iYdFMTU9TSfib9ZeuEB/rDKb/BaorKHMVMtR4H
GZS9+00v/BYe8d4ZDLF20o67fFdqC7dzHiImr0yu8bFZ9ba4oKcJ1pLs5A45edfv
TXLWAezexPcEigJQuDK6CHBH0bKeBwkzaon3mo5TV/KD3w28xXmBZzP/2rawfoc7
IovQQDPgruRLi6y0ffG0g9JMAA55Ev+actcVnD74ySqvH0JxyeKmw9gnkqoTFtcH
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```



1Zkocx07HS3FBeEKAs5obS5DkkvN7SzcHJ8njbCIKzQkqt0z2N9HwKkcjcGqTbz  
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t4MIItt4T727Tntukx5ag6y1LR2XLweGDye/4gi5TbUymeLumGqysMbEhQARAQAB  
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sRCSstpQq/dbo4UeE1EgHdcH+8nQAItBTv+V7+FNwPsHmQumT3G9BEVY7JWhTgF9H  
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cwiAABWVvGfFe0cGxMz5p6/SJRH0XdiWJawuaxQGTJxcruC/YkRip+DwcS9AIX9  
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+a8d0JAd9osTCBhQXzVPSWhZrjaHP3fbWxrBE0X4JFgZog/Z4acK1TVIYIH5E5L  
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ZFtCsXtXmjNE/Dub4KmlQqjdWEtPtQfas6LCXWs30uSdJFMoejC73Wxugv2gdmDK  
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### 3.298. Isabell Long <issyl0@FreeBSD.org>

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.299. Scott Long <[scottl@FreeBSD.org](mailto:scottl@FreeBSD.org)>

```

pub 1024D/017C5EBF 2003-01-18 Scott A. Long (This is my official FreeBSD key) ☞
<scottl@freebsd.org>
Key fingerprint = 34EA BD06 44F7 F8C3 22BC B52C 1D3A F6D1 017C 5EBF
sub 1024g/F61C8F91 2003-01-18

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Version: GnuPG v1.2.1 (FreeBSD)

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### 3.300. Jonathan T. Looney <jtl@FreeBSD.org>

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pub  rsa4096 2018-07-25 [SC] [expires: 2021-08-01]
      0C68 9394 8808 F05B 5C04 22FF 713B 7DE9 198E F455
uid  [ultimate] Jonathan T. Looney <jonlooney@gmail.com>
uid  [ultimate] Jonathan T. Looney <jtl@freebsd.org>
uid  [ultimate] Jonathan T. Looney <jtl@netflix.com>
sub  rsa4096 2018-07-25 [E] [expires: 2021-08-01]
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Comment: Run FreeBSD! - http://www.freebsd.org
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.301. Leandro Lupori <luporl@FreeBSD.org>

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pub  rsa2048/E216525581588363 2019-01-08 [SC] [expires: 2022-01-07]
      Key fingerprint = C4B5 2A9B 17C7 F7BF BD14 2CBD E216 5255 8158 8363
uid          Leandro Lupori <luporl@freebsd.org>
sub  rsa2048/9FDFD0227E484C12 2019-01-08 [E] [expires: 2022-01-07]

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.302. Wojciech Macek <[wma@FreeBSD.org](mailto:wma@FreeBSD.org)>

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pub   rsa2048/BA2FD88965AA1A7F 2016-01-20 [expires: 2019-01-19]
      Key fingerprint = 09F2 3360 D512 C987 B4D8 1AE8 BA2F D889 65AA 1A7F
uid                                 Wojciech Macek <wma@FreeBSD.org>
sub   rsa2048/F074ACB7E5B3B33A 2016-01-20 [expires: 2019-01-19]
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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.303. Rick Macklem <[rmacklem@FreeBSD.org](mailto:rmacklem@FreeBSD.org)>

```
pub   1024D/7FB9C5F1 2009-04-05
      Key fingerprint = B9EA 767A F6F3 3786 E0C7 434A 05C6 70D6 7FB9 C5F1
uid                                 Rick Macklem <rmacklem@freebsd.org>
sub   1024g/D0B20E8A 2009-04-05
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.304. Vincenzo Maffione <[vmaffione@FreeBSD.org](mailto:vmaffione@FreeBSD.org)>

```

pub  rsa2048/2941E976E849FF43 2018-03-18 [SC] [expires: 2021-03-17]
      Key fingerprint = 3E3B 1905 113B 9C77 3C87 2F94 2941 E976 E849 FF43
uid  Vincenzo Maffione <v.maffione@gmail.com>
sub  rsa2048/266621AA1953E49B 2018-03-18 [E] [expires: 2021-03-17]

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=z+LK
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.305. Bruce A. Mah <[bmah@FreeBSD.org](mailto:bmah@FreeBSD.org)>

```

pub  rsa2048/4984910A8CAEE8A 2014-01-17 [SC] [expires: 2020-01-02]
      Key fingerprint = F85A 3820 4369 F71A 34D4 4E83 4984 910A 8CAA EE8A
uid  Bruce A. Mah <bmah@kitchenlab.org>
uid  Bruce A. Mah <bmah@es.net>

```

OpenPGP Keys

```
uid Bruce A. Mah <bmah@acm.org>
uid Bruce A. Mah <bmah@ieee.org>
uid Bruce A. Mah <bmah@freebsd.org>
sub rsa2048/3FE58165F851A044 2014-01-17 [E] [expires: 2020-01-02]
Key fingerprint = 32E2 00DA A25D A8B2 87F1 7CC3 3FE5 8165 F851 A044
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**3.306. Ruslan Makhmatkhanov** <rm@FreeBSD.org>

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pub 2048R/F60D756F 2011-11-10
    Key fingerprint = 9D18 8A88 304C B78B 8003 0379 4574 0BAF F60D 756F
uid                               Ruslan Makhmatkhanov <rm@FreeBSD.org>
sub 2048R/B658C269 2011-11-10
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**3.307. Mike Makonnen** <mtm@FreeBSD.org>

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pub 1024D/7CD41F55 2004-02-06 Michael Telahun Makonnen <mtm@FreeBSD.Org>
    Key fingerprint = AC7B 5672 2D11 F4D0 EBF8 5279 5359 2B82 7CD4 1F55
uid                               Michael Telahun Makonnen <mtm@tmsa-inc.com>
uid                               Mike Makonnen <mtm@identd.net>
uid                               Michael Telahun Makonnen <mtm@acs-et.com>
sub 2048g/E7DC936B 2004-02-06
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.308. David Malone <dwmalone@FreeBSD.org>

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pub 4096R/214C82C2361FD728 2013-08-07
Key fingerprint = 7759 C5C6 F872 7269 4A8A FEFF 214C 82C2 361F D728
uid David Malone <dwmalone@maths.tcd.ie>
uid David Malone <David.Malone@nuim.ie>
uid David Malone <dwmalone@FreeBSD.org>
uid David Malone <dwmalone@dwmalone.net>
uid [jpeg image of size 9564]
sub 4096R/770F33478DF59E7B 2013-08-07

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### 3.309. Dmitry Marakasov <amdmi3@FreeBSD.org>

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### 3.310. John Marino <marino@FreeBSD.org>

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pub 2048R/A0AE6229 2011-07-19
Key fingerprint = EE48 4F90 C861 3A5F E39E AB9E 33CF 4190 A0AE 6229
uid John Marino (DragonFly) <draco@marino.st>
uid John R. Marino <john.secure@marino.st>
uid John Marino (NetBSD) <marino@netbsd.org>
sub 2048R/71D9FB68 2011-07-19
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### 3.311. Koop Mast <kwm@FreeBSD.org>

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pub 4096R/BF4E2D5B3B9D8847 2014-01-31 [expires: 2016-01-31]
Key fingerprint = F986 EDE2 B3EC 4098 7820 E1D7 BF4E 2D5B 3B9D 8847
uid Koop Mast <kwm@FreeBSD.org>
uid Koop Mast <kwm@rainbow-runner.nl>
sub 4096R/19C3701D1BE7F671 2014-01-31 [expires: 2016-01-31]
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### 3.312. Ed Maste <emaste@FreeBSD.org>

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pub  rsa4096/C6F5A1102002FBDF 2017-12-04 [SC] [expires: 2020-12-03]
     Key fingerprint = DA51 3FC9 889B 37BA 4387 BD9F C6F5 A110 2002 FBDF
uid          Ed Maste <emaste@freebsd.org>
sub  rsa4096/BE917E71357DB691 2017-12-04 [E] [expires: 2020-12-03]

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.313. Cherry G. Mathew <cherry@FreeBSD.org>

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pub 2048R/2D066FE1 2007-05-22
Key fingerprint = FBF1 89FF 81BB E1C7 6C1B 378D 3438 20E9 2D06 6FE1
uid Cherry G. Mathew (FreeBSD email) <cherry@FreeBSD.org>
uid "Cherry G. Mathew" (NetBSD email) <cherry@NetBSD.org>
sub 2048R/7B2C4166 2007-05-22

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.314. Makoto Matsushita <[matusita@FreeBSD.org](mailto:matusita@FreeBSD.org)>

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pub 1024D/20544576 1999-04-18
Key fingerprint = 71B6 13BF B262 2DD8 2B7C 6CD0 EB2D 4147 2054 4576
uid Makoto Matsushita <matusita@matatabi.or.jp>
uid Makoto Matsushita <matusita@FreeBSD.org>
uid Makoto Matsushita <matusita@jp.FreeBSD.ORG>
uid Makoto Matsushita <matusita@ist.osaka-u.ac.jp>
sub 1024g/F1F3C94D 1999-04-18
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### 3.315. Martin Matuska <mm@FreeBSD.org>

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pub   rsa4096/EC560C81CEC2276E 2019-12-21 [SC] [expires: 2022-12-20]
      Key fingerprint = A5A4 5B12 AD92 D964 B89E EE2D EC56 0C81 CEC2 276E
uid   Martin Matuska <mm@FreeBSD.org>
uid   Martin Matuska <martin@matuska.org>
sub   rsa4096/26759B2C1AAAFF1E 2019-12-21 [E] [expires: 2022-12-20]
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### 3.316. Sergey Matveychuk <[sem@FreeBSD.org](mailto:sem@FreeBSD.org)>

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pub 1024D/B71F605D 1999-10-13
    Key fingerprint = 4704 F374 DB28 BEC6 51C8 1322 4DC9 4BD8 B71F 605D
uid          Sergey Matveychuk <sem@FreeBSD.org>
uid          Sergey Matveychuk <sem@ciam.ru>
uid          Sergey Matveychuk <sem@core.inec.ru>
sub 2048g/DEAF9D91 1999-10-13
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### 3.317. Stephen McConnell <slm@FreeBSD.org>

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pub 2048R/E523D98C5DCEE9D0 2014-05-13 [expires: 2017-05-12]
    Key fingerprint = E5A6 6376 9B87 C35A B41E 1F7B E523 D98C 5DCE E9D0
uid                               Stephen McConnell <slm@FreeBSD.org>
sub 2048R/0A1BC20E46082DDE 2014-05-13 [expires: 2017-05-12]

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### 3.318. Stephen McKay <mckay@FreeBSD.org>

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pub 4096R/552482D45824C996 2015-04-26 [expires: 2018-04-25]
     Key fingerprint = DF52 7F13 0B49 9790 BFF3 6A17 5524 82D4 5824 C996
uid                               Stephen McKay <mckay@FreeBSD.org>
sub 4096R/3DBD459E455FF5B3 2015-04-26 [expires: 2018-04-25]

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### 3.320. Tom McLaughlin <tmclaugh@FreeBSD.org>

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pub 1024D/E2F7B3D8 2005-05-24
    Key fingerprint = 7692 B222 8D23 CF94 1993 0138 E339 E225 E2F7 B3D8
uid          Tom McLaughlin (Personal email address) <tmclaugh@sdf.lonestar.org>
uid          Tom McLaughlin (Work email address) <tmclaughlin@meditech.com>
uid          Tom McLaughlin (FreeBSD email address) <tmclaugh@FreeBSD.org>
sub 2048g/16838F62 2005-05-24
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### 3.321. Jared McNeill <jmcneill@FreeBSD.org>

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pub   rsa2048/4D7493AA16CF40D0 2016-02-24 [expires: 2019-02-23]
      Key fingerprint = 81ED 5420 3DF8 B48D 035D 8334 4D74 93AA 16CF 40D0
uid   Jared McNeill (FreeBSD) <jmcneill@FreeBSD.org>
uid   Jared McNeill <jmcneill@invisible.ca>
sub   rsa2048/0E6943EE9C65C7F0 2016-02-24 [expires: 2019-02-23]

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### 3.322. Johannes Meixner <xmj@FreeBSD.org>

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pub 2048R/FC9E29371B1B0D0B 2014-04-09 [expires: 2017-04-08]
Key fingerprint = 224E D70A A3AE 3EF1 23B0 CA88 FC9E 2937 1B1B 0D0B
uid Johannes Jost Meixner <xmj@chaot.net>
uid Johannes Jost Meixner <xmj@FreeBSD.org>
sub 2048R/A9F0E3193C0C8867 2014-04-09 [expires: 2017-04-08]
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### 3.323. Jean Milanez Melo <jmelo@FreeBSD.org>

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pub 1024D/AA5114BF 2006-03-03
Key fingerprint = 826D C2AA 6CF2 E29A EBE7 4776 D38A AB83 AA51 14BF
uid Jean Milanez Melo <jmelo@FreeBSD.org>
uid Jean Milanez Melo <jmelo@freebsdbrasil.com.br>
sub 4096g/E9E1CBD9 2006-03-03
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**3.324. Michal Meloun <mmel@FreeBSD.org>**

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pub  rsa2048/691EB26B5EC5AAAA 2015-10-26 [expires: 2018-10-31]
      Key fingerprint = 00DD 4A10 4B80 9FE0 2983 8D77 691E B26B 5EC5 AAAA
uid  Michal Meloun <mmel@freebsd.org>
uid  Michal Meloun <meloun@miracle.cz>
uid  Michal Meloun <melounmichal@gmail.com>
sub  rsa2048/62E61A1BD4E386E2 2015-10-26 [expires: 2018-10-31]
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**3.325. Julio Merino <jmmv@FreeBSD.org>**

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pub  1024D/B889BD5041AD5625 2004-01-01
      Key fingerprint = 6D6F 53EB C86C AB33 17B5 331D B889 BD50 41AD 5625
uid  Julio Merino <jmmv@julipedia.org>
uid  Julio M. Merino Vidal <jmmv84@gmail.com>
uid  Julio M. Merino Vidal <jmmv@NetBSD.org>
uid  Julio Merino <jmmv@NetBSD.org>
```

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uid          Julio Merino <julio@meroh.net>
uid          Julio Merino <jmmv@FreeBSD.org>
sub 2048g/91A5E9E695283F9C 2004-01-01
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-----END PGP PUBLIC KEY BLOCK-----
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**3.326. Kashyap D. Desai** <kadesai@FreeBSD.org>

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pub 1024D/B58E09A5C6E4A571 2014-05-22 [expires: 2017-05-21]
    Key fingerprint = A14D 4FB6 333F D61A D202 C547 B58E 09A5 C6E4 A571
uid                                     Kashyap D Desai <kashyap.desai@avagotech.com>
sub 2048g/9372013F74B44808 2014-05-22 [expires: 2017-05-21]
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-----END PGP PUBLIC KEY BLOCK-----
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**3.327. Kenneth D. Merry** <ken@FreeBSD.org>

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pub 1024D/54C745B5 2000-05-15 Kenneth D. Merry <ken@FreeBSD.org>
    Key fingerprint = D25E EBC5 F17A 9E52 84B4 BF14 9248 F0DA 54C7 45B5
uid                                     Kenneth D. Merry <ken@kdm.org>
sub 2048g/89D0F797 2000-05-15
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pub 1024R/2FA0A505 1995-10-30 Kenneth D. Merry <ken@plutotech.com>
    Key fingerprint = FD FA 85 85 95 C4 8E E8 98 1A CA 18 56 F0 00 1F
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.328. Mark Murray <markm@FreeBSD.org>

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pub  rsa2048 2013-09-29 [SCEA]
      9C2F34D013B833C0833990D1B1AFE3F41215A6B1
uid  [ultimate] Mark Robert Vaughan Murray <mark@grondar.org>
uid  [ultimate] Mark Robert Vaughan Murray <mrvmurray@icloud.com>
uid  [ultimate] Mark Robert Vaughan Murray <markm@freebsd.org>
uid  [ultimate] Mark Robert Vaughan Murray <mark@grondar.za>
uid  [ultimate] Mark Robert Vaughan Murray <mrvmurray@gmail.com>
sub  rsa2048 2013-09-29 [SEA]

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Comment: GPGTools - http://gpgtools.org

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### 3.329. Dirk Meyer <dinoex@FreeBSD.org>

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uid Dirk Meyer <dinoex@FreeBSD.org>
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.330. Yoshiro Sanpei MIHIRA <sanpei@FreeBSD.org>

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pub 1024R/391C5D69 1996-11-21 sanpei@SEAPLE.ICC.NE.JP
Key fingerprint = EC 04 30 24 B0 6C 1E 63 5F 5D 25 59 3E 83 64 51
uid MIHIRA Yoshiro <sanpei@sanpei.org>
uid Yoshiro MIHIRA <sanpei@FreeBSD.org>
uid MIHIRA Yoshiro <sanpei@yy.cs.keio.ac.jp>
uid MIHIRA Yoshiro <sanpei@cc.keio.ac.jp>
uid MIHIRA Yoshiro <sanpei@educ.cc.keio.ac.jp>
uid MIHIRA Yoshiro <sanpei@st.keio.ac.jp>
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Version: GnuPG v1.0.6 (FreeBSD)  
Comment: For info see <http://www.gnupg.org>

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### 3.331. Robert Millan <rmh@FreeBSD.org>

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    Key fingerprint = A537 F029 AAAE 0E9C 39A7 C22C BB9D 98D9 DEA2 C38E
uid      Robert Millan <rmh@debian.org>
uid      Robert Millan <rmh@freebsd.org>
uid      Robert Millan <rmh@gnu.org>
sub 4096R/65A0A9CE 2009-08-14
sub 4096R/41F37946 2009-08-14
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Version: GnuPG v1.4.10 (GNU/kFreeBSD)
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### 3.332. Joseph Mingrone <jrm@FreeBSD.org>

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### 3.333. Ryan Moeller <freqlabs@FreeBSD.org>

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pub  rsa2048/033BC15CEC4A666B 2020-02-11 [SC] [expires: 2023-02-10]
      Key fingerprint = DBD7 727D 43CF 62ED A754 055C 033B C15C EC4A 666B
uid  Ryan Moeller <freqlabs@FreeBSD.org>
sub  rsa2048/0C9FEDF0F5D692CE 2020-02-11 [E] [expires: 2023-02-10]
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### 3.334. Mahdi Mokhtari <mmokhi@FreeBSD.org>

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pub  rsa2048/B809F8A3D4C5AE84 2017-01-28 [SC] [expires: 2020-01-28]
      Key fingerprint = 4AE8 5BE0 08D1 DE58 81FC 231E B809 F8A3 D4C5 AE84
uid  Mahdi Mokhtari <mmokhi@freebsd.org>
sub  rsa2048/55144798EFF98AB0 2017-01-28 [E] [expires: 2020-01-28]
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### 3.335. Michael Moll <mmoll@FreeBSD.org>

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      Key fingerprint = 5048 2980 9458 0FF4 AE39 1B16 749B 7C68 AFB1 16C7
uid   Michael Moll <kvedulv@kvedulv.de>
uid   Michael Moll <mmoll@FreeBSD.org>
uid   Michael Moll <mmoll@mmoll.at>
sub   rsa4096/8693D402926E5572 2015-04-25

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### 3.336. Christoph Moench-Tegeder <cmt@FreeBSD.org>

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pub   rsa4096/37F59AA07D92D5AF 2015-07-11 [SC] [expires: 2020-07-09]
      Key fingerprint = 8DE2 4BD1 0CAA 892B 8C2B FC75 37F5 9AA0 7D92 D5AF
uid   Christoph Moench-Tegeder <cmt@freebsd.org>
uid   Christoph Moench-Tegeder <cmt@burggraben.net>
sub   rsa2048/5C3AD1E79C38F112 2015-07-11 [S] [expires: 2017-07-10]
sub   rsa2048/B9D177E18591F34C 2015-07-11 [E] [expires: 2017-07-10]
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### 3.337. Stephen Montgomery-Smith <[stephen@FreeBSD.org](mailto:stephen@FreeBSD.org)>

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pub      2048R/9A92D807 2011-06-14
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uid      Stephen Montgomery-Smith <stephen@freebsd.org>
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3.338. Marcel Moolenaar <marcel@FreeBSD.org>

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pub 4096R/875AF2DF1FD2D8E3 2012-11-17
Key fingerprint = 745F 456E AE8D 07DB 07C0 998B 875A F2DF 1FD2 D8E3
uid Marcel Moolenaar <marcel@xcllnt.net>
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### 3.339. Doug Moore <dougm@FreeBSD.org>

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pub  rsa2048/E88F2153D3B9D56E 2019-04-19 [SC] [expires: 2022-04-18]
      Key fingerprint = 795E 3531 9256 03AE 4297 DE83 E88F 2153 D3B9 D56E
uid   Doug Moore (www.freebsd.org) <dougm@freebsd.org>
uid   Douglas W Moore <dougm@rice.edu>
sub   rsa2048/929C16F5708028AC 2019-04-19 [E] [expires: 2022-04-18]
sub   rsa2048/A3B47B563FA14BAC 2019-04-20 [S] [expires: 2022-04-19]
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### 3.340. Kris Moore <kmoore@FreeBSD.org>

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pub 1024D/6294612C 2009-05-26
    Key fingerprint = 8B70 9876 346F 1F97 5687 6950 4C92 D789 6294 612C
uid          Kris Moore <kmoore@freebsd.org>
sub 2048g/A7FFE8FB 2009-05-26

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### 3.341. Dmitry Morozovsky <marck@FreeBSD.org>

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pub 4096R/0650BCC042473949 2013-11-25 [expires: 2016-11-24]
Key fingerprint = 6BF3 EE15 5E2D 46F5 0B57 3A81 0650 BCC0 4247 3949
uid Dmitry Morozovsky <marck@rinet.ru>
uid Dmitry Morozovsky <marck@FreeBSD.org>
sub 4096R/948FF5948B7DAAA4 2013-11-25 [expires: 2016-11-24]
sub 4096R/65AA79C860E297A8 2013-11-25 [expires: 2016-11-24]

pub 1024D/85D450456B691B03 2001-07-20
Key fingerprint = 39AC E336 F03D C0F8 5305 B725 85D4 5045 6B69 1B03
uid Dmitry Morozovsky <marck@rinet.ru>
uid Dmitry Morozovsky <marck@FreeBSD.org>
sub 2048g/EC88D8AE44D656F8 2001-07-20
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```

00Cfb2riDssKX42D7HhVjDvTe1BtXq5Ag0ESLWYehAIA0Qrj0PRt1W0C3Gh1njF
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=q3W+
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.344. Rich Murphey <rich@FreeBSD.org>

```

pub 1024R/583443A9 1995-03-31 Rich Murphey <rich@lamprey.utmb.edu>
Key fingerprint = AF A0 60 C4 84 D6 0C 73 D1 EF C0 E9 9D 21 DB E4

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```

-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

mQCNAy97V+MAAAEEALiNM3FCwm3qrCe81E20U0SlnCl0WfZHNAY0yjlahHeINvo1
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.345. Akinori MUSHA <knu@FreeBSD.org>

```

pub 1024D/9FD9E1EE 2000-03-21 Akinori MUSHA <knu@and.or.jp>
Key fingerprint = 081D 099C 1705 861D 4B70 B04A 920B EFC7 9FD9 E1EE
uid Akinori MUSHA <knu@FreeBSD.org>
uid Akinori MUSHA <knu@idaemons.org>
uid Akinori MUSHA <knu@ruby-lang.org>
sub 1024g/71BA9D45 2000-03-21

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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1Xo=
=M+Al
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.346. Thomas Möstl <tmm@FreeBSD.org>

```
pub 1024D/419C776C 2000-11-28 Thomas Moestl <tmm@FreeBSD.org>
    Key fingerprint = 1C97 A604 2BD0 E492 51D0 9C0F 1FE6 4F1D 419C 776C
uid          Thomas Moestl <tmoestl@gmx.net>
uid          Thomas Moestl <t.moestl@tu-bs.de>
sub 2048g/ECE63CE6 2000-11-28
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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=76wN
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.347. Jesper Schmitz Mouridsen <jsm@FreeBSD.org>

```
pub  rsa2048/FF27311BCAAD5E73 2018-07-02 [SC] [expires: 2021-07-01]
     Key fingerprint = FEBD 6AF9 E18A C936 7CBC C28E FF27 311B CAAD 5E73
uid                                     Jesper Schmitz Mouridsen <jsm@FreeBSD.org>
sub  rsa2048/AD7A4081B64D9398 2018-07-02 [E] [expires: 2021-07-01]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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lgQ=
=UZDe
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.348. Masafumi NAKANE <max@FreeBSD.org>

```
pub  1024D/CE356B59 2000-02-19 Masafumi NAKANE <max@wide.ad.jp>
     Key fingerprint = EB40 BCAB 4CE5 0764 9942 378C 9596 159E CE35 6B59
uid                                     Masafumi NAKANE <max@FreeBSD.org>
uid                                     Masafumi NAKANE <max@accessibility.org>
uid                                     Masafumi NAKANE <k5pdi@qsl.net>
sub  1024g/FA9BD48B 2000-02-19
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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Version: GnuPG v1.2.2 (FreeBSD)
```

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5fZrGkI8vxmYR4Vki1eLfe0Q4LoBZifL5nJYEvMvWpmdLuYjp4iwiGbdzLnwr59+
k8+T/fohgD0qx45voCdq68JmXg283zFGQ4FChMP3ZML0PmFRip01C84xxwCguNFG
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8M8MEmg0dX0onFuNu5yrEBFtzPw2G06DMM8h5hJXdSwwkiyusn05PGk/jVSP9/MD5
TYyqKL1tG/fkUgtevZSi7o1x/N0bgIBqmdz30Cqx29p7juVV+SBcKCRt1ql0z6fc
a5B6A/wJD5n3H0AStsWpZ6To/Apdb4A3PD4+epfQxSICsHCFg/M04FkrG48So2qc
7dSg6UH3xLsoiRIUonwCqsT+PaQQMrZnkjfal9xLEfW1TV/squ+oNE8E24Lkzxt
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```

```

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6Va2/bf7Ln4TKyl17uRro7Y=
=VmY5
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.349. Maho Nakata <maho@FreeBSD.org>

```

pub 1024D/F28B4069 2009-02-09
    Key fingerprint = 3FE4 99A9 6F41 8161 4F5F 240C 8615 A60C F28B 4069
uid Maho NAKATA (NAKATA's FreeBSD.org alias) <maho@FreeBSD.org>
sub 2048g/6B49098E 2009-02-09

```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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mQGibEmPtPKRBADEcSQQGME+Df6I9jnUBNMxvX8aMAH0+SKJEn0xTZvu9WLQmJv
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ZDVC/M0s8sUfAJwIJuJHTepRSP6qVkJXf5TRMt2A==
=Rtch
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.350. Yoichi NAKAYAMA <yoichi@FreeBSD.org>

```

pub 1024D/E0788E46 2000-12-28 Yoichi NAKAYAMA <yoichi@assist.media.nagoya-u.ac.jp>
    Key fingerprint = 1550 2662 46B3 096C 0460 BC03 800D 0C8A E078 8E46
uid Yoichi NAKAYAMA <yoichi@eken.phys.nagoya-u.ac.jp>
uid Yoichi NAKAYAMA <yoichi@FreeBSD.org>
sub 1024g/B987A394 2000-12-28

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (GNU/Linux)
Comment: KUHASIKU WA http://www.gnupg.org/ WO GORANKUDASAI
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Kj5SP2hFC0ueyQtPDoJEgED/0bPL9R08io82IQqs0R9IUy00dFJkLVWLnolLEY
LGjXa/AHgE8L8oWU/2eF1WM4JrtVRdcKe0Ja2e9LuH6IonGAdwqUeeA0wA/RdGj3
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```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.351. Edward Tomasz Napierała <trasz@FreeBSD.org>

```
pub   rsa2048/242283F95C24FFBA 2017-03-18 [SC] [expires: 2020-03-17]
      Key fingerprint = 6EF8 C17B 586E EAED 4D7A 29E3 2422 83F9 5C24 FFBA
uid   Edward Tomasz Napierała <trasz@FreeBSD.org>
sub   rsa2048/E05120C93CF82625 2017-03-18 [E] [expires: 2020-03-17]
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```

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KD+E
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.352. Neel Natu <neel@FreeBSD.org>

```

pub  2048R/8E023181B17DA72B 2014-09-25 [expires: 2017-09-24]
      Key fingerprint = 1251 B214 E559 D763 A12C 96F4 8E02 3181 B17D A72B
uid  Neel Natu <neel@freebsd.org>
sub  2048R/1F906913DB152E10 2014-09-25 [expires: 2017-09-24]

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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.353. David Naylor <dbn@FreeBSD.org>

```

pub  rsa4096/35C84A0DEC1D97CD 2014-03-06 [SC] [expires: 2020-03-20]
      Key fingerprint = A372 D3E1 D587 2D99 A5FF F243 35C8 4A0D EC1D 97CD
uid  David Naylor (Private) <naylor.b.david@gmail.com>
uid  David Naylor (FreeBSD) <dbn@FreeBSD.org>
sub  rsa4096/AD63FA8DD6B2DA55 2014-03-06 [S] [expires: 2020-03-08]
      Key fingerprint = 948E C511 A27F 0302 E799 B53A AD63 FA8D D6B2 DA55
sub  rsa4096/88D62359F19D95D0 2014-03-06 [E] [expires: 2020-03-08]
      Key fingerprint = A198 8E3A 1A14 66C7 ADE2 13F2 88D6 2359 F19D 95D0

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TzudUqzzWwA9Hs5EEtWqlaeHIJJwCpg4Zb4+LLNB1LRQ1pBpctjaU6eTPY6pLs
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pxzQ4e0maWEPUP6w+hkUwmRxc9BNrrvWYixwugLPhCvFJU+rFApxzFCGBjgGV0o
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5W2zB9f72LJLP7m3LfHqBS/t+pqL3NNLHFwbbz9lQqW0eqI+i4w4FEUiqp+VhJmv
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1nm73wARAQABiQI8BBGBCgAmAhsMfiEo3LT4dWHLZml//JDNchKDewdL80FAlyD
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Bhr8Rgr7ucEBh5fNqrhlaJ7NmsRElTHgskX/zxoGDKiBdkRySz8Qi2xJQoyaTbh0
wKMaHw9eB50gfiAa674FgQrLFDzkgVrw8i0Z5HskBhvbIDlSHDmklPuzIHut9gb
7R6/pC73HpchxEgVkoEmEcZRJdtj/KTyLMd+TnXMiDHL0nGt06XhRiTIZ2XcSbkF
Tg+9IDngVdS9Gw//rUWTju4M/qCnJ3Bt0SXQ6fJpFzgeTirPP0ToM3E/LVCCUzEy
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LenTPZmsL3LWh18zDEdi+o4rztQcTtblw+ZP0kRhaFGFMjN2CMRnVCPNRDoTMzk
X/HlsRPKRv1utMoTK2aCD+zxEkMrvr3QudKk3NC/0wi05yGrSbpg0Vq0Ayx9P2/
+6itRj4MiNubJ4Z8eiWQbjbm2npBod54+ZfxpdpC6hBEUAm7Lm6KRweCsic55kCQ
k7JAK0/miYA=
=LXIO
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.354. Alexander Nedotsukov <[bland@FreeBSD.org](mailto:bland@FreeBSD.org)>

```
pub 1024D/D004116C 2003-08-14 Alexander Nedotsukov <bland@FreeBSD.org>
Key fingerprint = 35E2 5020 55FC 2071 4ADD 1A4A 86B6 8A5D D004 116C
sub 1024g/1CCA8D46 2003-08-14
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----

mQGibD87tOARBACKfv0/19ar/kUNsj2vL+APjo/cx0A0bubEmaPhwNuL0jtafdNm
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Yo4WoPEYjtlD/ZpZVysQiSMxLXRHjsEbMAMZL7Tx/Sav01XUiBHBGDHxaWwVdqmg
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vZgjA/9l8xZd0lSjv7Ct+VGrFMStMmpBCn7IRSjeJRq2pNe0pbJtzXAnAwrB62X
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M00HVTTgzSNVdy9h+u0obicBSHPh2La7KGnFRtMb6pZFG5Y2LQoQwXleGFuZGVy
IE5lZG90c3Vrb3YgPGJsYW5kQEYyZWVUC0ub3JnPhohBBMRAGAbBQI/07TgBgsJ
CAcDAgMVAqMDFgIBAh4BAheAAoJEIa2il3QBFFsAUoAoIGf7gn1DPL+Miw3/2W1
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0JnIxlgFE/WJDPK5trnjzHQI9kwf6j8EREXCFuuvDy3QhuJiHtjB+I8IVYh+oiXL
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tTli1/ous2J56useJyeik9wJfFyZBl0tmw1QFLxELly+XgKiyGRNKtrws+smYfjC
Gwwhlhc40r824oWpiEYEGBECAAYFAj87t0MACgkQhRaKXdAEWYsXACgwFVr9ZgH
TYnmGwGXAmQwVJV+xAQAn2HLGDm0puTDzF05PvX00WnFjvIt
```

```
=bcPN
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.355. Jochen Neumeister <joneum@FreeBSD.org>

```
pub   rsa2048/9311C2CFE5669C5C 2017-05-15 [SC] [verfällt: 2020-05-14]
      Schl.-Fingerabdruck = 9C12 1C62 8850 D4C1 AE06 D509 9311 C2CF E566 9C5C
uid   Jochen Neumeister <joneum@FreeBSD.org>
sub   rsa2048/A95E7B3C43AF6657 2017-05-15 [E] [verfällt: 2020-05-14]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQENBFkZ5JMBAC9pnEsbo6c2U6m/mtsB0GJhwpfeTq91pbowDx5twiD0ZuP1XYs
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ngD5jMFUicry+tBw+SA3J9G+gBMVBr76I8bxIc8FLAQW8JcpXEZzLe15qLbwAeEd
Y8Q66c73XnaZcIq0wIHTLhquz+dWAscqe+FTXDBGtWRB1WDAjz08IOvG2uGkyyPH
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dGVyIDxqb25ldW1ARnJlZUJTRC5vcmc+iQFUBBMBCgA+FiEEnBICyohQ1MGuBtUJ
kxHCz+VmnFwFAlkZ5JMCgWFCQWjmoAFCwkIBwMFFQoJCA5FFGMCAQACHgECF4AA
CgkQkxHCz+VmnFw8TggAgKrekYw7XZYsZpecvxSPKx4hbRUM6wwE5UwS9NGw3/F
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UITqcMSpglBXnNriS5+SrWlq2pqMyCB3t39mbNr4raDcG2y9QEZA7KAjxmnbfkeI
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1jhrAYxYoyRO9DYbWKRlBSIQW+PAFTACLA0aNX4be7kBDQRZGeSTAQgAw0eW+sge
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=mv7H
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.356. George V. Neville-Neil <gnn@FreeBSD.org>

```
pub   1024D/440A33D2 2002-09-17
      Key fingerprint = AF66 410F CC8D 1FC9 17DB 6225 61D8 76C1 440A 33D2
uid   George V. Neville-Neil <gnn@freebsd.org>
uid   George V. Neville-Neil <gnn@neville-neil.com>
sub   2048g/95A74F6E 2002-09-17
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQGIBD2Gwe4RBACw78PVfE2fA9U0mISJrV1ohjdkzVTly0WQ/YwMgyB/J/Z/M35G
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iPmIvGE7wpFlcFkYIjjL4ksD/iKpKneEwB7dEksyDQX8l18v58x0LH334WDgR05a
X3Wlc4He8b3kWzBWK0z81XE8Z7ip0Io13LHhamLp1P1eDX4sWKQpJmdRtHzic9R6
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CDnlCesAnRqM+Xsv9/KnZ30/GRtpkNwT9NCJuQINBD2GwgUQCACvJfoCKfRo3y1J
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Cck4YxHfge4SMe6noPICAjN6PCKIMDldxi+ZiEYEGBECAAYFAj2GwgUACgkQYdh2
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=Sot0
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.357. Simon L. B. Nielsen <[simon@FreeBSD.org](mailto:simon@FreeBSD.org)>

```
pub 1024D/FF7490AB 2007-01-14
Key fingerprint = 4E92 BA8D E45E 85E2 0380 B264 049C 7480 FF74 90AB
uid Simon L. Nielsen <simon@FreeBSD.org>
uid Simon L. Nielsen <simon@nitro.dk>
sub 2048g/E3F5A76E 2007-01-14
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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KH2Iyjwnr3IFU2PopIxzscuGT4EKbLes925X6tjCfx+r4uGIVSj6Xzu+9jGxK0KI
TZshBADIU5+wneCYZ1Wnc/cwaG3SMXaVT0kThQS+l66o3BFXX77Tn0HbjB+/CmP/
lWjcUv4tTYfmI5kQg4pRA7rSEsMBwec19CIy+mf9QD1HDVNGex1tGdGNz7oa0vwm
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=ggBj
-----END PGP PUBLIC KEY BLOCK-----
```



**3.358. Robert Noland** <[rnoLand@FreeBSD.org](mailto:rnoLand@FreeBSD.org)>

```
pub 1024D/8A9F44E3 2007-07-24
    Key fingerprint = 107A 0C87 E9D0 E581 677B 2A28 3384 EB43 8A9F 44E3
uid                                Robert C. Noland III <rnoLand@FreeBSD.org>
uid                                Robert C. Noland III (Personal Key) <rnoLand@2hip.net>
sub 2048g/76C3CF00 2007-07-24
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

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1efSA/9oJBP+6Ffdnrni7hxAegP2uG/LXQ/oG67UljMC1LFkiV0irE906G5UXFEVE
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IE5vbGFuZCBJSUkgKFBlnNvbmFsIEtleSkgPHJub2xhbmRAMmhpcC5uZXQ+iGAE
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BBYCAwECHgECF4AACgkQM4TrQ4qfR00E6QCcC085r5aDgvzVDPvrZU+pSitB+BgA
niwufou7zDg3AJGyf1MeuuFaZ1r9uQINBEamZvMQCAC0vnyHYPRawC7fFfrdqGxj
C5ZnjHjYtG4vIUgVmPE096H+Wflesmg0Z8bQH6J+3Pzpf+l6HimYtF+gMvDLIz0I
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=bQIC
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

**3.359. Anders Nordby** <[anders@FreeBSD.org](mailto:anders@FreeBSD.org)>

```
pub 1024D/00835956 2000-08-13 Anders Nordby <anders@fix.no>
    Key fingerprint = 1E0F C53C D8DF 6A8F EAAD 19C5 D12A BC9F 0083 5956
uid                                Anders Nordby <anders@FreeBSD.org>
sub 2048g/4B160901 2000-08-13
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
```

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### 3.360. Michael Nottebrock <lofi@FreeBSD.org>

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pub 1024D/6B2974B0 2002-06-06 Michael Nottebrock <michaelnottebrock@gmx.net>
Key fingerprint = 1079 3C72 0726 F300 B8EC 60F9 5E17 3AF1 6B29 74B0
uid Michael Nottebrock <lofi@freebsd.org>
uid Michael Nottebrock <lofi@tigress.com>
uid Michael Nottebrock <lofi@lofi.dyndns.org>
uid Michael Nottebrock <michaelnottebrock@web.de>
uid Michael Nottebrock <michaelnottebrock@meitner.wh.uni-
dortmund.de>
sub 1024g/EF652E04 2002-06-06 [expires: 2004-06-15]
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### 3.361. David O'Brien <[obrien@FreeBSD.org](mailto:obrien@FreeBSD.org)>

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pub 1024R/34F9F9D5 1995-04-23 David E. O'Brien <defunct - obrien@Sea.Legent.com>
Key fingerprint = B7 4D 3E E9 11 39 5F A3 90 76 5D 69 58 D9 98 7A
uid David E. O'Brien <obrien@NUXI.com>
uid deobrien@ucdavis.edu
uid David E. O'Brien <whois Do38>
uid David E. O'Brien <obrien@FreeBSD.org>
uid David E. O'Brien <dobrien@seas.gwu.edu>
uid David E. O'Brien <obrien@cs.ucdavis.edu>
uid David E. O'Brien <defunct - obrien@media.sra.com>
uid David E. O'Brien <obrien@elsewhere.roanoke.va.us>
uid David E. O'Brien <obrien@Nuxi.com>

pub 1024D/7F9A9BA2 1998-06-10 "David E. O'Brien" <obrien@cs.ucdavis.edu>
Key fingerprint = 02FD 495F D03C 9AF2 5DB7 F496 6FC8 DABD 7F9A 9BA2
uid "David E. O'Brien" <obrien@NUXI.com>
uid "David E. O'Brien" <obrien@FreeBSD.org>
sub 3072g/BA32C20D 1998-06-10

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Version: GnuPG v1.0.6 (FreeBSD)  
Comment: For info see <http://www.gnupg.org>

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### 3.362. Jimmy Olgeni <olgeni@FreeBSD.org>

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### 3.363. Phil Shafer <phil@FreeBSD.org>

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pub  rsa2048/199B04AAB9FC8BC1 2015-12-30 [expires: 2018-12-29]
      Key fingerprint = C481 6D81 839D FABB 6E51 368E 199B 04AA B9FC 8BC1
uid  Phil Shafer <phil@freebsd.org>
uid  Phil Shafer <phil@juniper.net>
sub  rsa2048/393DFA173468E663 2015-12-30 [expires: 2018-12-29]
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### 3.364. Philip Paeps <[philip@FreeBSD.org](mailto:philip@FreeBSD.org)>

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pub  rsa2048/31AEB9B5FDBBCB0E 2015-06-14 [SC] [expires: 2021-07-01]
      Key fingerprint = 2CD1 92C2 6EE7 B7D1 F552 6619 31AE B9B5 FDBB CB0E
uid   Philip Paeps <philip@trouble.is>
uid   Philip Paeps <philip@freebsd.org>
uid   Philip Paeps <philip@nixsys.be>
sub   rsa2048/7C62BC4776C9F29E 2015-06-14 [S] [expires: 2020-06-01]
sub   rsa2048/935DB8343AF25C94 2015-06-14 [E] [expires: 2020-06-01]
sub   rsa2048/CFF632544136DF54 2015-06-14 [A] [expires: 2020-06-01]
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### 3.365. Josh Paetzel <jpaetzel@FreeBSD.org>

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### 3.366. Gábor Páli <pgj@FreeBSD.org>

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pub 4096R/6D7E445C 2013-06-14 [expires: 2018-06-13]
Key fingerprint = 7AD5 76BA AF2D 14B9 6D45 440B C013 309D 6D7E 445C
uid Páli Gábor János (Primary identity) <pali.gabor@gmail.com>
uid Páli Gábor János (Eötvös Loránd University) <pgj@inf.elte.hu>
uid Gabor Pali (FreeBSD committer) <pgj@FreeBSD.org>

```



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uid      Páli Gábor János (Magyar BSD Egyesület) <pgj@bsd.hu>
uid      Páli Gábor János (Eötvös Loránd University) <pgj@elte.hu>
sub      4096R/A57B06AB 2013-06-14 [expires: 2018-06-13]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.367. Hiren Panchasara <hiren@FreeBSD.org>

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pub 2048R/8B9250E1563EDFE5 2014-05-13 [expires: 2017-05-12]
Key fingerprint = A4E2 0FA1 D878 8F3F 17E6 6F02 8B92 50E1 563E DFE5
uid hiren panchasara <hiren@freebsd.org>
sub 2048R/EAF1BEDEBEEA242B 2014-05-13 [expires: 2017-05-12]
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.368. Hiten Pandya <hmp@FreeBSD.org>

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pub 1024D/938CAC8 2004-02-13 Hiten Pandya (FreeBSD) <hmp@FreeBSD.org>
    Key fingerprint = 84EB C75E C75A 50ED 304E E446 D974 7842 938C ACA8
uid          Hiten Pandya <hmp@backplane.com>
sub 2048g/783874B5 2004-02-13

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### 3.369. Yuri Pankov <yuripv@FreeBSD.org>

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pub  rsa2048/938BE07FB12AE16C 2018-10-09 [SC] [expires: 2021-10-08]
    Key fingerprint = F86A B73E C3DE 2D3E 2D2F  FF70 938B E07F B12A E16C
uid  Yuri Pankov <yuripv@FreeBSD.org>
uid  Yuri Pankov <yuripv@yuripv.net>
sub  rsa2048/46D3CC02A35E1B43 2018-10-09 [E] [expires: 2021-10-08]
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**3.370. Dima Panov <fluffy@FreeBSD.org>**

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pub 1024D/93E3B018 2006-11-08
    Key fingerprint = C73E 2B72 1FFD 61BD E206 1234 A626 76ED 93E3 B018
uid          Dima Panov (FreeBSD.ORG Committer) <fluffy@FreeBSD.ORG>
uid          Dima Panov (at home) <Fluffy@Fluffy.Khv.RU>
uid          Dima Panov (at home) <fluffy.khv@gmail.com>
sub 2048g/89047419 2006-11-08

pub 4096R/D5398F29 2009-08-09
    Key fingerprint = 2D30 2CCB 9984 130C 6F87 BAFB FB8B A09D D539 8F29
uid          Dima Panov (FreeBSD.ORG Committer) <fluffy@FreeBSD.ORG>
uid          Dima Panov (at Home) <fluffy@Fluffy.Khv.RU>
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sub 4096R/915A7785 2009-08-09

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gvGn3mxLairK5wBG/6nAxa+uon8t9tl7FKwiMg==
=Jlk7
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.371. Andrew Pantyukhin <sat@FreeBSD.org>

```

pub 1024D/6F38A569 2006-05-06
Key fingerprint = 4E94 994A C2EF CB86 C144 3B04 3381 67C0 6F38 A569
uid Andrew Pantyukhin <infofarmer@gubkin.ru>
uid Andrew Pantyukhin <sat@FreeBSD.org>

```

```
uid      Andrew Pantyukhin <infofarmer@gmail.com>
uid      Andrew Pantyukhin <infofarmer@mail.ru>
sub      2048g/5BD4D469 2006-05-06
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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=47um
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.372. Navdeep Parhar <np@FreeBSD.org>

```
pub      1024D/ACAB8812 2009-06-08
          Key fingerprint = C897 7AFB AFC0 4DA9 7B76 D991 CAB2 2B93 ACAB 8812
uid      Navdeep Parhar <np@FreeBSD.org>
sub      2048g/AB61D2DC 2009-06-08
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.373. Roger Pau Monné <royger@FreeBSD.org>

```
pub 2048R/A5D976A532BA64C0 2012-07-10
Huella de clave = F443 1572 D188 7D22 3605 A2A6 A5D9 76A5 32BA 64C0
uid Roger Pau Monné <royger@FreeBSD.org>
uid Roger Pau Monné <royger@NetBSD.org>
uid Roger Pau Monné <royger@entel.upc.edu>
uid Roger Pau Monné <royger@FreeBSD.org>
uid Roger Pau Monne (NetBSD) <royger.pau@citrix.com>
sub 2048R/6927D92634ED085B 2012-07-10
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.374. Rui Paulo <[rpaulo@FreeBSD.org](mailto:rpaulo@FreeBSD.org)>

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pub 4096R/39CB4153 2010-02-03
    Key fingerprint = ABE8 8465 DE8F F04D E9C8 3FF6 AF89 B2E6 39CB 4153
uid                               Rui Paulo <rpaulo@FreeBSD.org>
uid                               Rui Paulo <rpaulo@gmail.com>
sub 4096R/F87D2F34 2010-02-03
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### 3.375. Mikhail Pchelin <misha@FreeBSD.org>

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pub   rsa2048/A2DC12FB25611BD8 2016-11-22 [SC] [expires: 2019-11-22]
      Key fingerprint = 3E2E 6813 B96B 12C0 2561 B75F A2DC 12FB 2561 1BD8
uid   Mikhail Pchelin <misha@freebsd.org>
uid   Mikhail Pchelin <Mikhail.Pchelin@gmail.com>
sub   rsa2048/E54033B8F67AD345 2016-11-22 [E] [expires: 2019-11-22]

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### 3.376. Jean-Sébastien Pédrón <dumbell@FreeBSD.org>

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      Key fingerprint = D72F 4B84 7098 9244 20E6 2B93 D938 F9C8 6816 981C
uid          Jean-Sébastien Pédrón <jean-sebastien.pedron@dumbell.fr>
uid          Jean-Sébastien Pédrón <dumbell@FreeBSD.org>
uid          Jean-Sébastien Pédrón <jean-sebastien@rabbitmq.com>
sub  rsa4096/A185D28321B02B03 2014-01-14 [E] [expires: 2019-01-11]
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      Key fingerprint = 6708 7FD1 AEAE 0E12 DBC6 A6F0 39E9 9761 A5FD 94CC
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### 3.377. Mark Peek <mp@FreeBSD.org>

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.378. Peter Pentchev <roam@FreeBSD.org>

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pub 1024D/16194553 2002-02-01
Key fingerprint = FD8A FD79 C26F 3C51 C95E DF9E ED18 B68D 1619 4553
uid Peter Pentchev <roam@ringlet.net>
uid Peter Pentchev <roam@cnsys.bg>
uid Peter Pentchev <roam@sbn.net>
uid Peter Pentchev <roam@online.bg>
uid Peter Pentchev <roam@orbitel.bg>
uid Peter Pentchev <roam@FreeBSD.org>
uid Peter Pentchev <roam@techlab.officel.bg>
uid Peter Pentchev <roam@hoster.bg>
uid Peter Pentchev <roam@space.bg>
sub 1024g/7074473C 2002-02-01

pub 4096R/2527DF13 2009-10-16
Key fingerprint = 2EE7 A7A5 17FC 124C F115 C354 651E EFB0 2527 DF13
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uid Peter Pentchev <roam@cpan.org>
uid Peter Pentchev <roam@cnsys.bg>
uid Peter Pentchev <roam@sbn.net>
uid Peter Pentchev <roam@online.bg>
uid Peter Pentchev <roam@orbitel.bg>
uid Peter Pentchev <roam@FreeBSD.org>
uid Peter Pentchev <roam@techlab.officel.bg>
uid Peter Pentchev <roam@hoster.bg>
uid Peter Pentchev <roam@space.bg>
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.379. Denis Peplin <den@FreeBSD.org>

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pub 1024D/485DDDF5 2003-09-11 Denis Peplin <den@FreeBSD.org>
Key fingerprint = 495D 158C 8EC9 C2C1 80F5 EA96 6F72 7C1C 485D DDF5
sub 1024g/E70BA158 2003-09-11

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.380. Christian S.J. Peron <csjp@FreeBSD.org>

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pub 1024D/033FA33C 2009-05-16
    Key fingerprint = 74AA 6040 89A7 936E D970 DDC0 CC71 6954 033F A33C
uid Christian S.J. Peron <csjp@FreeBSD.ORG>
sub 2048g/856B194A 2009-05-16
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### 3.381. Gerald Pfeifer <gerald@FreeBSD.org>

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pub 1024D/A5B3A004745C015A 1999-11-09
    Key fingerprint = B215 C163 3BCA 0477 615F 1B35 A5B3 A004 745C 015A
uid Gerald Pfeifer <gerald@pfeifer.com>
uid Gerald Pfeifer <gp@suse.com>
uid Gerald Pfeifer <gp@novell.com>
uid Gerald Pfeifer <gerald@FreeBSD.org>
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sub 1536g/00EAD7F3F0156927 1999-11-09

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### 3.382. D Scott Phillips <[scottph@FreeBSD.org](mailto:scottph@FreeBSD.org)>

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       Key fingerprint = CA2E 7B9E 4514 FC3B 4D3F 70A1 8A1A 4473 E552 4D8B
uid    D Scott Phillips <d.scott.phillips@intel.com>
uid    D Scott Phillips <scott@scott.ph>
uid    D Scott Phillips <scottph@FreeBSD.org>
sub    ed25519/75FA6154364DAC7C 2019-05-31 [S]
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### 3.383. Giuseppe Pilichi <[jacula@FreeBSD.org](mailto:jacula@FreeBSD.org)>

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       Key fingerprint = 31AD 73AE 0EC0 16E5 4108 8391 D942 5F20 8B9F 4B8B
uid    Giuseppe Pilichi (Jacula Modyun) <jacula@FreeBSD.org>
uid    Giuseppe Pilichi (Jacula Modyun) <jaculamodyun@gmail.com>
uid    Giuseppe Pilichi (Jacula Modyun) <gpilch@gmail.com>
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hz4cWleqV81U0g+X2sWPxewHAuvLi9xi40ZU+xnEd/Q7n5L6ZeG62BJ3LJJhzoq4
T4Z5HkxT60AJnSrmmY8AGpiqo5tR4d9ojclrKqUzbOMFb2p1ruydbBLyn9Cl8XLA
FQ0HGCmIH0Fh0LBEyLk8nyR7hRRsnQaujGaaAZ0s6wBjQISDk7NYQwUkUdTTpbr
0LbrJbfp0RmZLVZqUMcuYxukE1l+Kteeb8mLabFZLMvsLP5TpS1gJgoBnaPdnAX
92AwMntMYb0vh5QCEsqiBV0tR8rglxbUg+DIvUHBf4ZmBtoq059KX+7t2Kg7bopS
1rj8Kbpoxrfkx8SxEU3UexX2cUJwWrXhLe2vdLgA4IQmLWQ0XPy6ckZng/sLU7wT
DA3HKknUdjCzyNhGvdreAXxGpXaYguZIMU79jT0Zu92az0KxMYSLLqTEqXNeFvjS
imHuzW0gnhFeAF56AEUQxquw4YqN7DCD0jsiamMbU9Rxta1i590VdrXK061EmFa
Z8VhMQ0Xfvp8p6kgxG3PEbR9wWq75cRBbN0EApw6YpKxLRCbKH8=
=jId0
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.384. Mateusz Piotrowski <0mp@FreeBSD.org>

```
pub  rsa2048/48C66F397C591B65 2018-07-16 [SC] [expires: 2021-07-15]
      Key fingerprint = 0FEF 83BF 2B18 FCB2 F22A 072F 48C6 6F39 7C59 1B65
uid          Mateusz Piotrowski <0mp@FreeBSD.org>
sub  rsa2048/58DE64DA5D369982 2018-07-16 [E] [expires: 2021-07-15]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQENBFtMutwBCAC+/tWystvTvrhznWYshH4m+U0VCmbBhxsY3coo0R50l4e8QGo2
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odrJcw5FkKeQyu0v6kUgkP5uIqnkU/LDQk7lWwryzd0S0CSPFZdxjlvuV93p07I
Hdj rHezL9Sonom8aaA41mQ78PAQdfUtX8Q+Kgg8IHCiBBwVHzhtaxLX0AXl+t28G
/Dc0Cl5jwpJqj+9qjmywyMPLWo4AMGDtIjJBhYCHyk+jq6mIlbaAH3v49aLoqARi
T3wYUqBKabZKR5h8c7kmayWJoRum0IuM69C3ABEBAAg0JE1hdGV1c3ogUGlvdHJv
d3NraSA8MG1wQEZYzWVCU0Qub3JnPokBVAQTAQoAPhYhBA/vg78rGPyy8ioHL0jG
bzL8WRtLbQJbTLrcAhsDBQkFo5qABQsJCAcDBRUKCQgLBRYDAGEAAh4BAheAAAOJ
EEjGbzL8WRtLnfch/0YS9dyS/DJV10kCCdCVy2bigbBs7KpM189uoKqK86V78NkG
VnHPvJsrw9geZLmPx10jlq004NoalJAHFce92Y5xfzHcublKMntnNJ6ba1CeZqzv
m3j3KQ0rTPrn1BJEWSsgazeUbqqaiB6jx0p5UhNTPzj0dPQ6N2E4FAch86y7znZ0
GM9oYiMI9yBbyo8/FcY4huWsx1p2IImBqiyZMG4PG07jwjVIUPE4DqY1Fd0Iv/F0
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JkZSD9RAB565XZU+gZnWvXzDCs+vjdnuU0Rr0e5AQ0EW0y63AEIAKKDhyfaBer1
uQ2WMRXEuyYUjdAVAJVno7G91rtcupXA62yrU2gwsqwtgyqEQbcDx7wzk6froMg
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GFuCWkq7EfoTbWrvCLOKxNocIWs8wfUEkKtZMKJUyAgBGWvAtnbdT3Rpz0ZQrto
```

```
MZsBbxQwccj/8hBScMsZVMF9rgjDMG7I7Si90ulUpNC2cm50BggPkC7pL7gyUxV41
gk8R3EKGS2jt0Zgq7K5Zsrch2DvvsQgBxwLUSCT/AdRKQ+npDvet9Z9zims/rvGu
mb0TD1ydi0UAEQEAAyKBPAQYAQoAJhYhBA/vg78rGPy8ioHL0jGbzL8WRtLBQJb
TLrcAhsMBQkFo5qAAAOJEEjGbzL8WRtLI3UH/RJI2MfESLd/Rh7iXxnuZR5YqdvK
EOGakAMCG6IJuipBP+DCBg513/QgG/rXLTf4R3LX3AKs9HGjrnQ+GmiiG9+GH7Va
0j0Arl3YDXrRVC8nIP2u5jR5hiML6H+6dLk1N6jzXD56CvKF+RgVpRem5iU0YwvK
Rx5ZL8cAqn+m0M9r0L2aDHJka/XLRxnsR8yUSIXyUrzVas/Kf0pnWxGBLW5/M89
RwX2E1RwgfQmsfowyVH020BlbvpLxuEfv0KL30k+qsuJ8q+9DuCbitTsPYXe7LD8
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=6Iwu
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.385. Luca Pizzamiglio <pizzamig@FreeBSD.org>

```
pub  rsa2048/7902AC39047F0596 2017-09-01 [SC] [expires: 2020-08-31]
      Key fingerprint = 970A 2223 AAAA 08B5 4F38 5A08 7902 AC39 047F 0596
uid   Luca Pizzamiglio <pizzamig@FreeBSD.org>
sub  rsa2048/BDC018FB5DC2DAA2 2017-09-01 [E] [expires: 2020-08-31]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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```
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7zBkkCtluEuStb2b/KreqbZtjzdrRD0K8mBAEr/lYmJscjgFo7BpEIQcdJMNkS9
r5ul/Jt6c2Dg9gNDQS0dVZM/Bgrei75IAJG1qEmPMC2qkckRzKFuyP476fm/UvtL
+TgBTaFo1tDq2If3NmsKZcAlDI+gdEQCqPfb+e8sTgMBRX082uwbGpL3lqI0i9tQ
KbjqlLUYIbM7iPcMJ5L9Uc0fRw8swUAVScRHABEBAAG0J0x1Y2EgUGl6emFtaWds
aW8gPHBpenphbWlnQEZYZWVU0Qub3JnPokBVAQTAQoAphYhBjckIi0qqgi1Tzha
CHKCrDkEfwWWBQJZqRa0AhsDBQkFo5qABQsJCAcDBRUkCQgLBRyDAGEAh4BAheA
AAoJEHkCrDkEfwWW/R4H/itmCnoKU7Vp/U6sLbej68tzMUPfwcGAVLP5bRAdox7T
x2/tuWna+KUVGPtejqChgD5zsYYT0FwP5lhB+x7GyxCJxvd8VIwWeqBt+QLSKtcr
9WqaaIxp2+U6/bl/e/cQTxiSRpaXb8Ng5+vj0En3wsXyaJF7CTTCGUERQPC+gfn
HW5tZ4sjjNkbpMldPvgJr+FSrf/12iLxh0I4Nj4suy41G1kZ91EzNchZjKtc+ZA
0CtveCBU1aerFb1tA3Q07vt0cUcPpEtLRMZT0InuLtgKmwTK0VXtZwKztuSgcLm
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dRlxxD5xdXzcL6F1o4jXNquGXhWktEcWVJQMxSgaWY50bgwIh0Dms4zZmozMYVNB
aXVedlCahNvtL/wVvxeXkbIdwUPHom1GXwSx+hJN2NBuXujpens/CoZqIF8bfpnE
sa6HeC9ZdnZDzfpD8+m43Jk0l4tYb5kYdyoWUQI9qMCeFvZUV9QUlea8w2URB0La
8Mp67Qnx01bDay0P50XXiqXue9oP6tVug8yPpLzi0CkuWzog8EF01UCt8P7bHoa4
JvDeSPBZMB8Dvui6PLn780Ttxfhg56gy9K808x0KuJzEe1pDFw/xYiZBY+ZaDnKI
Wx5alxb0dtWnLzMAEQEAAyKBPAQYAQoAJhYhBA/vg78rGPy8ioHL0jGbzL8WRtLBQJb
TLrcAhsMBQkFo5qAAAOJEEjGbzL8WRtLI3UH/RJI2MfESLd/Rh7iXxnuZR5YqdvK
EOGakAMCG6IJuipBP+DCBg513/QgG/rXLTf4R3LX3AKs9HGjrnQ+GmiiG9+GH7Va
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Rx5ZL8cAqn+m0M9r0L2aDHJka/XLRxnsR8yUSIXyUrzVas/Kf0pnWxGBLW5/M89
RwX2E1RwgfQmsfowyVH020BlbvpLxuEfv0KL30k+qsuJ8q+9DuCbitTsPYXe7LD8
4uqrKm6fgJhFziZj040bMFOjgkPjB53x2U53FaNu4UEj3imZ5KLoeWdMBNfiHOM=
=+M0I
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.386. Ravi Pokala <rpokala@FreeBSD.org>

```
pub  rsa2048/6B10EA3564AB91D0 2018-08-27 [SC] [expires: 2021-08-26]
      Key fingerprint = 4681 5310 8C37 0E0C 77BF F228 6B10 EA35 64AB 91D0
uid   Ravi Pokala <rpokala@freebsd.org>
sub  rsa2048/02821157C36360C6 2018-08-27 [E] [expires: 2021-08-26]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQENBFuDaZgBCADHnvfcvZdibdiP/S81R05qmEvSstj00kHJPjBnL9R7E/dwAc26
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mICC9wmRrPlmBtyBgL+lI04NgHBqCEQ40XfW4f030JI5alUrHwrUdI1TLv1nw3zi
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01XSWagCMSgBmKRH4AK8mhq8iDrBoHJel99tPH3fcgopZZQ46mEL9d/QMFMef4Pj
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1XqAgXpaoNwJY+h5XFYMcAoe7f3XsQUccXcY6tK3J70dUP0ElkzNmDU6xEe8X1bz
6NZ4v0LbRxpZJub6vNK+n36mQi2Q1PCEijMFKoh5mwA0AD5/lWuXUA4=
=0b5V
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.387. John Polstra <jdp@FreeBSD.org>

```
pub 1024R/BFBCF449 1997-02-14 John D. Polstra <jdp@polstra.com>
Key fingerprint = 54 3A 90 59 6B A4 9D 61 BF 1D 03 09 35 8D F6 0D
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
```

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mQCNAzMElMEAAAEALizp6ZW9QifQgWoFmG3cXhzQ1+Gt+a4S1adC/TdHdBvwm1M/
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dkEGyyCLxqP6h/DU/tzNBdqFzetGtYvU4ftt3R00a506cr2CHcdm8Q+/vPRJAAUR
tCFKb2huIEQuIFBvbHN0cmEgPgpkcEBwb2xzdhJhLmNvbT6JAJUDBRAzBNBE9RVb
+45ULV0BAWgiA/0wW03+c3qlptPCHJ3DFm6Gg/qNKsY94agL/mH0r0fxMP5l2qKX
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EDMeT/DHvzEPv7z0SQEBXh8D/2egM5ckIRpGz9kcFTDClgdWwtlgwC1iI2p9gEhq
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C4BRRBXZfWY8s4+zT2WQD1aP0+ZsgRauYLkJgTvXTPU2JCN62Nsd8R7bJS5tuHEm
7HGmiQCVawUQMwSvHB9/qQgDWPY9AQAFAhAAQAgJ1AlbKITrEoJ0+pLIsoV3eQ348m
SVHEBGiK3Xznj8NzT9aYtq4TIzt8jplqP3QoVlka1yYpZf0NjvfZ+ffYp/sIaU
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=cHFa
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.388. Kirill Ponomarew <krion@FreeBSD.org>

```
pub rsa2048/0F223DFCB302CA45 2017-01-24 [SC] [expires: 2022-09-08]
Key fingerprint = 2421 D116 1100 42E8 CA9E 2D69 0F22 3DFC B302 CA45
uid Kirill Ponomarev <kp@krion.cc>
uid Kirill Ponomarev <krion@FreeBSD.org>
sub rsa2048/689A26385A12AC21 2017-01-24 [E] [expires: 2022-09-08]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

mQENBFiHjAUBCACqbxjoAKYBy/SepYd6+hJiG4LP0LfuiKq5oPIzzLyTW9PJhXKv  
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IwfSkmQmfjMC3i9vySEZWF0e09PjqRMHvRZfd7uv2I5isJACD5b0V0HGwaW0U6Pm  
755WaFCTMAU4si80rrrKkaMquridR46Q7+FCjiFsh8vPtPqJBQdk5Gyv7vaQtibi/  
FKjMGJVJxgb4si1F0/Zl806q0BDpCSbljvqT/Y22m0q0/UuVj5bvSHzbaZX0253  
J7t8unSoIwrLpZ2ISh4Je029w5t7C+do3M/VABEBAAG0HktpcmLSbCBQb25vbWVfY  
ZYgPGTqGtyaW9uLmNjPokBVwQTAQgAAQIbAwULCQgHAgYVCAkKcWIEFgIDAQIE  
AQIXgAUJCPJRhYhBCQh0RYRAELoy4taQ8iPfyZAspFBQJJa0ZeNAhkBAaOJEA8i  
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6bYqbcGd9Zi5DGe5jELCQBFOaWdTuFurvH0RjP0RwOM/5C8f3Ge4tEy1Zu6E8Kc  
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gAAKCRAPiJ38swLKRv/2B/491bU3AWr1YMkh+5rwwkZSsR7AKWmN5isjQTYc6rDz  
Y9uL/nE7CCBfmk5akhW6/S+AWNNGiD1fHMs146cAe3sRNIu3ynpJnJ2MUDIQYwt  
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Yym1IgiaBFI02pJ7iQFUBBMBCAA+FiEEJCHRfHEAQujKni1pDyI9/LMCykUFAlo5  
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ZUJTRC5vcmc+iQFUBBMBCAA+AhSDBQsJCAcCBhUICQoLAgQWAgMBAh4BAheAFiEE  
JCHRfHEAQujKni1pDyI9/LMCykUFAlm0U8sFCQqSyUYACgkQDyI9/LMCykXfgAf/  
bMaNXa68XcbUNoa7p/5WQpTYuTo+2YQE/Lddl9+GSRDaFcZfb3rqqgTe9eXW9xZC  
3stP1ZutDwvXPHStc5MGek+xB1CvzNxj5deMSuQ3ECdV2rjikyI1Llz/55e0+4M4  
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### 3.389. Stephane E. Potvin <sepotvin@FreeBSD.org>

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pub 1024D/3097FE7B 2002-08-06
Key fingerprint = 6B56 62FA ADE1 6F46 BB62 8B1C 99D3 97B5 3097 FE7B
uid Stephane E. Potvin <sepotvin@videotron.ca>
uid Stephane E. Potvin <stephane.potvin@telcobridges.com>
uid Stephane E. Potvin <stephane_potvin@telcobridges.com>
uid Stephane E. Potvin <sepotvin@FreeBSD.org>
sub 2048g/0C427BC9 2002-08-06
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### 3.390. Carlos J. Puga Medina <cpm@FreeBSD.org>

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pub 2048R/A1F35D66E6D05453 2015-07-25 [expires: 2018-06-01]
Key fingerprint = C60E 9497 5302 793B CC2D BB89 A1F3 5D66 E6D0 5453
uid Carlos Jacobo Puga Medina <cpm@FreeBSD.org>
uid Carlos Jacobo Puga Medina <cjpm@gmx.es>
uid Carlos Jacobo Puga Medina <cjplugmed@gmail.com>
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.391. Mark Pulford <markp@FreeBSD.org>

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pub 1024D/182C368F 2000-05-10 Mark Pulford <markp@FreeBSD.org>
Key fingerprint = 58C9 C9BF C758 D8D4 7022 8EF5 559F 7F7B 182C 368F
uid Mark Pulford <mark@kyne.com.au>
sub 2048g/380573E8 2000-05-10
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.392. Alejandro Pulver <alepulver@FreeBSD.org>

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pub 1024D/945C3F61 2005-11-13
Key fingerprint = 085F E8A2 4896 4B19 42A4 4179 895D 3912 945C 3F61
uid Alejandro Pulver (Ale's GPG key pair) <alepulver@FreeBSD.org>
uid Alejandro Pulver (Ale's GPG key pair) <alejandro@varnet.biz>
sub 2048g/6890C6CA 2005-11-13
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### 3.393. Kristof Provost <kp@FreeBSD.org>

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pub  rsa2048/6FC4DC71FB5E4A46 2015-03-23 [SC] [expires: 2020-03-23]
     Key fingerprint = 86FB A6CE 751B B4CC 9A0E 5172 6FC4 DC71 FB5E 4A46
uid  Kristof Provost <kp@freebsd.org>
sub  rsa2048/7287BC16FB5B8FA1 2015-03-23 [E] [expires: 2020-03-23]
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### 3.394. Thomas Quinot <[thomas@FreeBSD.org](mailto:thomas@FreeBSD.org)>

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pub 4096R/9495D5E10F2C905E 2014-05-14 [expires: 2018-05-13]
Key fingerprint = 6048 5466 BE2C 284C C140 FFE9 9495 D5E1 0F2C 905E
uid Thomas Quinot <thomas@quinot.org>
uid Thomas Quinot <thomas@cuivre.fr.eu.org>
uid Thomas Quinot (FreeBSD) <thomas@freebsd.org>
sub 4096R/DF8E0B5C7CC62EF2 2014-05-14 [expires: 2016-05-13]
sub 4096R/4FC12CCCD5176B 2014-05-14 [expires: 2016-05-13]
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pub 1024D/85AC8A80 2004-07-22 Herve Quiroz <hq@FreeBSD.org>
    Key fingerprint = 14F5 BC56 D736 102D 41AF A07B 1D97 CE6C 85AC 8A80
uid          Herve Quiroz <herve.quiroz@esil.univ-mrs.fr>
sub 1024g/8ECCAFED 2004-07-22

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### 3.396. Doug Rabson <[dfr@FreeBSD.org](mailto:dfr@FreeBSD.org)>

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pub 2048R/D841102E0B753B2F 2015-04-25 [expires: 2018-04-24]
    Key fingerprint = 9083 9CD0 6235 A655 70E2 A65A D841 102E 0B75 3B2F
uid                               Doug Rabson <dfr@freebsd.org>
sub 2048R/FCC3E849854E03FC 2015-04-25 [expires: 2018-04-24]

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### 3.397. Muhammad Moinur Rahman <[bofh@FreeBSD.org](mailto:bofh@FreeBSD.org)>

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pub rsa4096/BDB9B5A617C0BC91 2014-12-17 [expires: 2017-12-17]
    Key fingerprint = 4DF7 5112 8506 8D06 4A05 2F9F BDB9 B5A6 17C0 BC91
uid                               Muhammad Moinur Rahman <5u623l20@gmail.com>
uid                               Muhammad Moinur Rahman (Official) <moin@lasia-ahl.com>
uid                               Muhammad Moinur Rahman (FreeBSD) <bofh@freebsd.org>
sub rsa4096/3D4FC5F1173A113A 2014-12-17 [expires: 2017-12-17]

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### 3.398. Santhosh Raju <fox@FreeBSD.org>

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pub  rsa4096/94DB226DC0923D6D 2015-05-07 [SC]
     Key fingerprint = 00B8 FEAB F1E4 6E50 0E77 7FBF 94DB 226D C092 3D6D
uid  Santhosh Raju <santhosh.raju@gmail.com>
uid  Santhosh Raju (NetBSD email) <fox@netbsd.org>
uid  Santhosh Raju (FreeBSD email) <fox@freebsd.org>
sub  rsa4096/15A11655DFB8A99E 2015-05-07 [E]
sub  rsa4096/D6E34FF91FEC528F 2015-05-07 [S]
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### 3.399. Lars Balkler Rasmussen <lbr@FreeBSD.org>

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pub 1024D/9EF6F27F 2006-04-30
Key fingerprint = F251 28B7 897C 293E 04F8 71EE 4697 F477 9EF6 F27F
uid Lars Balkler Rasmussen <lbr@FreeBSD.org>
sub 2048g/A8C1CFD4 2006-04-30
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### 3.400. Chris Rees <crees@FreeBSD.org>

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pub 2048R/900F45A61E12E96A 2012-08-26
Key fingerprint = 8C57 BE3B D320 5FFC C4C3 C0B0 900F 45A6 1E12 E96A
uid Chris Rees <crees@physics.org>
uid Chris Rees <crees@FreeBSD.org>
sub 2048R/A703CC3500749D52 2015-03-08 [expires: 2018-03-07]
sub 2048R/D589B12E85B13424 2015-03-08 [expires: 2018-03-07]
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### 3.401. Jim Rees <rees@FreeBSD.org>

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pub 512/B623C791 1995/02/21 Jim Rees <rees@umich.edu>
Key fingerprint = 02 5F 1B 15 B4 6E F1 3E F1 C5 E0 1D EA CC 17 88

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### 3.402. Michael Reifenberger <mr@FreeBSD.org>

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Schl.-Fingerabdruck = 8695 9903 4744 6EF8 E18D 177C 335E 9D48 E27A 80A0
uid Michael Reifenberger <mr@freebsd.org>
uid Michael Reifenberger <mike@reifenberger.com>
sub 4096R/898AF56CFE7CD649 2013-11-04 [verfällt: 2018-11-03]

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**3.403. Benedict Reuschling <bcr@FreeBSD.org>**

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pub 2048R/A1D0C1D30585D158 2018-05-13
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uid          Benedict Reuschling <benedict@reuschling.org>
sub 2048R/55743BFD01E18D35 2018-05-13
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### 3.404. Matthew Rezny <rezny@FreeBSD.org>

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=nx/6
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### 3.405. Tom Rhodes <trhodes@FreeBSD.org>

```
pub 1024D/FB7D88E1 2008-05-07
Key fingerprint = 8279 3100 2DF2 F00E 7FDD AC2C 5776 23AB FB7D 88E1
uid Tom Rhodes (trhodes) <trhodes@FreeBSD.org>
sub 4096g/7B0CD79F 2008-05-07
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Version: GnuPG v2.0.9 (FreeBSD)
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-----END PGP PUBLIC KEY BLOCK-----

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### 3.406. Benno Rice <benno@FreeBSD.org>

```

pub 4096R/2B378974 2014-03-18 [expires: 2024-03-15]
     Key fingerprint = A9EE CFD4 5F9E 4F9B B2EB CDD2 4C06 467A 2B37 8974
uid  [ unknown] keybase.io/benno <benno@keybase.io>
sub 4096R/F8C837FC 2014-03-18 [expires: 2024-03-15]

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### 3.407. Alex Richardson <arichardson@FreeBSD.org>

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pub  rsa2048/563FFE62ECD8909F 2017-10-30 [SC] [expires: 2020-10-29]
      Key fingerprint = 16F8 9773 5BBD 6555 867B BEE1 563F FE62 ECD8 909F
uid  Alex Richardson <arichardson@FreeBSD.org>
sub  rsa2048/D6CA03D027F6F6B5 2017-10-30 [E] [expires: 2020-10-29]
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-----END PGP PUBLIC KEY BLOCK-----

**3.408. Beech Rintoul** <beech@FreeBSD.org>

```
pub 2048D/68DFAE1F 2013-02-26
    Key fingerprint = D58B 3E9D B0E3 E081 EC6F 69D9 CDA3 51DD 68DF AE1F
uid          Beech Rintoul <beech@freebsd.org>
sub 2048g/960F45D9 2013-02-26
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**3.409. Matteo Riondato** <matteo@FreeBSD.org>

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### 3.410. Ollivier Robert <[roberto@FreeBSD.org](mailto:roberto@FreeBSD.org)>

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**3.411. Craig Rodrigues <rodrigc@FreeBSD.org>**

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pub 1024D/3998479D 2005-05-20
    Key fingerprint = F01F EBE6 F5C8 6DC2 954F 098F D20A 8A2A 3998 479D
uid          Craig Rodrigues <rodrigc@freebsd.org>
uid          Craig Rodrigues <rodrigc@crodrigues.org>
sub 2048g/AA77E09B 2005-05-20
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**3.412. Larry Rosenman <ler@FreeBSD.org>**

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    Key fingerprint = 1E38 249D E761 5B3B C983 0573 697C 99B1 AB48 A77D
uid          Larry Rosenman <ler@FreeBSD.org>
uid          Larry Rosenman <ler@lerctr.org>
uid          Larry Rosenman <larryrtx@gmail.com>
uid          Larry Rosenman (WhereTo Senior Site Reliability &
Engineer) <larry@whereto.com>
uid          Larry Rosenman (IT Contractor) <lrosenman@spi-inc.org>
sub rsa2048/FD0614DC2AD28ED9 2017-01-10 [E] [expires: 2022-09-06]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.413. Craig Leres <leres@FreeBSD.org>

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pub  rsa2048/E6A12D12FCBF85E5 2017-09-08 [SC] [expires: 2020-09-07]
      Key fingerprint = A754 2364 5207 B964 2016 17E1 E6A1 2D12 FCBF 85E5
uid  Craig Leres <leres@freebsd.org>
uid  Craig Leres <leres@ee.lbl.gov>
uid  Craig Leres <leres@xse.com>
uid  Craig Leres <craigleres@gmail.com>
sub  rsa2048/6C3DC722090D9F71 2017-09-08 [E] [expires: 2020-09-07]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.414. Bartek Rutkowski <robak@FreeBSD.org>

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pub 4096R/280E1199 2013-06-17 [expires: 2017-06-17]
    Key fingerprint = D292 1363 AE61 D2BE 1740 9ED2 D99F C356 280E 1199
uid                               Bartek Rutkowski <robak@freebsd.org>
uid                               Bartek Rutkowski <contact@robakdesign.com>
uid                               Bartek Rutkowski <r@robakdesign.com>
sub 4096R/36F01FFE 2013-06-17 [expires: 2017-06-17]
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG/MacGPG2 v2.0.22 (Darwin)
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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.415. Guido van Rooij <[guido@FreeBSD.org](mailto:guido@FreeBSD.org)>

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pub dsa1024/2471117FA95102C1 2000-10-25 [SCA]
Key fingerprint = 5B3E 51B7 0E7A D170 0574 1E51 2471 117F A951 02C1
uid Guido van Rooij <guido@freebsd.org>
uid Guido van Rooij <guido@gvr.org>
uid Guido van Rooij <guido@madison-gurkha.nl>
uid Guido van Rooij <guido@madison-gurkha.com>
sub elg1024/16F7CB9BA5F20553 2000-10-25 [E]
sub rsa4096/C4BA4550BF5EC086 2013-09-09 [S]
sub rsa4096/C695FB4FA4FCE8C3 2013-09-09 [E]

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### 3.416. Eygene Ryabinkin <rea@FreeBSD.org>

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pub 3072D/8152ECFB 2010-10-27
Key fingerprint = 82FE 06BC D497 C0DE 49EC 4FF0 16AF 9EAE 8152 ECFB
uid Eygene Ryabinkin <rea-fbsd@code-labs.ru>
uid Eygene Ryabinkin <rea@freebsd.org>
uid Eygene Ryabinkin <rea@code-labs.ru>
sub 3072g/5FC03749 2010-10-27
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### 3.417. Aleksandr Rybalko <ray@FreeBSD.org>

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pub 2048R/4B7B7A4E 2011-05-24  
Key fingerprint = BB9F D01D 7327 0B33 B2F5 6C72 EC49 E6ED 4B7B 7A4E  
uid Aleksandr Rybalko (Aleksandr Rybalko FreeBSD project ↵  
identification) <ray@freebsd.org>  
sub 2048R/99F9F9EF 2011-05-24
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### 3.418. Andrew Rybchenko <arybchik@FreeBSD.org>

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pub 2048R/BB509584A3F4AEE6 2014-12-26 [expires: 2017-12-25]
Key fingerprint = C2E0 7B36 3A25 75E5 75EB FF79 BB50 9584 A3F4 AEE6
uid Andrew Rybchenko <arybchenko@solarflare.com>
uid Andrew Rybchenko <arybchik@FreeBSD.org>
uid Andrew Rybchenko <Andrew.Rybchenko@oktetlabs.ru>
uid Andrew Rybchenko <arybchik@gmail.com>
sub 2048R/BB28B694A902C314 2014-12-26 [expires: 2017-12-25]
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### 3.419. Niklas Saers <[niklas@FreeBSD.org](mailto:niklas@FreeBSD.org)>

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pub 1024D/C822A476 2004-03-09 Niklas Saers <niklas@saers.com>
    Key fingerprint = C41E F734 AF0E 3D21 7499 9EB1 9A31 2E7E C822 A476
sub 1024g/81E2FF36 2004-03-09
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### 3.420. Boris Samorodov <[bsam@FreeBSD.org](mailto:bsam@FreeBSD.org)>

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pub rsa4096/960E20B03A3F6D28 2013-11-22 [SC] [expires: 2023-11-18]
    Key fingerprint = 8848 3672 3C1B C02B EA0B 5674 960E 20B0 3A3F 6D28
uid Boris Samorodov <bsam@FreeBSD.org>
uid Boris Samorodov <bsam@passap.ru>
sub rsa4096/41BFAE676CF00B2D 2013-11-22 [E] [expires: 2023-11-18]
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/67o5FbbCZ3m4fEbK8AMHxjJhGNHqxxIvMunsqtWwQardElwHdoNiL2vhNev+BJ
mTg/SzCEReqj2iJ13BGju2/oluhHCW0sbUWj3VbkfynBXmIb9HQSwzaT9ogAw5MG
JnYuSTRsEfraF3+aninTzPQTXZAv8hhsftW5e3P10gAqIy0AAQDicN7nwgS CR8QC
E02xK1Iw4S0VczP/fluCxsuWNLXqeaB37wVABEBAAGJAjwEGAEIACYGwwWIQSI
SDZyPBvAK+oLVnSWDiCw0j9tKAUCW/MlgQUJESmajwAKCRCWdiCw0j9tKFiMD/0V
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fZFrWSh9YdrPt14Lq/xCa2aIr75WVpEek0145CgxKg==
=ffTg
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.421. Mark Santcroos <marks@FreeBSD.org>

```

pub      1024D/DBE7EB8E 2005-03-08
          Key fingerprint = C0F0 44F3 3F15 520F 6E32  186B BE0A BA42 DBE7 EB8E
uid      Mark Santcroos <marks@ripe.net>
uid      Mark Santcroos <mark@santcroos.net>
uid      Mark Santcroos <marks@freebsd.org>
sub      2048g/FFF80F85 2005-03-08

```

-----BEGIN PGP PUBLIC KEY BLOCK-----

```

mQGibEItZGARBADLwd04ILGjaq10V/1cNTU36Ggwx2fKt10QSFgfzkQDB2Ff0R/P
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2lpP2YQeA0sCGPnl6QjFYX1pbehP07CSen0ApDBmfJx/B0J8AwCh9utzmwCgwmBt
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G0jdrQ79BT2Ze3g97ReKjQCcQ0FY0Gz9XMD+0GfG5Mfdwe4pGx6DUx0Y0JqL+2p
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```

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IdA=
=F4/l
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.422. Alonso Schaich <[alonso@FreeBSD.org](mailto:alonso@FreeBSD.org)>

```
pub 2048R/FF8F6B6D0AACFC67 2014-08-27 [expires: 2017-08-26]
Key fingerprint = FED5 7BC8 DEB9 94D9 B52C 0A35 FF8F 6B6D 0AAC FC67
uid Alonso Schaich <alonso@freebsd.org>
sub 2048R/34F58C3C6B80DE68 2014-08-27 [expires: 2017-08-26]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.423. Bernhard Schmidt <[bschmidt@FreeBSD.org](mailto:bschmidt@FreeBSD.org)>

```
pub 1024D/5F754FBC 2009-06-15
Key fingerprint = 6B87 C8A9 6BA5 6B18 11CF 8C38 A1B7 0731 5F75 4FBC
uid Bernhard Schmidt <bschmidt@FreeBSD.org>
```



```
uid          Bernhard Schmidt <bschmidt@techwires.net>
sub 1024g/1945DC1D 2009-06-15
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-----END PGP PUBLIC KEY BLOCK-----

### 3.424. Wolfram Schneider <wosch@FreeBSD.org>

```
pub  rsa4096/8159601B91151BAB 2017-07-17 [SC]
     Key fingerprint = DA86 C439 E28D 0BA8 F032 BDC6 8159 601B 9115 1BAB
uid          Wolfram Schneider <wosch@FreeBSD.org>
sub  rsa4096/DD3A53A813820060 2017-07-17 [E]
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.425. Ed Schouten <ed@FreeBSD.org>

```
pub 2048R/A407DC0D9F74246B 2016-03-03 [expires: 2021-03-02]
    Key fingerprint = F8CB 2A43 4CCA AEE7 F0BF 6A47 A407 DC0D 9F74 246B
uid                               Ed Schouten (FreeBSD, https://freebsd.org/) <ed@freebsd.org>
uid                               Ed Schouten (Nuxi, https://nuxi.nl/) <ed@nuxi.nl>
sub 2048R/66C17FAB03333635 2016-03-03 [expires: 2021-03-02]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.426. Cy Schubert <cy@FreeBSD.org>

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pub 1024D/CC81BA38D8BFCD8E 2000-01-08
Key fingerprint = 8F40 99AC E9E3 7AB7 CB26 AF0C CC81 BA38 D8BF CD8E
uid Cy Schubert <Cy.Schubert@komquats.com>
uid Cy Schubert <cy@komquats.com>
uid Cy Schubert <cy@FreeBSD.org>
uid Cy Schubert <Cy.Schubert@cscschubert.com>
uid Cy Schubert <cy@cscschubert.com>
uid Cy Schubert <Cy.Schubert@vibsd.org>
uid Cy Schubert <cy@vibsd.org>
uid Cy Schubert <Cy.Schubert@vibsd.net>
uid Cy Schubert <cy@vibsd.net>
sub 3072g/F1FECA6C86D691BA 2000-01-08
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.427. David Schultz <das@FreeBSD.org>

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pub 1024D/BE848B57 2001-07-19 David Schultz <das@FreeBSD.ORG>
Key fingerprint = 0C12 797B A9CB 19D9 FDAF 2A39 2D76 A2DB BE84 8B57
uid David Schultz <dschultz@uclink.Berkeley.EDU>
uid David Schultz <das@FreeBSD.ORG>
sub 2048g/69206E8E 2001-07-19
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-----END PGP PUBLIC KEY BLOCK-----
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**3.428. Michael Scheidell** <[scheidell@FreeBSD.org](mailto:scheidell@FreeBSD.org)>

```
pub 2048R/34622C1D 2011-11-16
    Key fingerprint = 0A0C 9ECA 18EC 47AC C715 2187 91B9 F9FE 3462 2C1D
uid                               Michael Scheidell <scheidell@freebsd.org>
sub 2048R/8F241971 2011-11-16
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-----END PGP PUBLIC KEY BLOCK-----
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**3.429. Jens Schweikhardt** <[schweikh@FreeBSD.org](mailto:schweikh@FreeBSD.org)>

```
pub 1024D/0FF231FD 2002-01-27 Jens Schweikhardt <schweikh@FreeBSD.org>
    Key fingerprint = 3F35 E705 F02F 35A1 A23E 330E 16FE EA33 0FF2 31FD
uid                               Jens Schweikhardt <schweikh@schweikhardt.net>
sub 1024g/6E93CACC 2002-01-27 [expires: 2005-01-26]
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.431. Thomas-Martin Seck <tmseck@FreeBSD.org>

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pub 1024D/DF46EE05 2000-11-22
Key fingerprint = A38F AE66 6B11 6EB9 5D1A B67D 2444 2FE1 DF46 EE05
uid Thomas-Martin Seck (Privat 2) <tmseck@netcologne.de>
uid Thomas-Martin Seck (Privat) <tmseck@web.de>
uid Thomas-Martin Seck (FreeBSD) <tmseck@FreeBSD.org>
sub 2048g/3DC33B0F 2000-11-22
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### 3.432. Stanislav Sedov <stas@FreeBSD.org>

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pub  2048R/5617EAFB 2013-09-15 [expires: 2018-09-14]
      Key fingerprint = 4C01 9D03 543E C623 3FF7 0D34 6D8E 4C9F 5617 EAFB
uid   Stanislav Sedov <stas@FreeBSD.org>
uid   Stanislav Sedov <stas@deglitch.com>
sub   2048R/55012891 2013-09-15 [expires: 2018-09-14]
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### 3.433. Johannes Lundberg <johalun@FreeBSD.org>

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pub  rsa2048/EA12C703EFA379E9 2019-01-21 [SC] [expires: 2022-01-20]
      Key fingerprint = 93A4 33AF 441C 69C1 A76C F2D1 EA12 C703 EFA3 79E9
uid  Johannes Lundberg <johalun@FreeBSD.org>
sub  rsa2048/3CB8D2FC2F4505B3 2019-01-21 [E] [expires: 2022-01-20]
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### 3.434. Johan van Selst <[johans@FreeBSD.org](mailto:johans@FreeBSD.org)>

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pub 4096R/D3AE8D3A 2009-09-01
    Key fingerprint = 31C8 D089 DDB6 96C6 F3C1 29C0 A9C8 6C8D D3AE 8D3A
uid      Johan van Selst
uid      Johan van Selst <johans@gletsjer.net>
uid      Johan van Selst <johans@stack.nl>
uid      Johan van Selst <johans@FreeBSD.org>
uid      Johan van Selst (GSWoT:NL50) <johans@gswot.org>
sub 2048R/B002E38C 2009-09-01
sub 2048R/1EBCAECB 2009-09-01
sub 2048R/639A1446 2009-09-01
sub 3072D/6F2708F4 2009-09-01
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**3.435. Lev Serebryakov <lev@FreeBSD.org>**

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.436. Bakul Shah <bakul@FreeBSD.org>

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pub 1024D/86AEE4CB 2006-04-20
Key fingerprint = 0389 26E8 381C 6980 AEC0 10A5 E540 A157 86AE E4CB
uid Bakul Shah <bakul@freebsd.org>
sub 2048g/5C3DCC24 2006-04-20

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### 3.437. Gregory Neil Shapiro <gshapiro@FreeBSD.org>

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pub 4096R/7B529648EE857264 2017-08-27 [expires: 2021-08-25]
Key fingerprint = 296C 94DB D028 0245 BFD3 91D7 7B52 9648 EE85 7264
uid Gregory Neil Shapiro <gshapiro@gshapiro.net>
uid Gregory Neil Shapiro <gshapiro@FreeBSD.org>
uid Gregory Neil Shapiro <gshapiro@sendmail.org>
sub 4096R/E06797B94ECB7FF3 2017-08-27 [expires: 2021-08-25]
sub 4096R/389DBDBF7CB42F23 2017-08-27 [expires: 2021-08-25]
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### 3.438. Arun Sharma <arun@FreeBSD.org>

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pub 1024D/7D112181 2003-03-06 Arun Sharma <arun@sharma-home.net>
    Key fingerprint = A074 41D6 8537 C7D5 070E 0F78 0247 1AE2 7D11 2181
uid                               Arun Sharma <arun@freebsd.org>
uid                               Arun Sharma <arun.sharma@intel.com>
sub 1024g/ACAD98DA 2003-03-06 [expires: 2005-03-05]

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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.439. Wesley Shields <[wxs@FreeBSD.org](mailto:wxs@FreeBSD.org)>

```

pub 1024D/17F0AA37 2007-12-27
    Key fingerprint = 96D1 2E6B F61C 2F3D 83EF 8F0B BE54 310C 17F0 AA37
uid                               Wesley Shields <wxs@FreeBSD.org>
uid                               Wesley Shields <wxs@atarininja.org>
sub 2048g/2EDA1BB8 2007-12-27

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-----END PGP PUBLIC KEY BLOCK-----

```

### 3.440. Norikatsu Shigemura <[nork@FreeBSD.org](mailto:nork@FreeBSD.org)>

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pub 1024D/7104EA4E 2005-02-14
    Key fingerprint = 9580 60A3 B58A 0864 79CB 779A 6FAE 229B 7104 EA4E
uid                               Norikatsu Shigemura <nork@cityfujisawa.ne.jp>
uid                               Norikatsu Shigemura <nork@ninth-nine.com>
uid                               Norikatsu Shigemura <nork@FreeBSD.org>

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sub 4096g/EF56997E 2005-02-14
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.441. Shteryana Shopova <[syrinx@FreeBSD.org](mailto:syrinx@FreeBSD.org)>

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pub  rsa4096/7E9F44B735047F7A 2013-09-24 [SC] [expires: 2020-09-01]
      Key fingerprint = 553E E193 4023 FBDC A362 27DF 7E9F 44B7 3504 7F7A
uid   Shteryana Sotirova Shopova <syrinx@FreeBSD.org>
uid   Shteryana Sotirova Shopova <shteryana@FreeBSD.org>
uid   Shteryana Sotirova Shopova <shteryana@gmail.com>
uid   Shteryana Sotirova Shopova <shteryana@protonmail.ch>
sub  rsa4096/A96C9364E509C37A 2013-09-24 [E] [expires: 2020-09-01]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.442. Vanilla I. Shu <vanilla@FreeBSD.org>

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pub 1024D/ACE75853 2001-11-20 Vanilla I. Shu <vanilla@FreeBSD.org>
Key fingerprint = 290F 9DB8 42A3 6257 5D9A 5585 B25A 909E ACE7 5853
sub 1024g/CE695D0E 2001-11-20
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.443. Ashish SHUKLA <[ashish@FreeBSD.org](mailto:ashish@FreeBSD.org)>

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pub  rsa4096/C746CFA9E74FA4B0 2010-04-13 [SC] [expires: 2020-08-30]
     Key fingerprint = F682 CDCC 39DC 0FEA E116 20B6 C746 CFA9 E74F A4B0
uid  Ashish SHUKLA (Lost Case) <ashish.is@lostca.se>
uid  Ashish SHUKLA <wahjava@gmail.com>
uid  Ashish SHUKLA <wahjava@googlemail.com>
uid  Ashish SHUKLA <wahjava.ml@gmail.com>
uid  Ashish SHUKLA <wahjava@members.fsf.org>
uid  Ashish SHUKLA <wahjava@users.sourceforge.net>
uid  Ashish SHUKLA <wah.java@yahoo.com>
uid  Ashish SHUKLA <wah_java@hotmail.com>
uid  Ashish SHUKLA <wahjava@member.fsf.org>
uid  Ashish SHUKLA (FreeBSD Committer Address) <
<ashish@FreeBSD.ORG>
uid  Ashish SHUKLA (Work Address) <ashish@automatic.com>
uid  Ashish SHUKLA (Lost Case) <abbe@lostca.se>
uid  Ashish SHUKLA (Personal Email) <ashish@members.fsf.org>
uid  [jpeg image of size 4655]
uid  Ashish SHUKLA <ashish@INET6.IN>
sub  rsa4096/975CA8A8F20D202D 2010-04-13 [E]
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### 3.444. Chuck Silvers <chs@FreeBSD.org>

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### 3.445. Bruce M. Simpson <bms@FreeBSD.org>

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### 3.446. Dmitry Sivachenko <[demon@FreeBSD.org](mailto:demon@FreeBSD.org)>

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pub 1024D/13D5DF80 2002-03-18 Dmitry Sivachenko <mitya@cavia.pp.ru>
Key fingerprint = 72A9 12C9 BB02 46D4 4B13 E5FE 1194 9963 13D5 DF80
uid Dmitry S. Sivachenko <demon@FreeBSD.org>
sub 1024g/060F6DBD 2002-03-18

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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.447. Jesper Skriver <[jesper@FreeBSD.org](mailto:jesper@FreeBSD.org)>

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pub 1024D/F9561C31 2001-03-09 Jesper Skriver <jesper@FreeBSD.org>
Key fingerprint = 6B88 9CE8 66E9 E631 C9C5 5EB4 22AB F0EC F956 1C31

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uid Jesper Skriver <jesper@skriver.dk>
uid Jesper Skriver <jesper@wheel.dk>
sub 1024g/777C378C 2001-03-09
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.448. Ville Skyttä <[scop@FreeBSD.org](mailto:scop@FreeBSD.org)>

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pub 1024D/BCD241CB 2002-04-07 Ville Skyttä <ville.skytta@iki.fi>
    Key fingerprint = 4E0D EBAB 3106 F1FA 3FA9 B875 D98C D635 BCD2 41CB
uid                               Ville Skyttä <ville.skytta@xemacs.org>
uid                               Ville Skyttä <scop@FreeBSD.org>
sub 2048g/9426F4D1 2002-04-07
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Version: GnuPG v1.0.7 (GNU/Linux)
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.449. Andrey Slusar <[anray@FreeBSD.org](mailto:anray@FreeBSD.org)>

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pub 1024D/AE7B5418 2005-12-12
    Key fingerprint = DE70 C24B 55A0 4A06 68A1 D425 3C59 9A9B AE7B 5418
uid                               Andrey Slusar <anray@ext.by>
uid                               Andrey Slusar <anrays@gmail.com>
uid                               Andrey Slusar <anray@FreeBSD.org>
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sub 2048g/7D0EB77D 2005-12-12

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### 3.450. Florian Smeets <flo@FreeBSD.org>

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pub rsa4096/EF5BA4DCD5A9F3C0 2018-01-31 [SC] [expires: 2022-01-31]
Key fingerprint = ECB3 68B8 7908 BFB6 914D 7269 EF5B A4DC D5A9 F3C0
uid Florian Smeets <flo@smeets.xyz>
uid Florian Smeets <flo@FreeBSD.org>
sub rsa4096/D46EC80E1D10DEF6 2018-01-31 [E] [expires: 2022-01-31]
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### 3.451. Gleb Smirnov <[gglebius@FreeBSD.org](mailto:gglebius@FreeBSD.org)>

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pub 2048D/6C7E5E82 2013-01-30 [expires: 2023-08-25]
Key fingerprint = 6E06 7260 B83D CF2C A93C 566F 5185 0968 6C7E 5E82
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uid Gleb Smirnoff <glebius@FreeBSD.org>  
sub 2048g/11E89DCE 2013-01-30 [expires: 2023-08-25]

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3.452. Ken Smith <kensmith@FreeBSD.org>

pub 1024D/29AEA7F6 2003-12-02 Ken Smith <kensmith@cse.buffalo.edu>  
Key fingerprint = 4AB7 D302 0753 8215 31E7 F1AD FC6D 7855 29AE A7F6  
uid Ken Smith <kensmith@freebsd.org>  
sub 1024g/0D509C6C 2003-12-02

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.453. Ben Smithurst <ben@FreeBSD.org>

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pub 1024D/2CEF442C 2001-07-11 Ben Smithurst <ben@LSRfm.com>
    Key fingerprint = 355D 0FFF B83A 90A9 D648 E409 6CFC C9FB 2CEF 442C
uid                               Ben Smithurst <ben@vinosystems.com>
uid                               Ben Smithurst <ben@smithurst.org>
uid                               Ben Smithurst <ben@FreeBSD.org>
uid                               Ben Smithurst <csxbsc@comp.leeds.ac.uk>
uid                               Ben Smithurst <ben@scientia.demon.co.uk>
sub 1024g/347071FF 2001-07-11
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Version: GnuPG v1.0.6 (FreeBSD)  
 Comment: For info see http://www.gnupg.org

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-----END PGP PUBLIC KEY BLOCK-----

### 3.454. Dag-Erling Smørgrav <des@FreeBSD.org>

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pub 4096R/92C843456DA6A66E 2013-09-24 [expires: 2021-01-01]
    Key fingerprint = BB57 22E5 C9B6 77D1 73C3 8CFC 92C8 4345 6DA6 A66E
uid                               Dag-Erling Smørgrav <des@des.no>
uid                               Dag-Erling Smørgrav <des@freebsd.org>
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sub 4096R/9B90A1FC8FBEC80 2013-09-24 [expires: 2021-01-01]
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### 3.455. Maxim Sobolev <[sobomax@FreeBSD.org](mailto:sobomax@FreeBSD.org)>

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pub  rsa2048/2C6191C1AA88C0E4 2016-08-18 [SC]
     Key fingerprint = 413E 9D39 CAB6 F596 938A  FD36 2C61 91C1 AA88 C0E4
uid  Maksym Sobolyev <sobomax@FreeBSD.org>
sub  rsa2048/6488FC11696D8A2E 2016-08-18 [E]
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### 3.456. Alan Somers <[asomers@FreeBSD.org](mailto:asomers@FreeBSD.org)>

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pub  rsa4096/5F7463BCDA05FCE8 2013-04-25 [SC] [expires: 2023-04-20]
     Key fingerprint = 9CD4 C982 738F 8B90 25E8  E6B3 5F74 63BC DA05 FCE8
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uid Alan Somers <asomers@gmail.com>
uid Alan Somers <asomers@freebsd.org>
sub rsa4096/1C1569DC4E121B3E 2013-04-25 [E] [expires: 2023-04-20]
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### 3.457. Brian Somers <brian@FreeBSD.org>

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pub 1024R/666A7421 1997-04-30 Brian Somers <brian@freebsd-services.com>
Key fingerprint = 2D 91 BD C2 94 2C 46 8F 8F 09 C4 FC AD 12 3B 21
uid Brian Somers <brian@awfulhak.org>
uid Brian Somers <brian@FreeBSD.org>
uid Brian Somers <brian@OpenBSD.org>
uid Brian Somers <brian@uk.FreeBSD.org>
uid Brian Somers <brian@uk.OpenBSD.org>
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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----
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**3.458. Stacey Son <[sson@FreeBSD.org](mailto:sson@FreeBSD.org)>**

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pub 1024D/CE8319F3 2008-07-08
    Key fingerprint = 64C7 8D92 C1DF B940 1171 5ED3 186A 758A CE83 19F3
uid                               Stacey Son <sson@FreeBSD.org>
uid                               Stacey Son <stacey@son.org>
uid                               Stacey Son <sson@byu.net>
uid                               Stacey Son <sson@secure.net>
uid                               Stacey Son <sson@dev-random.com>
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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i88y043uK0TpaNeumFrhKHoJoEA5LqHGGzHRQJ0oxN6h4ydq7AkPSVBZwqoIDTaB
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7LcMs0/q+4VdAk4An12bm3nDCYxciQr72p+ASCEi0tkD
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```

```
-----END PGP PUBLIC KEY BLOCK-----
```

**3.459. Nicolas Souchu <[nsouch@FreeBSD.org](mailto:nsouch@FreeBSD.org)>**

```
pub 1024D/C744F18B 2002-02-13 Nicholas Souchu <nsouch@freebsd.org>
    Key fingerprint = 992A 144F AC0F 40BA 55AE DE6D 752D 0A6C C744 F18B
sub 1024g/90BD3231 2002-02-13
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: Pour information voir http://www.gnupg.org
```

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mQGibDxq4ZARBACJSN3t0e7d8A7LnfvsKsNNfMwbanu/f3vEhDEj4D4X2QLKyk8t
```



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=A6my
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.460. Suleiman Souhla <[ssouhla@FreeBSD.org](mailto:ssouhla@FreeBSD.org)>

```
pub 1024D/2EA50469 2004-07-24 Suleiman Souhla <ssouhla@FreeBSD.org>
Key fingerprint = DACF 89DB 54C7 DA1D 37AF 9A94 EB55 E272 2EA5 0469
sub 2048g/0CDCC535 2004-07-24
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.461. Toomas Soome <[tsoome@FreeBSD.org](mailto:tsoome@FreeBSD.org)>

```
pub rsa2048/2122152BF3A02E04 2016-08-12 [SC] [expires: 2019-08-12]
Key fingerprint = F124 FC08 9CA4 2331 5715 AB6D 2122 152B F3A0 2E04
uid Toomas Soome <tsoome@FreeBSD.org>
sub rsa2048/E8EDE9371F445697 2016-08-12 [E] [expires: 2019-08-12]
```



-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----

### 3.462. Luiz Otavio O Souza <loos@FreeBSD.org>

```
pub 2048R/39165690 2013-07-03
Key fingerprint = ABC9 71D9 016E 8D4A 936D D748 6252 872F 3916 5690
uid Luiz Otavio O Souza <loos.br@gmail.com>
uid Luiz Otavio O Souza <loos@freebsd.org>
sub 2048R/9D089395 2013-07-03
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
```

### 3.463. Bernard Spil <brnrnd@FreeBSD.org>

```
pub 4096R/30C614DDDD542A0 2016-06-08 [expires: 2026-06-06]
Key fingerprint = 53CD 858B 6933 3369 CF82 E180 30C6 14DD DDF5 42A0
uid Bernard Spil <brnrnd@brnrnd.eu>
uid Bernard Spil <brnrnd@FreeBSD.org>
sub 4096R/573328B91C62FD46 2016-06-08 [expires: 2026-06-06]
sub 4096R/E1CF76D8A91D14FE 2019-06-19 [expires: 2022-06-18]
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-----BEGIN PGP PUBLIC KEY BLOCK-----

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### 3.464. Ulrich Spörlein <uqs@FreeBSD.org>

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### 3.465. Rink Springer <rink@FreeBSD.org>

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pub 1024D/ECEDBFFF 2003-09-19
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### 3.466. Vsevolod Stakhov <[vsevolod@FreeBSD.org](mailto:vsevolod@FreeBSD.org)>

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### 3.467. Piotr Paweł Stefaniak <pstef@FreeBSD.org>

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pub  rsa2048/4A792AC1C54BEE59 2016-12-18 [SC]
     Key fingerprint = 95A2 CD66 E969 FD07 0741 1D8A 4A79 2AC1 C54B EE59
uid          Piotr Stefaniak <pstef@freebsd.org>
sub  rsa2048/8B3EDEA9D727E357 2016-12-18 [E]
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### 3.468. Ryan Steinmetz <zi@FreeBSD.org>

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pub 2048R/1EF8BA6BD02846D7 2014-02-03 [expires: 2019-02-02]
Key fingerprint = 9079 51A3 34EF 0CD4 F228 EDC6 1EF8 BA6B D028 46D7
uid Ryan Steinmetz <zi@zi0r.com>
uid Ryan Steinmetz <rsteinme@cisco.com>
uid Ryan Steinmetz <zi@FreeBSD.org>
sub 2048R/A8A08AA9D827E5F8 2014-02-03 [expires: 2019-02-02]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.469. Lawrence Stewart <lstewart@FreeBSD.org>

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pub 4096R/9A50BCFCF40D9B09 2014-05-08 [expires: 2024-05-05]
Key fingerprint = 8FB2 E9A3 39EA 78A1 5E1D B8A2 9A50 BCFC F40D 9B09
uid Lawrence A. Stewart <lstewart@freebsd.org>
uid Lawrence A. Stewart <lawrencestewart@gmail.com>
uid Lawrence A. Stewart <lstewart@netflix.com>
uid Lawrence A. Stewart <lstewart@room52.net>
sub 4096R/ACCB4CCFAB4EDC2D 2014-05-08 [expires: 2024-05-05]
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### 3.470. Randall R. Stewart <rrs@FreeBSD.org>

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pub 2048R/71D3BF532B7BEF39 2015-04-27 [expires: 2018-04-26]
    Key fingerprint = 835D A1ED 279B E300 175A 5BAA 71D3 BF53 2B7B EF39
uid                                     Randall Stewart <rrs@freebsd.org>
sub 2048R/1C2A8AA80F55CAEB 2015-04-27 [expires: 2018-04-26]

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### 3.471. Murray Stokely <murray@FreeBSD.org>

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pub 1024D/0E451F7D 2001-02-12 Murray Stokely <murray@freebsd.org>
    Key fingerprint = E2CA 411D DD44 53FD BB4B 3CB5 B4D7 10A2 0E45 1F7D
sub 1024g/965A770C 2001-02-12

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Comment: For info see http://www.gnupg.org

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### 3.472. Volker Stolz <vs@FreeBSD.org>

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.473. Ryan Stone <rstone@FreeBSD.org>

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pub  rsa2048/28A3D46F1893B342 2017-07-20 [SC] [expires: 2020-07-19]
      Key fingerprint = 68FE 9892 6CE5 73A6 71BA B0C2 28A3 D46F 1893 B342
uid          Ryan Stone <rstone@FreeBSD.org>
sub  rsa2048/CFBA4601326C45F8 2017-07-20 [E] [expires: 2020-07-19]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.474. Søren Straarup <[xride@FreeBSD.org](mailto:xride@FreeBSD.org)>

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pub 1024D/E683AD40 2006-09-28
    Key fingerprint = 8A0E 7E57 144B BC25 24A9 EC1A 0DBC 3408 E683 AD40
uid                               Soeren Straarup <xride@xride.dk>
uid                               Soeren Straarup <xride@FreeBSD.org>
uid                               Soeren Straarup <xride@x12.dk>
sub 2048g/2B18B3B8 2006-09-28
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.475. Marius Strobl <[marius@FreeBSD.org](mailto:marius@FreeBSD.org)>

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pub 4096R/20B70DE13F1D1E4F 2013-09-26
    Key fingerprint = 53D9 B435 5F95 980F C5D7 6B02 20B7 0DE1 3F1D 1E4F
uid                               Marius Strobl <marius@FreeBSD.org>
uid                               Marius Strobl <marius@alchemy.franken.de>
sub 4096R/862A3771EFEA91B6 2013-09-26
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### 3.476. Carlo Strub <cs@FreeBSD.org>

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-----END PGP PUBLIC KEY BLOCK-----
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pub 1024D/956E8BC1 2003-09-12 Cheng-Lung Sung <clsung@FreeBSD.org>
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sub 1024g/1FB800C2 2003-09-12
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### 3.478. Gregory Sutter <[gsutter@FreeBSD.org](mailto:gsutter@FreeBSD.org)>

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pub 1024D/845DFEDD 2000-10-10 Gregory S. Sutter <gsutter@zer0.org>
Key fingerprint = D161 E4EA 4BFA 2427 F3F9 5B1F 2015 31D5 845D FEDD
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uid Gregory S. Sutter <gsutter@pobox.com>
sub 2048g/0A37BBCE 2000-10-10
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.479. Koichi Suzuki <metal@FreeBSD.org>

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pub 1024D/AE562682 2004-05-23 SUZUKI Koichi <metal@FreeBSD.org>
Key fingerprint = 92B9 A202 B5AB 8CB6 89FC 6DD1 5737 C702 AE56 2682
sub 4096g/730E604B 2004-05-23
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### 3.480. Ryusuke SUZUKI <ryusuke@FreeBSD.org>

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pub rsa2048/2630ECE1F275CA22 2016-12-25 [SC] [expires: 2019-12-25]
Key fingerprint = DE5F 8C81 BEB6 81F9 6180 0979 2630 ECE1 F275 CA22
uid Ryusuke SUZUKI <ryusuke@FreeBSD.org>
sub rsa2048/A296632D2F77A633 2016-12-25 [E] [expires: 2019-12-25]
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-----END PGP PUBLIC KEY BLOCK-----

### 3.481. Gary W. Swearingen <garys@FreeBSD.org>

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pub 1024D/FAA48AD5 2005-08-22 [expires: 2007-08-22]
    Key fingerprint = 8292 CC3E 81B5 E54F E3DD F987 FA52 E643 FAA4 8AD5
uid          Gary W. Swearingen <garys@freebsd.org>
sub 2048g/E34C3CA0 2005-08-22 [expires: 2007-08-22]
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### 3.482. Yoshihiro Takahashi <[nyan@FreeBSD.org](mailto:nyan@FreeBSD.org)>

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pub 4096R/6624859E 2012-11-18  
Key fingerprint = 1CA5 445E 7ABD BC21 AEC0 7B89 47D7 4EFF 6624 859E  
uid Yoshihiro TAKAHASHI <nyan@furiru.org>  
uid Yoshihiro TAKAHASHI <nyan@FreeBSD.org>  
uid Yoshihiro TAKAHASHI <nyan@jp.FreeBSD.org>  
sub 4096R/362726EA 2012-11-18
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.483. Sahil Tandon <[sahil@FreeBSD.org](mailto:sahil@FreeBSD.org)>

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pub 2048R/C016D977 2010-04-08
Key fingerprint = 6AD2 BA99 8E3A 8DA6 DFC1 53CF DBD0 6001 C016 D977
uid Sahil Tandon <sahil@tandon.net>
uid Sahil Tandon <sahil@FreeBSD.org>
sub 2048R/F7776FBC 2010-04-08
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### 3.484. TAKATSU Tomonari <tota@FreeBSD.org>

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pub 1024D/67F58F29 2009-05-17
Key fingerprint = 6940 B575 FC4A FA26 C094 279A 4B9B 6326 67F5 8F29
uid TAKATSU Tomonari <tota@FreeBSD.org>
sub 2048g/18B112CD 2009-05-17
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### 3.485. Romain Tartière <romain@FreeBSD.org>

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pub 3072R/5112336F 2010-04-09
Key fingerprint = 8234 9A78 E7C0 B807 0B59 80FF BA4D 1D95 5112 336F
uid Romain Tartière <romain@blogreen.org>
uid Romain Tartière (FreeBSD) <romain@FreeBSD.org>
sub 3072R/C1B2B656 2010-04-09
sub 3072R/8F8125F4 2010-04-09
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a04SQiU8z4/y/Yv0p2ASCM8dGxwzflFMQXs4Ppx/5ZfXm3Mo1MKC4PXDlTOTLu7jS  
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```
=AUXU
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.486. Sylvio Cesar Teixeira <[sylvio@FreeBSD.org](mailto:sylvio@FreeBSD.org)>

```
pub 2048R/AA7395A1 2009-10-28
    Key fingerprint = B319 6AAF 0016 4308 6D93 E652 3C5F 21A2 AA73 95A1
uid                               Sylvio Cesar Teixeira (My key) <sylvio@FreeBSD.org>
sub 2048R/F758F556 2009-10-28
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQENBERoxHYBCAD8d4HA1tGibcHpjy0TeiQ7+yclqvB8bzWazJf10eHwHcY+Rt46
gVxADP5QPLhMaiw4nYNr+bSg+RDI0G3bmxqDZpmw38508Nwd/w8XjgQSV/Phnju0
pfrvhXfmGG/f6C5D5D+IRJ5dffW65YuDXtsIPT0uBCwmq9NSRK0/w4VZBL1+ihDi
oDhAwnkxfAXN5luY98o1GVxQNpd/ZKjb+lsvAwoXDSjn3R2bGZbA2LBIH1Y2f
KHa1vL4p5ZaNP0hnHyG0mxC+SwsE7zA3c500ErBm5d5I0HUgCEGndE6tEryklFT
zr4HfPxcLml+QnLCDVZDSaf3+ExKfNLLSwjdABEBAAGOM1N5bHZpbyBDZXNhciBU
ZWL4ZWlyYSAoTXkga2V5KSA8c3lsdmlvEZYZWVU0Qub3JnPokB0AQTAQIAIguC
SujEdgIbAwYlCQgHAWIGFQgCCQoLBBYCAwECHgECF4AAcGkQPF8hoqzlaFKYQgA
m0/vudKdpx8jYDFmCOIE00orvjQXNue+0Vow0Ns2qSwiGwsvwh7YDUg8ZKEiBZH
KV29T32y0JIIQJ8tKloCF+XS3IktqWA0hLXqnN+Kmw3H0+MmzjgzCPhfTxG8jUUn
r3qnYrFQDLzQXr64rUi0o6SqsxcSyb3m3VZX/NwXLYZm3RlCOFQzIRHWKGS7Q5+
sMcLA/obV+C2CE0LsrT1EQWw6pBdhoPr55ssNG9Gs1oZtPhepoKjTq4X3VRIkm5n
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Th4Qkph0TDAr1mhKSaRVZbkBDQRK6MR2AQgApzi1h00y/HVx82J5SxsfCkNgQbF
6H9d3gkyb57koVVP52jBhcXx4vpce7oSpyWkm/uH6ZGZi5qkjSbliy1SdE+daymV
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Dt0sKXsAMzBRaZ8VsWeBfxJJpecRLa6igK7w0+oehWQ7v9iC+XqBpfXR2S4pxTi5
bshXeEfezqkut0w9UBQd0ZwMdzV3kw2Zis/qvi6jte19FrH3JVe3jhuoZCVKxec
aTL2nawtQHqCN+7MhTog3ap+ZhghWr7NK3wLPWYmk0fDCRLW2bzh7e80awARAQAB
iQEfBBgBAgAJBQJK6MR2AhsMAAoJEDxfIaKqc5WhBt4H/ArRP3bzyv5ejeCZ25fr
OCR7Z1vwdFFwWqEAP070x9XoLgZMEhuF70VjZpIXFgjDPBAoN5nxn4A3SjQMcXg
zDsFq0JC4N2JHwWlUx4D/CZ6caW0fI0p0sM7hYyXaoAEouknP097IvermEvmiqn0
gpcqUHbDL9DRKBnMyqDsSE3S83kEyud86x+UXJNCJk6awcUTWoETg6tVrpJ6Jma
cMPVsn4QucbRyyY2e9tIvJ1YbcqZH2munFGa4UXeY5+UemX88tg0rHHIYoN1B0d
qMSwsm6YwNRBuyFC4f6RkK5x3FQExsTd36UaDkxMbimkyAf2y9uMmHf49+anaTUB
QaI=
=7/gk
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.487. Devin Teske <[dteske@FreeBSD.org](mailto:dteske@FreeBSD.org)>

```
pub rsa2048/0930FAC9E5C7A63B 2018-07-06 [SC] [expires: 2021-07-05]
    Key fingerprint = D5D1 66F2 805C A20E 35BF E5F7 0930 FAC9 E5C7 A63B
uid                               Devin Teske <dteske@FreeBSD.org>
sub rsa2048/E2AC40AB090CD953 2018-07-06 [E] [expires: 2021-07-05]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
```

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kk1zM/ZHAFpX+LQRFUFNBra6lgGg0FoPx20i7HR4+WDDYjYvrQMg9bXsGeD9gJt1
th3gN1PL24BjoXmwMDLfpLuDXFiGicofT/717ZcJnrqrdst01hJCKuBK1sMjr88
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jW2+dH3rtjd5OPtgKkh8D2z9xrRL8hFcOKcZABEBAAGOIERldmluIFRlc2t1LIDxk
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pjsFals/JwwCGwMFCQWjmoAFCwkIBwIGFQoJCAcCBYCAwECHgECF4AAcGkQCTD6
yeXHpjT0swf/e6iGDS81+Ucma9QuelkUlTrGq0nkE055/8Luad0ybvjXqwE8IJJN
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c70pGgNPeS4VEL+nyYQtnvjAei+KFZBe4EaYw7e07RSnPJY9vHT25VI3kxdrNE1W
```



```
JKJWoY2DjWwRFXuf1sJ8r0dBGxZ1rpLs7nIZ0Dheon829hGvjntbMuU3YP6cA97T
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=r9EJ
-----END PGP PUBLIC KEY BLOCK-----
```

**3.488. Ion-Mihai Tetcu <itetcu@FreeBSD.org>**

```
pub 4096R/29597D20 2013-05-02
Key fingerprint = AB6F 39B6 605D E6B7 0D54 ED3D BCA2 129A 2959 7D20
uid Ion-Mihai Tetcu (FreeBSD Committer key) <itetcu@FreeBSD.org>
sub 4096R/EC9E17E3 2013-05-02
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----

mQINBFGCUC0BEADWcNqHXQIyPGrXdlcr5Ng5LDzqaHr7umo/I6v/LG+qwXbunMRq
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BBR9dZa+1codZ4ZTbPTWQbIbDzktOf/cnL+B/BM76kGQrw826Gt1HJX7vSKycXr
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jrCQcCbffpWCvDa/UWzyDdAG1RUjM6UeVGq0jDSX/+aG1G0uooSHe5dHLCxES5Qo
etU8mnZ1MUGGjC7s06gZtHPXxh/0ZYFR8FdrJ57XqSU3JehdKZs/uDhc/A/bmRlP
Df8t+UpMeQpoiGipV+Rdy+Hl0LjKma2Ewaw3oJV0X90pc5aRf9jA9gC46UaDncUE
MjvZv8jVAP8QaX2U5zEjJfWZv+/HeBlb6AEaedevu7yGJ23mo3L0tczXGu20u9
krBREz42n85mvlx6tLcaTMVFN5BTcyRk5pxgvT+mkI1MKXLC7So2HRCxwARAQAB
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dUBGcmVlQlNELm9yZz6JAjgEEwECACIFALGUC0CGwMGcwkIBwMcbhUIAgkKcWQW
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OHHi6GFFxqQ8nYeT0HfY1bVL8k+FUEJLRc0+8YVT6cEKqVugLoDXGt9naTw08wvY
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Zcs9G4MRwJTVPWlMwAoWqs9ZPFn4mlLu7HmZjScfeQU/47t6M0jKklcAEJPo3kwP
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J2Xk4qTHYxhMuQINBFGCUC0BEAC0Avup7IG3hsa92Axxr93Wtd789w1W6Q0EHBpr
ClqGiRs8tuUhue5aLYqDWNF/2tHg0R3KSV3ZkHocly3i90EaEM6d4QtZet4tpiv7
jFQqqw00T9VJarWxkU5f3kxjipKdz0wQBm0amNqqV3B11qm4eqUZZ1Z3+vAP1A3t
/TfVqeZfXlNyKQXt99Lkg0zax3ChVfrBi/IGayrc05ldGPDNe+L1bNygh1eq+Vvr
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```



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G1cTilmtZnKihm0N4kR88vX5sUFHm7se1VWUYe9ZvCiA+gn/3YaY4DaM6nPdeBW
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/as7XDPGqpDTGynLpsYRRxnfbP6Hirrr8MKme
=RySt
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.489. Mikhail Teterin <mi@FreeBSD.org>

```
pub 1024R/3FC71479 1995-09-08 Mikhail Teterin <mi@aldan.star89.galstar.com>
Key fingerprint = 5F 15 EA 78 A5 40 6A 0F 14 D7 D9 EA 6E 2B DA A4
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
```

```
mQCNAzBPH/0AAAEAAkIF0rNVbbuQue8Mo+knLGKtZJXWkL0hmdzE+FPxTSRv3T0S
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wwzJtjh+wi7VeXIQCU/m0cLC9A8QaLqhJ86e3m9F0DSFMlUSoucrgI/xxR5AAUR
tC1NaWtoYwLsIFRldGVyaW4gPG1pQGFsZGFuLnN0YXI40S5nYwXzdGFyLmNvbT6J
AJUDBRawT4kMH2ldntvsCqUBAVAcA/4x53VCf0x5Bm+BtneQNEvHgV8aqWw0tM4r
3lKtsSjMwuHF3kl7PjTcFvK40pRvog4u9V5G7gtUhuUI0i/Qfua2YHvvxIh3sx7Z
Gg22e4FxNzNob3qV+YiP0r+AA6EoYfHB45eHSLFXryCBS60a0CfZies+CSzcHBy9
/Zu51dCtnQ==
=f57V
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.490. Gordon Tetlow <gordon@FreeBSD.org>

```
pub dsa1024/46EDADF4357D65FB 2002-05-14 [SC]
Key fingerprint = 34EF AD12 10AF 560E C3AE CE55 46ED ADF4 357D 65FB
uid Gordon Tetlow <gordon@tetlows.org>
uid Gordon Tetlow <gordon@FreeBSD.org>
sub rsa2048/0C1612E28AC09A31 2015-01-12 [E] [expires: 2019-01-12]

pub rsa2048/E5F7BCCBA3BDDDF8 2016-04-23 [SC] [expires: 2021-04-22]
Key fingerprint = BB28 D40B 360E EE93 6AED 156F E5F7 BCCB A3BD DDF8
uid Gordon Tetlow <gordon@FreeBSD.org>
uid Gordon Tetlow <gordon@tetlows.org>
sub rsa2048/62B06BA80727E1FA 2016-04-23 [E] [expires: 2021-04-22]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----
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### 3.491. Lars Thegler <lth@FreeBSD.org>

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pub 1024D/56B0CA08 2004-05-31 Lars Thegler <lth@FreeBSD.org>
    Key fingerprint = ABAE F98C EA78 1C8D 6FDD CB27 1CA9 5A63 56B0 CA08
uid                               Lars Thegler <lars@thegler.dk>
sub 1024g/E8C58EF3 2004-05-31

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### 3.492. Jase Thew <jase@FreeBSD.org>

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    Key fingerprint = 4841 00F3 CDF2 272C 965B F90A 5C32 10C8 3F9B 9617
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uid [ultimate] Jase Thew <freebsd@beardz.net>
uid [ultimate] Jase Thew <jase.thew@googlemail.com>
sub 4096R/0x727970D29B509783 2013-09-24 [expires: 2018-09-23]

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sub 4096R/0xD4E65C8BFF1C3829 2013-09-24 [expires: 2018-09-23]

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-----END PGP PUBLIC KEY BLOCK-----

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### 3.493. David Thiel <lx@FreeBSD.org>

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pub  ed25519/2E0753DFB9CBB1C3 2016-05-25 [SC] [expires: 2021-05-24]
      Key fingerprint = 66F7 D26A D90F 308D 20A5 3697 2E07 53DF B9CB B1C3
uid   David Thiel <lx@grumplicio.us>
uid   David Thiel <lx@redundancy.redundancy.org>
uid   David Thiel (FreeBSD) <lx@FreeBSD.org>
sub  cv25519/21A4CBD84B31AAD6 2016-05-25 [E] [expires: 2021-05-24]

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```

### 3.494. Fabien Thomas <fabient@FreeBSD.org>

```

pub  1024D/07745930 2009-03-16
      Key fingerprint = D8AC EFA2 2FBD 7788 9628 4E8D 3F35 3B88 0774 5930
uid   Fabien Thomas <fabient@FreeBSD.org>
sub  2048g/BC173395 2009-03-16

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### 3.495. Thierry Thomas <thierry@FreeBSD.org>

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pub 4096R/F1C516B3C8359753 2013-09-23 [expires: 2020-10-05]
uid [ultimate] Thierry Thomas <thierry@pompo.net>
uid [ultimate] Thierry Thomas <thierry@FreeBSD.org>
uid [ultimate] [jpeg image of size 1968]
uid [ultimate] keybase.io/thierry <thierry@keybase.io>
sub 4096R/32B32808E6B52F4F 2013-09-23 [expires: 2020-10-05]
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### 3.496. Andrew Thompson <thompsa@FreeBSD.org>

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### 3.498. Jilles Tjoelker <jilles@FreeBSD.org>

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### 3.499. Ganbold Tsagaankhuu <ganbold@FreeBSD.org>

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uid  Ganbold Tsagaankhuu <ganbold@freebsd.org>
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### 3.500. Michael Tuexen <tuexen@FreeBSD.org>

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Key fingerprint = 493A CCB8 60E6 5510 A01D 360E 8497 B854 04EE DABE
uid Michael Tuexen <tuexen@FreeBSD.org>
sub 2048g/F653AA03 2009-06-08
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### 3.501. Andrew Turner <andrew@FreeBSD.org>

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pub rsa4096/C8347170347FF19F 2018-02-14 [SC] [expires: 2022-02-14]
Key fingerprint = 251E 4651 0A91 D459 6565 F149 C834 7170 347F F19F
uid Andrew Turner <andrew@freebsd.org>
uid Andrew Turner <andrew@fubar.geek.nz>
sub rsa4096/9251B5093178715D 2018-02-14 [E] [expires: 2022-02-14]
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### 3.502. Oleksandr Tymoshenko <gonzo@FreeBSD.org>

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pub 2048R/E84FC1018C87C180 2014-01-08 [expires: 2020-02-13]
Key fingerprint = 4FE9 153B 126D A491 294D 012F E84F C101 8C87 C180
uid 0leksandr Tymoshenko (FreeBSD) <gonzo@freebsd.org>
sub 2048R/D6BE683DAEC52F52 2014-01-08 [expires: 2020-02-13]
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### 3.503. Hajimu UMEMOTO <ume@FreeBSD.org>

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pub 1024D/BF9071FE 2005-03-17
Key fingerprint = 1F00 0B9E 2164 70FC 6DC5 BF5F 04E9 F086 BF90 71FE
uid Hajimu UMEMOTO <ume@mahoroba.org>
uid Hajimu UMEMOTO <ume@FreeBSD.org>
uid Hajimu UMEMOTO <ume@jp.FreeBSD.org>
sub 2048g/748DB3B0 2005-03-17
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### 3.504. Jason Unovitch <junovitch@FreeBSD.org>

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pub   rsa2048/6FD49C30161CAA6E 2015-07-27 [expires: 2018-07-26]
       Key fingerprint = 45DF 5459 93BB E377 93CA CDEE 6FD4 9C30 161C AA6E
uid   Jason Unovitch <jason.unovitch@gmail.com>
uid   Jason Unovitch <junovitch@FreeBSD.org>
sub   rsa2048/74E32D39F55621C5 2015-07-27 [expires: 2018-07-26]

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### 3.505. Stephan Uphoff <ups@FreeBSD.org>

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pub 2048R/D684B04A 2004-10-06 Stephan Uphoff <ups@freebsd.org>
     Key fingerprint = B5D2 04AE CA8F 7055 7474 3C85 F908 7F55 D684 B04A
uid                               Stephan Uphoff <ups@tree.com>
sub 2048R/A15F921B 2004-10-06

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**3.506. Fedor Uporov** <[fusu@FreeBSD.org](mailto:fusu@FreeBSD.org)>

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pub  rsa2048/B362AE935D4B5F4E 2017-08-30 [SC] [expires: 2020-08-29]
     Key fingerprint = C934 4E2E 0FCE 2239 8BAA 6AB0 B362 AE93 5D4B 5F4E
uid                               Fedor Uporov (FreeBSD committer's key) <fusu@freebsd.org>
uid                               Fedor Uporov (FreeBSD committer's key) ㉿
<thisisadrgreenthumb@gmail.com>
sub  rsa2048/5F01AC3D1449F4AC 2017-08-30 [E] [expires: 2020-08-29]
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**3.507. Mikael Urankar** <[mikael@FreeBSD.org](mailto:mikael@FreeBSD.org)>

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pub  rsa4096/E4CFC082DFAECA02 2020-01-17 [SC] [expires: 2023-01-16]
     Key fingerprint = 7C9E DE43 4A0F 0F86 3F16 BD6A E4CF C082 DFAE CA02
uid                               Mikael Urankar <mikael@freebsd.org>
sub  rsa4096/555A24081988D996 2020-01-17 [E] [expires: 2023-01-16]
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### 3.508. Imre Vadasz <[ivadasz@FreeBSD.org](mailto:ivadasz@FreeBSD.org)>

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pub  rsa2048/23A9AA6012EDAE08 2016-07-24 [SC] [expires: 2019-07-24]
      Key fingerprint = 6F1C ABFD E524 BAE1 ADEE 557A 23A9 AA60 12ED AE08
uid  Imre Vadász <ivadasz@freebsd.org>
uid  Imre Vadász <imre@vdsz.com>
uid  Imre Vadász <imrevdsz@gmail.com>
sub  rsa2048/5CC067DDEC512108 2016-07-24 [E] [expires: 2019-07-24]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.509. Emmanuel Vadot <manu@FreeBSD.org>

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pub   rsa2048/49AFB38B7C929105 2016-04-24 [SC] [expires: 2019-04-24]
      Key fingerprint = DE79 F601 8D70 10E8 480E B918 49AF B38B 7C92 9105
uid   Emmanuel Vadot <manu@freebsd.org>
sub   rsa2048/519ED84504490990 2016-04-24 [E] [expires: 2019-04-24]
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**3.510. Eric van Gyzen <vangyzen@FreeBSD.org>**

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pub rsa2048/AFC12A13EC20DAB8 2015-01-28 [expires: 2018-01-27]
Key fingerprint = 3E70 4F4A 0D13 41E8 BCE4 D73D AFC1 2A13 EC20 DAB8
uid Eric van Gyzen <vangyzen@FreeBSD.org>
uid Eric van Gyzen <eric@vangyzen.net>
sub rsa2048/AEDFC8E4E2244266 2015-01-28 [expires: 2018-01-27]
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**3.511. Ram Vegesna <ram@FreeBSD.org>**

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pub  rsa2048/E60E9E7679E70F18 2018-04-09 [SC] [expires: 2021-04-08]
    Key fingerprint = FC32 B44C D51E 1B31 766F 0A07 E60E 9E76 79E7 0F18
uid                               Ram Kishore Vegesna <ram.vegesna@broadcom.com>
sub  rsa2048/F1410348850D12F9 2018-04-09 [E] [expires: 2021-04-08]
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-----END PGP PUBLIC KEY BLOCK-----

### 3.512. Bryan Venteicher <bryan@FreeBSD.org>

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pub  4096R/E97DB7DB 2012-11-05
    Key fingerprint = 0F8F 11EF F4D2 EDCA ECEA CB16 744C BF25 E97D B7DB
uid                               Bryan Venteicher (DITC) <bryanv@daemoninthecloset.org>
uid                               Bryan Venteicher (FreeBSD) <bryanv@freebsd.org>
sub  4096R/2EBC1A46 2012-11-05
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pub 2048R/33C1627B 2001-07-05 Jacques A. Vidrine <nectar@celabo.org>
    Key fingerprint = CB CE 7D A0 6E 01 DC 61 E5 91 0A BE 79 17 D3 82
uid                               Jacques A. Vidrine <jvidrine@verio.net>
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pub 1024D/1606DB95 2001-07-05 Jacques A. Vidrine <nectar@celabo.org>
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### 3.514. Alberto Villa <[avilla@FreeBSD.org](mailto:avilla@FreeBSD.org)>

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### 3.515. Nicola Vitale <[nivit@FreeBSD.org](mailto:nivit@FreeBSD.org)>

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pub 1024D/F11699E5 2006-12-05
    Key fingerprint = 2C17 C591 2C6D 82BD F3DB F1BF 8FC9 6763 F116 99E5
uid                               Nicola Vitale (Public key for nivit@FreeBSD.org) <nivit@FreeBSD.org>
sub 2048g/4C90805D 2006-12-05

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### 3.516. Ivan Voras <ivoras@FreeBSD.org>

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pub 1024D/FD08D5063DFF1D2C 2012-04-22
Key fingerprint = 6141 82D7 8304 0002 EEB3 48E5 FD08 D506 3DFF 1D2C
uid Ivan Voras <ivoras@fer.hr>
uid Ivan Voras <ivoras@freebsd.org>
uid Ivan Voras <ivoras@pirati.hr>
uid Ivan Voras <ivoras@gmail.com>
uid [jpeg image of size 3697]
sub 4096g/88C9ED7026B75D25 2012-04-22
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Version: GnuPG v2.0.22 (FreeBSD)
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### 3.517. Andriy Voskoboinyk <avos@FreeBSD.org>

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pub  rsa2048/558F4F536DC10B47 2015-10-19 [expires: 2018-10-18]
     Key fingerprint = 4056 7E58 FA1D D59F F3EA CC83 558F 4F53 6DC1 0B47
uid  Andriy Voskoboinyk <avos@freebsd.org>
sub  rsa2048/515B99612E8604AF 2015-10-19 [expires: 2018-10-18]

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### 3.518. Stefan Walter <stefan@FreeBSD.org>

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pub  3072R/12B9E0B3 2003-03-06
     Key fingerprint = 85D8 6A49 22C7 6CD9 B011 5D6A 5691 111B 12B9 E0B3
uid  Stefan Walter <stefan@freebsd.org>
uid  Stefan Walter <sw@gegenueendlich.de>
sub  3072R/6D35457A 2003-03-06

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### 3.519. Kai Wang <kaiw@FreeBSD.org>

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pub 1024D/AEB910EB 2006-09-27
    Key fingerprint = 3534 10A3 F143 B760 EF3E BEDF 8509 6A06 AEB9 10EB
uid          Kai Wang <kaiw@FreeBSD.org>
uid          Kai Wang <kaiw@student.chalmers.se>
uid          Kai Wang <kaiwang27@gmail.com>
uid          Kai Wang <kaiw27@gmail.com>
sub 2048g/1D5AA4DD 2006-09-27

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### 3.520. Adam Weinberger <adamw@FreeBSD.org>

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pub  rsa4096/FA0ABE2C04C8317C 2017-05-28 [SC] [expires: 2020-05-27]
      Key fingerprint = E0F0 7F3B 42CD 4B77 23B3 C7DE FA0A BE2C 04C8 317C
uid  Adam Weinberger <adamw@FreeBSD.org>
uid  Adam Weinberger <adamw@adamw.org>
sub  rsa4096/B12E9E74211E229D 2017-05-28 [E] [expires: 2020-05-27]

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### 3.521. Christian Weisgerber <naddy@FreeBSD.org>

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pub   rsa2048/73490227F70EEEA0 2015-05-03
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uid   Christian Weisgerber <naddy@mips.inka.de>
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uid   Christian Weisgerber <naddy@openbsd.org>
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### 3.522. Peter Wemm <[peter@FreeBSD.org](mailto:peter@FreeBSD.org)>

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pub 1024D/1512AE527277717F 2003-12-14
Key fingerprint = 622B 2282 E92B 3BAB 57D1 A417 1512 AE52 7277 717F
uid Peter Wemm <peter@wemm.org>
uid Peter Wemm <peter@FreeBSD.ORG>
sub 1024g/2C5F53778B40D9D1 2003-12-14

pub 2048R/35D69709EC809E04 2014-05-08 [expires: 2024-05-05]
Key fingerprint = 060A C0D1 5AFF BDF3 55B8 FA14 35D6 9709 EC80 9E04
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### 3.523. Nathan Whitehorn <nwhitehorn@FreeBSD.org>

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=yR4w
-----END PGP PUBLIC KEY BLOCK-----
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### 3.524. Martin Wilke <miwi@FreeBSD.org>

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pub  rsa2048/1F3FC665313A1267 2017-05-14 [SC]
     Key fingerprint = 4034 F77F 5827 854A B066 4DE7 1F3F C665 313A 1267
uid  Martin Wilke <miwi@FreeBSD.org>
sub  rsa2048/CE68EDF4E244AC3F 2017-05-14 [E]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.525. Nate Williams <nate@FreeBSD.org>

```
pub  1024D/C2AC6BA4 2002-01-28 Nate Williams (FreeBSD) <nate@FreeBSD.org>
     Key fingerprint = 8EE8 5E72 8A94 51FA EA68 E001 FFF9 8AA9 C2AC 6BA4
sub  1024g/03EE46D2 2002-01-28
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Version: GnuPG v1.0.6 (FreeBSD)
Comment: For info see http://www.gnupg.org
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### 3.526. Steve Wills <[swills@FreeBSD.org](mailto:swills@FreeBSD.org)>

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pub 2048R/F5CF62B3207B1BA1 2010-09-02 [expires: 2020-01-23]
    Key fingerprint = 98FA 414A 5C2A 0EF9 CFD0 AD0D F5CF 62B3 207B 1BA1
uid                               Steve Wills <swills@FreeBSD.org>
uid                               Steve Wills <swills@freebsd.org>
uid                               Steve Wills <steve@mouf.net>
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### 3.527. Thomas Wintergerst <[twinterg@FreeBSD.org](mailto:twinterg@FreeBSD.org)>

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Key fingerprint = 04EE 8114 7C6D 22CE CDC8 D7F8 112D 01DB C45C B978  
uid Thomas Wintergerst <twinterg@gmx.de>  
uid Thomas Wintergerst <twinterg@freebsd.org>  
uid Thomas Wintergerst  
uid Thomas Wintergerst <thomas.wintergerst@nord-com.net>  
uid Thomas Wintergerst <thomas.wintergerst@materna.de>  
sub 2048g/3BEBEF8A 2006-01-08  
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### 3.528. Konrad Witaszczyk <def@FreeBSD.org>

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pub  rsa4096/E1C1225B0B26A4F0 2015-12-10 [SC] [expires: 2018-12-09]
      Key fingerprint = FDB5 3016 6F50 B3CB ED9B 6F77 E1C1 225B 0B26 A4F0
uid          Konrad Witaszczyk <def@FreeBSD.org>
uid          Konrad Witaszczyk <k.witaszczyk@wheelsystems.com>
sub  rsa4096/72A1BB5B56BDB216 2015-12-10 [E] [expires: 2018-12-09]
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### 3.529. Marcin Wojtas <mw@FreeBSD.org>

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### 3.530. Garrett Wollman <wollman@FreeBSD.org>

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.531. Ben Woods <[woods02@FreeBSD.org](mailto:woods02@FreeBSD.org)>

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pub  rsa2048/F4282FB8B0DED855 2016-05-09 [SC] [expires: 2019-05-09]
      Key fingerprint = 189F A55D 1B84 A241 79CC D409 F428 2FB8 B0DE D855
uid  Ben Woods <woods02@gmail.com>
uid  Ben Woods <woods02@FreeBSD.org>
sub  rsa2048/261CBDD3510A176A 2016-05-09 [E] [expires: 2019-05-09]
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```
-----END PGP PUBLIC KEY BLOCK-----
```

### 3.532. Jörg Wunsch <[joerg@FreeBSD.org](mailto:joerg@FreeBSD.org)>

```
pub  1024D/69A85873 2001-12-11 Joerg Wunsch <j@uriah.heep.sax.de>
      Key fingerprint = 5E84 F980 C3CA FD4B B584 1070 F48C A81B 69A8 5873
pub  1024D/69A85873 2001-12-11 Joerg Wunsch <j@uriah.heep.sax.de>
uid  Joerg Wunsch <joerg\_wunsch@interface-systems.de>
uid  Joerg Wunsch <joerg@FreeBSD.org>
uid  Joerg Wunsch <j@ida.interface-business.de>
sub  1024g/21DC9924 2001-12-11
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-----BEGIN PGP PUBLIC KEY BLOCK-----
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```
Version: GnuPG v1.2.6 (FreeBSD)
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```
uid      David Xu <davidxu@freebsd.org>
sub      4096g/ED7DB38A 2006-07-13 [expires: 2009-07-12]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.534. Guangyuan Yang <yyg@FreeBSD.org>

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pub      rsa4096/3068752A2C2EAF21 2017-08-21 [SCA] [expires: 2020-09-23]
         Key fingerprint = 8A50 E4BC F82F CF01 79E4 AA59 3068 752A 2C2E AF21
uid      Guangyuan Yang <yyg@FreeBSD.org>
uid      Guangyuan Yang <yzgyyang@outlook.com>
sub      rsa4096/FE95523C21630E20 2017-08-21 [E] [expires: 2020-09-23]
```

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mQINBFmbHnMBEACd0tyvPhE5SiwWuF4jRtx6+zD6QcTz4WxYLcpmUrY5t7u9/N1H
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=/DN1
-----END PGP PUBLIC KEY BLOCK-----

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### 3.535. Maksim Yevmenkin <emax@FreeBSD.org>

```

pub 1024D/F050D2DD 2003-10-01 Maksim Yevmenkin <m_evmenkin@yahoo.com>
Key fingerprint = 8F3F D359 E318 5641 8C81 34AD 791D 53F5 F050 D2DD

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: GnuPG v1.2.2 (FreeBSD)

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-----END PGP PUBLIC KEY BLOCK-----
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### 3.536. Pyun YongHyeon <yongari@FreeBSD.org>

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pub  rsa2048/2F461043D15970A0 2016-08-09 [expires: 2019-08-09]
      Key fingerprint = FC47 A95C 4681 3D5A DACA 45A5 2F46 1043 D159 70A0
uid   Pyun YongHyeon <yongari@FreeBSD.org>
uid   YongHyeon PYUN <pyunyh@gmail.com>
sub  rsa2048/2ECD0169096559FF 2016-08-09 [expires: 2019-08-09]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.537. Ruey-Cherng Yu <[rcyu@FreeBSD.org](mailto:rcyu@FreeBSD.org)>

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pub  rsa2048/06E74405C01090DF 2017-03-06 [SC] [到期; 2020-03-05]
      &#37329;��� = 2B4B C3CD 0B8B 0150 8C5F 90B5 06E7 4405 C010
90DF
uid  Ruey-Cherng Yu <rcyu@freebsd.org>
sub  rsa2048/29BF1DFDF00BEA06 2017-03-06 [E] [到期; 2020-03-05]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.538. Mariusz Zaborski <[oshogbo@FreeBSD.org](mailto:oshogbo@FreeBSD.org)>

```
pub  rsa4096/DFC2841AE2C6C564 2015-12-03 [expires: 2020-12-01]
      Key fingerprint = 903D 71D3 1909 5D55 58D4 6C1F DFC2 841A E2C6 C564
uid  Mariusz Zaborski <oshogbo@FreeBSD.org>
uid  Mariusz Zaborski <oshogbo@vexillum.org>
uid  Mariusz Zaborski <m.zaborski@wheelsystems.com>
sub  rsa4096/35735C07BCDD5FC7 2015-12-03 [expires: 2020-12-01]
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pub  rsa4096/0D766192C7F78C63 2016-08-27 [SC] [expires: 2023-08-18]
      Key fingerprint = B8B5 09A4 A0F5 2002 2FF1 71B5 0D76 6192 C7F7 8C63
uid          Thomas Zander <riggs@FreeBSD.org>
uid          Thomas Zander <thomas.e.zander@googlemail.com>
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### 3.540. Vinícius Zavam <egypcio@FreeBSD.org>

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### 3.541. Bjoern A. Zeeb <bz@FreeBSD.org>

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**3.542. Niclas Zeising** <[zeising@FreeBSD.org](mailto:zeising@FreeBSD.org)>

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uid  Niclas Zeising <zeising@daemonic.se>
uid  Niclas Zeising (FreeBSD Project) <zeising@freebsd.org>
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y3fz0eN4U4=  
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.543. Alexey Zelkin <[phantom@FreeBSD.org](mailto:phantom@FreeBSD.org)>

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pub 1024D/9196B7D9 2002-01-28 Alexey Zelkin <phantom@FreeBSD.org>  
Key fingerprint = 4465 F2A4 28C1 C2E4 BB95 1EA0 C70D 4964 9196 B7D9  
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Version: GnuPG v1.0.6 (FreeBSD)  
Comment: For info see http://www.gnupg.org
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.544. Sopherosa Ziehaue <[sephe@FreeBSD.org](mailto:sephe@FreeBSD.org)>

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pub rsa2048/CE314488BE4E5ED5 2016-10-18 [SC] [expires: 2017-10-18]  
Key fingerprint = 4F7A A4C1 2640 D8B7 5B6C A320 CE31 4488 BE4E 5ED5  
uid Sopherosa Ziehaue (new) <sephe@freebsd.org>  
sub rsa2048/588B5CE37D0C5E4B 2016-10-18 [E] [expires: 2017-10-18]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.545. Michael Zhilin <mizhka@FreeBSD.org>

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pub  rsa2048/95D5352F9286943B 2016-07-22 [SC] [expires: 2019-07-22]
      Key fingerprint = 0AEE 7305 0813 BE01 F64D 1B9E 95D5 352F 9286 943B
uid  Michael Zhilin <mizhka@freebsd.org>
sub  rsa2048/FB8FB2642431E2ED 2016-07-22 [E] [expires: 2019-07-22]
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### 3.546. Andrey Zonov <zont@FreeBSD.org>

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pub  2048R/E8A68B1C 2012-08-17 [expires: 2016-08-17]
      Key fingerprint = 3DFF AA2F C10A A979 2FB9 A764 F145 4BB6 E8A6 8B1C
uid  Andrey Zonov <zont@FreeBSD.org>
uid  Andrey Zonov <andrey@zonov.org>
sub  2048R/57FC2BD3 2012-08-17 [expires: 2016-08-17]
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### 3.547. Torsten Zuehlsdorff <tz@FreeBSD.org>

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pub  rsa4096/1F508D680794735B 2018-03-22 [SCA] [verfällt: 2023-03-21]
     Schl.-Fingerabdruck = 0AC8 AF98 62C0 487F D8CD D309 1F50 8D68 0794 735B
uid  Torsten Zuehlsdorff <tz@FreeBSD.org>
sub  rsa4096/C84D624F3C23C041 2018-03-22 [E] [verfällt: 2023-03-21]

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### 3.548. Yuri Victorovich <yuri@FreeBSD.org>

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pub  rsa2048 2017-10-31 [SC] [expires: 2020-10-30]
      1851 BC45 B773 5E75 6387 1076 EC68 3904 8921 D150
uid  [ unknown] Yuri Victorovich <yuri@FreeBSD.org>
sub  rsa2048 2017-10-31 [E] [expires: 2020-10-30]
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-----END PGP PUBLIC KEY BLOCK-----
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### 3.549. Slava Shwartsman <slavash@FreeBSD.org>

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pub  rsa2048/F98A03ECA8FFFD9D 2018-02-20 [SC] [expires: 2021-02-19]
      Key fingerprint = 7B5B EF93 06FC A8F9 38D0 C32F F98A 03EC A8FF FD9D
uid  Slava Shwartsman <slavash@freebsd.org>
uid  Slava Shwartsman <slava.shwartsman@gmail.com>
uid  Slava Shwartsman <valyushash@gmail.com>
sub  rsa2048/63E8D18A494FE57D 2018-02-20 [E] [expires: 2021-02-19]
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### 3.550. Gleb Popov <[arrowd@FreeBSD.org](mailto:arrowd@FreeBSD.org)>

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pub   rsa2048/B6896C7F68880CF6 2018-05-20 [SCEA] [expires: 2021-05-19]
      Key fingerprint = 61F9 7E8A A7E0 5EDA 8398 DE99 B689 6C7F 6888 0CF6
uid           Gleb Popov <arrowd@freebsd.org>
sub   rsa2048/33D10F775D163987 2018-05-20 [SEA] [expires: 2021-05-19]

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### 3.551. Alexandre C. Guimaraes <rigoletto@FreeBSD.org>

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pub   rsa4096/9921FCC0384017D9 2018-10-03 [SC] [expires: 2021-10-02]
      Key fingerprint = F516 C38E 8674 10B0 566A 6182 9921 FCC0 3840 17D9
uid   Alexandre C. Guimarães (FreeBSD Key) <rigoletto@FreeBSD.org>
org>
sub   rsa4096/240F88930B312333 2018-10-03 [E] [expires: 2021-10-02]
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### 3.552. Pawel Biernacki <kaktus@FreeBSD.org>

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EhFy9ypgMRUgpQCLEls0wdLdc9wJd+70Rw2eY/ab1Sj5SdoS30EkuqH5gtDTcb5
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Gle7+Ce7QxETdyzBzmRLck62VuCJJjFumU05o5WLPwARAQABiQI8BBGBCAAmHsM
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=MiAR
-----END PGP PUBLIC KEY BLOCK-----

```

### 3.553. Alex Samorukov <samm@FreeBSD.org>

```

pub  rsa2048/434C13EF422BE53C 2019-10-08 [SC] [expires: 2022-10-08]
      Key fingerprint = ADDB 27FE 36E4 8ABD D608 CB3A 434C 13EF 422B E53C
uid  Samorukov,0leksii (FreeBSD) <samm@freebsd.org>
uid  Samorukov,Alexey <samm@os2.kiev.ua>
sub  rsa2048/F8FB02487C50A175 2019-10-08 [E] [expires: 2022-10-08]

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HlknA+BLlUmm58FwL4UA8DBgMJz3ZM+n9c9JwvbVg1Sj7L0VyTjiqvZW5mJH/uNV
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-----END PGP PUBLIC KEY BLOCK-----
```

## 4. Other Cluster Account Holders

### 4.1. Alexander Best

```
pub 4096R/10C54914 2013-09-09 [expires: 2016-09-08]
Key fingerprint = 34EB A47D A329 5767 ED27 E130 8ACA 73CA 10C5 4914
uid Alexander Best <arundel@FreeBSD.org>
sub 4096R/F1F0EF55 2013-09-09 [expires: 2016-09-08]
```

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-----END PGP PUBLIC KEY BLOCK-----
```

## 4.2. Deb Goodkin

```
pub 2048R/09436139 2013-04-11
Key fingerprint = 3498 B76C D4D7 EA14 2003 83AE 1A93 FFAF 0943 6139
uid Deb Goodkin <deb@freebsd.org>
uid Deb Goodkin <Deb@Gurkowski.com>
uid Deb Goodkin <deb@freebsd.foundation.org>
sub 2048R/0FB6881F 2013-04-11
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----

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### 4.3. Ben C. O. Grimm

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=GODO
-----END PGP PUBLIC KEY BLOCK-----
```

#### 4.4. Ben Haga

```
pub 4096R/1FA0DA9D 2013-04-12 [expires: 2017-04-11]
    Key fingerprint = 82FB 3180 8C3E CEA9 66ED 7FE5 2840 F0C9 1FA0 DA9D
uid Ben Haga <bhaga@FreeBSD.org>
sub 4096R/33BE4D62 2013-04-12 [expires: 2017-04-11]
```

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-----BEGIN PGP PUBLIC KEY BLOCK-----

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-----END PGP PUBLIC KEY BLOCK-----
```

### 4.5. Boris Kochergin

```
pub 4096R/7E8DEA51 2013-04-08
    Key fingerprint = 41E7 7678 9F57 D52E 73DF 731F A77E 8C7A 7E8D EA51
uid Boris Kochergin <bk@isis.poly.edu>
sub 4096R/DD7B3E04 2013-04-08
```

-----BEGIN PGP PUBLIC KEY BLOCK-----

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KA==
=t+E9
-----END PGP PUBLIC KEY BLOCK-----
```

### 4.6. Self-Serve SSH key changer

```
pub rsa4096/2434FEB5AB485900 2016-10-04 [SC]
    Key fingerprint = 8F74 C26C 632A 8E18 0C46 F209 2434 FEB5 AB48 5900
```

```
uid Self-Serve SSH key changer <keymaster@freebsd.org>
sub rsa4096/DCC42FF5B44E5D35 2016-10-04 [E]
```

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

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#### 4.7. Peter Losher

OpenPGP Keys

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    Key fingerprint = E00E 4CB3 D265 248E 610D 77A4 B9F7 C886 6917 C3B9
uid                                     Peter Loshier <ploser@freebsd.org>
uid                                     Peter Loshier <ploser@plosh.net>
sub 2048g/5E63FAAB8C6651F2 2002-03-16 [expires: 2014-12-24]
sub 4096R/53B9AAA98C273E2E 2014-05-18 [expires: 2019-05-17]
sub 4096R/CDABAB7A88F51686 2014-05-18 [expires: 2019-05-17]
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#### 4.8. Michael W. Lucas

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pub  rsa4096/8663ED941F2E54A8 2014-10-15 [expires: 2020-10-13]
      Key fingerprint = 0D83 B55B 5314 BBBB C209 70A0 8663 ED94 1F2E 54A8
uid   Michael Warren Lucas (Author) <mwlucas@blackhelicopters.org>
uid   Michael Warren Lucas (Author) <mwlucas@michaelwlucas.com>
sub   rsa4096/96FC4FE74DA4E659 2014-10-15 [expires: 2020-10-13]
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### 4.9. David Wolfskill

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## OpenPGP Keys

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