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Tor Tip

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Which PGP keys sign which packages

This page was automatically generated page from this file listing the gpg keys of our release teams. To learn how to verify signatures, see our manual.

As of 11/118 the signing keys we use are:

- The Tor Browser Developers (0x4E2C6E8793298290), Mike Perry (0x29846B3C683686CC), Georg Koppen (0xD1483FA6C3C07136), Nicolas Vigier (0x3E39CEABFC69F6F7), Arthur Edelstein (0xD752F538C0D38C3A) sign **Tor Browser releases**
- Roger Dingledine (0xEB5A896A28988BF5 and 0xC218525819F78451), Nick Mathewson (0x21194EBB165733EA) sign **Tor source tarballs**
- Nick Mathewson (0x21194EBB165733EA) signed **older Tor tarballs**
- Tor Project Archive (0xEE8CBC9E886DDD89) signs **deb.torproject.org repositories and archives**
- Damian Johnson (0x0445B7AB9ABBEEC6) signs **Arm releases**
- The Tails team (0xDBB802B258ACD84F) signs **Tails live system releases**
- David Goulet (0x42E86A2A11F48D36) signs **Torsocks releases**
- Sukhbir Singh (0xB01C8B006DA77FAA) signs **TorBirdy releases**
- Other developers include Peter Palfrader (0x62AF4031C82E0039).

Fingerprints

The fingerprints for the keys are:

Tor Browser releases

```
pub   rsa4096/0x4E2C6E8793298290 2014-12-15 [C] [expires: 2020-08-24]
      Key fingerprint = EF6E 286D DA85 EA2A 4BA7  DE68 4E2C 6E87 9329 8290
uid              [ unknown] Tor Browser Developers (signing key) <torbrowser#torproject.o
sub   rsa4096/0xEB774491D9FF06E2 2018-05-26 [S] [expires: 2020-09-12]
      Key fingerprint = 1107 75B5 D101 FB36 BC6C  911B EB77 4491 D9FF 06E2

pub   rsa8192/0x29846B3C683686CC 2013-09-11 [SC]
      Key fingerprint = C963 C21D 6356 4E2B 10BB  335B 2984 6B3C 6836 86CC
uid              [ unknown] Mike Perry <mikeperry#endarken.info>
uid              [ unknown] Mike Perry <mikeperry#unencrypted.info>
uid              [ unknown] Mike Perry (Regular use key) <mikeperry#fscked.org>
uid              [ unknown] Mike Perry (Regular use key) <mikeperry#torproject.org>

pub   rsa4096/0x4E2C6E8793298290 2014-12-15 [C] [expires: 2020-08-24]
      Key fingerprint = EF6E 286D DA85 EA2A 4BA7  DE68 4E2C 6E87 9329 8290
uid              [ unknown] Tor Browser Developers (signing key) <torbrowser#torproject.o
sub   rsa4096/0xEB774491D9FF06E2 2018-05-26 [S] [expires: 2020-09-12]
      Key fingerprint = 1107 75B5 D101 FB36 BC6C  911B EB77 4491 D9FF 06E2

pub   rsa4096/0x3E39CEABFC69F6F7 2015-09-24 [SC]
      Key fingerprint = 6AB6 AEE9 776E 7827 23C8  ACE8 3E39 CEAB FC69 F6F7
uid              [ unknown] Nicolas Vigier (boklm) <boklm#torproject.org>
uid              [ unknown] Nicolas Vigier (boklm) <boklm#mars-attacks.org>
sub   rsa4096/0xA0312B06D9535729 2016-04-23 [A]
      Key fingerprint = 1315 2F30 FFFE 0EC8 DF58  94FB A031 2B06 D953 5729
sub   rsa4096/0x07B7CFD7A0FBA062 2017-01-25 [S] [expires: 2019-01-22]
      Key fingerprint = 5B09 BD89 3213 7126 BCDB  F77D 07B7 CFD7 A0FB A062
sub   rsa4096/0x6DB4024DAA111CE4 2017-01-25 [E] [expires: 2019-01-22]
      Key fingerprint = B995 3CFA C0C7 A2ED C780  24ED 6DB4 024D AA11 1CE4

pub   rsa2048/0xD752F538C0D38C3A 2014-12-10 [SC]
      Key fingerprint = 20B2 4CEF E6AF D615 0B6A  6F18 D752 F538 C0D3 8C3A
uid              [ unknown] Arthur Edelstein <arthuredelstein#gmail.com>
sub   rsa2048/0x3306E88D27211E0B 2014-12-10 [E]
      Key fingerprint = 78BB DCF7 187D F8E7 F832  DD29 3306 E88D 2721 1E0B
```

Tor source tarballs

```
pub   dsa1024/0xEB5A896A28988BF5 2000-02-27 [SCA]
      Key fingerprint = B117 2656 DFF9 83C3 042B  C699 EB5A 896A 2898 8BF5
uid              [ unknown] Roger Dingledine <arma#mit.edu>
sub   elg2048/0x147FF421788AFDCE 2000-02-27 [E]
      Key fingerprint = 08E6 A5BD CF81 D0A3 1BDE  9474 147F F421 788A FDCE

pub   rsa4096/0xC218525819F78451 2010-05-07 [SC]
      Key fingerprint = F65C E37F 04BA 5B36 0AE6  EE17 C218 5258 19F7 8451
uid              [ unknown] Roger Dingledine <arma#mit.edu>
uid              [ unknown] Roger Dingledine <arma#freehaven.net>
uid              [ unknown] Roger Dingledine <arma#torproject.org>
sub   rsa4096/0x1A61312B4600E8BE 2018-06-03 [E] [expires: 2019-06-03]
      Key fingerprint = 6C8F F7D9 F789 52A1 8986  52B7 1A61 312B 4600 E8BE

pub   rsa3072/0x21194EBB165733EA 2004-07-03 [SC]
      Key fingerprint = B35B F85B F194 89D0 4E28  C33C 2119 4EBB 1657 33EA
uid              [ unknown] Nick Mathewson <nickm#alum.mit.edu>
uid              [ unknown] Nick Mathewson <nickm#wangafu.net>
uid              [ unknown] Nick Mathewson <nickm#freehaven.net>
uid              [ unknown] [jpeg image of size 3369]
sub   rsa3072/0x910397D88D29319A 2004-07-03 [S]
      Key fingerprint = EF00 F369 1387 FCC5 8CD6  8E13 9103 97D8 8D29 319A
sub   rsa3072/0xD2CA27F3F25B8E5E 2004-07-03 [E]
      Key fingerprint = 11F2 E464 48C8 0F44 8F64  FC54 D2CA 27F3 F25B 8E5E

pub   rsa3072/0x21194EBB165733EA 2004-07-03 [SC]
```

```
                     Key fingerprint = B35B F85B F194 89D0 4E28  C33C 2119 4EBB 1657 33EA
uid                         [ unknown] Nick Mathewson <nickm#alum.mit.edu>
uid                         [ unknown] Nick Mathewson <nickm#wangafu.net>
uid                         [ unknown] Nick Mathewson <nickm#freehaven.net>
uid                         [ unknown] [jpeg image of size 3369]
sub   rsa3072/0x910397D88D29319A 2004-07-03 [S]
                     Key fingerprint = EF00 F369 1387 FCC5 8CD6  8E13 9103 97D8 8D29 319A
sub   rsa3072/0xD2CA27F3F25B8E5E 2004-07-03 [E]
                     Key fingerprint = 11F2 E464 48C8 0F44 8F64  FC54 D2CA 27F3 F25B 8E5E
```

older Tor tarballs

```
pub   rsa3072/0x21194EBB165733EA 2004-07-03 [SC]
                     Key fingerprint = B35B F85B F194 89D0 4E28  C33C 2119 4EBB 1657 33EA
uid                         [ unknown] Nick Mathewson <nickm#alum.mit.edu>
uid                         [ unknown] Nick Mathewson <nickm#wangafu.net>
uid                         [ unknown] Nick Mathewson <nickm#freehaven.net>
uid                         [ unknown] [jpeg image of size 3369]
sub   rsa3072/0x910397D88D29319A 2004-07-03 [S]
                     Key fingerprint = EF00 F369 1387 FCC5 8CD6  8E13 9103 97D8 8D29 319A
sub   rsa3072/0xD2CA27F3F25B8E5E 2004-07-03 [E]
                     Key fingerprint = 11F2 E464 48C8 0F44 8F64  FC54 D2CA 27F3 F25B 8E5E

pub   rsa3072/0x21194EBB165733EA 2004-07-03 [SC]
                     Key fingerprint = B35B F85B F194 89D0 4E28  C33C 2119 4EBB 1657 33EA
uid                         [ unknown] Nick Mathewson <nickm#alum.mit.edu>
uid                         [ unknown] Nick Mathewson <nickm#wangafu.net>
uid                         [ unknown] Nick Mathewson <nickm#freehaven.net>
uid                         [ unknown] [jpeg image of size 3369]
sub   rsa3072/0x910397D88D29319A 2004-07-03 [S]
                     Key fingerprint = EF00 F369 1387 FCC5 8CD6  8E13 9103 97D8 8D29 319A
sub   rsa3072/0xD2CA27F3F25B8E5E 2004-07-03 [E]
                     Key fingerprint = 11F2 E464 48C8 0F44 8F64  FC54 D2CA 27F3 F25B 8E5E
```

deb.torproject.org repositories and archives

```
pub   rsa2048/0xEE8CBC9E886DDD89 2009-09-04 [SC] [expires: 2022-08-05]
                     Key fingerprint = A3C4 F0F9 79CA A22C DBA8  F512 EE8C BC9E 886D DD89
uid                         [ unknown] deb.torproject.org archive signing key
sub   rsa2048/0x74A941BA219EC810 2009-09-04 [S] [expires: 2020-11-23]
                     Key fingerprint = 2265 EB4C B2BF 88D9 00AE  8D1B 74A9 41BA 219E C810
```

Arm releases

```
pub   dsa1024/0x0445B7AB9ABBEEC6 2009-06-17 [SC]
                     Key fingerprint = 6827 8CC5 DD2D 1E85 C4E4  5AD9 0445 B7AB 9ABB EEC6
uid                         [ unknown] Damian Johnson (www.atagar.com) <atagar1#gmail.com>
uid                         [ unknown] Damian Johnson <atagar#torproject.org>
sub   rsa2048/0x888404C187F30690 2010-08-07 [S]
                     Key fingerprint = 2AE2 24F5 C424 990A E520  6C85 8884 04C1 87F3 0690
sub   elg2048/0x04F1B63D146276B2 2009-06-17 [E]
                     Key fingerprint = C500 E569 5F09 CB7B AA81  A9CE 04F1 B63D 1462 76B2
```

Tails live system releases

```
pub   rsa4096/0xDBB802B258ACD84F 2015-01-18 [C] [expires: 2020-01-11]
                     Key fingerprint = A490 D0F4 D311 A415 3E2B  B7CA DBB8 02B2 58AC D84F
uid                         [ unknown] Tails developers (offline long-term identity key) <tails#boum
uid                         [ unknown] Tails developers <tails#boum.org>
sub   ed25519/0x90B2B4BD7AED235F 2017-08-28 [S] [expires: 2020-01-11]
                     Key fingerprint = CD4D 4351 AFA6 933F 574A  9AFB 90B2 B4BD 7AED 235F
sub   rsa4096/0xD21DAD38AF281C0B 2017-08-28 [S] [expires: 2020-01-11]
                     Key fingerprint = 0546 9FB8 5EAD 6589 B43D  41D3 D21D AD38 AF28 1C0B
sub   rsa4096/0x3020A7A9C2B72733 2017-08-28 [S] [expires: 2020-01-11]
                     Key fingerprint = 2FAF 9BA0 D65B B371 F0BC  2D46 3020 A7A9 C2B7 2733
sub   rsa4096/0xA8B0F4E45B1B50E2 2018-08-30 [S] [expires: 2020-01-11]
                     Key fingerprint = FE02 9CB4 AAD4 788E 1D78  28E8 A8B0 F4E4 5B1B 50E2
```

Torsocks releases

```
pub   rsa2048/0x42E86A2A11F48D36 2011-05-11 [SC] [expires: 2019-05-01]
                     Key fingerprint = B744 17ED DF22 AC9F 9E90  F491 42E8 6A2A 11F4 8D36
uid                         [ unknown] David Goulet <dgoulet#ev0ke.net>
uid                         [ unknown] David Goulet <dgoulet#riseup.net>
uid                         [ unknown] David Goulet <dgoulet#torproject.org>
sub   rsa4096/0x2AC6036C93CC198D 2013-09-10 [E] [expires: 2019-08-17]
                     Key fingerprint = 0451 E51B 33B7 AC38 C57B  09F7 2AC6 036C 93CC 198D
```

TorBirdy releases

```
pub   rsa4096/0xB01C8B006DA77FAA 2016-02-25 [SC] [expires: 2020-02-24]
                     Key fingerprint = E4AC D397 5427 A5BA 8450  A1BE B01C 8B00 6DA7 7FAA
uid                         [ unknown] Sukhbir Singh <azadi#riseup.net>
uid                         [ unknown] Sukhbir Singh <sukhbir#torproject.org>
sub   rsa4096/0x1AF20C043D9F9289 2016-02-25 [E] [expires: 2020-02-24]
                     Key fingerprint = 4403 733D 7141 9BF1 8617  4988 1AF2 0C04 3D9F 9289
```

other

```
pub   rsa4096/0x62AF4031C82E0039 2003-03-24 [SC] [expires: 2024-08-28]
                     Key fingerprint = 25FC 1614 B8F8 7B52 FF2F  99B9 62AF 4031 C82E 0039
uid                         [ unknown] Peter Palfrader
uid                         [ unknown] Peter Palfrader <weasel#debian.org>
uid                         [ unknown] Peter Palfrader <peter#palfrader.org>
sub   rsa2048/0x8602C8203872331F 2014-05-04 [S] [expires: 2020-09-01]
                     Key fingerprint = B383 D785 A8C9 2FDE BC06  0376 8602 C820 3872 331F
sub   rsa2048/0xE377AED938E4E080 2014-05-04 [E] [expires: 2020-09-01]
                     Key fingerprint = 0BF9 8225 6E85 3044 9E69  D6C7 E377 AED9 38E4 E080
```

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