

# Compatibility Matrix for Cisco Secure Email Encryption Service

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## Overview

The following tables show the compatibility for the following products and services:

- **Cisco Secure Email Encryption Service**
- **Cisco Email Security Plug-in**
- **Cisco Email Encryption Plug-in**
- **Cisco Email Reporting Plug-in**
- **Cisco Secure Email Encryption Service Add-In**
- **Cisco Secure Email Submission Add-In**

The compatibility matrix tables include compatibility listings for operating systems, browsers, email clients, and Certificate Authorities. The two tiers include:






- **Certified.** Cisco qualifies combinations that have reached significant market adoption. These fully qualified combinations are said to be *certified*, and if issues are reported on these combinations, they will be treated as bugs and given priority over issues found in *compatible* combinations.

Note that certification testing is done with the latest released version of email clients and databases at the time of testing.

- **Compatible.** Combinations which have sufficient field evidence from customers and Cisco internal users that they work are said to be *compatible*. If issues are found on these combinations they will be treated as enhancements and will be addressed in a best-effort manner.

## Supported Browsers for Desktop and Mobile

The following table shows supported browsers and their versions for Cisco Secure Email Encryption Service 6.1.0 and above:

Browser	Desktop Supported Versions	Mobile Supported Versions
Google Chrome	Chrome 83 (Windows, Linux, Mac)	Chrome 78 (Android, iOS)
Mozilla Firefox	Firefox 77 (Windows, Linux, MacOS)	Firefox 68 (Android) Firefox 26 (iOS)
Windows Edge	Edge 83 (Windows 10, MacOS)  <b>Note</b> There is no support for Linux	Edge 45.3 (Android) Edge 45.4 (Android)
Safari	Safari 13.1 (MacOS)  <b>Note</b> There is no support for Windows and Linux	Safari 13.1 (iOS)  <b>Note</b> There is no support for Android

\* Secure Message opens through forward to mobile@res.cisco.com.



**Note** There is no browser support for Internet Explorer.



**Note** You will not be able to access the attachment in Secure Message if you are using the iOS mobile browser. You must forward your secure message to mobile@res.cisco.com to open it.

# SAML 2.0 Identity Providers for Cisco Secure Email Encryption Service

The following table shows the SAML 2.0 Identity Providers (IdPs) supported for Cisco Secure Email Encryption Service 6.1.0:

IdP	IdP Version
Cisco Web Security Appliance (WSA)	7.1.4-101
Ping Federate	6.4.1
AD FS for Windows 2008	2.0
AD FS for Windows 2012	2.1

## Supported Email Clients for Email Security Plug-in

The following configurations are supported for the Cisco Email Security Plug-in 7.6.2:

Cisco Email Security Plug-in 7.6.x	Outlook 2019 (64 bit)	Outlook 365
Windows 10 Enterprise 64 bit	certified	certified



Note

Support for Microsoft Windows 7 and 8.1 versions was available only till the Cisco Email Security Plug-in release version 7.6.2-033. From this release onwards, there is only support for Microsoft Windows 10 Enterprise and Office 365.

## Supported Configurations for Cisco Email Encryption Plug-in

The following configurations are supported for the Cisco Email Encryption Plug-in 1.2.1:

Cisco Email Encryption Plug-in 1.x	Outlook 2019 (64 bit)	Outlook 365
Windows 10 Enterprise 64 bit	certified	certified



Note

Support for Microsoft Windows 7 and 8.1 versions was available till the Cisco Email Encryption Plug-in version 1.2.1-151. From this release onwards, there is only support for Microsoft Windows 10 Enterprise and Office 365.

## Supported Configurations for Cisco Email Reporting Plug-in

The following configurations are supported for the Cisco Email Reporting Plug-in 1.1.0:

Cisco Email Reporting Plug-in 1.x	Outlook 2019 (64 bit)	Outlook 365
Windows 10 Enterprise 64 bit	certified	certified

**Note**

Support for Microsoft Windows 7 and 8.1 versions was available till the Cisco Email Encryption Plug-in version 1.2.1-129. From this release onwards, there is only support for Microsoft Windows 10 Enterprise and Office 365.

## Supported Configurations for Cisco Secure Email Encryption Service Add-In and Cisco Secure Email Submission Add-in

The following configurations are supported for the Cisco Secure Encryption Service Add-in and Cisco Secure Email Submission Add-in 1.0.0:

Microsoft Office Variant	Outlook 2016 (64 bit)	Supported Outlook Versions
Certified	Microsoft 365 Apps for Enterprise	1701 or later
	Office Professional Plus 2019 or Office Standard 2019	1808 or later
	Outlook Web App	The latest versions of Microsoft Edge (on Windows), Google Chrome, Mozilla Firefox, and Safari (on macOS)
Compatible	Office Professional Plus 2016 (MSI) or Office Standard 2016 (MSI)	16.0.4494.1000 or later
	Office 2016 for Mac	16.0.9318.1000 or later

**Note**

You can install the Cisco Secure Email Submission add-in only if you are using an Office 365/Microsoft 365 subscription.

## Supported Certificate Authorities for Cisco Secure Email Encryption Service

The following table shows the Certificate Authorities supported for Cisco Secure Email Encryption Service 6.1.0:

Alias name	Owner	SHA1
digicertassuredidrootca	CN=DigiCert Assured ID Root CA, OU=www.digicert.com, O=DigiCert Inc, C=US	05:63:B8:63:0D:62:D7:5A:BB:C8:AB:1E:4B:DF:B5:A8:99:B2:4D:43
thawtepremiumserverca	EMAILADDRESS=premium-server@thawte.com, CN=Thawte Premium Server CA, OU=Certification Services Division, O=Thawte Consulting cc, L=Cape Town, ST=Western Cape, C=ZA	E0:AB:05:94:20:72:54:93:05:60:62:02:36:70:F7:CD:2E:FC:66:66
startcom_g2_ca	CN=StartCom Certification Authority G2, O=StartCom Ltd., C=IL	31:F1:FD:68:22:63:20:EE:C6:3B:3F:9D:EA:4A:3E:53:7C:7C:39:17

swissignsilverg2ca	CN=SwissSign Silver CA - G2, O=SwissSign AG, C=CH	9B:AA:E5:9F:56:EE:21:CB:43:5A: BE:25:93:DF:A7:F0:40:D1:1D:CB
swissignplatinumg2ca	CN=SwissSign Platinum CA - G2, O=SwissSign AG, C=CH	56:E0:FA:C0:3B:8F:18:23:55:18:E 5:D3:11:CA:E8:C2:43:31:AB:66
gd-root-g2	CN=Go Daddy Root Certificate Authority - G2, O="GoDaddy.com, Inc.", L=Scottsdale, ST=Arizona, C=US	47:BE:AB:C9:22:EA:E8:0E:78:78: 34:62:A7:9F:45:C2:54:FD:E6:8B
equifaxsecureebusiness ca1	CN=Equifax Secure eBusiness CA-1, O=Equifax Secure Inc., C=US	AE:E6:3D:70:E3:76:FB:C7:3A:EB: B0:A1:C1:D4:C4:7A:A7:40:B3:F4
valicert_class3	EMAILADDRESS=info@valicert.c om, CN=http://www.valicert.com/, OU=ValiCert Class 3 Policy Validation Authority, O="ValiCert, Inc.", L=ValiCert Validation Network	69:BD:8C:F4:9C:D3:00:FB:59:2E: 17:93:CA:55:6A:F3:EC:AA:35:FB
valicert_class2	EMAILADDRESS=info@valicert.c om, CN=http://www.valicert.com/, OU=ValiCert Class 2 Policy Validation Authority, O="ValiCert, Inc.", L=ValiCert Validation Network	31:7A:2A:D0:7F:2B:33:5E:F5:A1: C3:4E:4B:57:E8:B7:D8:F1:FC:A6
utnuserfirstclientauthe mailca	CN=UTN-USERFirst-Client Authentication and Email, OU=http://www.usertrust.com, O=The USERTRUST Network, L=Salt Lake City, ST=UT, C=US	B1:72:B1:A5:6D:95:F9:1F:E5:02:8 7:E1:4D:37:EA:6A:44:63:76:8A
svrsecureg3	CN=VeriSign Class 3 Secure Server CA - G3, OU=Terms of use at <a href="https://www.verisign.com/rpa(c)10">https://www.verisign.com/rpa(c)10</a> , OU=VeriSign Trust Network, O="VeriSign, Inc.", C=US	5D:EB:8F:33:9E:26:4C:19:F6:68:6 F:5F:8F:32:B5:4A:4C:46:B4:76
utnuserfirsthardwareca	CN=UTN-USERFirst-Hardware, OU=http://www.usertrust.com, O=The USERTRUST Network, L=Salt Lake City, ST=UT, C=US	04:83:ED:33:99:AC:36:08:05:87:22 :ED:BC:5E:46:00:E3:BE:F9:D7
entrustevca	CN=Entrust Root Certification Authority, OU="(c) 2006 Entrust, Inc.", OU=www.entrust.net/CPS is incorporated by reference, O="Entrust, Inc.", C=US	B3:1E:B1:B7:40:E3:6C:84:02:DA: DC:37:D4:4D:F5:D4:67:49:52:F9
certumca	CN=Certum CA, O=Unizeto Sp. z o.o., C=PL	62:52:DC:40:F7:11:43:A2:2F:DE:9 E:F7:34:8E:06:42:51:B1:81:18

entrustrootcag2	CN=Entrust Root Certification Authority - G2, OU="(c) 2009 Entrust, Inc. - for authorized use only", OU=See www.entrust.net/legal-terms, O="Entrust, Inc.", C=US	8C:F4:27:FD:79:0C:3A:D1:66:06:8D:E8:1E:57:EF:BB:93:22:72:D4
addtrustclass1ca	CN=AddTrust Class 1 CA Root, OU=AddTrust TTP Network, O=AddTrust AB, C=SE	CC:AB:0E:A0:4C:23:01:D6:69:7B:DD:37:9F:CD:12:EB:24:E3:94:9D
equifaxsecureca	OU=Equifax Secure Certificate Authority, O=Equifax, C=US	D2:32:09:AD:23:D3:14:23:21:74:E4:0D:7F:9D:62:13:97:86:63:3A
quovadisrootca3	CN=QuoVadis Root CA 3, O=QuoVadis Limited, C=BM	1F:49:14:F7:D8:74:95:1D:DD:AE:02:C0:BE:FD:3A:2D:82:75:51:85
quovadisrootca2	CN=QuoVadis Root CA 2, O=QuoVadis Limited, C=BM	CA:3A:FB:CF:12:40:36:4B:44:B2:16:20:88:80:48:39:19:93:7C:F7
digicert security services ca	CN=DigiCert Security Services CA, O=DigiCert Inc., C=US	24:B5:76:81:21:DF:DD:10:FD:18:B0:0F:45:58:A4:63:72:BA:FA:90
dstrootcax3	CN=DST Root CA X3, O=Digital Signature Trust Co.	DA:C9:02:4F:54:D8:F6:DF:94:93:5F:B1:73:26:38:CA:6A:D7:7C:13
digicerthighassuranceevrootca	CN=DigiCert High Assurance EV Root CA, OU=www.digicert.com, O=DigiCert Inc, C=US	5F:B7:EE:06:33:E2:59:DB:AD:0C:4C:9A:E6:D3:8F:1A:61:C7:DC:25
equifaxsecureglobalebusinessca1	CN=Equifax Secure Global eBusiness CA-1, O=Equifax Secure Inc., C=US	3A:74:CB:7A:47:DB:70:DE:89:1F:24:35:98:64:B8:2D:82:BD:1A:36
geotrustuniversalca	CN=GeoTrust Universal CA, O=GeoTrust Inc., C=US	E6:21:F3:35:43:79:05:9A:4B:68:30:9D:8A:2F:74:22:15:87:EC:79
affirmtrustnetworking	CN=AffirmTrust Networking, O=AffirmTrust, C=US	29:36:21:02:8B:20:ED:02:F5:66:C5:32:D1:D6:ED:90:9F:45:00:2F
thawteprimaryrootcag3	CN=thawte Primary Root CA - G3, OU="(c) 2008 thawte, Inc. - For authorized use only", OU=Certification Services Division, O="thawte, Inc.", C=US	F1:8B:53:8D:1B:E9:03:B6:A6:F0:56:43:5B:17:15:89:CA:F3:6B:F2
verisignclass3ca	OU=Class 3 Public Primary Certification Authority, O="VeriSign, Inc.", C=US	A1:DB:63:93:91:6F:17:E4:18:55:09:40:04:15:C7:02:40:B0:AE:6B
deutschetelekomrootca2	CN=Deutsche Telekom Root CA 2, OU=T-TeleSec Trust Center, O=Deutsche Telekom AG, C=DE	85:A4:08:C0:9C:19:3E:5D:51:58:7D:CD:D6:13:30:FD:8C:DE:37:BF
utnuserfirstobjectca	CN=UTN-USERFirst-Object, OU=http://www.usertrust.com, O=The USERTRUST Network, L=Salt Lake City, ST=UT, C=US	E1:2D:FB:4B:41:D7:D9:C3:2B:30:51:4B:AC:1D:81:D8:38:5E:2D:46
geotrustprimaryca	CN=GeoTrust Primary Certification Authority, O=GeoTrust Inc., C=US	32:3C:11:8E:1B:F7:B8:B6:52:54:E2:E2:10:0D:D6:02:90:37:F0:96

verisignclass1ca	OU=Class 1 Public Primary Certification Authority, O="VeriSign, Inc.", C=US	CE:6A:64:A3:09:E4:2F:BB:D9:85:1C:45:3E:64:09:EA:E8:7D:60:F1
baltimorecodesigningca	CN=Baltimore CyberTrust Code Signing Root, OU=CyberTrust, O=Baltimore, C=IE	30:46:D8:C8:88:FF:69:30:C3:4A:FC:CD:49:27:08:7C:60:56:7B:0D
baltimorecybertrustca	CN=Baltimore CyberTrust Root, OU=CyberTrust, O=Baltimore, C=IE	D4:DE:20:D0:5E:66:FC:53:FE:1A:50:88:2C:78:DB:28:52:CA:E4:74
starfieldclass2ca	OU=Starfield Class 2 Certification Authority, O="Starfield Technologies, Inc.", C=US	AD:7E:1C:28:B0:64:EF:8F:60:03:40:20:14:C3:D0:E3:37:0E:B5:8A
camerfirmachamberscommerceca	CN=Chambers of Commerce Root, OU=http://www.chambersign.org, O=AC Camerfirma SA CIF A82743287, C=EU	6E:3A:55:A4:19:0C:19:5C:93:84:3C:C0:DB:72:2E:31:30:61:F0:B1
ttelesecglobalrootclass3ca	CN=T-TeleSec GlobalRoot Class 3, OU=T-Systems Trust Center, O=T-Systems Enterprise Services GmbH, C=DE	55:A6:72:3E:CB:F2:EC:CD:C3:23:74:70:19:9D:2A:BE:11:E3:81:D1
verisignclass3g5ca	CN=VeriSign Class 3 Public Primary Certification Authority - G5, OU="(c) 2006 VeriSign, Inc. - For authorized use only", OU=VeriSign Trust Network, O="VeriSign, Inc.", C=US	4E:B6:D5:78:49:9B:1C:CF:5F:58:1E:AD:56:BE:3D:9B:67:44:A5:E5
startcom_ca	CN=StartCom Certification Authority, OU=Secure Digital Certificate Signing, O=StartCom Ltd., C=IL	3E:2B:F7:F2:03:1B:96:F3:8C:E6:C4:D8:A8:5D:3E:2D:58:47:6A:0F
startcom_sha2	CN=StartCom Certification Authority, OU=Secure Digital Certificate Signing, O=StartCom Ltd., C=IL	A3:F1:33:3F:E2:42:BF:CF:C5:D1:4E:8F:39:42:98:40:68:10:D1:A0
ttelesecglobalrootclass2ca	CN=T-TeleSec GlobalRoot Class 2, OU=T-Systems Trust Center, O=T-Systems Enterprise Services GmbH, C=DE	59:0D:2D:7D:88:4F:40:2E:61:7E:A5:62:32:17:65:CF:17:D8:94:E9
verisignclass3g3ca	CN=VeriSign Class 3 Public Primary Certification Authority - G3, OU="(c) 1999 VeriSign, Inc. - For authorized use only", OU=VeriSign Trust Network, O="VeriSign, Inc.", C=US	13:2D:0D:45:53:4B:69:97:CD:B2:D5:C3:39:E2:55:76:60:9B:5C:C6
certumtrustednetworkca	CN=Certum Trusted Network CA, OU=Certum Certification Authority, O=Unizeto Technologies S.A., C=PL	07:E0:32:E0:20:B7:2C:3F:19:2F:06:28:A2:59:3A:19:A7:0F:06:9E

certplusclass3pprimaryca	CN=Class 3P Primary CA, O=Certplus, C=FR	21:6B:2A:29:E6:2A:00:CE:82:01:46:D8:24:41:41:B9:25:11:B2:79
verisignclass3g2ca	OU=VeriSign Trust Network, OU="(c) 1998 VeriSign, Inc. - For authorized use only", OU=Class 3 Public Primary Certification Authority - G2, O="VeriSign, Inc.", C=US	85:37:1C:A6:E5:50:14:3D:CE:28:03:47:1B:DE:3A:09:E8:F8:77:0F
globalsignr3ca	CN=GlobalSign, O=GlobalSign, OU=GlobalSign Root CA - R3	D6:9B:56:11:48:F0:1C:77:C5:45:78:C1:09:26:DF:5B:85:69:76:AD
secomscrootca2	OU=Security Communication RootCA2, O="SECOM Trust Systems CO.,LTD.", C=JP	5F:3B:8C:F2:F8:10:B3:7D:78:B4:CE:EC:19:19:C3:73:34:B9:C7:74
secomscrootca1	OU=Security Communication RootCA1, O=SECOM Trust.net, C=JP	36:B1:2B:49:F9:81:9E:D7:4C:9E:BC:38:0F:C6:56:8F:5D:AC:B2:F7
gtecybertrustglobalca	CN=GTE CyberTrust Global Root, OU="GTE CyberTrust Solutions, Inc.", O=GTE Corporation, C=US	97:81:79:50:D8:1C:96:70:CC:34:D8:09:CF:79:44:31:36:7E:F4:74
verisignuniversalrootca	CN=VeriSign Universal Root Certification Authority, OU="(c) 2008 VeriSign, Inc. - For authorized use only", OU=VeriSign Trust Network, O="VeriSign, Inc.", C=US	36:79:CA:35:66:87:72:30:4D:30:A5:FB:87:3B:0F:A7:7B:B7:0D:54
globalsignr2ca	CN=GlobalSign, O=GlobalSign, OU=GlobalSign Root CA - R2	75:E0:AB:B6:13:85:12:27:1C:04:F8:5F:DD:DE:38:E4:B7:24:2E:FE
certplusclass2primaryca	CN=Class 2 Primary CA, O=Certplus, C=FR	74:20:74:41:72:9C:DD:92:EC:79:31:D8:23:10:8D:C2:81:92:E2:BB
digicertglobalrootca	CN=DigiCert Global Root CA, OU=www.digicert.com, O=DigiCert Inc, C=US	A8:98:5D:3A:65:E5:E5:C4:B2:D7:D6:6D:40:C6:DD:2F:B1:9C:54:36
globalsignca	CN=GlobalSign Root CA, OU=Root CA, O=GlobalSign nv-sa, C=BE	B1:BC:96:8B:D4:F4:9D:62:2A:A8:9A:81:F2:15:01:52:A4:1D:82:9C
thawteprimaryrootca	CN=thawte Primary Root CA, OU="(c) 2006 thawte, Inc. - For authorized use only", OU=Certification Services Division, O="thawte, Inc.", C=US	91:C6:D6:EE:3E:8A:C8:63:84:E5:48:C2:99:29:5C:75:6C:81:7B:81
geotrustglobalca	CN=GeoTrust Global CA, O=GeoTrust Inc., C=US	DE:28:F4:A4:FF:E5:B9:2F:A3:C5:03:D1:A3:49:A7:F9:96:2A:82:12
soneraclass2ca	CN=Sonera Class2 CA, O=Sonera, C=FI	37:F7:6D:E6:07:7C:90:C5:B1:3E:93:1A:B7:41:10:B4:F2:E4:9A:27
networksolutions	CN=Network Solutions Certificate Authority, O=Network Solutions L.L.C., C=US	D6:C1:D1:45:29:E2:62:30:69:FD:DE:A6:0C:0F:F6:88:43:29:9C:4A



verisignsaca	CN=Thawte Timestamping CA, OU=Thawte Certification, O=Thawte, L=Durbanville, ST=Western Cape, C=ZA	20:CE:B1:F0:F5:1C:0E:19:A9:F3:8 D:B1:AA:8E:03:8C:AA:7A:C7:01
quovadisrootca	CN=QuoVadis Root Certification Authority, OU=Root Certification Authority, O=QuoVadis Limited, C=BM	DE:3F:40:BD:50:93:D3:9B:6C:60: F6:DA:BC:07:62:01:00:89:76:C9
verisignclass3securer ver	CN=VeriSign Class 3 Secure Server CA, OU=Terms of use at <a href="https://www.verisign.com/rpa">https://www.verisign.com/rpa</a> (c)05, OU=VeriSign Trust Network, O="VeriSign, Inc.", C=US	18:85:90:E9:48:78:47:8E:33:B6:19: 4E:59:FB:BB:28:FF:08:88:D5
trustis	OU=Trustis FPS Root CA, O=Trustis Limited, C=GB	3B:C0:38:0B:33:C3:F6:A6:0C:86:1 5:22:93:D9:DF:F5:4B:81:C0:04
comodoaaca	CN=AAA Certificate Services, O=Comodo CA Limited, L=Salford, ST=Greater Manchester, C=GB	D1:EB:23:A4:6D:17:D6:8F:D9:25: 64:C2:F1:F1:60:17:64:D8:E3:49
aolrootca2	CN=America Online Root Certification Authority 2, O=America Online Inc., C=US	85:B5:FF:67:9B:0C:79:96:1F:C8:6 E:44:22:00:46:13:DB:17:92:84
keynectisrootca	CN=KEYNECTIS ROOT CA, OU=ROOT, O=KEYNECTIS, C=FR	9C:61:5C:4D:4D:85:10:3A:53:26:C 2:4D:BA:EA:E4:A2:D2:D5:CC:97
addtrustqualifiedca	CN=AddTrust Qualified CA Root, OU=AddTrust TTP Network, O=AddTrust AB, C=SE	4D:23:78:EC:91:95:39:B5:00:7F:75 :8F:03:3B:21:1E:C5:4D:8B:CF
aolrootca1	CN=America Online Root Certification Authority 1, O=America Online Inc., C=US	39:21:C1:15:C1:5D:0E:CA:5C:CB: 5B:C4:F0:7D:21:D8:05:0B:56:6A
verisignclass2g3ca	CN=VeriSign Class 2 Public Primary Certification Authority - G3, OU="(c) 1999 VeriSign, Inc. - For authorized use only", OU=VeriSign Trust Network, O="VeriSign, Inc.", C=US	61:EF:43:D7:7F:CA:D4:61:51:BC: 98:E0:C3:59:12:AF:9F:EB:63:11
addtrustexternalca	CN=AddTrust External CA Root, OU=AddTrust External TTP Network, O=AddTrust AB, C=SE	02:FA:F3:E2:91:43:54:68:60:78:57: 69:4D:F5:E4:5B:68:85:18:68
verisignclass2g2ca	OU=VeriSign Trust Network, OU="(c) 1998 VeriSign, Inc. - For authorized use only", OU=Class 2 Public Primary Certification Authority - G2, O="VeriSign, Inc.", C=US	B3:EA:C4:47:76:C9:C8:1C:EA:F2: 9D:95:B6:CC:A0:08:1B:67:EC:9D
geotrustprimarycag3	CN=GeoTrust Primary Certification Authority - G3, OU=(c) 2008 GeoTrust Inc. - For authorized use only, O=GeoTrust Inc., C=US	03:9E:ED:B8:0B:E7:A0:3C:69:53: 89:3B:20:D2:D9:32:3A:4C:2A:FD

swissigngoldg2ca	CN=SwissSign Gold CA - G2, O=SwissSign AG, C=CH	D8:C5:38:8A:B7:30:1B:1B:6E:D4: 7A:E6:45:25:3A:6F:9F:1A:27:61
entrust2048ca	CN=Entrust.net Certification Authority (2048), OU=(c) 1999 Entrust.net Limited, OU=www.entrust.net/CPS_2048 incorp. by ref. (limits liab.), O=Entrust.net	50:30:06:09:1D:97:D4:F5:AE:39:F 7:CB:E7:92:7D:7D:65:2D:34:31
camerfirmachambersign ca	CN=Global Chambersign Root - 2008, O=AC Camerfirma S.A., SERIALNUMBER=A82743287, L=Madrid (see current address at www.camerfirma.com/address), C=EU	4A:BD:EE:EC:95:0D:35:9C:89:AE :C7:52:A1:2C:5B:29:F6:D6:AA:0C
camerfirmachambersca	CN=Chambers of Commerce Root - 2008, O=AC Camerfirma S.A., SERIALNUMBER=A82743287, L=Madrid (see current address at www.camerfirma.com/address), C=EU	78:6A:74:AC:76:AB:14:7F:9C:6A: 30:50:BA:9E:A8:7E:FE:9A:CE:3C
godaddyclass2ca	OU=Go Daddy Class 2 Certification Authority, O="The Go Daddy Group, Inc.", C=US	27:96:BA:E6:3F:18:01:E2:77:26:1 B:A0:D7:77:70:02:8F:20:EE:E4
utn	CN=UTN-USERFirst-Hardware, OU=http://www.usertrust.com, O=The USERTRUST Network, L=Salt Lake City, ST=UT, C=US	04:83:ED:33:99:AC:36:08:05:87:22 :ED:BC:5E:46:00:E3:BE:F9:D7
verisignclass1g3ca	CN=VeriSign Class 1 Public Primary Certification Authority - G3, OU="(c) 1999 VeriSign, Inc. - For authorized use only", OU=VeriSign Trust Network, O="VeriSign, Inc.", C=US	20:42:85:DC:F7:EB:76:41:95:57:8 E:13:6B:D4:B7:D1:E9:8E:46:A5
secomevrootca1	OU=Security Communication EV RootCA1, O="SECOM Trust Systems CO.,LTD.", C=JP	FE:B8:C4:32:DC:F9:76:9A:CE:AE :3D:D8:90:8F:FD:28:86:65:64:7D
verisignclass1g2ca	OU=VeriSign Trust Network, OU="(c) 1998 VeriSign, Inc. - For authorized use only", OU=Class 1 Public Primary Certification Authority - G2, O="VeriSign, Inc.", C=US	27:3E:E1:24:57:FD:C4:F9:0C:55:E 8:2B:56:16:7F:62:F5:32:E5:47
starfieldrootcertificatea uthority-g2	CN=Starfield Root Certificate Authority - G2, O="Starfield Technologies, Inc.", L=Scottsdale, ST=Arizona, C=US	B5:1C:06:7C:EE:2B:0C:3D:F8:55: AB:2D:92:F4:FE:39:D4:E7:0F:0E
trustwave	CN=SecureTrust CA, O=SecureTrust Corporation, C=US	87:82:C6:C3:04:35:3B:CF:D2:96:9 2:D2:59:3E:7D:44:D9:34:FF:11

affirmtrustcommercial	CN=AffirmTrust Commercial, O=AffirmTrust, C=US	F9:B5:B6:32:45:5F:9C:BE:EC:57:5 F:80:DC:E9:6E:2C:C7:B2:78:B7
digicertassuredidg3	CN=DigiCert Assured ID Root G3, OU=www.digicert.com, O=DigiCert Inc, C=US	F5:17:A2:4F:9A:48:C6:C9:F8:A2:0 0:26:9F:DC:0F:48:2C:AB:30:89
digicerttrustedrootg4	CN=DigiCert Trusted Root G4, OU=www.digicert.com, O=DigiCert Inc, C=US	DD:FB:16:CD:49:31:C9:73:A2:03: 7D:3F:C8:3A:4D:7D:77:5D:05:E4
identrustpublicca	CN=IdenTrust Public Sector Root CA 1, O=IdenTrust, C=US	BA:29:41:60:77:98:3F:F4:F3:EF:F 2:31:05:3B:2E:EA:6D:4D:45:FD
digicertglobalrootg3	CN=DigiCert Global Root G3, OU=www.digicert.com, O=DigiCert Inc, C=US	7E:04:DE:89:6A:3E:66:6D:00:E6:8 7:D3:3F:FA:D9:3B:E8:3D:34:9E
entrustrootcaec1	CN=Entrust Root Certification Authority - EC1, OU="(c) 2012 Entrust, Inc. - for authorized use only", OU=See www.entrust.net/legal-terms, O="Entrust, Inc.", C=US	20:D8:06:40:DF:9B:25:F5:12:25:3 A:11:EA:F7:59:8A:EB:14:B5:47
identrustdstx3	CN=DST Root CA X3, O=Digital Signature Trust Co.	DA:C9:02:4F:54:D8:F6:DF:94:93:5 F:B1:73:26:38:CA:6A:D7:7C:13
comodoeccca	CN=COMODO ECC Certification Authority, O=COMODO CA Limited, L=Salford, ST=Greater Manchester, C=GB	9F:74:4E:9F:2B:4D:BA:EC:0F:31: 2C:50:B6:56:3B:8E:2D:93:C3:11
globalsigneccrootcar4	CN=GlobalSign, O=GlobalSign, OU=GlobalSign ECC Root CA - R4	69:69:56:2E:40:80:F4:24:A1:E7:19 :9F:14:BA:F3:EE:58:AB:6A:BB
usertrustsaca	CN=USERTrust RSA Certification Authority, O=The USERTRUST Network, L=Jersey City, ST=New Jersey, C=US	2B:8F:1B:57:33:0D:BB:A2:D0:7A: 6C:51:F7:0E:E9:0D:DA:B9:AD:8E
digicertglobalrootg2	CN=DigiCert Global Root G2, OU=www.digicert.com, O=DigiCert Inc, C=US	DF:3C:24:F9:BF:D6:66:76:1B:26:8 0:73:FE:06:D1:CC:8D:4F:82:A4
actalisauthenticationroo tca	CN=Actalis Authentication Root CA, O=Actalis S.p.A./03358520967, L=Milan, C=IT	F3:73:B3:87:06:5A:28:84:8A:F2:F 3:4A:CE:19:2B:DD:C7:8E:9C:AC
digicertassuredidg2	CN=DigiCert Assured ID Root G2, OU=www.digicert.com, O=DigiCert Inc, C=US	A1:4B:48:D9:43:EE:0A:0E:40:90:4 F:3C:E0:A4:C0:91:93:51:5D:3F
swisscomrootevca2	CN=Swisscom Root EV CA 2, OU=Digital Certificate Services, O=Swisscom, C=ch	E7:A1:90:29:D3:D5:52:DC:0D:0F: C6:92:D3:EA:88:0D:15:2E:1A:6B
quovadisrootca2g3	CN=QuoVadis Root CA 2 G3, O=QuoVadis Limited, C=BM	09:3C:61:F3:8B:8B:DC:7D:55:DF: 75:38:02:05:00:E1:25:F5:C8:36

securetrustca	CN=SecureTrust CA, O=SecureTrust Corporation, C=US	87:82:C6:C3:04:35:3B:CF:D2:96:9 2:D2:59:3E:7D:44:D9:34:FF:11
identrustcommercial	CN=IdenTrust Commercial Root CA 1, O=IdenTrust, C=US	DF:71:7E:AA:4A:D9:4E:C9:55:84: 99:60:2D:48:DE:5F:BC:F0:3A:25
buypassclass3ca	CN=Buypass Class 3 Root CA, O=Buypass AS-983163327, C=NO	DA:FA:F7:FA:66:84:EC:06:8F:14:5 0:BD:C7:C2:81:A5:BC:A9:64:57
verisignclass3g4ca	CN=VeriSign Class 3 Public Primary Certification Authority - G4, OU="(c) 2007 VeriSign, Inc. - For authorized use only", OU=VeriSign Trust Network, O="VeriSign, Inc.", C=US	22:D5:D8:DF:8F:02:31:D1:8D:F7: 9D:B7:CF:8A:2D:64:C9:3F:6C:3A
luxtrustglobalrootca	CN=LuxTrust Global Root, O=LuxTrust s.a., C=LU	C9:3C:34:EA:90:D9:13:0C:0F:03:0 0:4B:98:BD:8B:35:70:91:56:11
affirmtrustnetworkingc a	CN=AffirmTrust Networking, O=AffirmTrust, C=US	29:36:21:02:8B:20:ED:02:F5:66:C5 :32:D1:D6:ED:90:9F:45:00:2F
xrampglobalca	CN=XRamp Global Certification Authority, O=XRamp Security Services Inc, OU=www.xrampsecurity.com, C=US	B8:01:86:D1:EB:9C:86:A5:41:04:C F:30:54:F3:4C:52:B7:E5:58:C6
thawteprimaryrootcag2	CN=thawte Primary Root CA - G2, OU="(c) 2007 thawte, Inc. - For authorized use only", O="thawte, Inc.", C=US	AA:DB:BC:22:23:8F:C4:01:A1:27: BB:38:DD:F4:1D:DB:08:9E:F0:12
usertrusteccca	CN=USERTrust ECC Certification Authority, O=The USERTRUST Network, L=Jersey City, ST=New Jersey, C=US	D1:CB:CA:5D:B2:D5:2A:7F:69:3B :67:4D:E5:F0:5A:1D:0C:95:7D:F0
affirmtrustpremiumca	CN=AffirmTrust Premium, O=AffirmTrust, C=US	D8:A6:33:2C:E0:03:6F:B1:85:F6:6 3:4F:7D:6A:06:65:26:32:28:27
dtrustclass3ca2	CN=D-TRUST Root Class 3 CA 2 2009, O=D-Trust GmbH, C=DE	58:E8:AB:B0:36:15:33:FB:80:F7:9 B:1B:6D:29:D3:FF:8D:5F:00:F0
affirmtrustcommercialc a	CN=AffirmTrust Commercial, O=AffirmTrust, C=US	F9:B5:B6:32:45:5F:9C:BE:EC:57:5 F:80:DC:E9:6E:2C:C7:B2:78:B7
geotrustprimarycag2	CN=GeoTrust Primary Certification Authority - G2, OU=(c) 2007 GeoTrust Inc. - For authorized use only, O=GeoTrust Inc., C=US	8D:17:84:D5:37:F3:03:7D:EC:70:F E:57:8B:51:9A:99:E6:10:D7:B0
starfieldrootg2ca	CN=Starfield Root Certificate Authority - G2, O="Starfield Technologies, Inc.", L=Scottsdale, ST=Arizona, C=US	B5:1C:06:7C:EE:2B:0C:3D:F8:55: AB:2D:92:F4:FE:39:D4:E7:0F:0E
affirmtrustpremiumeccc a	CN=AffirmTrust Premium ECC, O=AffirmTrust, C=US	B8:23:6B:00:2F:1D:16:86:53:01:55 :6C:11:A4:37:CA:EB:FF:C3:BB

swisscomrootca2	CN=Swisscom Root CA 2, OU=Digital Certificate Services, O=Swisscom, C=ch	77:47:4F:C6:30:E4:0F:4C:47:64:3F :84:BA:B8:C6:95:4A:8A:41:EC
godaddyrootg2ca	CN=Go Daddy Root Certificate Authority - G2, O="GoDaddy.com, Inc.", L=Scottsdale, ST=Arizona, C=US	47:BE:AB:C9:22:EA:E8:0E:78:78: 34:62:A7:9F:45:C2:54:FD:E6:8B
chungwaepkirootca	OU=ePKI Root Certification Authority, O="Chunghwa Telecom Co., Ltd.", C=TW	67:65:0D:F1:7E:8E:7E:5B:82:40:A 4:F4:56:4B:CF:E2:3D:69:C6:F0
quovadisrootca3g3	CN=QuoVadis Root CA 3 G3, O=QuoVadis Limited, C=BM	48:12:BD:92:3C:A8:C4:39:06:E7:3 0:6D:27:96:E6:A4:CF:22:2E:7D
quovadisrootca1g3	CN=QuoVadis Root CA 1 G3, O=QuoVadis Limited, C=BM	1B:8E:EA:57:96:29:1A:C9:39:EA: B8:0A:81:1A:73:73:C0:93:79:67
comodorsaca	CN=COMODO RSA Certification Authority, O=COMODO CA Limited, L=Salford, ST=Greater Manchester, C=GB	AF:E5:D2:44:A8:D1:19:42:30:FF:4 7:9F:E2:F8:97:BB:CD:7A:8C:B4
buypassclass2ca	CN=Buypass Class 2 Root CA, O=Buypass AS-983163327, C=NO	49:0A:75:74:DE:87:0A:47:FE:58:E E:F6:C7:6B:EB:C6:0B:12:40:99
dtrustclass3ca2ev	CN=D-TRUST Root Class 3 CA 2 EV 2009, O=D-Trust GmbH, C=DE	96:C9:1B:0B:95:B4:10:98:42:FA:D 0:D8:22:79:FE:60:FA:B9:16:83
globalsignecrootcar5	CN=GlobalSign, O=GlobalSign, OU=GlobalSign ECC Root CA - R5	1F:24:C6:30:CD:A4:18:EF:20:69:F F:AD:4F:DD:5F:46:3A:1B:69:AA
starfieldservicesrootg2ca	CN=Starfield Services Root Certificate Authority - G2, O="Starfield Technologies, Inc.", L=Scottsdale, ST=Arizona, C=US	92:5A:8F:8D:2C:6D:04:E0:66:5F:5 9:6A:FF:22:D8:63:E8:25:6F:3F

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