



Cisco Email Encryption Compatibility Matrix

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Overview

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

- **Cisco Registered Envelope Service**
- **Cisco Email Security Plug-in**
- **Cisco Business Class Email For Mobile Devices**

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.



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Supported Browsers for CRES (End-User Pages Only)

The following table shows browser support for Cisco Registered Envelope Service (CRES) 4.7:

Browser	Windows Vista	Windows 7	Windows 8	Windows 10	Mac OS X
IE 9	certified*	—	—	—	—
IE 11	—	certified	certified	certified	—
Microsoft Edge	—	—	—	certified	—
Firefox ESR 38.6.0	—	certified	certified	compatible	compatible
Firefox 44	—	certified	certified	compatible	compatible
Safari 9	—	—	—	—	certified
Chrome 48	—	compatible	compatible	compatible	compatible

* Envelope opens through forward to mobile@res.cisco.com

SAML 2.0 Identity Providers for CRES

The following table shows the SAML 2.0 Identity Providers (IdPs) supported for CRES 4.7:

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-ins

The following configurations are supported for the Cisco Email Security Plug-in 7.5.2.x:

Cisco Email Security Plug-in 7.5.x	Outlook 2007 (32 bit)	Outlook 2010 (32 bit)	Outlook 2010 (64 bit)	Outlook 2013 (32 bit)	Outlook 2013 (64 bit)	Outlook 2016 (32 bit)	Outlook 2016 (64 bit)
Vista 32 bit	certified	certified	—	—	—	—	—
Vista 64 bit	compatible	certified	certified	—	—	—	—
Win 7 32 bit	certified	certified	—	certified	—	compatible	—
Win 7 64 bit	certified	certified	certified	compatible	certified	certified	compatible
Win 8 32 bit	compatible	compatible	compatible	certified	compatible	compatible	compatible
Win 8 64 bit	compatible	compatible	compatible	compatible	compatible	compatible	compatible
Win 8.1 32 bit	compatible	compatible	compatible	compatible	compatible	compatible	compatible
Win 8.1 64 bit	compatible	compatible	compatible	compatible	certified	compatible	compatible
Win 10 32 bit	certified	compatible	compatible	compatible	compatible	compatible	compatible

Cisco Email Security Plug-in 7.5.x	Outlook 2007 (32 bit)	Outlook 2010 (32 bit)	Outlook 2010 (64 bit)	Outlook 2013 (32 bit)	Outlook 2013 (64 bit)	Outlook 2016 (32 bit)	Outlook 2016 (64 bit)
Win 10 64 bit	compatible	compatible	certified	compatible	certified	compatible	certified
Citrix	—	—	—	—	—	—	—

The following configurations are supported for the Cisco IronPort Email Security Plug-in 7.4.x:

Cisco IronPort Email Security Plug-in 7.4.x	Outlook 2007 (32 bit)	Outlook 2010 (32 bit)	Outlook 2010 (64 bit)	Outlook 2013 (32 bit)	Outlook 2013 (64 bit)
Vista 32 bit	certified	certified	—	—	—
Vista 64 bit	compatible	certified	certified	—	—
Win 7 32 bit	certified	certified	—	certified	—
Win 7 64 bit	certified	certified	certified	compatible	certified
Win 8 32 bit	compatible	compatible	compatible	certified	compatible
Win 8 64 bit	compatible	compatible	compatible	compatible	compatible
Win 8 .1 32 bit	compatible	compatible	compatible	compatible	compatible
Win 8 .1 64 bit	compatible	compatible	compatible	compatible	certified
Citrix	—	—	—	—	—

Supported Mobile Operating Systems for Cisco Business Class Email

The Cisco Business Class Email (BCE) application for mobile devices is supported on the following:

Cisco BCE Version	Compatible		Certified	
2.1.1 for iOS	iOS 7.1.2	iOS 8.3	iOS 8.4	iOS 9.1
	iOS 8.0		iOS 9.0	
	iOS 8.2		iOS 9.0.2	
2.1.1 for Android	4.0.4	5.1	4.2.1	
	4.4.2		5.1.1	
	5.0.2			

Supported Certificate Authorities for CRES

The following table shows the Certificate Authorities supported for CRES 4.7:

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
swisssignsilverg2ca	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
swisssignplatinumg2ca	CN=SwissSign Platinum CA - G2, O=SwissSign AG, C=CH	56:E0:FA:C0:3B:8F:18:23:55:18:E5: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
equifaxsecureebusinessca1	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.com, 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.com, 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
utnuserfirstclientauthemailca	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:E5:02:87:E1:4D:37:EA:6A:44:63:76:8A
svrsecureg3	CN=VeriSign Class 3 Secure Server CA - G3, OU=Terms of use at https://www.verisign.com/rpa(c)10, OU=VeriSign Trust Network, O="VeriSign, Inc.", C=US	5D:EB:8F:33:9E:26:4C:19:F6:68:6F: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:9E: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:82:01:4 6: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:28:0 3:47:1B: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:C5:45:7 8:C1:09:26:DF:5B:85:69:76:AD
utndatacorpsgccca	CN=UTN - DATA Corp SGC, OU=http://www.usertrust.com, O=The USERTRUST Network, L=Salt Lake City, ST=UT, C=US	58:11:9F:0E:12:82:87:EA:50:FD:D 9:87:45:6F:4F:78:DC:FA:D6:D4
secomscrootca2	OU=Security Communication RootCA2, O="SECOM Trust Systems CO.,LTD.", C=JP	5F:3B:8C:F2:F8:10:B3:7D:78:B4:C E: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:B C: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:D 8:09: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:A 5: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:F 8:5F: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:79:3 1: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:E5:4 8: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:9 3:1A: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
verisigntsaca	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:F3:8D: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
soneraclass1ca	CN=Sonera Class1 CA, O=Sonera, C=FI	07:47:22:01:99:CE:74:B9:7C:B0:3D:79:B2:64:A2:C8:55:E9:33:FF
verisignclass3secureserver	CN=VeriSign Class 3 Secure Server CA, OU=Terms of use at https://www.verisign.com/rpa(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:86:15:22:93:D9:DF:F5:4B:81:C0:04
comodoaaaca	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:C8:6E: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:C2:4D: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
swissisnggoldg2ca	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
camerfirmachambersigna	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
starfieldrootcertificateauth ority-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

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