



TECHNICAL BULLETIN

Software 4.0.7 | November 2014 | 3725-49116-001

## Certificate Updates For Polycom<sup>®</sup> UC Software 4.0.7

For SoundPoint<sup>®</sup> IP, SoundStation<sup>®</sup> IP, SoundStation Duo<sup>™</sup>, and VVX<sup>®</sup> Phones

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USA



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# Contents

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<b>Certificate Updates For Polycom UC Software 4.0.7 .....</b>	<b>4</b>
<i>Customer Impact .....</i>	<i>4</i>
<b>Unsupported Thawte MD5 Based Root Certificates.....</b>	<b>4</b>
<i>Thawte Personal Basic CA-md5WithRSA .....</i>	<i>4</i>
<i>Thawte Personal Freemail CA-md5WithRSA .....</i>	<i>6</i>
<i>Thawte Personal Premium CA-md5WithRSA.....</i>	<i>8</i>
<i>Thawte Premium Server CA-md5WithRSA.....</i>	<i>11</i>
<i>Thawte Server CA-md5WithRSA.....</i>	<i>13</i>
<b>Supported Thawte SHA1 Based Root Certificates .....</b>	<b>16</b>
<i>Thawte Personal Basic CA-sha1WithRSA.....</i>	<i>16</i>
<i>Thawte Personal Freemail CA-sha1WithRSA.....</i>	<i>18</i>
<i>Thawte Personal Premium CA-sha1WithRSA .....</i>	<i>20</i>
<i>Thawte Premium Server CA-sha1WithRSA.....</i>	<i>22</i>
<i>Thawte Server CA-sha1WithRSA.....</i>	<i>24</i>

# Certificate Updates For Polycom UC Software 4.0.7

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Polycom now supports the SHA1 Thawte certificates and no longer supports the Thawte MD5 certificates.

## Customer Impact

If you are using the Thawte MD5 CA issued certificates, Polycom recommends that you migrate to SHA1-based secure certificates. If you continue to use Thawte MD5 CA signed certificates, the secure communication with the device can fail. Both the unsupported and supported certificates are listed below.

## No Longer Supported Thawte MD5 Based Root Certificates

- [Thawte Personal Basic CA-md5WithRSA](#)
- [Thawte Personal Freemail CA-md5WithRSA](#)
- [Thawte Personal Premium CA-md5WithRSA](#)
- [Thawte Premium Server CA-md5WithRSA](#)
- [Thawte Server CA-md5WithRSA](#)

## Thawte Personal Basic CA-md5WithRSA

=====

MD5 Fingerprint: E6:0B:D2:C9:CA:2D:88:DB:1A:71:0E:4B:78:EB:02:41

PEM Data:

-----BEGIN CERTIFICATE-----

```
MIIDITCCAoqgAwIBAgIBADANBgkqhkiG9w0BAQQFADCBzELMAkGA1UEBhMCWkEx
FTATBgNVBAGTDGFdlc3Rlcm4gQ2FwZTESMBAGA1UEBxMjQ2FwZSBUB3duMR0wGAYD
VQKQExFUaGF3dGUgQ29uc3VsdGluZzEoMCYGA1UECxMfQ2VydGlmaWNhdGlvbiBT
ZXJ2aWNlcyBEaXZpc2lvbWjEhMB8GA1UEAxMYVGhhZD3RIIFBlcnNvbWFsIEJhc2lj
IENBMSgwJgYJKoZIhvcNAQkBFHlwZXJzb25hbC1iYXNpY0B0aGF3dGUuY29tMB4X
DTk2MDEwMTAwMDAwMFoXDTIwMTIzMTIzNTk1OVowgcxGzAJBgNVBAYTAipBMRUw
```

```
EwYDVQIQIExwXZXXN0ZXJulENhcGUxEjAQBgNVBAcTCUNhcGUgVG93bjEaMBGGA1UE
ChMRVGHhd3RIIENvbnN1bHRpbmcxKDAmBgNVBAsTH0NlcnRpZmljYXRpb24gU2Vy
dmljZXMgRGI2aXNpb24xITAFBgNVBAMTGFRoYXd0ZSBQZXJzb25hbCBCYXNpYyBD
QTEoMCMYGCsqGSIb3DQEJARYZcGVyc29uYWwtYmFzaWNAdGhhd3RlLmNvbTcBnzAN
BkgqhkiG9w0BAQEFAAOBJQAwgYkCgYEAvLyTU23AUE+CFeZIIDWmWr5vQvoPR+53
dXLdjUmbllgeNTPK1GzaQuRdhciB5dqxFGTS+CN7zeVoQxN2jSQHReJl+A1OFdK
wPQlCok8RHtQfmGakOMj04gRRif1CwcOu93RfyAKiLIWCy4cgNrx454p7xS9CkT7
G1sY0b8jkyECAwEAAaMTMBEwDwYDVR0TAQH/BAUwAwEB/zANBgqhkiG9w0BAQQF
AAOBGQAt4plrsD16iddZopQBHyvdEktTwq1/qqcAXJFAVYVKOKqEcLnZgA+le1z7
c8a914pHXAPJLSeoF+CEhULcXpvGt7Jtu3Sv5D/Lp7ew4F2+eIMIINLbgQ95B21P
9DKVWIIBe94y1k049hJcBIDfBVu9FEuh3ym6O0GN92NWod8isQ==
-----END CERTIFICATE-----
```

Certificate Ingredients:

Data:

Version: 3 (0x2)

Serial Number: 0 (0x0)

Signature Algorithm: md5WithRSAEncryption

Issuer: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting, OU=Certification Services Division, CN=Thawte Personal Basic CA/Email=personal-basic@thawte.com

Validity

Not Before: Jan 1 00:00:00 1996 GMT

Not After : Dec 31 23:59:59 2020 GMT

Subject: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting, OU=Certification Services Division, CN=Thawte Personal Basic CA/Email=personal-basic@thawte.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

RSA Public Key: (1024 bit)

Modulus (1024 bit):

00:bc:bc:93:53:6d:c0:50:4f:82:15:e6:48:94:35:

a6:5a:be:6f:42:fa:0f:47:ee:77:75:72:dd:8d:49:

9b:96:57:a0:78:d4:ca:3f:51:b3:69:0b:91:76:17:  
 22:07:97:6a:c4:51:93:4b:e0:8d:ef:37:95:a1:0c:  
 4d:da:34:90:1d:17:89:97:e0:35:38:57:4a:c0:f4:  
 08:70:e9:3c:44:7b:50:7e:61:9a:90:e3:23:d3:88:  
 11:46:27:f5:0b:07:0e:bb:dd:d1:7f:20:0a:88:b9:  
 56:0b:2e:1c:80:da:f1:e3:9e:29:ef:14:bd:0a:44:  
 fb:1b:5b:18:d1:bf:23:93:21

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints: critical

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

2d:e2:99:6b:b0:3d:7a:89:d7:59:a2:94:01:1f:2b:dd:12:4b:  
 53:c2:ad:7f:aa:a7:00:5c:91:40:57:25:4a:38:aa:84:70:b9:  
 d9:80:0f:a5:7b:5c:fb:73:c6:bd:d7:8a:61:5c:03:e3:2d:27:  
 a8:17:e0:84:85:42:dc:5e:9b:c6:b7:b2:6d:bb:74:af:e4:3f:  
 cb:a7:b7:b0:e0:5d:be:78:83:25:94:d2:db:81:0f:79:07:6d:  
 4f:f4:39:15:5a:52:01:7b:de:32:d6:4d:38:f6:12:5c:06:50:  
 df:05:5b:bd:14:4b:a1:df:29:ba:3b:41:8d:f7:63:56:a1:df:  
 22:b1

## Thawte Personal Freemail CA-md5WithRSA

=====

MD5 Fingerprint: 1E:74:C3:86:3C:0C:35:C5:3E:C2:7F:EF:3C:AA:3C:D9

PEM Data:

-----BEGIN CERTIFICATE-----

MIIDLTCcApagAwIBAgIBADANBgkqhkiG9w0BAQQFADCB0TElMAkGA1UEBhMCWkEx  
 FTATBgNVBAGTDfDlc3Rlcm4gQ2FwZTESMBAGA1UEBxMJQ2FwZSBUb3duMR0wGAYD  
 VQKExFUaGF3dGUgQ29uc3VsdGluZzEoMCYGA1UECxMfQ2VydGlmaWNhdGlubiBT

ZXJ2aWNlcyBEaXZpc2lvdjEkmCIGA1UEAxMbvGhhd3RlIFBlcnNvbmcFslEzYzZWVt  
 YWlsIENBMSswKQYJKoZIhvcNAQkBFhwwZXJzb25hbC1mcmVlbWVpEBoaGF3dGUu  
 Y29tMB4XDk2MDEwMTAwMDAwMFoXDTEwMTIzMTIzNTk1OVowgdExCzAJBgNVBAYT  
 AlpBMRUwEwYDVQQIEwxxZXN0ZXJlIENhcGUxEjAQBgNVBAcTCUNhcGUgVG93bjEa  
 MBGGA1UEChMRVGVhd3RlIENvbnN1bHRpbmcxKDAmbGVBAsTH0NlcnRpZmljYXRp  
 b24gU2VydmljZXMGRI2aXNpb24xJDAiBgNVBAMTG1RoYXd0ZSBQZXJzb25hbCBG  
 cmVlbWVpEBoaQDQTErMCKGCSqGSIb3DQEJARYccGVyc29uYWwtZnJlZW1haWxAdGhh  
 d3RlImNvbTCBnzANBgkqhkiG9w0BAQEFAAOBjQAwgYkCgYEA1GnX1LCUZftx6UfY  
 DFG26nKRslRefSONj3sS34UldSh0OkIsYeflXtL734Zhx2G6qPduc6WZBrCFG5E  
 rHzmj+hND3EfQDimAKOHePb5lIZererAXnbr2RSjXW56fAylS1V/Bhkp56aJtVq  
 uzgkCGqYx7Hao5iR/Xnb5VrEHLkCAwEAAaMTMBEwDwYDVR0TAQH/BAUwAwEB/zAN  
 BgkqhkiG9w0BAQQFAAOBQDHD7JJ+TvjlqVnYiqk8E0RYNBvjWBYawmu1l1XAjP  
 MPuoSpaKH2JCI4wXD/S6ZJwXrEcp352YXtJsYHFcoqzceePnbgBHH7UNKOgCneSa  
 /RPOptl8sfjcXyMmCZGAc9AUG95DqYMI8uacLxXK/qarigd1iwzdUYRr5PjRznei  
 gQ==

-----END CERTIFICATE-----

Certificate Ingredients:

Data:

Version: 3 (0x2)

Serial Number: 0 (0x0)

Signature Algorithm: md5WithRSAEncryption

Issuer: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting, OU=Certification Services Division, CN=Thawte Personal Freemail CA/Email=personal-freemail@thawte.com

Validity

Not Before: Jan 1 00:00:00 1996 GMT

Not After : Dec 31 23:59:59 2020 GMT

Subject: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting, OU=Certification Services Division, CN=Thawte Personal Freemail CA/Email=personal-freemail@thawte.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

## RSA Public Key: (1024 bit)

Modulus (1024 bit):

00:d4:69:d7:d4:b0:94:64:5b:71:e9:47:d8:0c:51:  
b6:ea:72:91:b0:84:5e:7d:2d:0d:8f:7b:12:df:85:  
25:75:28:74:3a:42:2c:63:27:9f:95:7b:4b:ef:7e:  
19:87:1d:86:ea:a3:dd:b9:ce:96:64:1a:c2:14:6e:  
44:ac:7c:e6:8f:e8:4d:0f:71:1f:40:38:a6:00:a3:  
87:78:f6:f9:94:86:5e:ad:ea:c0:5e:76:eb:d9:14:  
a3:5d:6e:7a:7c:0c:a5:4b:55:7f:06:19:29:7f:9e:  
9a:26:d5:6a:bb:38:24:08:6a:98:c7:b1:da:a3:98:  
91:fd:79:db:e5:5a:c4:1c:b9

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints: critical

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

c7:ec:92:7e:4e:f8:f5:96:a5:67:62:2a:a4:f0:4d:11:60:d0:  
6f:8d:60:58:61:ac:26:bb:52:35:5c:08:cf:30:fb:a8:4a:96:  
8a:1f:62:42:23:8c:17:0f:f4:ba:64:9c:17:ac:47:29:df:9d:  
98:5e:d2:6c:60:71:5c:a2:ac:dc:79:e3:e7:6e:00:47:1f:b5:  
0d:28:e8:02:9d:e4:9a:fd:13:f4:a6:d9:7c:b1:f8:dc:5f:23:  
26:09:91:80:73:d0:14:1b:de:43:a9:83:25:f2:e6:9c:2f:15:  
ca:fe:a6:ab:8a:07:75:8b:0c:dd:51:84:6b:e4:f8:d1:ce:77:  
a2:81

## Thawte Personal Premium CA-md5WithRSA

=====

MD5 Fingerprint: 3A:B2:DE:22:9A:20:93:49:F9:ED:C8:D2:8A:E7:68:0D

PEM Data:



-----BEGIN CERTIFICATE-----

MIIDKCCApKgAwIBAgIBADANBgkqhkiG9w0BAQQFADCzELMAkGA1UEBhMCWkEx  
FTATBgNVBAGTDFdlc3Rlcm4gQ2FwZTESMBAGA1UEBxMJQ2FwZSBUb3duMRRowGAYD  
VQKExFUaGF3dGUgQ29uc3VsdGluZzEoMCYGA1UECXMfQ2VydGlmaWNhdGlvbIbT  
ZXJ2aWNlcyBEaXZpc2lvbEjMCEGA1UEAxMaVGhhd3RlIFBlcnNvbWFsIFByZW1p  
dW0gQ0ExKjAoBgkqhkiG9w0BCQEWG3BlcnNvbWFsLXBvZW1pdW1AdGhhd3RlLmNv  
bTAeFw05NjAxMDEwMDAwMDBaFw0yMDEyMzEyMzU5NTlaMIIHMQswCQYDVQQLQwJa  
QTEVMBMGA1UECBMMV2VzdGVybiBDYXBIMRlwEAYDVQQHEwIDYXBIIFRvd24xGjAY  
BgNVBAoTEVRoYXZ0ZSBDd25zdWx0aW5nMSgwJgYDVQLEx9DZXJ0aWZpY2F0aW9u  
IFNlcnZpY2VzIERpdmlzaW9uMSMwIQYDVQQDEExpUaGF3dGUgUGVyc29uYWwgUHJl  
bWl1bSBDbTEqMCgGCSGSIb3DQEJARYbcGVyc29uYWwtdHJlbnV1bUB0aGF3dGUu  
Y29tMIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQDJZtn4B0TPuYwu8KHvE0Vs  
Bd/eJxZRNkERbGw77f4QfRKe5ZtCmv5gMcNmt3M6SK500Dl3Ili1DbbZ8/JE2dWI  
Et12Tfla/G8jHnr2JhFTgcQ7xZCOEN1bUre4qrJMf8fAHB8Zs8QJQi6+u4A6UYD  
ZicRFTuqW/KY3TZCstqlQIDAQABoxMwETAPBgNVHRMBAf8EBTADAQH/MA0GCSqG  
SIb3DQEBAQUAA4GBAGk2ifc0KjNyL2071CKyuG+axTZmDhs8obF1Wub9NdP4qPIH  
b4Vnjt4rueIXsDqg8A6iAJrf8xQVbrvlhVqYgPn/vnQdPfP+MCXRnzRn+qvxeTBh  
KXLA4CxM+1bkOqhv5TJZUtt1KFBZDPgLGeSs2a+Wjs9Q2wfd6h+rM+D1KzGJ

-----END CERTIFICATE-----

Certificate Ingredients:

Data:

Version: 3 (0x2)

Serial Number: 0 (0x0)

Signature Algorithm: md5WithRSAEncryption

Issuer: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting, OU=Certification Services Division, CN=Thawte Personal Premium CA/Email=personal-premium@thawte.com

Validity

Not Before: Jan 1 00:00:00 1996 GMT

Not After : Dec 31 23:59:59 2020 GMT

Subject: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting, OU=Certification Services Division, CN=Thawte Personal Premium CA/Email=personal-premium@thawte.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

RSA Public Key: (1024 bit)

Modulus (1024 bit):

00:c9:66:d9:f8:07:44:cf:b9:8c:2e:f0:a1:ef:13:  
45:6c:05:df:de:27:16:51:36:41:11:6c:6c:3b:ed:  
fe:10:7d:12:9e:e5:9b:42:9a:fe:60:31:c3:66:b7:  
73:3a:48:ae:4e:d0:32:37:94:88:b5:0d:b6:d9:f3:  
f2:44:d9:d5:88:12:dd:76:4d:f2:1a:fc:6f:23:1e:  
7a:f1:d8:98:45:4e:07:10:ef:16:42:d0:43:75:6d:  
4a:de:e2:aa:c9:31:ff:1f:00:70:7c:66:cf:10:25:  
08:ba:fa:ee:00:e9:46:03:66:27:11:15:3b:aa:5b:  
f2:98:dd:36:42:b2:da:88:75

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints: critical

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

69:36:89:f7:34:2a:33:72:2f:6d:3b:d4:22:b2:b8:6f:9a:c5:  
36:66:0e:1b:3c:a1:b1:75:5a:e6:fd:35:d3:f8:a8:f2:07:6f:  
85:67:8e:de:2b:b9:e2:17:b0:3a:a0:f0:0e:a2:00:9a:df:f3:  
14:15:6e:bb:c8:85:5a:98:80:f9:ff:be:74:1d:3d:f3:fe:30:  
25:d1:37:34:67:fa:a5:71:79:30:61:29:72:c0:e0:2c:4c:fb:  
56:e4:3a:a8:6f:e5:32:59:52:db:75:28:50:59:0c:f8:0b:19:  
e4:ac:d9:af:96:8d:2f:50:db:07:c3:ea:1f:ab:33:e0:f5:2b:  
31:89

# Thawte Premium Server CA-md5WithRSA

=====

MD5 Fingerprint: 06:9F:69:79:16:66:90:02:1B:8C:8C:A2:C3:07:6F:3A

PEM Data:

-----BEGIN CERTIFICATE-----

```

MIIDJzCCApCgAwIBAgIBATANBgkqhkiG9w0BAQQFADCBzjELMAkGA1UEBhMCWkEx
FTATBgNVBAGTDfDlc3Rlcm4gQ2FwZTESMBAGA1UEBxMJQ2FwZSBUb3duMR0wGwYD
VQQKEXRUA GF3dGUgQ29uc3VsdGluZyBjYzEoMCMYGA1UECXMfQ2VydGlmaWNhdGlv
biBTZXJ2aWNlcyBEaXZpc2lvdjEhMB8GA1UEAxMYVGVhhd3RIIFByZW1pdW0gU2Vy
dmVylENBMSGwJgYJKoZIhvcNAQkBFHlwcmVtaXVtLXNlcnZlckB0aGF3dGUuY29t
MB4XDk2MDgwMTAwMDAwMFoXDTEwMTIzMTIzNTk1OVowgc4xCzAJBgNVBAYTAipB
MRUwEwYDVQQIEwxxZXN0ZXJlENhcGUxEjAQBgNVBACTCUNhcGUgVG93bjEdMBsG
A1UEChMUUVGhhd3RIENvbnN1bHRpbmcmY2MxKDAmbGVBAsTH0NlcnRpZmljYXRp
b24gU2VydmljZXMGRI2aXNpb24xITAFBgNVBAMTGFROYXd0ZSBQcmVtaXVtIFNI
cnZlciBDQTEoMCMYGCsqGSib3DQJEJARYZcHJlbWl1bS1zZXJ2ZXJAdGhhd3RlMnV
bTCBnzANBgkqhkiG9w0BAQEFAAOBjQAwgYkCgYEA0jY2aovXwlue2oFBYo847kkE
VdbQ7xwblRZH7xhINTps9CtqBo87L+pW46+GjZ4X9560ZXUCTe/LCaIhUdib0GfQ
ug2SBhRz1JPLlyoAnFxDLz6FVL88kRu2hFKbgifLy3j+ao6hnO2RINYyIkFvYMR
uHM/qgeN9EJN50CdHDCaWEEAaMTMBEwDwYDVROTAQH/BAUwAwEB/zANBgkqhkiG
9w0BAQQFAAOBgQAmSCwWwlj66BZ0DKqqX1Q/8tfJeGBeXm43YyJ3Nn6yF8Q0ufUI
hfzJATj/Tb7yFkJD57taRvvBxhEf8UqwKEbJw8RCfbz6q1lu1bdRiBHjpIUZa4JM
pAwSremkrj/xw0llmozFyD4lt5SZu5IycQfwhl7tUCemDaYj+bvLpgcUQg==

```

-----END CERTIFICATE-----

Certificate Ingredients:

Data:

Version: 3 (0x2)

Serial Number: 1 (0x1)

Signature Algorithm: md5WithRSAEncryption

Issuer: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting cc, OU=Certification Services Division, CN=Thawte Premium Server CA/Email=premium-server@thawte.com

---

**Validity**

Not Before: Aug 1 00:00:00 1996 GMT

Not After : Dec 31 23:59:59 2020 GMT

Subject: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting cc, OU=Certification Services Division, CN=Thawte Premium Server CA/Email=premium-server@thawte.com

**Subject Public Key Info:**

Public Key Algorithm: rsaEncryption

RSA Public Key: (1024 bit)

Modulus (1024 bit):

00:d2:36:36:6a:8b:d7:c2:5b:9e:da:81:41:62:8f:  
38:ee:49:04:55:d6:d0:ef:1c:1b:95:16:47:ef:18:  
48:35:3a:52:f4:2b:6a:06:8f:3b:2f:ea:56:e3:af:  
86:8d:9e:17:f7:9e:b4:65:75:02:4d:ef:cb:09:a2:  
21:51:d8:9b:d0:67:d0:ba:0d:92:06:14:73:d4:93:  
cb:97:2a:00:9c:5c:4e:0c:bc:fa:15:52:fc:f2:44:  
6e:da:11:4a:6e:08:9f:2f:2d:e3:f9:aa:3a:86:73:  
b6:46:53:58:c8:89:05:bd:83:11:b8:73:3f:aa:07:  
8d:f4:42:4d:e7:40:9d:1c:37

Exponent: 65537 (0x10001)

**X509v3 extensions:**

X509v3 Basic Constraints: critical

CA:TRUE

**Signature Algorithm: md5WithRSAEncryption**

26:48:2c:16:c2:58:fa:e8:16:74:0c:aa:aa:5f:54:3f:f2:d7:  
c9:78:60:5e:5e:6e:37:63:22:77:36:7e:b2:17:c4:34:b9:f5:  
08:85:fc:c9:01:38:ff:4d:be:f2:16:42:43:e7:bb:5a:46:fb:  
c1:c6:11:1f:f1:4a:b0:28:46:c9:c3:c4:42:7d:bc:fa:ab:59:  
6e:d5:b7:51:88:11:e3:a4:85:19:6b:82:4c:a4:0c:12:ad:e9:  
a4:ae:3f:f1:c3:49:65:9a:8c:c5:c8:3e:25:b7:94:99:bb:92:

32:71:07:f0:86:5e:ed:50:27:a6:0d:a6:23:f9:bb:cb:a6:07:

14:42

## Thawte Server CA-md5WithRSA

=====

MD5 Fingerprint: C5:70:C4:A2:ED:53:78:0C:C8:10:53:81:64:CB:D0:1D

PEM Data:

-----BEGIN CERTIFICATE-----

```

MIIDEzCCAnygAwIBAgIBATANBgkqhkiG9w0BAQQFADCBxDLMAkGA1UEBhMCWkEx
FTATBgNVBAGTDFdlc3Rlcm4gQ2FwZTESMBAGA1UEBxMJQ2FwZSBUb3duMR0wGwYD
VQKExRUaGF3dGUgQ29uc3VsdGluZyBjYzEoMCMYGA1UECXMfQ2VydGlmaWNhdGlv
biBTZXJ2aWNlcyBEaXZpc2lvbjEZMBCGA1UEAxMQVGVhd3RlIFNlcnZlciBDQTE
MCQGCSqGSIsb3DQEJARYXc2VydmlvLWNLcnRzQHRoYXd0ZS5jb20wHhcNOTYwODAx
MDAwMDAwWhcNMjAxMjMjMjM1OTU5WjCBxDLMAkGA1UEBhMCWkExFTATBgNVBAGT
DFdlc3Rlcm4gQ2FwZTESMBAGA1UEBxMJQ2FwZSBUb3duMR0wGwYDVQKExRUaGF3
dGUgQ29uc3VsdGluZyBjYzEoMCMYGA1UECXMfQ2VydGlmaWNhdGlvbiBTZXJ2aWNl
cyBEaXZpc2lvbjEZMBCGA1UEAxMQVGVhd3RlIFNlcnZlciBDQTE
MCQGCSqGSIsb3DQEJARYXc2VydmlvLWNLcnRzQHRoYXd0ZS5jb20wZGZ8wDQYJKoZIhvcNAQEBBQAD
gY0AMIGJAoGBANOkUG7I/1Zr5s9dtuoMaHVHoqrC2oQl/Kj0R1HahbUgdJSGHg91
yekIYfUGbTBuFRkC6VLAYttNmZ7iagxEOM3+vuNkCXDF/rFrKbYvScg71CcEJRCX
L+eQbcAoQpnXTEPew/UhbVSfXcNY4cDk2VuwuNy0e9820sK1ZiS1ocNAGMBAAGj
EzARMA8GA1UdEwEB/wQFMAMBAf8wDQYJKoZIhvcNAQEEBQADgYEAB/pMaVz7lcxG
7oWDTSEwjsrZqG9JGubaUeNgcGyEYRGhGshIPIldfU+VPaGLtwtimHp1it2ITk6e
QNuoZDJ0uW8NxuOzRAvZim+aKZuZGCg70eNAKJpaPNW15yAbi8qkq43pUdniTCxZ
qdq5snUb9kLy78fyGPMjvKP/iiMucEc=

```

-----END CERTIFICATE-----

Certificate Ingredients:

Data:

Version: 3 (0x2)

Serial Number: 1 (0x1)

Signature Algorithm: md5WithRSAEncryption

Issuer: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting cc, OU=Certification Services Division, CN=Thawte Server CA/Email=server-certs@thawte.com

Validity

Not Before: Aug 1 00:00:00 1996 GMT

Not After : Dec 31 23:59:59 2020 GMT

Subject: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting cc, OU=Certification Services Division, CN=Thawte Server CA/Email=server-certs@thawte.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

RSA Public Key: (1024 bit)

Modulus (1024 bit):

00:d3:a4:50:6e:c8:ff:56:6b:e6:cf:5d:b6:ea:0c:  
68:75:47:a2:aa:c2:da:84:25:fc:a8:f4:47:51:da:  
85:b5:20:74:94:86:1e:0f:75:c9:e9:08:61:f5:06:  
6d:30:6e:15:19:02:e9:52:c0:62:db:4d:99:9e:e2:  
6a:0c:44:38:cd:fe:be:e3:64:09:70:c5:fe:b1:6b:  
29:b6:2f:49:c8:3b:d4:27:04:25:10:97:2f:e7:90:  
6d:c0:28:42:99:d7:4c:43:de:c3:f5:21:6d:54:9f:  
5d:c3:58:e1:c0:e4:d9:5b:b0:b8:dc:b4:7b:df:36:  
3a:c2:b5:66:22:12:d6:87:0d

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints: critical

CA:TRUE

Signature Algorithm: md5WithRSAEncryption

07:fa:4c:69:5c:fb:95:cc:46:ee:85:83:4d:21:30:8e:ca:d9:  
a8:6f:49:1a:e6:da:51:e3:60:70:6c:84:61:11:a1:1a:c8:48:  
3e:59:43:7d:4f:95:3d:a1:8b:b7:0b:62:98:7a:75:8a:dd:88:

4e:4e:9e:40:db:a8:cc:32:74:b9:6f:0d:c6:e3:b3:44:0b:d9:  
8a:6f:9a:29:9b:99:18:28:3b:d1:e3:40:28:9a:5a:3c:d5:b5:  
e7:20:1b:8b:ca:a4:ab:8d:e9:51:d9:e2:4c:2c:59:a9:da:b9:  
b2:75:1b:f6:42:f2:ef:c7:f2:18:f9:89:bc:a3:ff:8a:23:2e:  
70:47

# Supported Thawte SHA1 Based Root Certificates

- [Thawte Personal Basic CA-sha1WithRSA](#)
- [Thawte Personal Freemail CA-sha1WithRSA](#)
- [Thawte Personal Premium CA-sha1WithRSA](#)
- [Thawte Premium Server CA-sha1WithRSA](#)
- [Thawte Server CA-sha1WithRSA](#)

## Thawte Personal Basic CA-sha1WithRSA

=====

Certificate:

Data:

Version: 3 (0x2)

Serial Number:

0d:8e:15:12:e1:ac:bb:77:8d:38:e3:24:df:8c:30:f2

Signature Algorithm: sha1WithRSAEncryption

Issuer: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting, OU=Certification Services Division, CN=Thawte Personal Basic CA/emailAddress=personal-basic@thawte.com

Validity

Not Before: Jan 1 00:00:00 1996 GMT

Not After : Jan 1 23:59:59 2021 GMT

Subject: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting, OU=Certification Services Division, CN=Thawte Personal Basic CA/emailAddress=personal-basic@thawte.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

RSA Public Key: (1024 bit)

Modulus (1024 bit):

00:bc:bc:93:53:6d:c0:50:4f:82:15:e6:48:94:35:

a6:5a:be:6f:42:fa:0f:47:ee:77:75:72:dd:8d:49:

9b:96:57:a0:78:d4:ca:3f:51:b3:69:0b:91:76:17:

22:07:97:6a:c4:51:93:4b:e0:8d:ef:37:95:a1:0c:



4d:da:34:90:1d:17:89:97:e0:35:38:57:4a:c0:f4:  
08:70:e9:3c:44:7b:50:7e:61:9a:90:e3:23:d3:88:  
11:46:27:f5:0b:07:0e:bb:dd:d1:7f:20:0a:88:b9:  
56:0b:2e:1c:80:da:f1:e3:9e:29:ef:14:bd:0a:44:  
fb:1b:5b:18:d1:bf:23:93:21

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints: critical

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

88:3b:fe:b8:f9:7a:42:46:11:a0:a4:a2:64:85:cd:48:1c:9c:  
d5:8a:51:cd:2f:c1:7d:b1:07:cf:d7:01:de:32:3f:96:e4:84:  
fe:d1:5e:ad:0c:7e:0e:63:49:6a:0e:10:e4:97:d0:3f:c5:a7:  
29:d9:a6:53:1e:4b:1e:3f:54:fa:c0:84:35:73:ea:91:a9:dc:  
5d:93:57:05:06:0c:07:b9:af:0b:44:39:88:21:a0:ee:82:73:  
a9:46:2f:69:6c:25:74:a9:cd:df:a7:d7:fd:85:30:04:94:35:  
4a:a7:1b:33:24:2c:44:16:ed:0a:c4:df:80:aa:65:1a:bf:71:  
26:f0

-----BEGIN CERTIFICATE-----

MIIDMDCCApmgAwIBAgIQDY4VEuGsu3eNOOMk34ww8jANBgkqhkiG9w0BAQUFADCB  
yzELMAkGA1UEBhMCWkExFTATBgNVBAgTDfDlc3Rlcm4gQ2FwZTESMBAGA1UEBxMJ  
Q2FwZSBUb3duMR0wGAYDVQQKEwFuGF3dGUgQ29uc3VsdGluZzEoMCMYGA1UECzMf  
Q2VydGlmYWVhdGlvbiBTZXJ2aWNlcyBEaXZpc2lvbjEhMB8GA1UEAxMYVGVhd3RI  
IFBlcnNvbmljaEJhc2JlJENBMSgwJgYJKoZIhvcNAQkBFHlwZXJzb25hbC1iYXNp  
Y0B0aGF3dGUuY29tMB4XDTE2MDEwMTAwMDAwMFoXDTE2MDEwMTIzNTk1OVowgc3x  
CzAJBgNVBAYTAlpBMRUwEwYDVQQQEwXZlENhcGUxZjEjAQBgNVBAcTUNh  
cGUgVGV3b3duMR0wGAYDVQhhd3RIENvbnN1bHRpbmcxKDAmbGVBAsTH0NI  
cnRpZmljYXRpb24gU2VydmljZXMGbGJ2aXNpb24xITAfBgNVBAMTGFRoYXd0ZSBQ  
ZXJzb25hbC1iYXNpYyY29uMCMYGCsqGSIb3DQEJARYZcGVyc29uYWwtYmFzaWNA

```

dGhhd3RlLmNvbTCBnzANBkgqhkIG9w0BAQEFAAOBjQAwgYkCgYEAuLyTU23AUE+C
FeZIIDWmWr5vQvoPR+53dXLdjUmblllegeNTP1GzaQuRdhciB5dqxFGTS+CN7zeV
oQxN2jSQHReJl+A1OFdKwPQlcOk8RHtQfmGakOMj04gRRif1CwcOu93RfyAKiLIW
Cy4cgNrx454p7xS9CkT7G1sY0b8jkyECAwEAAaMTMBEwDwYDVR0TAQH/BAUwAwEB
/zANBkgqhkIG9w0BAQUFAAOBgQCIO/64+XpCRhGgpKJkhc1IHJzVilHNL8F9sQfP
1wHeMj+W5IT+0V6tDH4OY0lqDhDkl9A/xacp2aZTHkseP1T6wIQ1c+qRqdxdk1cF
BgwHua8LRDmllaDugnOpRi9pbCV0qc3fp9f9hTAEIDVKpxszJCxEFu0KxN+AqmUa
v3Em8A==
-----END CERTIFICATE-----

```

## Thawte Personal Freemail CA-sha1WithRSA

=====

Certificate:

Data:

Version: 3 (0x2)

Serial Number:

12:3d:f0:e7:da:2a:22:47:a4:38:89:e0:8a:ee:c9:67

Signature Algorithm: sha1WithRSAEncryption

Issuer: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting, OU=Certification Services Division, CN=Thawte Personal Freemail CA/emailAddress=personal-freemail@thawte.com

Validity

Not Before: Jan 1 00:00:00 1996 GMT

Not After : Jan 1 23:59:59 2021 GMT

Subject: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting, OU=Certification Services Division, CN=Thawte Personal Freemail CA/emailAddress=personal-freemail@thawte.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

RSA Public Key: (1024 bit)

Modulus (1024 bit):

00:d4:69:d7:d4:b0:94:64:5b:71:e9:47:d8:0c:51:  
 b6:ea:72:91:b0:84:5e:7d:2d:0d:8f:7b:12:df:85:  
 25:75:28:74:3a:42:2c:63:27:9f:95:7b:4b:ef:7e:  
 19:87:1d:86:ea:a3:dd:b9:ce:96:64:1a:c2:14:6e:  
 44:ac:7c:e6:8f:e8:4d:0f:71:1f:40:38:a6:00:a3:  
 87:78:f6:f9:94:86:5e:ad:ea:c0:5e:76:eb:d9:14:  
 a3:5d:6e:7a:7c:0c:a5:4b:55:7f:06:19:29:7f:9e:  
 9a:26:d5:6a:bb:38:24:08:6a:98:c7:b1:da:a3:98:  
 91:fd:79:db:e5:5a:c4:1c:b9

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints: critical

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

1e:98:60:d4:e5:f2:54:60:b0:3d:1a:81:64:47:f7:5b:a3:d9:  
 6f:c3:29:0b:a7:d2:a9:81:49:f6:c3:6d:85:14:28:45:44:01:  
 f4:71:5c:95:2e:14:0f:1a:2b:d1:a9:6b:c1:5f:67:3d:16:f1:  
 72:20:af:be:16:ca:0e:30:5f:c9:cb:a5:93:2c:c3:67:54:1e:  
 72:22:8a:23:76:6c:94:1d:51:52:6c:9d:c4:e0:47:02:d7:cc:  
 bf:f0:80:7b:18:6e:25:dc:62:61:d6:a6:fe:c1:1d:7f:d9:b3:  
 fd:8d:5c:45:10:5a:c6:65:64:9a:eb:2c:f5:03:4f:d6:48:62:  
 fb:2e

-----BEGIN CERTIFICATE-----

MIIDPDCCAqWgAwIBAgIQEj3w59oqlkekOIngiu7JZzANBgkqhkiG9w0BAQUFADCB  
 0TElMAkGA1UEBhMCWkExFTATBgNVBAGTDFdlc3Rlcm4gQ2FwZTESMBAGA1UEBxMJ  
 Q2FwZSBUB3duMR0wGAYDVQQKExFUaGF3dGUgQ29uc3VsdGluZzEoMCMYGA1UECzMf  
 Q2VydGlmaWNhdGlvbiBTZXJ2aWNlcyBEaXZpc2lvb2JkMCIGA1UEAxMbvGhhd3RI  
 IFBlcnNvb2F0aGF3dGUuY29tMB4XDTEwMTAwMDAwMFoXDTEwMTAwMDAwMTIzNTk1  
 cmVlbWVpY29tMB4XDTEwMTAwMDAwMFoXDTEwMTAwMDAwMTIzNTk1

OVowgdExCzAJBgNVBAYTAIpBMRUwEwYDVQQIEwxXZXR0ZXJlENhcGUxEjAQBgNV  
 BAACUNhcGUgV93bjEaMBGGA1UEChMRVGVhd3RlIENvbnN1bHRpbmcxKDAmBgNV  
 BAsTH0NlcnRpZmljYXRpb24gU2VydmljZXMgRGI2aXNpb24xJDAiBgNVBAMTG1Ro  
 YXd0ZSBQZXJzb25hbCBGcmVlbWFpbCBDQTErMCKGCSqGSIb3DQEJARYccGVyc29u  
 YWwtZnJlZW1haWxAdGhhd3RlLmNvbTcBnzANBgkqhkiG9w0BAQEFAAOBjQAwgYkC  
 gYEA1GnX1LCUZFTx6UfYDFG26nKRslRefs0Nj3sS34UldSh0OkIsYyeflXtL734Z  
 hx2G6qPduc6WZBrCFG5ErHzmj+hND3EfQDimAKOHePb5IIZererAXnbr2RSjXW56  
 fAylS1V/Bhkpf56ajtVquzkgCGqYx7Hao5iR/Xnb5VrEHLkCAwEAAaMTMBEwDwYD  
 VR0TAQH/BAUwAwEB/zANBgkqhkiG9w0BAQUFAAOBgQAemGDU5fJUyLA9GoFkr/db  
 o9lwvykLp9KpgUn2w22FFChFRAH0cVyVlHQPgIvRqWvBX2c9FvFyIK++FsoOMF/J  
 y6WTLMNnVB5yloojdmyUHVFSbJ3E4EcC18y/8IB7GG4l3GJh1qb+wR1/2bP9jVxF  
 EFrGZWSa6yz1A0/WSGL7Lg==  
 -----END CERTIFICATE-----

## Thawte Personal Premium CA-sha1WithRSA

=====

Certificate:

Data:

Version: 3 (0x2)

Serial Number:

40:05:b2:53:a0:1a:46:43:50:09:81:8f:12:10:76:ec

Signature Algorithm: sha1WithRSAEncryption

Issuer: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting, OU=Certification Services  
 Division, CN=Thawte Personal Premium CA/emailAddress=personal-premium@thawte.com

Validity

Not Before: Jan 1 00:00:00 1996 GMT

Not After : Jan 1 23:59:59 2021 GMT

Subject: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting, OU=Certification Services  
 Division, CN=Thawte Personal Premium CA/emailAddress=personal-premium@thawte.com

## Subject Public Key Info:

Public Key Algorithm: rsaEncryption

RSA Public Key: (1024 bit)

Modulus (1024 bit):

00:c9:66:d9:f8:07:44:cf:b9:8c:2e:f0:a1:ef:13:  
45:6c:05:df:de:27:16:51:36:41:11:6c:6c:3b:ed:  
fe:10:7d:12:9e:e5:9b:42:9a:fe:60:31:c3:66:b7:  
73:3a:48:ae:4e:d0:32:37:94:88:b5:0d:b6:d9:f3:  
f2:44:d9:d5:88:12:dd:76:4d:f2:1a:fc:6f:23:1e:  
7a:f1:d8:98:45:4e:07:10:ef:16:42:d0:43:75:6d:  
4a:de:e2:aa:c9:31:ff:1f:00:70:7c:66:cf:10:25:  
08:ba:fa:ee:00:e9:46:03:66:27:11:15:3b:aa:5b:  
f2:98:dd:36:42:b2:da:88:75

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints: critical

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

ba:64:0a:e8:f3:b4:31:c9:27:6f:a2:76:a0:2d:36:71:c7:86:  
c0:08:c2:4e:ed:da:9a:24:19:87:fc:5a:23:9c:72:4d:08:df:  
ad:5c:c3:3b:24:81:1d:57:8f:b6:12:a5:22:03:ef:12:bd:d1:  
2d:5e:96:8f:26:26:4f:4b:1b:7c:3b:a0:52:1a:a5:a8:37:86:  
c4:47:2a:ca:dd:41:f8:68:f5:c2:13:41:29:9a:f0:0c:a8:cd:  
a1:fc:15:23:02:db:7a:2b:d4:62:51:42:47:c4:a3:1f:f4:d2:  
c5:4d:54:10:eb:da:f0:cc:a7:4f:37:0c:bd:3c:cb:10:e3:1a:  
e8:15

-----BEGIN CERTIFICATE-----

MIIDODCCAqGgAwIBAgIQQAWyU6AaRkNQCYGPEhB27DANBgkqhkiG9w0BAQUFADCB  
zzELMAkGA1UEBhMCWkExFTATBgNVBAGTDFdlc3Rlcm4gQ2FwZTESMBAGA1UEBxMJ

```

Q2FwZSBUb3duMRowGAYDVQKExFUaGF3dGUgQ29uc3VsdGluZzEoMCMYGA1UECXMf
Q2VydGhmaWNhdGlvbiBTXJ2aWNlcyBEaXZpc2lvbEjMCEGA1UEAxMaVGhhd3RI
IFBlcnNvbmFsIFByZW1pdW0gQ0ExKjAoBkgkqhkiG9w0BCQEWG3BlcnNvbmFsLXBy
ZW1pdW1AdGhhd3RlMnNvbTAeFw05NjAxMDEwMDAwMDBaFw0yMTAxMDEyMzU5NTla
MIHPMQswCQYDVQGEwJaQTEVMBMGA1UECBMMV2VzdGVybiBDYXBIMRIwEAYDVQQH
EwIDYXBIIFRvd24xGjAYBgNVBAoTEVRoYXZpZDZSBDb25zdWx0aW5nMSgwJgYDVQQL
Ex9DZXJ0aWZpY2F0aW9uIFNlcnZpY2VzIERpdmlzaW9uMSMwIQYDVQQDEExpUaGF3
dGUgUGVyc29uYWwgUHJlbWl1bSBDQTEqMCGCSqGSIb3DQEJARYbcGVyc29uYWwt
cHJlbWl1bUB0aGF3dGUuY29tMIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQDJ
Ztn4B0TPuYwu8KHvE0VsBd/eJxZRNkERbGw77f4QfRKe5ZtCmv5gMcNmt3M6SK5O
0DI3Ili1Dbbz8/JE2dWIEt12Tfla/G8jHnrX2JhFTgcQ7xZC0EN1bUre4qrJMf8f
AHB8Zs8QJQI6+u4A6UYDZicRFTuqW/KY3TZCstqldQIDAQABoxMwETAPBgNVHRMB
Af8EBTADAQH/MA0GCSqGSIb3DQEBBQUAA4GBALpkCujztDHJJ2+idqAtNnHHhsAI
wk7t2pokGYf8WiOcck0I361cwzskgR1Xj7YSpSID7xK90S1elo8mJk9LG3w7oFla
pag3hsRHksrdQfho9cITQsma8AyozaH8FSMC23or1GJRQkfEox/00sVNVBDr2vDM
p083DL08yxDjGugV
-----END CERTIFICATE-----

```

## Thawte Premium Server CA-sha1WithRSA

=====

Certificate:

Data:

Version: 3 (0x2)

Serial Number:

36:12:22:96:c5:e3:38:a5:20:a1:d2:5f:4c:d7:09:54

Signature Algorithm: sha1WithRSAEncryption

Issuer: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting cc, OU=Certification Services Division, CN=Thawte Premium Server CA/emailAddress=premium-server@thawte.com

Validity

Not Before: Aug 1 00:00:00 1996 GMT

Not After : Jan 1 23:59:59 2021 GMT

Subject: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting cc, OU=Certification Services Division, CN=Thawte Premium Server CA/emailAddress=premium-server@thawte.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

RSA Public Key: (1024 bit)

Modulus (1024 bit):

00:d2:36:36:6a:8b:d7:c2:5b:9e:da:81:41:62:8f:  
38:ee:49:04:55:d6:d0:ef:1c:1b:95:16:47:ef:18:  
48:35:3a:52:f4:2b:6a:06:8f:3b:2f:ea:56:e3:af:  
86:8d:9e:17:f7:9e:b4:65:75:02:4d:ef:cb:09:a2:  
21:51:d8:9b:d0:67:d0:ba:0d:92:06:14:73:d4:93:  
cb:97:2a:00:9c:5c:4e:0c:bc:fa:15:52:fc:f2:44:  
6e:da:11:4a:6e:08:9f:2f:2d:e3:f9:aa:3a:86:73:  
b6:46:53:58:c8:89:05:bd:83:11:b8:73:3f:aa:07:  
8d:f4:42:4d:e7:40:9d:1c:37

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints: critical

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

65:90:ac:88:0f:56:d9:e6:30:34:d4:26:c7:d0:50:f1:92:de:  
6b:d4:39:88:09:22:c6:a6:63:83:03:f7:99:77:d8:b2:e5:18:  
b8:5d:63:f3:d4:73:fb:6c:9c:99:78:f1:4b:78:7d:19:24:c3:  
2b:02:84:f8:bc:22:d9:8a:22:d7:a0:fc:71:ec:91:87:20:f1:  
b8:ec:b1:e5:55:80:ac:3d:52:c8:39:0e:c2:f0:c0:05:4f:d6:  
82:75:8c:bd:5f:d2:dc:76:9a:05:12:c9:af:72:c3:dc:25:7e:  
a4:4d:8e:17:a5:e0:87:7f:e1:9a:5a:e1:60:dc:64:23:3c:42:  
2e:4d

-----BEGIN CERTIFICATE-----

```

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CxMfQ2VydGlmYWVhdGlvbiBTZXJ2aWNlcyBEaXZpc2lvbjEhMB8GA1UEAxMYVGVhd
d3RIIFByZW1pdW0uU2VydmlvYlENBMSGwJgYJKoZIhvcNAQkBFhlcwVtaXVtLXNI
cnZlckB0aGF3dGUuY29tMB4XDTk2MDgwMTAwMDAwMFoXDTIxMDEwMTIzNTk1OVow
gc4xCzAJBgNVBAYTAjpBMRUwEwYDVQQIEwxxZXN0ZXJ1eENhcGUxEjAQBgNVBAcT
CUNhcGUgVG93bjEdMBsGA1UEChMUUVGVghhd3RIENvbnN1bHRpbmcgY2MxKDAmBgNV
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CSLGpmODA/eZd9iy5Ri4XWPz1HP7bJyZePFLeH0ZJMMrAoT4vCLZiiLXoPxx7JGH
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WuFg3GQjPEluTQ==

```

-----END CERTIFICATE-----

## Thawte Server CA-sha1WithRSA

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Certificate:

Data:

Version: 3 (0x2)

Serial Number:

34:a4:ff:f6:30:af:4c:a5:3c:33:17:42:a1:94:66:75

Signature Algorithm: sha1WithRSAEncryption



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Issuer: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting cc, OU=Certification Services Division, CN=Thawte Server CA/emailAddress=server-certs@thawte.com

Validity

Not Before: Aug 1 00:00:00 1996 GMT

Not After : Jan 1 23:59:59 2021 GMT

Subject: C=ZA, ST=Western Cape, L=Cape Town, O=Thawte Consulting cc, OU=Certification Services Division, CN=Thawte Server CA/emailAddress=server-certs@thawte.com

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

RSA Public Key: (1024 bit)

Modulus (1024 bit):

00:d3:a4:50:6e:c8:ff:56:6b:e6:cf:5d:b6:ea:0c:  
68:75:47:a2:aa:c2:da:84:25:fc:a8:f4:47:51:da:  
85:b5:20:74:94:86:1e:0f:75:c9:e9:08:61:f5:06:  
6d:30:6e:15:19:02:e9:52:c0:62:db:4d:99:9e:e2:  
6a:0c:44:38:cd:fe:be:e3:64:09:70:c5:fe:b1:6b:  
29:b6:2f:49:c8:3b:d4:27:04:25:10:97:2f:e7:90:  
6d:c0:28:42:99:d7:4c:43:de:c3:f5:21:6d:54:9f:  
5d:c3:58:e1:c0:e4:d9:5b:b0:b8:dc:b4:7b:df:36:  
3a:c2:b5:66:22:12:d6:87:0d

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Basic Constraints: critical

CA:TRUE

Signature Algorithm: sha1WithRSAEncryption

be:40:69:41:6f:c6:db:c1:a7:bf:07:c0:45:e4:d0:b5:43:1e:  
4c:95:33:35:e9:5e:c2:3e:28:f6:a8:0d:50:d5:ff:e2:0c:0f:  
fc:50:02:8e:ae:91:b9:ad:34:8a:8d:9f:27:71:aa:19:cc:4b:  
e8:04:ca:d4:17:6b:12:1a:d6:c6:5f:d6:cd:5e:ff:89:76:bf:  
d8:48:d8:59:bd:08:8a:89:1d:57:cd:45:1e:52:ba:12:9a:84:

fa:18:89:5f:e8:f9:30:35:6a:01:60:b9:99:80:83:85:0a:6e:

da:f4:c9:8f:5e:73:2d:31:4a:63:a0:74:f2:1f:8b:22:d2:29:

3e:eb

-----BEGIN CERTIFICATE-----

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-----END CERTIFICATE--