

# SecureAuth CA Public Certificates

## Introduction

These are the SecureAuth CA Public Certificates to use for the SecureAuth IdP appliance, workstations, VPN integrations, and more. Download the necessary certificates here to apply to the required configuration.

In June 2015, SecureAuth moved its cloud services from a SHA-1 environment to SHA2-512. SecureAuth IdP 8.1+ appliances have the appropriate SHA2 information configured out-of-the-box, and appliances pre-8.1 can utilize the [Appliance Certificate Renewal Utility \(ACRU\)](#) to update the Operating System (OS) to support the SHA2 infrastructure. For pre-8.1 appliances, SecureAuth strongly recommends that customers upgrade their appliances to utilize the SHA2 services as soon as possible ([more information](#)).

Customers that use the SecureAuth Personal Certificates for VPN or Gateway device authentication can now use the standard SHA2-512 ECDSA or SHA2-384 RSA personal certificates. Contact SecureAuth support for more information regarding configuration changes needed for SHA2-384 RSA personal certificates.

Be sure to update the CA Certificates with the SHA2 hashed SSL certificates on the required resources (VPN, workstation, etc.) before running **ACRU**

Read the [SecureAuth Corporation Certificate Policy Statement](#) for more information.

## Certificate Zip Bundle

### [Download Certificate Zip Bundle - G3Certs.zip](#)

This bundle contains all the certificates used with a Standard SecureAuth IdP installation

- SecureAuth G3 Root Certificate Authority.cer (SHA2-512 ECDSA Signature, ECDSA\_P521 Public Key)
- SecureAuth G3 Intermediate Certificate Authority 1A.cer (SHA2-512 ECDSA Signature, RSA 2048 Public Key)
- SecureAuth G3 Intermediate Certificate Authority 2A.cer (SHA2-512 ECDSA Signature, RSA 2048 Public Key)
- SecureAuth G3 Intermediate Certificate Authority 3A.cer (SHA2-512 ECDSA Signature, RSA 2048 Public Key)
- SecureAuth G3 Intermediate Certificate Authority 4A.cer (SHA2-512 ECDSA Signature, RSA 2048 Public Key)
- SecureAuth G3 Intermediate Certificate Authority 1B.cer (SHA2-512 ECDSA Signature, RSA 2048 Public Key)
- SecureAuth G3 Intermediate Certificate Authority 2B.cer (SHA2-512 ECDSA Signature, RSA 2048 Public Key)
- SecureAuth G3 Intermediate Certificate Authority 3B.cer (SHA2-512 ECDSA Signature, RSA 2048 Public Key)
- SecureAuth G3 Intermediate Certificate Authority 4B.cer (SHA2-512 ECDSA Signature, RSA 2048 Public Key)

### [Download Certificate Zip Bundle - G3Certs\\_2.zip](#)

This bundle contains certificates that are used when non-Elliptical Curve ECDSA personal certificates are needed

*These certificates are not part of the Standard SecureAuth IdP installation*

- SecureAuth G3 Root Certificate Authority 2.cer (SHA2-384 RSA Signature, RSA 4096 Public Key)
- SecureAuth G3 Intermediate Certificate Authority 5A.cer (SHA2-384 RSA Signature, RSA 2048 Public Key)
- SecureAuth G3 Intermediate Certificate Authority 6A.cer (SHA2-384 RSA Signature, RSA 2048 Public Key)
- SecureAuth G3 Intermediate Certificate Authority 5B.cer (SHA2-384 RSA Signature, RSA 2048 Public Key)
- SecureAuth G3 Intermediate Certificate Authority 6B.cer (SHA2-384 RSA Signature, RSA 2048 Public Key)

## Root Certificate Authority (CA) Certificates



**SecureAuth G3 Root Certificate Authority Certificate 2 BLOB**

```
-----BEGIN CERTIFICATE-----
MIIHpzCCBY+gAwIBAgIQOZ0/X4HHzL5N0hTp/UjWoJANBgkqhkiG9w0BAQwFADCB
7DELMaKGA1UEBHMVVMxezARBgNVBAgtCkNhbG1mb3JuaWEeXzANBgNVBAcTBkly
dmluZTEfMB0GA1UEChMWU2VjdXJlQXV0aCBB3Jwb3JhdGlvb3JfCMEBAGAlUECm5
KGMpIDiWMTcGU2VjdXJlQXV0aCBB3Jwb3JhdGlvbiAtIEZvciBhdXRob3JpemVk
IHVzZSBvbm5MR0wGwYDVQQLEXRDXJ0aWZpY2F0ZSBTZXJ2aWNlczEzMDQGA1UE
AxMqU2VjdXJlQXV0aCBBMYSb290IENlcnRpb24xMjYyYXRlZGhvcml0eSAYMB4X
DTE3MDIxNTAwMDYxM1oXDTE3MDIxNTAwMTMzMlowgexCzAJBgNVBAYTAlVTMRMw
EQYDVQQIEWpDYWxpZm9yYm1hMQ8wDQYDVQQHEWZJcnZpbmUxH2AdBgNVBAoTF1Nl
Y3VyZUF1dGggQ29ycG9yYXRpb24xMjYyYXRlZGhvcml0eSAYMDE3IFNlY3VyZUF1
dGggQ29ycG9yYXRpb24gLSBGb3IyYXV0aG9yaXplZCB1c2UgY25seTEdMBSGA1UE
CxMUQ2VydG1maWNhdGUGU2VydmljZXMxMzAxZG9yYXRpb24xMjYyYXRlZGggRzMg
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NhwGvXa7SIX/pUwcKR3gz/b9NWSvoATHXCFyJ01LkVcdi1YsXod3ZyValSu1Nha
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BcnTo+NUTXD21j4h1N+LbDwJek0oyCh5C12+oRuxRVuN/cwJR1C9rphoKcniBGsp
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dAYIKwYBBQUHAgIwaB5mAFMAZQBjAHUAcGBlAEEAdQB0AGgAIBADAG8AcgBwAG8A
cgBhAHQAaQBVAG4AIBADAGUAcGBlAEEAdQB0AGgAIBADAG8AcgBwAG8AIBADAG8A
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ZUF1dGggQ29ycG9yYXRpb24xMjYyYXRlZGhvcml0eSAYMDE3IFNlY3VyZUF1dGgg
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cm6AHGhzI5mJuIt8XJDCAjMiHpTgqLRdfrk//i00y2dhPOQgB5j23YDjatZnn88U
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Jk2uuiGgEMQKswK+otdugdWq0hV5F1jyPiEL6eKOnjEt8bOBB2CthJKDKjG7YzV
3JZBOLs6897F1g27C049uXqtULzS1U4c+Wzk3w/oZaSFm2AmTvtj3gnnz0jQRNZ
J00mOFNANXAIrCLGXYESQxZIGZQbgRchBFI11XXGFK7KiZUwfvPoe5Ka8w==
-----END CERTIFICATE-----
```

## Intermediate Certificate Authority (CA) Certificates

### SecureAuth G3 Intermediate Certificate Authority 1A: CRT File

**Full CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 1A.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%201A.crl)

**Delta CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 1A+.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%201A+.crl)

### SecureAuth G3 Intermediate Certificate Authority 2A: CRT File

**Full CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 2A.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%202A.crl)

**Delta CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 2A+.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%202A+.crl)

### SecureAuth G3 Intermediate Certificate Authority 3A: CRT File

**Full CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 3A.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%203A.crl)

**Delta CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 3A+.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%203A+.crl)

### SecureAuth G3 Intermediate Certificate Authority 4A: CRT File

**Full CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 4A.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%204A.crl)

**Delta CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 4A+.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%204A+.crl)

### SecureAuth G3 Intermediate Certificate Authority 1B: CRT File

**Full CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 1B.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%201B.crl)

**Delta CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 1B+.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%201B+.crl)

### SecureAuth G3 Intermediate Certificate Authority 2B: CRT File

**Full CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 2B.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%202B.crl)

**Delta CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 2B+.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%202B+.crl)

### SecureAuth G3 Intermediate Certificate Authority 3B: CRT File

**Full CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 3B.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%203B.crl)

**Delta CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 3B+.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%203B+.crl)

### SecureAuth G3 Intermediate Certificate Authority 4B: CRT File

**Full CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 4B.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%204B.crl)

**Delta CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 4B+.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%204B+.crl)

### SecureAuth G3 Intermediate Certificate Authority 5B: CRT File

**Full CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 5B.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%205B.crl)

**Delta CRL:** [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 5B+.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth%20G3%20Intermediate%20Certificate%20Authority%205B+.crl)

**SecureAuth G3 Intermediate Certificate Authority 6B: CRT File**

**Full CRL:** <http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 6B.crl>

**Delta CRL:** <http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Intermediate Certificate Authority 6B+.crl>

**SecureAuth G3 Intermediate Certificate Authority 1A Certificate BLOB**

```
-----BEGIN CERTIFICATE-----
MIIGhDCCBeWgAwIBAgITPAAAAApBtBH9ZTVSewAAAAAACjAKBggqhkJOPQQDBDCB
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FENlcnRpZmljYXRlIFNlcnZpY2VzMTwwOgYDVQQDEzNTZW51cmVbdXR0IEBzIElu
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DQEBAAUAA4IBDWAwwgEKAoIBAQDejqhPSG34WbW8Bu3kxvW1D5Y0oLbOocz0j0qm
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bwpLPqnr2gr2dspt77uAQLybGvUz+GtsFicfXl1CpYFHDtFioF7gu5GGcYc4j8qe
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jDAQBgkrBgEEAYI3FQEEAwIBADAdBgNVHQ4EFgQUUBjzzKPdCIGs56tp3qtiSaDGH
NywwgegGALUdIASB4DCB3TCB2gYgKwYBBAGCNxUIgtSFG4GmyU2HjZsmh/fZG4KF
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AQEEeTB3MHUGCCsGAQUFBzACHmlodHRwOi8vY2xvdWQuc2VjdXJlYXV0aC5jb20v
Q2VydEluZm8vVzEyLU9DMs1HMLJDQS0xXlNlY3VyZUF1dGg1MjBhMmYUyMFJvb3Q1
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Ciz/ushC0ek3Upp/OvieYp3YUBUCQgHehF7Jtk8Hh3IHmizjSx+JcE071xep8Pv
cvazTQlI4SghSJQpPwphfkvNhVWpB4WmkwEU69uvd6tJI0sXDqLCSw==
-----END CERTIFICATE-----
```

**SecureAuth G3 Intermediate Certificate Authority 2A Certificate BLOB**

```
-----BEGIN CERTIFICATE-----
MIIGgzCCBeWgAwIBAgITPAAAAA06X/JMjIdzwAAAAADDAKBggqhkJOPQQDBDCB
6jELMAkGALUEBhMCMVVMxExARBgNVBAgTCkNhbG1mb3JuaWEeXzANBgNVBAcTBkly
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AxMoU2VjdXJlQXV0aCBBMjB290IENlcnRpZmljYXRlIEFlbGhvcml0eTAeFw0x
NTA1Mjc0NzMyNDdaFw0yNTA1Mjc0NzMyNDdaMIH1MQswCQYDQQQGEwJVUzETMBEG
A1UECBMkQ2FsaWZvcn5pYTEPMA0GA1UEBxMGSXJ2aW5lMR8wHQYDQVQKExZTZWZWN1
cmVbdXR0IENvcnBvcnF0aW9uMUUwQAYDQVQLEzkoYykgMjAxNSBTZWZWN1cmVbdXR0
IENvcnBvcnF0aW9uIC0gRm9yIGF1dGhvcml6ZWQgdXNlIG9ubHkxHTAbBgNVBASt
FENlcnRpZmljYXRlIFNlcnZpY2VzMTwwOgYDQVQDEZNTZWZWN1cmVbdXR0IEc3IElu
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+XL0IK/G5itgnw813+xiKB65xi6vWEdUmJzHgW+ofXw4fD1cp71+X1tMOKozyU3b
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+JDxcvccmW+Rh7dUO5wJ5YHmVtWafM/BA/3GLH49YL8NZVR/AgMBAAGjggKQMIIC
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AG8AcgBwAG8AcgBhAHQAaQBVAG4AIABDAGUAcgB0AGkAZgBpAGMAYQB0AGUAIABQ
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Oi8vY2xvdWQuc2VjdXJlYXV0aC5jb20vQ2VydEluZm8vUG9saWN5LmFzZGhGAMB0G
AlUdJQQWMBQGCCsGAQUFBwMBBggrBgEFBQcDAjAZBgkrBgEEAYI3FAIEDB4KAFMA
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GDAWgBSOrv+D/DJh9Szm6p/G6qOI6uTvzBqBgNVHR8EYzBhMF+gXaBbh1lodHRw
Oi8vY2xvdWQuc2VjdXJlYXV0aC5jb20vQ2VydEluZm8vU2VjdXJlQXV0aCUyMEcz
JTIwUm9vdCUyMENlcnRpZmljYXRlJTIwQXV0aG9yaXR5LmNybDdBhQYIKwYBBQUH
AQEEeTB3MHUGCCsGAQUFBzAChmlodHRwOi8vY2xvdWQuc2VjdXJlYXV0aC5jb20v
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MjBdZXJ0aWZpY2F0ZSUyMEFlbGhvcml0eS5jcnQwCgYIKoZIzj0EAwQDgYsAMIGH
AkFOSr1XCKg/0/IwZGVUdJc01vDJY1Nxn9ANUbK5XVcz3pBKFwqHu5FyBvuG1Xmd
jdsQTTyHMwLJRKEGEPBfAEwMjYJCAdEhpIGNw4201TNX2rpt43FectcDv4tUkag1
lXapo7fEX4S2Pa5rtoGN0a2yWY5cg8VAy/XIHid0z5Cv9S57U2p
-----END CERTIFICATE-----
```

**SecureAuth G3 Intermediate Certificate Authority 3A Certificate BLOB**

```
-----BEGIN CERTIFICATE-----
MIIGhDCCBeWgAwIBAgITPAAAAAsjFsn0fgIaSQAAAAAACzAKBggqhkJOPQQDBDCB
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**SecureAuth G3 Intermediate Certificate Authority 2B Certificate BLOB**

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-----END CERTIFICATE-----
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## Web.config RootCert and InterCert Key Values





