

# 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 (SHA2-512 ECDSA Signature, ECDSA\_P521 Public Key): [CRT File](#)

Full CRL: [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Root Certificate Authority.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth_G3_Root_Certificate_Authority.crl)

SecureAuth G3 Root Certificate Authority 2 (SHA2-384 RSA Signature, RSA 4096 Public Key): [CRT File](#)

Full CRL: [http://us-cloud.secureauth.com/CertInfo/SecureAuth G3 Root Certificate Authority 2.crl](http://us-cloud.secureauth.com/CertInfo/SecureAuth_G3_Root_Certificate_Authority_2.crl)

**SecureAuth G3 Root Certificate Authority Certificate BLOB**

```

-----BEGIN CERTIFICATE-----
MIIEhDCCA/2gAwIBAgIQEskZdZfGzbZLnXThjJpIJTAKBggqhkJOPQOQDBDCB6jEL
MAKGA1UEBhmCVVMxEzARBGNVBAGTCKNhG1mb3JuaWEXDzANBGNVBACTBklydmlu
ZTEfMB0GA1UEChMWU2VjdXJlQXV0aCBDb3Jwb3JhdGlvbGJvcmEAGA1UECmM5KGMp
IDIwMTUgU2VjdXJlQXV0aCBDb3Jwb3JhdGlvbGJvcmEhZEVzIEdXZV0aWZlcmVl
ZSBVbmx5MR0wGwYDVQQLEXRZdXJ0aWZlcmVlZjYXRlIEF1dGhvcml0eTAeFw0xNTA1
MDExNzEwMjhaFw00NTA1MDExNzEwMjhaMHQswCQYDVQQGEwJVUzETMBEGA1UE
CBMKQ2FsaWZvcml5YUJ0eTAeFw0aWZlcmVlZjYXRlIEF1dGhvcml0eTAeFw0x
dXR0IENvcmV0aWZlcmVlZjYXRlIEF1dGhvcml0eTAeFw0aWZlcmVlZjYXRlIE
cnR0IENvcmV0aWZlcmVlZjYXRlIEF1dGhvcml0eTAeFw0aWZlcmVlZjYXRlIE
cnR0IENvcmV0aWZlcmVlZjYXRlIEF1dGhvcml0eTAeFw0aWZlcmVlZjYXRlIE
Q2VyZGlmaW50aWZlcmVlZjYXRlIEF1dGhvcml0eTAeFw0aWZlcmVlZjYXRlIE
BNjaHpW3LGMuootgUQMcnEtn3jk0fQNS5YIjRoCd5gEqrLD2I294d3MVoIgGms
MKhtxSlHRmP2P0aLQJQ70Addvm3jq4seaCEW1L0JGEy5fk59KOh7Y7SNIwiPEU
UU0cCdDHxSNKRgd1Raawl8h7cFFVflfQubBQgXv0fJhr8y6jggE+MIIBOjALBGNV
HQ8EBAMCAYYwDwYDVR0TAQH/BAUwAwEB/zAdBgNVHQ4EFgQUJq7/g/wyYfUs5puq
fxuqjiOrk78wEAYJKwYBBAGCNxUBBAMCAQAwgeGAlUdIASB4DCB3TCB2YgKwYB
BAGCNxUIgtSFG4GmyU2HjZsmh/fZG4KF4kMBGxIwgbUwdAYIKwYBBQUHAgIwaB5m
AFMAZQBjAHUAcgBlAEEdAQB0AGgAIABDAG8AcgBwAG8AcgBhAHQAaQBvAG4AIABD
AGUAcgB0AGkAZgBpAGMAYQB0AGUAIAAQAIAIAIAIAIAIAIAIAIAIAIAIAIAIAIAIA
AGUAbG0BMD0GCCsGAQUFBwIBFjFodHRwOi8vY2xvdWQuU2VjdXJlQXV0aC5jb20v
Q2VyZEluZm8vUG9saWN5LmFzcGMAA0GCCgGSM49BAMEA4GMADCBiAJCAVK6Ntad
AhOwPFZ1uPSIc06RSWchsb9l5o0er3SxcdK3/YD5v07zhIZYx/HoDZGTy+SsAWI6
HSC3gJZNDLUGoarIAKIBmQVxJOSPlbmSyTaZP8n+U1HfrUnv6Smm2x0Jqkj0CBqf
OrWTUgtOqg024BwXV6qVNLKAOo63DRQoVwNUWK5dlpk=
-----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-----
MIIGhDCCBeWgAwIBAgITPAAAAAaPbtBH9ZTVSewAAAAAACjAKBggqhkJOPQQDBDCB
6jELMAkGALUEBhMCMVVMxezARBgNVBAgTCkNhbG1mb3JuaWEeXzANBgNVBAcTBkly
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IHVzZSBvbnx5MR0wGyYDVQQLZXJ0aWZpY2F0ZSBSTXJ2aW51c2VudC51c2VudC51
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FENlcnRpbWZmZmljYXRlIFNlcnRpbWZmZmljYXRlIG9ubHkxHTAbBgNVBASt
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4kMBgxIwgbUwdAYIKwYBBQUHAgIwaB5mAFMAZQBjAHUAacgBlAEEdQdB0AGgAIABD
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AG8AbABpAGMAeQAgAFMAgABhAHQAQZQBtAGUAAbgB0MD0GCCsGAQUFBwIBFjFodHRw
Oi8vY2xvdWQuc2VjdXJlYXV0aC5jb20vQ2VydEluZm8vUG9saWN5LmFzZGh0b20v
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AQEEdTB3MHUGCCsGAQUFBzAChmlodHRwOi8vY2xvdWQuc2VjdXJlYXV0aC5jb20v
Q2VydEluZm8vVzEyLU9DMS1HMLJDS0xX1NlY3VyZUF1dGg1MjBhMjUyYzUyMjUyMjUy
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Ciz/ushC0ek3Upp/OvieYp3YUBUCQgHehF7Jtk8Hh3IHmizjSx+JcE071xEP8Pv
cvazTQlI4SghSJQpPwphfkhVhVWPB4WmkwEU69uvd6tJI0sXDqLCSw==
-----END CERTIFICATE-----
```



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

```
-----BEGIN CERTIFICATE-----
MIIGhDCCBeWgAwIBAgITPAAAAAsjFsn0fgIaSQAAAAAACzAKBggqhkJOPQQDBDCB
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IENvcnBvcnF0aW9uIC0gRm9yIGF1dGhvcml6ZWQgdXNlIG9ubHkxHTAbBgNVBASt
FENlcnRpZmljYXRlIFNlcnZpY2VzMTwwOgYDQDQDEZNTZWZWN1cmVbdXR0IEcZIElu
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2fxRrFTGMYJiqB85dQTgmBPDLEWouQAdey/Jk8pG1BrDSfwt4WWHspn2dLqPAB8x
/8HfaerpzuH7f8hhf3FNN8a0QsY6qFx2/4eUrwIBnhFivKSlwyQ8bZ8NVhZWRGfM
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7aQwgegGALUdIASB4DCB3TCB2gYgKwYBBAGCNxUIgtSFG4GmyU2HjZsmh/fZG4KF
4kMBgxIwgbUwdAYIKwYBBQUHAgIwaB5mAFMAZQBjAHUAcGBlAEEdQB0AGGAIABD
AG8AcgBwAG8AcgBhAHQAaQBvAG4AIAIABDAGUAcgB0AGkAZgBpAGMAYQB0AGUAIABQ
AG8AbABpAGMAeQAgAFMAAdABhAHQAZQBtAGUAbgB0MD0GCCsGAQUFBwIBFjFodHRw
Oi8vY2xvdWQuc2VjdXJlYXV0aC5jb20vQ2VydEluZm8vUG9saWN5LmFzZGhGAMB0G
ALUdJQQWMBQGCCsGAQUFBwMBBggrBgEFBQcDAjAZBgkrBgEEAYI3FAIEDB4KAFMA
dQBIAEMAQTALBgNVHQ8EBAMCAYYwEgYDVR0TAAQH/BAGwBgEB/wIBADAFBgNVHSME
GDAWgBSOrv+D/DJh9Szm6p/G6qOI6uTvzBqBgNVHR8EYzBhMF+gXaBbhl1odHRw
Oi8vY2xvdWQuc2VjdXJlYXV0aC5jb20vQ2VydEluZm8vU2VjdXJlQXV0aCUyMEcz
JTIwUm9vdCUyMENlcnRpZmljYXRlJTIwQXV0aG9yaXR5LmNybDZCBhQYIKwYBBQUH
AQEEeTB3MHUGCCsGAQUFBzAChmlodHRwOi8vY2xvdWQuc2VjdXJlYXV0aC5jb20v
Q2VydEluZm8vVzEyLU9DM51HMLJDQS0xXlNlY3VyZUF1dGg1MjBhMjUyYjV3Q1
MjBjZDZXXJ0aWZpY2F0ZSUyMEFlbGhvcml0eS5jcnQwCgYIKoZIzj0EAwQDgYwAMIGI
AkIAtAyRROCHLYdxh1XmUyivfm7cSfBS2gRIipuRkk6BX/F78gfbbw+8dWsfpzOD
7QH+Jji4OY/pgVrkV3dYzg49ypsCQgCQIJId9+LEyHYLU16I2S6aNFk2HtCpfCAI
ADXVTDsx2WxoqhmmDXWE+F9ekf9bJjTuje5mYskbu+bGarhZLWZzOA==
-----END CERTIFICATE-----
```

**SecureAuth G3 Intermediate Certificate Authority 4A Certificate BLOB**

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

MIIGgzCCBeWgAwIBAgITPAAAAA7c48tTAdtWAAAAAACTAKBggqhkJOPQQDBDCB  
6jELMAkGALUEBhMCVVMxezARBgNVBAgTCKNhbG1mb3JuaWExDzANBgNVBAcTBkly  
dmluZTEfMB0GALUEChMWU2VjdXJlQXV0aCBDb3Jwb3JhdGlvbiAtIEZvciBhdXR0b3JpemVk  
IHVzZSBvbmh5MR0wGwYDVQQLZXJ0aWZpY2F0ZSBTZXXJ2aWNlczExMC8GA1UE  
AxMoU2VjdXJlQXV0aCBHMyBSb290IENlcnRpZmljYXRlIEFlZGhvcml0eTAeFw0x  
NTA1MTYxOTE3MTlaFw0yNTA1MTYxOTI3MTlaMIHlMQswCQYDVQGEwJVUzETMBEG  
A1UECBMKQ2FsaWZvcn5pYTEPMA0GALUEBxMGSXJ2aW5lMR8wHQYDVQKExXTZWN1  
cmVbdXR0IENvcnBvcnF0aW9uMUUwQAYDVQQLZkoYykGMAjAXNSBTZWN1cmVbdXR0  
IENvcnBvcnF0aW9uIC0gRm9yIGF1dGhvcml6ZWQgdXNlIG9ubHkxHTAbBgNVBASt  
FENlcnRpZmljYXRlIFNlcnZpY2VzMTwwOgYDVQDEZNTZWN1cmVbdXR0IEc3IElu  
dGVyYbWVkaWF0ZSBBDXJ0aWZpY2F0ZSBBDXR0b3JpdHkgNEEwgGEiMA0GCSGSIb3  
DQEBAQUAA4IBDwAwggEKAoIBAQc9pPht70DuJ8YdHE3cEhBupVhRNGSbd/v5Abbw  
cTv6SKZAtmmAtPqCp3Gze5ZmX584Inv457LdJrslWb1+VC2pRBI6ThXDOiilBmoP  
WIFktVg5CjSArxg90da9yzE9GEe+urLcLNxWk4R/P96h4bvNqESPXki2YDHSEuU  
IaYqzQnJht79+dvVfTfsVij/AZ1Uus4guys4x900qk9D/zSrYR5WFyk8XV9cYyK  
okJ6tYbTVlh9fjLSFWLt1qgkTuHMTzzgzLmtHUDA8efxjn5YlBACxXOJEL5Ejvb  
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-----END CERTIFICATE-----







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

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





