

CA Certificate Chain

Total number of certificates: 2

ORC ECA 6 CA Signing Certificate:

Certificate Subject DN

CN=ORC ECA 6, OU=Certification Authorities, OU=ECA, O=U.S. Government, C=US

Certificate in base64 encoded format

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

```
MIIETCCA6mgAwIBAgIBCDANBgkqhkiG9w0BAQsFADBNMQswCQYDVQQGEwJVUzEY
MBYGA1UEChMPVS5TLiBHb3Zlcm5tZW50MQwwCgYDVQQLEwNFQ0ExFjAUBgNVBAMT
DUVDQSBSb290IENBIDQwHhcNMTUwOTAxMTMzNDIwWWhcNMjEwOTAxMTMzNDIwWjBt
MQswCQYDVQQGEwJVUzEYMBYGA1UEChMPVS5TLiBHb3Zlcm5tZW50MQwwCgYDVQQQL
EwNFQ0ExFjAgBgNVBAsTGUNlcnRpZmljYXRpb24gQXV0aG9yaXRpZXMxEjAQBgNV
BAMTCU9SQyBFQ0EgNjCCASlwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAKL/
uUR3T2yH0ic7cB8NDmQ3ydi6bOq2JNXaDsSFf69UvwfZeVSsvNnHINw9gXTj+B/c
SO19t3KYHxWg+JrVEuu3myzImy4KhdwBO2FL/u824qi74NdqDZUn1dk7fFg3+vzw
7ug/zvq1ohA4/IDmFN6PwFeyuevWRjg4c+G94GFz+MIQvyCLA8wVT/YbvH//QmVp
b/9pj2iTzAhixB9jzpIROIxStBws4VvYV3yrs1W/VE0QL/+91HhnbWPsDFTeAyZX
s5kYc+cFhg2CXm0eyGULpsCrH8TaniozizACbHKCk956iO0Umj9PW67SIQrhUEsB
bVgdAX3kPRKRoxCieMsCAwEAaOCAYowggGGMB8GA1UdIwQYMBaAFDNbpW96VWAR
gUsmFMx5v0q6izK9MB0GA1UdDgQWBBR53OkNKVJxX3GG3TUzqYXQVYqhtDAOBgNV
HQ8BAf8EBAMCAYYwawYDVR0gBGQwYjAMBgpghkgBZQMCAQwEMAwGCmCGSAFIawIB
DAUwDAYKYIZIAWUDAgEMBjAMBgpghkgBZQMCAQwHMAwGCmCGSAFIawIBDAgWDAYK
YIZIAWUDAgEMCTAMBgpghkgBZQMCAQwKMBIGA1UdEwEB/wQIMAYBAf8CAQAwDAYD
VR0kBAUwA4ABADA3BgNVHR8EMDAuMCYgKqAohiZodHRwOi8vY3JsLmRpc2EubWls
L2NyY29FQ0FST09UQ0E0LmNyY29FQ0FST09UQ0E0LmNyY29FQ0FST09UQ0E0LmNy
LmH0dHA6Ly9jcmwuzGlzYS5taWwvaXNzdWVkdG8vRjBvRjBvRjBvRjBvRjBvRjBvRj
IAyIKwYBBQUHMAGGFgh0dHA6Ly9vY3NwLmRpc2EubWlsMA0GCSqGSIb3DQEBCwUA
A4IBAQCqCqXomu+jLPgYR0CfMdpCy8GvMjQajeKslj2HzldZh1ohdIR1M6Acu9S+5
oFL5Xd8ai+sg/Nrt47NwLuX2POFaT9IEcl5AMxNQksvriD0JQCcpb5ohCOKm4OIC
ZyZW7CPdQeZu11CfrkG9qg8MAZyPB80lfMKk8dX3MfGxBlhcn2EScqCx2bwtKshO
oznPO/l8ULeVFJQVzWbwO5jz9neE3p81WRfP0r4/N4zCvCCIAme/vagnjNndv8iv
VfSfw5Gw5iPu5TuMVciLA2KQmAxYA6UYW3qjaphTM7kAj8+0cjrkrkCOnHdYeFQ3N
HzevYZiYmSUzt+eF+C4Dx5N5yr1r
```

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

Certificate Contents

Certificate:

Data:

Version: 3 (0x2)

Serial Number: 8 (0x8)

Signature Algorithm: sha256WithRSAEncryption

Issuer: C=US, O=U.S. Government, OU=ECA, CN=ECA Root CA 4

Validity

Not Before: Sep 1 13:34:20 2015 GMT

Not After : Sep 1 13:34:20 2021 GMT

Subject: C=US, O=U.S. Government, OU=ECA, OU=Certification Authorities, CN=ORC ECA 6

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

00:a2:ff:b9:44:77:4f:6c:87:d2:27:3b:70:1f:0d:

0e:64:37:c9:d8:ba:6c:ea:b6:24:d5:da:0e:c4:85:
7f:af:54:bf:07:d9:79:54:ac:bc:d9:c7:20:dc:3d:
81:74:e3:f8:1f:dc:48:ed:7d:b7:72:98:1f:15:a0:
f8:9a:d5:12:eb:b7:9b:2c:e5:9b:2e:0a:85:dc:01:
3b:61:4b:fe:ef:36:e2:a8:bb:e0:d7:6a:0d:95:27:
d5:d9:3b:7c:58:37:fa:fc:f0:ee:e8:3f:ce:fa:b5:
a2:10:38:fe:50:e6:14:de:8f:c0:57:b2:b9:eb:d6:
46:38:38:73:e1:bd:e0:61:73:f8:c9:50:bf:20:8b:
03:cc:15:4f:f6:1b:bc:7f:ff:42:65:69:6f:ff:69:
8f:68:93:cc:08:62:c4:1f:63:ce:92:11:3a:5c:52:
b4:1c:2c:e1:5b:d8:57:7c:ab:b3:55:bf:54:4d:10:
2f:ff:bd:d4:78:67:6d:63:ec:0c:54:de:03:26:57:
b3:99:18:73:e7:05:86:0d:82:5e:6d:1e:c8:65:0b:
a6:c0:ab:1f:c4:da:9e:2a:33:8b:30:02:6c:72:82:
93:de:7a:88:ed:14:9a:3f:4f:5b:ae:d2:21:0a:e1:
50:4b:01:6d:58:1d:01:7d:e4:3d:12:91:a3:10:a2:
78:cb

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Authority Key Identifier:

keyid:33:5B:A5:6F:7A:55:60:2B:81:4B:26:14:CC:79:BF:4A:BA:8B:32:BD

X509v3 Subject Key Identifier:

79:DC:E9:0D:29:52:71:5F:71:86:DD:35:33:A9:85:D0:55:8A:A1:B4

X509v3 Key Usage: critical

Digital Signature, Certificate Sign, CRL Sign

X509v3 Certificate Policies:

Policy: 2.16.840.1.101.3.2.1.12.4

Policy: 2.16.840.1.101.3.2.1.12.5

Policy: 2.16.840.1.101.3.2.1.12.6

Policy: 2.16.840.1.101.3.2.1.12.7

Policy: 2.16.840.1.101.3.2.1.12.8

Policy: 2.16.840.1.101.3.2.1.12.9

Policy: 2.16.840.1.101.3.2.1.12.10

X509v3 Basic Constraints: critical

CA:TRUE, pathlen:0

X509v3 Policy Constraints:

Require Explicit Policy:0

X509v3 CRL Distribution Points:

Full Name:

URI:<http://crl.disa.mil/crl/ECAROOTCA4.crl>

Authority Information Access:

CA Issuers - URI:http://crl.disa.mil/issuedto/ECAROOTCA4_IT.p7c

OCSP - URI:<http://ocsp.disa.mil>

Signature Algorithm: sha256WithRSAEncryption

aa:71:7a:26:bb:e8:cb:3e:06:11:d0:27:cc:76:90:b2:f0:6b:
cc:26:a6:a3:78:ab:25:8f:61:f3:21:d6:61:d6:88:5d:95:1d:
4c:e8:07:2e:f5:2f:b9:a0:52:f9:5d:df:1a:8b:eb:20:fc:da:
ed:e3:b3:70:2e:e5:f6:3c:e1:5a:4f:d2:04:72:5e:40:33:13:
50:92:cb:eb:88:3d:09:40:27:29:6f:9a:21:08:e2:a6:e0:e2:
02:67:26:56:ec:23:dd:41:e6:6e:d7:50:9f:ae:41:bd:aa:0f:
0c:01:9c:8f:07:cd:25:7c:c2:a4:f1:d5:f7:31:f1:b1:04:88:

5c:9f:61:12:72:a0:b1:d9:bc:2d:2a:c8:4e:a3:39:cf:3b:f9:
7c:50:b7:95:14:94:15:cd:66:f0:3b:98:f3:f6:77:84:de:9f:
35:59:17:cf:d2:be:3f:37:8c:c2:bc:20:88:02:67:bf:bd:a8:
27:8c:d9:dd:bf:c8:af:55:f4:9f:c3:91:b0:e6:23:ee:e5:3b:
8c:55:c8:8b:03:62:90:98:0c:58:03:a5:18:5b:7a:a2:6a:98:
53:33:b9:00:8f:cf:b4:72:39:2b:90:23:a7:1d:d6:1e:15:0d:
cd:1f:37:af:61:98:98:99:25:33:b7:e7:85:f8:2e:03:c7:93:
79:ca:bd:6b

ECA Root CA 4 CA Certificate:

Certificate Subject DN

CN=ECA Root CA 4, OU=ECA, O=U.S. Government, C=US

Certificate in base64 encoded format

```
-----BEGIN CERTIFICATE-----
MIIDVzCCAj+gAwIBAgIBATANBgkqhkiG9w0BAQsFADBNMQswCQYDVQQGEwJVUzEY
MBYGA1UEChMPVS5TLiBHb3Zlcm5tZW50MQwwCgYDVQQLEwNFQ0ExFjAUBgNVBAMT
DUVDQSBSb290IENBIDQwHhcNMTIwMzIwMTYxMzA0WWhcNMjMjMjMwMTYxMzA0WjBN
MQswCQYDVQQGEwJVUzEYMBYGA1UEChMPVS5TLiBHb3Zlcm5tZW50MQwwCgYDVQQQL
EwNFQ0ExFjAUBgNVBAMTDUVDQSBSb290IENBIDQwggiMA0GCSqGSIb3DQEBAQUA
A4IBDwAwggEKAoIBAQC4cGIXvYBaQcAZ5pXn1IIT3Cw4S4qCyhyIXY5+PAxvZeHa
uBxxGLbeFAh528aKme36ld1iGAAt8BTMWk53nvLodxQDFMap/blSoGf/Hzd60HCP
ltdwJA4tnUVePAAT7qA6MRqQIFdl5DAXxskEed0e/6DI71+sACU6Ab+WnASVjq1S
s5Fw9PTsM+EPCBeCulYKPznR3JA5xz65MymD2QroE+BePQ0lgMRszywugCrQLUBJ
G8SctvM2KSbsMQBzGs13la3LEvxFCk26DFc3vVcj3ZbqwHWz+fNJ6v0tHNQqjQl
h1daHISZO5sB6sXdlaOwcrbsckEqqoX68ak4IBUHAqMBAAGjQjBAMB0GA1UdDgQW
BBQzW6VvelVgK4FLJhTMeB9KuosityTAOBgNVHQ8BAf8EBAMCAYYwDwYDVR0TAQH/
BAUwAwEB/zANBgkqhkiG9w0BAQsFAAOCAQEAt9hela+tXpxF4rx10UCFfe6IMXI
k2kIXhVxOU7B0djoe007jRnRwCDf502ril1/gCCNje8CalrVAJwhtwWs57ePsZRT
Pblu+PfogIXRKCRIgOUWx7BEC9OEUKMjyNr7XvYBhtk3v/1uuFDIDeY8dPolbo/y
jMPfULefKPiUByazL52bkra9LUoNaEdcpF2GiDvOshEkMAdBnuwzBjB5rJbT0gV
WiOjaskGWnyMiERxiZrnat49Ca/Ry7yVpwhXjGhMRHTcfCD71DH7nlsOyNj+Jpm
bg4plButJc25uL8b0nNAAMNNrIk8XOgg4kOGnSYqJQ8tnTsIE4CFesxbg==
-----END CERTIFICATE-----
```

Certificate Contents:

Certificate:

Data:

Version: 3 (0x2)

Serial Number: 1 (0x1)

Signature Algorithm: sha256WithRSAEncryption

Issuer: C=US, O=U.S. Government, OU=ECA, CN=ECA Root CA 4

Validity

Not Before: Mar 20 16:13:04 2012 GMT

Not After : Dec 30 16:13:04 2029 GMT

Subject: C=US, O=U.S. Government, OU=ECA, CN=ECA Root CA 4

Subject Public Key Info:

Public Key Algorithm: rsaEncryption

Public-Key: (2048 bit)

Modulus:

```
00:b8:70:69:57:bd:80:5a:41:c0:19:e6:95:e7:d4:
82:13:dc:2c:38:4b:8a:82:ca:1c:88:5d:8e:7e:3c:
0c:6f:65:e1:da:b8:1c:71:18:b6:de:14:08:79:db:
c6:8a:99:ed:fa:21:dd:62:18:00:2d:f0:14:cc:5a:
4e:77:9e:f2:e8:77:14:03:14:c6:a9:fd:b2:12:a0:
67:ff:1f:37:7a:d0:70:8f:96:d7:70:24:0e:2d:9d:
45:5e:3c:00:13:ee:a0:3a:31:1a:90:20:57:65:e4:
30:17:c6:c9:04:79:dd:1e:ff:a0:c8:ef:5f:ac:00:
25:3a:01:bf:96:9c:04:95:8e:ad:52:b3:91:70:f4:
f4:ec:33:e1:0f:08:17:82:b8:86:0a:3f:39:d1:dc:
90:39:c7:3e:b9:33:29:83:d9:0a:e8:13:e0:5e:3d:
0d:25:80:c4:6c:cf:2c:2e:80:2a:d0:2d:40:49:1b:
```

c4:9c:b6:f3:36:29:26:ec:31:00:73:1a:cd:77:95:
ad:e5:2c:4b:f1:14:29:36:e8:31:5c:de:f5:5c:8f:
76:5b:ab:01:d6:cf:e7:cd:27:ab:f4:b4:73:50:42:
34:25:87:57:5a:1e:54:99:3b:9b:01:ea:c5:dd:95:
a3:b0:72:b6:ec:70:a1:2a:aa:85:fa:f1:a9:38:94:
15:07

Exponent: 65537 (0x10001)

X509v3 extensions:

X509v3 Subject Key Identifier:

33:5B:A5:6F:7A:55:60:2B:81:4B:26:14:CC:79:BF:4A:BA:8B:32:BD

X509v3 Key Usage: critical

Digital Signature, Certificate Sign, CRL Sign

X509v3 Basic Constraints: critical

CA:TRUE

Signature Algorithm: sha256WithRSAEncryption

b6:1f:61:78:86:be:b5:7a:71:17:8a:f1:d7:45:02:15:f7:ba:
20:c5:e5:93:69:25:5e:15:71:39:4e:c1:d1:d8:e8:7b:43:bb:
8d:19:d1:c0:20:df:e7:4d:ab:8a:5d:7f:80:20:8d:8d:ef:02:
68:8a:d5:00:9c:21:b7:05:ac:e7:b7:8f:b1:94:53:3d:b9:6e:
f8:f7:e8:82:55:d1:28:24:65:80:e5:16:c7:b0:44:0b:d3:84:
52:43:23:c8:da:fb:5e:f6:01:86:d9:37:bf:fd:6e:b8:50:c8:
0d:e6:3c:74:fa:0b:6e:8f:f2:8c:c3:df:50:b7:9f:28:f8:ae:
50:1c:9a:cc:be:76:6e:4a:da:f4:b5:28:35:a1:1d:72:91:76:
1a:20:ef:3a:c8:44:90:c0:1d:06:7b:b0:cd:b8:c1:e6:b2:5b:
4f:48:15:5a:23:a3:6a:c9:06:5a:7c:8c:88:44:71:89:9a:e7:
6a:de:3d:09:af:d1:cb:bc:95:a7:08:57:8e:51:a1:31:11:d3:
71:f0:83:ef:50:c7:ee:79:6c:3b:23:63:f8:9a:66:6e:0e:29:
20:1b:ad:25:cd:b9:b8:bf:1b:d2:73:40:00:c3:4d:ac:89:64:
f1:73:a0:83:89:0e:1a:74:98:a8:94:3c:b6:74:ec:94:4e:02:
15:eb:31:6e