

# Installieren eines SSL-Zertifikats über die CLI auf einer ESA

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## Einführung

In diesem Dokument wird beschrieben, wie Sie ein SSL-Zertifikat (Secure Sockets Layer) über die CLI einer Cisco E-Mail Security Appliance (ESA) installieren, das ein SSL-Zwischenzertifikat enthält.

## Voraussetzungen

Cisco empfiehlt, über Kenntnisse in folgenden Bereichen zu verfügen:

- ESA
- Alle Versionen von AsyncOS

## Installieren eines SSL-Zertifikats

Die ESA fordert nach dem Serverzertifikat das Zwischenzertifikat an. Bei Bedarf können Sie mehrere Zwischenzertifikate installieren.

Hier ist eine Beispielausgabe.

**Hinweis:** Dies sind selbstsignierte Testzertifikate. Versuchen Sie nicht, sie zu verwenden.

```
ironport.example.com> certconfig
```

Currently using one certificate/key for receiving, delivery, HTTPS management access, and LDAP.

Choose the operation you want to perform:  
- SETUP - Configure security certificates and keys.  
[ ]> setup

Do you want to use one certificate/key for receiving, delivery, HTTPS management access, and LDAPS? [Y]>

paste cert in PEM format (end with '.'):

```
-----BEGIN CERTIFICATE-----  
MIIDuCCAqACCQD75TKsZ1SEvjanBgqhkiG9w0BAQUFADCBnTElMAkGA1UEBhMC  
WkExEDAObGNVBAgTB0dhdxRlmcxFTATBgNVBAcTDEpvaGFubmVzYnVyZzEhMB8G  
A1UEChMYSW50ZXJlZG9wV2lkZ210cyBQdHkgTHRkMRswGQYDVQDEExJob3N0Lndp  
ZGdpdHMuY28uemExJTAjbGkqhkiG9w0BCQEFmlyb25wb3J0QHdpZGdpdHMuY28u  
emEwHhcNMDcwNDA2MTMwOTA4WhcNMDcwNDA2MTMwOTA4WjCBnTElMAkGA1UEBhMC  
WkExEDAObGNVBAgTB0dhdxRlmcxFTATBgNVBAcTDEpvaGFubmVzYnVyZzEhMB8G  
A1UEChMYSW50ZXJlZG9wV2lkZ210cyBQdHkgTHRkMRswGQYDVQDEExJob3N0Lndp  
ZGdpdHMuY28uemExJTAjbGkqhkiG9w0BCQEFmlyb25wb3J0QHdpZGdpdHMuY28u  
emEwggeiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQD24eIO1BFlcSMSP1EE  
5sn7+za3jt6joS6v1BL0HtLKS4uViwoXivX+JiiHfM7uNLakEtO7gOnZQolJsm  
aeucqgBXm2cp10j894XxWioXhZokBM1xy9mZspbMNwILxRMfbXVmFLwhLzm/eG9+J  
eWrVuV4RlhJhGx7Yn/Q1vGIkTAmjFOuCQVkrGcIpn14jXPOMJdmpLpw0LUYZ1fRgR  
VYPsemKRgGqOxZxeEubJw7PVPiTMGgYokIH8ImOD5OTRPUzWoEjrobnvnePYIrySjR  
yXdncKPGewkB/T3tIkpTkeGJEvmZARK/361F5edZjygVYDzfMz7Le1tXYwj80t8w  
F0rfAgMBAAEwdQYJKoZIhvcNAQEFBQADggEBAEFldNxtok5OXqripccxVhEfa  
iZCiqL4hWC9g0PZRyC7PP3DDIuPjrhF67FR/BL6LRxyZNDiBC3d4iQrue6dHPtNT  
1Dzm3/3H9cz9CZ5b1fg+2opwWa4/FcU8oYTqlArxBfSVRUusZahh/6GIvG+nnPVC  
luhYeWZkuuINsrF6urJk3uuX+Amg5/2B7wHcScsTqgif6NeDMuR9MB0lHuTc  
jiEKotwPiJ04H6lHya5MYa9dtIIRMJELfJYhKxmALhxOyfercZwqyImOh7gmH1ZtUo9/  
5m5+hDKImkNfOQ2PemlymYBtbI05bIpa5ag6VyiCETzzqNzEiInIFZ9h9sg=  
-----END CERTIFICATE-----
```

```
.  
cert = -----BEGIN CERTIFICATE-----  
MIIDuCCAqACCQD75TKsZ1SEvjanBgqhkiG9w0BAQUFADCBnTElMAkGA1UEBhMC  
WkExEDAObGNVBAgTB0dhdxRlmcxFTATBgNVBAcTDEpvaGFubmVzYnVyZzEhMB8G  
A1UEChMYSW50ZXJlZG9wV2lkZ210cyBQdHkgTHRkMRswGQYDVQDEExJob3N0Lndp  
ZGdpdHMuY28uemExJTAjbGkqhkiG9w0BCQEFmlyb25wb3J0QHdpZGdpdHMuY28u  
emEwHhcNMDcwNDA2MTMwOTA4WhcNMDcwNDA2MTMwOTA4WjCBnTElMAkGA1UEBhMC  
WkExEDAObGNVBAgTB0dhdxRlmcxFTATBgNVBAcTDEpvaGFubmVzYnVyZzEhMB8G  
A1UEChMYSW50ZXJlZG9wV2lkZ210cyBQdHkgTHRkMRswGQYDVQDEExJob3N0Lndp  
ZGdpdHMuY28uemExJTAjbGkqhkiG9w0BCQEFmlyb25wb3J0QHdpZGdpdHMuY28u  
emEwggeiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQD24eIO1BFlcSMSP1EE  
5sn7+za3jt6joS6v1BL0HtLKS4uViwoXivX+JiiHfM7uNLakEtO7gOnZQolJsm  
aeucqgBXm2cp10j894XxWioXhZokBM1xy9mZspbMNwILxRMfbXVmFLwhLzm/eG9+J  
eWrVuV4RlhJhGx7Yn/Q1vGIkTAmjFOuCQVkrGcIpn14jXPOMJdmpLpw0LUYZ1fRgR  
VYPsemKRgGqOxZxeEubJw7PVPiTMGgYokIH8ImOD5OTRPUzWoEjrobnvnePYIrySjR  
yXdncKPGewkB/T3tIkpTkeGJEvmZARK/361F5edZjygVYDzfMz7Le1tXYwj80t8w  
F0rfAgMBAAEwdQYJKoZIhvcNAQEFBQADggEBAEFldNxtok5OXqripccxVhEfa  
iZCiqL4hWC9g0PZRyC7PP3DDIuPjrhF67FR/BL6LRxyZNDiBC3d4iQrue6dHPtNT  
1Dzm3/3H9cz9CZ5b1fg+2opwWa4/FcU8oYTqlArxBfSVRUusZahh/6GIvG+nnPVC  
luhYeWZkuuINsrF6urJk3uuX+Amg5/2B7wHcScsTqgif6NeDMuR9MB0lHuTc  
jiEKotwPiJ04H6lHya5MYa9dtIIRMJELfJYhKxmALhxOyfercZwqyImOh7gmH1ZtUo9/  
5m5+hDKImkNfOQ2PemlymYBtbI05bIpa5ag6VyiCETzzqNzEiInIFZ9h9sg=  
-----END CERTIFICATE-----
```

```
paste key in PEM format (end with '.'):
-----BEGIN RSA PRIVATE KEY-----
MIIEpQIBAAKCAQEAA9uHiDtQRZXEjEj5RBOBDe/s2t40+o6Eur9QS9B7ZSkulLlYsK
F4r1/iYoh3z07jS2ihLTu4Dp2UKJSbJmnrnKqgV5tnKdTo/PeF8VoqF4WaJATNcc
vZmbKwZDcCC8UTH211ZhS8IS85v3hvfIXsK1bleEZYsYRse2J/0NbxijEwJoxTrg
kFZKxnCKZ5eI1zzjCXZqS6cNC1GGZX0YEVWD0npikRqjsWcXhLmycOz1T4k5hoGK
JCB/CJjg+Tk0T7s1qBI66G753j2CK8ko0cl3Z3JDxnsJAf097SJKU5BBiXrzGQES
v9+pReXnWY8oFWA83zM+y3tbV2MI/NLfmBdK3wIDAQABAoIBAQCmPpb9yznngFao
e0QNW+M5AoHm+fq7LteEWPdmYbuKNvLIgXcLQWzCdimGirnBV8evlFvlgCp4PUC7
WqGVsqBQ+xzpiaZ594cKlGS6PacQHJzV4WieF+i07YlxYOnOdymz+ZvM6uPeHSGC
Rjut+ck4g0BJKA9uYh88MD+yLr//Bqau0/H13/7Kxb337k9OwKLTgPnQe94/FPWx
d0SblUccFop/lNUuqBrjE9HUoJADZtWAigJnBm8c4mG6gx3ZY1XP6PD2Ww7tkbcR
llh/x0xP4l4Rtt3DL2PMCusl/ukMdncuBjRl68zTuuJ4dCMkcv6ATTokbFWp1Bld
fgBkmITZAoGBAP8pd3Rz30rMIndw4+ZtL/2afJSD9f0ytdZ7/mlQnutcRlCoSrbp
s5mFWXhryyzCEYHeapOX1Rjlp5CLj+2NAw30QEY07XArVxs0w/BB4TXsV/KheVqP
qDZAHTyE4BdXvtJFNougu/P5OyYuYrSekWJrApZakGiH4ggoHuSd494TAoGBAPex
dIOE10SZG4y1lD0PdTdCpVrE4UrQC3jv9SX9a6Lymp4SARJ0FwzTTHDQbgvUF7R
vL3p3TouX5SDp0RnDWMA81LNRgzSa9wtJu9yXUhn9i7xISAaguLjyDCOKg21VRsr
KaQ27kcIXmbdKNJu5ozjXz7TebJg/3NL9jtOSMmFAoGAU8Y8hwpOHMrM0XoPUZK
BFyNXIF66ReWJgZtwAwNMT8Jgv/OEAHoypXCi0vw2BAbiWUJ3s1x1IvKGSYJKjgq
8ZDo7WQBNNu17KPFVQN8OqUPNwUW/8m8s5sXPkBuBpvzdbvtJROPwglpBx8hnyWU
nBiAl/cqBHfgmUb65ZqFLusCgYEA9nEzUh/75x7HEGshwNb+cyr2RqeY2MzCfUm0
DkZkr83dHA3N6azfjzzj011IqC87MfxQZEypdlfpdWTAKgi2gwjREFN5FpUvB/RM
xvTs5zu479+ua7i0/XZRGi54nPchBFUfseEsLrQ26PwmxijdbtRTubkrXlWwFFFB
/qPX09kCgYEA16IFzZr79c7mHROpfaUTibrZGYQU5DggQKaGhaKN6RjI1ZvHUJS
xinp/HDHL2ce8DXsoXwE532xulQ04ZchpB46DJ19xI1XL4wBk3Mp0NYR3qRPfnzU
VD3C4qagW3Bet+2Fe4ZHamQu27TMSl0IUpcDRjYzQFUSKIv9zDWBtUk=
-----END RSA PRIVATE KEY-----
```

```
key = -----BEGIN RSA PRIVATE KEY-----
MIIEpQIBAAKCAQEAA9uHiDtQRZXEjEj5RBOBDe/s2t40+o6Eur9QS9B7ZSkulLlYsK
F4r1/iYoh3z07jS2ihLTu4Dp2UKJSbJmnrnKqgV5tnKdTo/PeF8VoqF4WaJATNcc
vZmbKwZDcCC8UTH211ZhS8IS85v3hvfIXsK1bleEZYsYRse2J/0NbxijEwJoxTrg
kFZKxnCKZ5eI1zzjCXZqS6cNC1GGZX0YEVWD0npikRqjsWcXhLmycOz1T4k5hoGK
JCB/CJjg+Tk0T7s1qBI66G753j2CK8ko0cl3Z3JDxnsJAf097SJKU5BBiXrzGQES
v9+pReXnWY8oFWA83zM+y3tbV2MI/NLfmBdK3wIDAQABAoIBAQCmPpb9yznngFao
e0QNW+M5AoHm+fq7LteEWPdmYbuKNvLIgXcLQWzCdimGirnBV8evlFvlgCp4PUC7
WqGVsqBQ+xzpiaZ594cKlGS6PacQHJzV4WieF+i07YlxYOnOdymz+ZvM6uPeHSGC
Rjut+ck4g0BJKA9uYh88MD+yLr//Bqau0/H13/7Kxb337k9OwKLTgPnQe94/FPWx
d0SblUccFop/lNUuqBrjE9HUoJADZtWAigJnBm8c4mG6gx3ZY1XP6PD2Ww7tkbcR
llh/x0xP4l4Rtt3DL2PMCusl/ukMdncuBjRl68zTuuJ4dCMkcv6ATTokbFWp1Bld
fgBkmITZAoGBAP8pd3Rz30rMIndw4+ZtL/2afJSD9f0ytdZ7/mlQnutcRlCoSrbp
s5mFWXhryyzCEYHeapOX1Rjlp5CLj+2NAw30QEY07XArVxs0w/BB4TXsV/KheVqP
qDZAHTyE4BdXvtJFNougu/P5OyYuYrSekWJrApZakGiH4ggoHuSd494TAoGBAPex
dIOE10SZG4y1lD0PdTdCpVrE4UrQC3jv9SX9a6Lymp4SARJ0FwzTTHDQbgvUF7R
vL3p3TouX5SDp0RnDWMA81LNRgzSa9wtJu9yXUhn9i7xISAaguLjyDCOKg21VRsr
KaQ27kcIXmbdKNJu5ozjXz7TebJg/3NL9jtOSMmFAoGAU8Y8hwpOHMrM0XoPUZK
BFyNXIF66ReWJgZtwAwNMT8Jgv/OEAHoypXCi0vw2BAbiWUJ3s1x1IvKGSYJKjgq
8ZDo7WQBNNu17KPFVQN8OqUPNwUW/8m8s5sXPkBuBpvzdbvtJROPwglpBx8hnyWU
nBiAl/cqBHfgmUb65ZqFLusCgYEA9nEzUh/75x7HEGshwNb+cyr2RqeY2MzCfUm0
DkZkr83dHA3N6azfjzzj011IqC87MfxQZEypdlfpdWTAKgi2gwjREFN5FpUvB/RM
xvTs5zu479+ua7i0/XZRGi54nPchBFUfseEsLrQ26PwmxijdbtRTubkrXlWwFFFB
/qPX09kCgYEA16IFzZr79c7mHROpfaUTibrZGYQU5DggQKaGhaKN6RjI1ZvHUJS
xinp/HDHL2ce8DXsoXwE532xulQ04ZchpB46DJ19xI1XL4wBk3Mp0NYR3qRPfnzU
VD3C4qagW3Bet+2Fe4ZHamQu27TMSl0IUpcDRjYzQFUSKIv9zDWBtUk=
-----END RSA PRIVATE KEY-----
```

Do you want add an intermediate certificate? [N]> y

```
paste intermediate cert in PEM format (end with '.'):
-----BEGIN CERTIFICATE-----
MIIDuCCAAqACCQD75TKsZ1SEvjanBgkqhkiG9w0BAQUFADCBnTElMAkGA1UEBhMC
```

```
WkExEDAObgNVBAgTB0dhdxRlbnmcxFTATBgnVBACtDEpvaGFubmVzYnVyZzEhMB8G
A1UEChMYSW50ZXJ1ZXQgV2lkZ210cyBQdHkgTHRkMRswGQYDVQDExJob3N0Lndp
ZGdpdHMUy28uemExJTAjBgcqhkiG9w0BCQEFmlyb25wb3J0QHdpZGdpdHMUy28u
emEwHhcNMDcwNDA2MTMwOTA4WHcNMDcwNDA2MTMwOTA4WjCBnTElMAkGA1UEBhMC
WkExEDAObgNVBAgTB0dhdxRlbnmcxFTATBgnVBACtDEpvaGFubmVzYnVyZzEhMB8G
A1UEChMYSW50ZXJ1ZXQgV2lkZ210cyBQdHkgTHRkMRswGQYDVQDExJob3N0Lndp
ZGdpdHMUy28uemExJTAjBgcqhkiG9w0BCQEFmlyb25wb3J0QHdpZGdpdHMUy28u
emEwgGgEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQD24eIO1BF1cSMSP1EE
5sN7+za3jT6joS6v1BL0HtlKS4uViwoXivX+JiiHfM7uNLAKetO7gOnZQolJsmae
ucqgBXm2cp10j894XxWioXhZokBM1xy9mZspbMNwILxRMfbXVmFLwhLzm/eG9+Je
wrVuV4RlhJhGx7Yn/Q1vGIkTAmjFOuCQVkrGcIpn14jXPOMJdmpLpw0LUYZ1fRgR
VYPSemKRgQoxZxeEubJw7PVPiTMGgYokIH8ImOD50TRPuzWoEjrobnvnePYIrySjR
yXdnckPGewkB/T3tIkpTkEGJevMZARK/361F5edZjygVYDzfMz7Le1tXYwj80t8w
F0rfAgMBAAEwdQYJKoZIhvcNAQEFBQADggEBAEfFldNxtok5OXqripccxEVhEfai
zCiQqL4hWC9g0PZRyC7PP3DDIuPjrhF67FR/BL6LRxyZNDiBC3d4iQrue6dHPTNT
1Dzm3/3H9cz9CZ5blfg+2opwWa4/FcU8oYTqlArxBfSVRUusZahh/6GIvG+nnPvc
luhYeWZkuuINsrF6urJk3uuX+Amg5/2B7wHcScsTqgif6NeDMuR9MB0lHuTcjiEK
otwPij04H6lHya5MYa9dtIIRMJELfJYhkxmALhxOyfercZwqyImOh7gmH1ZtUo9/
5mS+hDKImkNfOQ2PemlymYBtbI05bIpa5ag6VyiCETzzqNzEiInIFZ9h9sg=
-----END CERTIFICATE-----
```

```
.
intermediate cert = -----BEGIN CERTIFICATE-----
MIIDuCCAqACCQD75TKsZ1SEvjANBgkqhkiG9w0BAQUFADCBnTElMAkGA1UEBhMC
WkExEDAObgNVBAgTB0dhdxRlbnmcxFTATBgnVBACtDEpvaGFubmVzYnVyZzEhMB8G
A1UEChMYSW50ZXJ1ZXQgV2lkZ210cyBQdHkgTHRkMRswGQYDVQDExJob3N0Lndp
ZGdpdHMUy28uemExJTAjBgcqhkiG9w0BCQEFmlyb25wb3J0QHdpZGdpdHMUy28u
emEwHhcNMDcwNDA2MTMwOTA4WHcNMDcwNDA2MTMwOTA4WjCBnTElMAkGA1UEBhMC
WkExEDAObgNVBAgTB0dhdxRlbnmcxFTATBgnVBACtDEpvaGFubmVzYnVyZzEhMB8G
A1UEChMYSW50ZXJ1ZXQgV2lkZ210cyBQdHkgTHRkMRswGQYDVQDExJob3N0Lndp
ZGdpdHMUy28uemExJTAjBgcqhkiG9w0BCQEFmlyb25wb3J0QHdpZGdpdHMUy28u
emEwgGgEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQD24eIO1BF1cSMSP1EE
5sN7+za3jT6joS6v1BL0HtlKS4uViwoXivX+JiiHfM7uNLAKetO7gOnZQolJsmae
ucqgBXm2cp10j894XxWioXhZokBM1xy9mZspbMNwILxRMfbXVmFLwhLzm/eG9+Je
wrVuV4RlhJhGx7Yn/Q1vGIkTAmjFOuCQVkrGcIpn14jXPOMJdmpLpw0LUYZ1fRgR
VYPSemKRgQoxZxeEubJw7PVPiTMGgYokIH8ImOD50TRPuzWoEjrobnvnePYIrySjR
yXdnckPGewkB/T3tIkpTkEGJevMZARK/361F5edZjygVYDzfMz7Le1tXYwj80t8w
F0rfAgMBAAEwdQYJKoZIhvcNAQEFBQADggEBAEfFldNxtok5OXqripccxEVhEfai
zCiQqL4hWC9g0PZRyC7PP3DDIuPjrhF67FR/BL6LRxyZNDiBC3d4iQrue6dHPTNT
1Dzm3/3H9cz9CZ5blfg+2opwWa4/FcU8oYTqlArxBfSVRUusZahh/6GIvG+nnPvc
luhYeWZkuuINsrF6urJk3uuX+Amg5/2B7wHcScsTqgif6NeDMuR9MB0lHuTcjiEK
otwPij04H6lHya5MYa9dtIIRMJELfJYhkxmALhxOyfercZwqyImOh7gmH1ZtUo9/
5mS+hDKImkNfOQ2PemlymYBtbI05bIpa5ag6VyiCETzzqNzEiInIFZ9h9sg=
-----END CERTIFICATE-----
```

Currently using one certificate/key for receiving, delivery, HTTPS management access, and LDAP.

Choose the operation you want to perform:  
- SETUP - Configure security certificates and keys.  
[ ]>

**Hinweis:** Weitere Informationen zum Erwerb und zur Installation von Zertifikaten finden Sie im Abschnitt **Zertifikate** im E-Mail-Benutzerhandbuch.

# Zugehörige Informationen

- [AsyncOS E-Mail-Benutzerhandbuch](#)
- [Technischer Support und Dokumentation - Cisco Systems](#)