

ESET Tech Center

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Deny a connection to ESMC Server using revoked custom certificates in Windows

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Issue

- Revoke a certificate in ESET Security Management Center (ESMC)
- You are using an Agent certificate signed by a third-party Certification Authority and you need to revoke the certificate
- Agent certificates signed by a third-party Certification Authority cannot be revoked directly from the ESET Security Management Center (ESMC) Web Console.

Solution

The following abbreviations are used in this Knowledgebase Article:

- CA1 - A third-party Certification Authority (public key) used for signing the Agent certificate AC1
- CA2 - The built-in ESMC Certification Authority (public key)
- CA3 - A third-party Certification Authority used for initial setup of ESMC (optional)
- AC1 - Agent Certificate signed by CA1

Initial setup—already completed. [Proceed to the revoke the custom agent certificate](#) section for the solution to this issue.

Connect ESET Management Agent to ESET Security Management Center (ESMC) Server on Windows using an Agent certificate signed by a third-party Certification Authority

1. Prepare a custom Agent certificate (AC1) and CA public key (CA1) that signed this certificate.
2. Install ESMC Server and Webconsole on Windows Server - either with the built-in certificates and CA2, or using a custom Server certificate and CA3.
3. To import CA1 into ESMC, click **More** → **Certification Authorities** → **Actions** → **Import Public Key**.

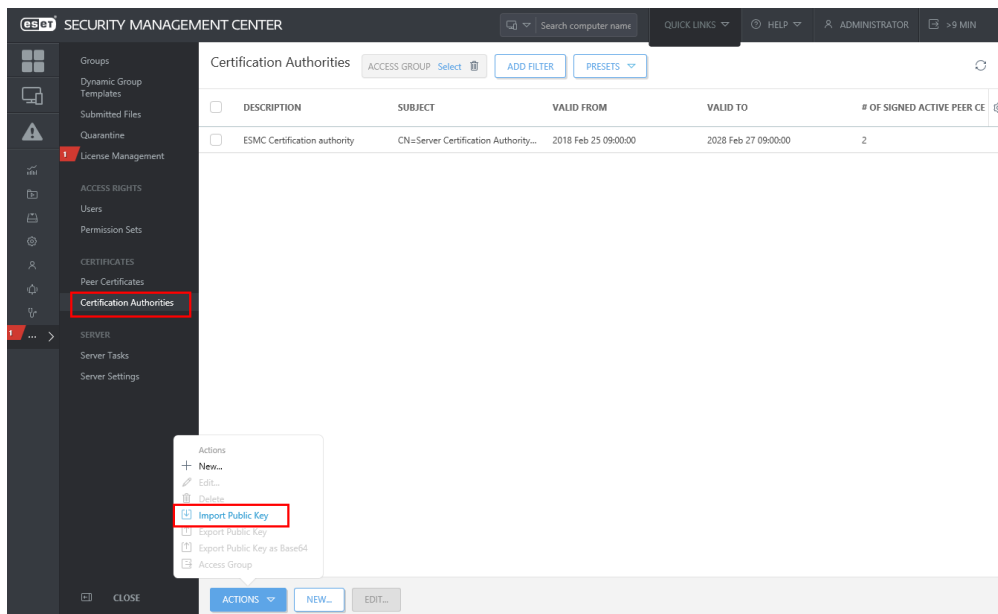


Figure 1-1
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- To export CA2 to a file, click **More** → **Certification Authorities**. Select the CA2, click **Actions** → **Export Public Key**.

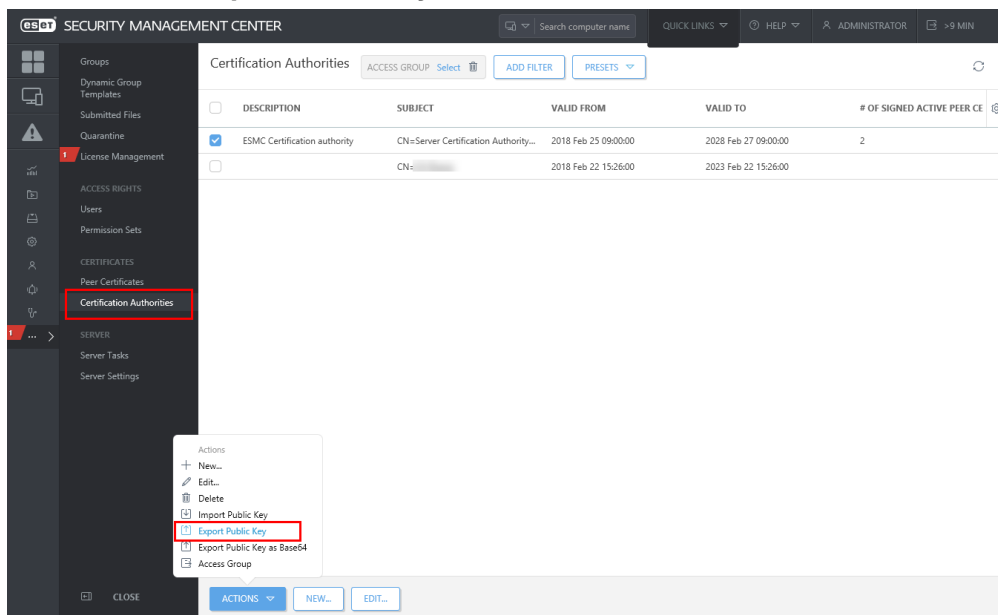


Figure 1-2
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- On a Windows client computer, [install the ESET Management Agent](#).
 - Select [Offline installation](#).
 - Use the CA2 Certification Authority.
 - Use the AC1 Agent Certificate (signed by CA1).

6. Make sure that Agent correctly connects to ESMC Server - the client computer appears in the ESMC Web Console.
7. To revoke the AC1 Agent certificate, proceed to the [revoke the custom agent certificate section](#) for the solution to this issue.

Revoke the custom Agent certificate (AC1)

To revoke the Agent certificate AC1, you need to use third-party software (for example the open-source [xca](#)) to create a certificate revocation list.

1. Import the CA1 and custom Agent certificate and revoke the certificate.
2. Add the custom Agent certificate into a certificate revocation list and export the list as a .crl file.

Import the certificate revocation list to ESMC Server

1. On the ESMC Server computer, open Local Computer Certificate store:

Click **Start** → run **mmc** → **File** → **Add/Remove Snap-in**.

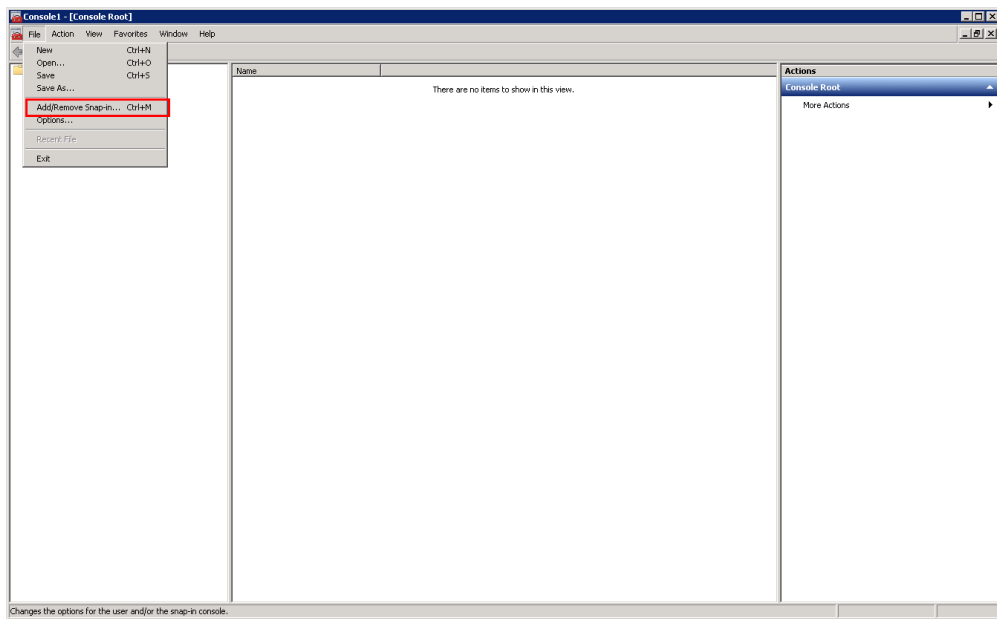


Figure 2-1

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2. Select **Certificates** and click **Add**.

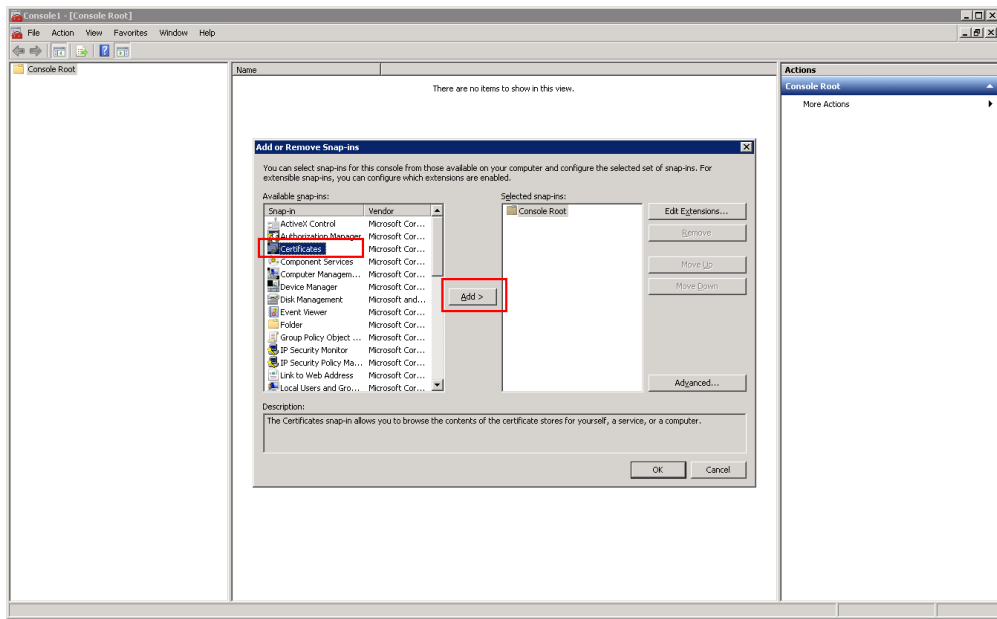


Figure 2-2
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3. Select **Computer account** → **Next** → **Local Computer** → **Finish** and then click **OK**.
4. Right-click the **Trusted Root Certification Authorities** folder and select **All Tasks** → **Import**.

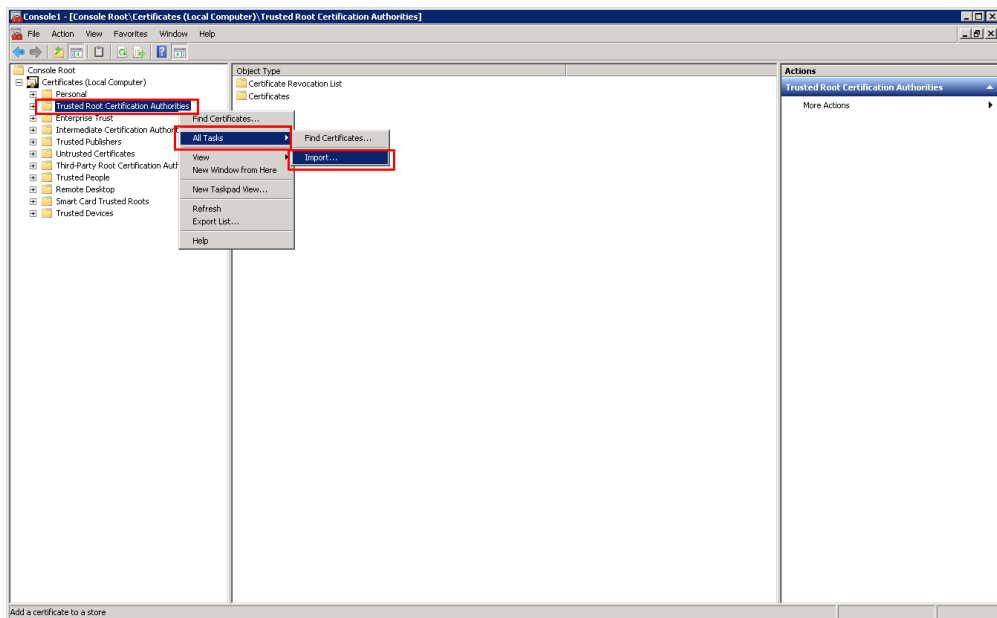


Figure 2-3
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5. Follow the instructions in the wizard to import the certificate revocation list (.crl file).

- Refresh the **mmc** view. The certificate revocation list is now stored in **Trusted Root Certification Authorities→ Certificate Revocation List**.

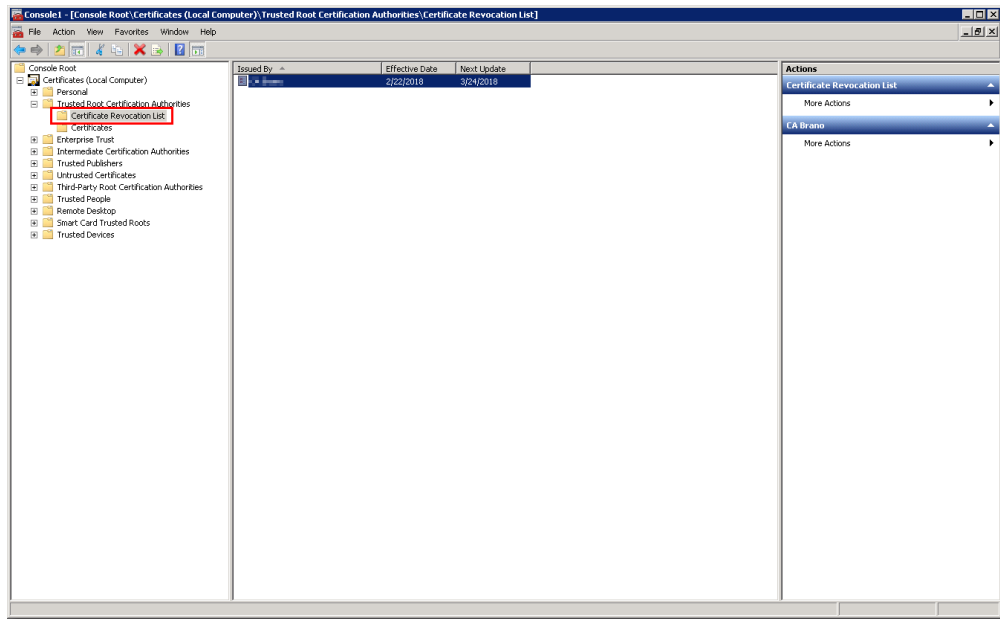


Figure 2-4

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- Restart the ESMC Server service. Agent certificate validation will fail and the Agent will no longer connect to ESMC Server.