



# Use array certificates

SANtricity 11.8

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# Use array certificates

## Import certificates for arrays

If necessary, you can import certificates for the storage arrays so they can authenticate with the system hosting Unified Manager. Certificates can be signed by a certificate authority (CA) or can be self-signed.

### Before you begin

- You must be logged in with a user profile that includes Security admin permissions. Otherwise, certificate functions do not appear.
- If you are importing trusted certificates, the certificates must be imported for the storage array controllers using System Manager.

### Steps

1. Select **Certificate Management**.
2. Select the **Trusted** tab.

This page shows all certificates reported for the storage arrays.

3. Select either **Import > Certificates** to import a CA certificate or **Import > Self-signed storage array certificates** to import a self-signed certificate.

To limit the view, you can use the **Show certificates that are...** filtering field or you can sort the certificate rows by clicking one of the column heads.

4. In the dialog box, select the certificate and then click **Import**.

The certificate is uploaded and validated.

## Delete trusted certificates

You can delete one or more certificates that are no longer needed, such as an expired certificate.

### Before you begin

Import the new certificate before deleting the old one.



Be aware that deleting a root or intermediate certificate can impact multiple storage arrays, since these arrays can share the same certificate files.

### Steps

1. Select **Certificate Management**.
2. Select the **Trusted** tab.
3. Select one or more certificates in the table, and then click **Delete**.



The **Delete** function is not available for pre-installed certificates.

The Confirm Delete Trusted Certificate dialog box opens.

4. Confirm the deletion, and then click **Delete**.

The certificate is removed from the table.

## Resolve untrusted certificates

Untrusted certificates occur when a storage array attempts to establish a secure connection to Unified Manager, but the connection fails to confirm as secure.

From the Certificate page, you can resolve untrusted certificates by importing a self-signed certificate from the storage array or by importing a certificate authority (CA) certificate that has been issued by a trusted third party.

### Before you begin

- You must be logged in with a user profile that includes Security Admin permissions.
- If you plan to import a CA-signed certificate:
  - You have generated a certificate signing request (.CSR file) for each controller in the storage array and sent it to the CA.
  - The CA returned trusted certificate files.
  - The certificate files are available on your local system.

### About this task

You might need to install additional trusted CA certificates if any of the following are true:

- You recently added a storage array.
- One or both certificates are expired.
- One or both certificates are revoked.
- One or both certificates are missing a root or intermediate certificate.

### Steps

1. Select **Certificate Management**.
2. Select the **Trusted** tab.

This page shows all certificates reported for the storage arrays.

3. Select either **Import > Certificates** to import a CA certificate or **Import > Self-Signed storage array certificates** to import a self-signed certificate.

To limit the view, you can use the **Show certificates that are...** filtering field or you can sort the certificate rows by clicking one of the column heads.

4. In the dialog box, select the certificate, and then click **Import**.

The certificate is uploaded and validated.

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