



## **Use access tokens**

### **SANtricity software**

NetApp  
November 03, 2025



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# Use access tokens

## Create access tokens in SANtricity System Manager

You can create an access token to authenticate with the REST API or command line interface (CLI) in place of a username and password.



Tokens do not have passwords, so you must manage them carefully.

### Steps

1. Select **Settings** > **Access Management**.
2. Select the **Access Tokens** tab.
3. Select **View/Edit Access Token Settings**. In the dialog box, make sure that the **Enable access tokens** checkbox is selected. Click **Save** to close out the dialog box.
4. Select **Create Access Token**.
5. In the dialog box, select the duration for the token to be valid.



After the token expires, the user's authentication attempts will fail.

6. Click **Create**.
7. In the dialog box, select one of the following:
  - **Copy** to save the token text to the clipboard.
  - **Download** to save the token text to a file.



Be sure to save the token text. This is your only opportunity to see the text before closing the dialog.

8. Click **Close**.
9. Use the token as follows:
  - **Rest API:** To use a token in a REST API request, add an HTTP header to your requests. For example:  
`Authorization: Bearer <access-token-value>`
  - **Secure CLI:** To use a token in the CLI, add the token value on the command line or use the path to a file containing the token value. For example:
    - Token value on the command line: `-t access-token-value`
    - Path to a file containing the token value: `-T access-token-file`



The CLI prompts the user for an access token value on the command line if no username, password, or token is specified.

## Edit access token settings in SANtricity System Manager

You can edit settings for access tokens, which includes the expiration times and the ability to create new tokens.



## Steps

1. Select **Settings > Access Management**.
2. Select the **Access Tokens** tab.
3. Select **View/Edit Access Token Settings**.
4. In the dialog box, you can perform one or both of these tasks:
  - Enable or disable token creation.
  - Change the expiration of existing tokens.



When you de-select the **Enable access tokens** setting, it prevents both token creation and token authentication. If you later re-enable this setting, unexpired tokens can be re-used. If you want to permanently revoke all existing tokens, see [Revoke access tokens](#).

5. Click **Save**.

## Revoke access tokens in SANtricity System Manager

You can revoke all access tokens if you determine that a token has been compromised or if you want to perform a manual key rotation for the cryptographic keys used to sign and validate the access tokens.

This operation regenerates the keys used to sign the tokens. Once the keys are reset, *all* issued tokens are immediately invalidated. Because the storage array does not track tokens, individual tokens cannot be revoked.

## Steps

1. Select **Settings > Access Management**.
2. Select the **Access Tokens** tab.
3. Select **Revoke All Access Tokens**.
4. In the dialog box, click **Yes**.

After revoking all tokens, you can create new tokens and use them immediately.



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