



Use access tokens

SANtricity software

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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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