



Gather Pre-requisites For CVO and Connector Deployments

NetApp Solutions

NetApp
October 20, 2023

This PDF was generated from https://docs.netapp.com/us-en/netapp-solutions/automation/authentication_tokens.html on October 20, 2023. Always check docs.netapp.com for the latest.

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NetApp Solution Automation

AWS Authentication Requirements for CVO and Connector Using NetApp Cloud Manager

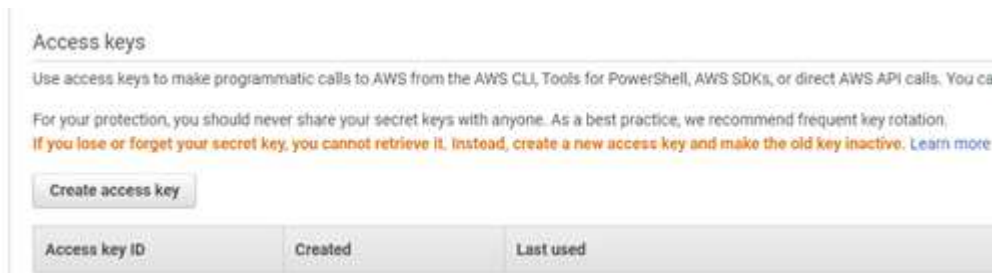
To configure automated Deployments of CVO and Connectors using Ansible playbooks via AWX/Ansible Tower, the following information is needed:

Acquiring Access/Secret Keys from AWS

1. To deploy CVO and Connector in Cloud Manager, we need AWS Access/Secret Key. Acquire the keys in AWS console by launching IAM→Users→your username→security credentials→Create Access key.
2. Copy access keys and keep them secured to use in Connector and CVO deployment.



If you lose your key, you can create another access key and delete the one you lost



Acquiring Refresh Token from NetApp Cloud Central

1. Login into your cloud central account using your account credentials at <https://services.cloud.netapp.com/refresh-token>
2. Generate a refresh Token and save it for deployments.

Refresh Token Generator

You can use this refresh token to obtain an access tokens for users. Store this refresh token securely. If necessary, you can revoke the token at a later time by navigating to the [Refresh Token Generator](#).

Note that this token is displayed on this page only—it is not stored on our servers. The token will no longer be displayed if you refresh or leave this page.

REFRESH TOKEN:

Copy to clipboard

EAafPTMCuu4QJl9hR2PTRT75Lswr0fHp4BheEjT2XFst

Acquiring Client ID

1. Access the API page to copy Client ID at <https://services.cloud.netapp.com/developer-hub>.
2. Click on "learn How to Authenticate", in the top right corner.
3. From the Authentication window that pops up, copy the Client ID from Regular Access if you require a username/password to login. Federated users with SSO should copy the client ID from the "Refresh Token

Tab".

Authentication Information

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NetApp Cloud Central Services use OAuth 2.0, an industry-standard protocol, for authorization.

Communicating with an authenticated endpoint is a two step-process.

1. Acquire a JWT access token from the OAuth token endpoint.
2. Call an API endpoint with the JWT access token.

Non-federated users can use regular access or refresh token access, federated users must use refresh token access.

[Regular Access](#) Refresh Token Access (Required for federated users)

How to Acquire a JWT Access Token via regular token access


1. Make an HTTP POST request to the endpoint

`https://netapp-cloud-account.auth0.com/oauth/token`

Include the header Content-Type: application/json

Include the body:

```
{
  "grant_type": "password",
  "username": "YOUR_EMAIL_ADDRESS",
  "password": "YOUR_PASSWORD",
  "audience": "https://api.cloud.netapp.com",
  "client_id": 
}
```

 Copy to clipboard

Acquiring Key Pair from AWS

1. In AWS console, search for "Key Pair" and create a key pair with "pem". Remember the name of you key_pair, we will use it to deploy the connector.

EC2 > Key pairs > Create key pair

Create key pair

Key pair
A key pair, consisting of a private key and a public key, is a set of security credentials that you use to prove your identity when connecting to an instance.

Name:

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Private key file format
☒ pem
For use with OpenSSH
☐ ppk
For use with PuTTY

Tags (Optional)
No tags associated with the resource.


You can add 50 more tags.

Acquiring Account ID

1. In Cloud Manager, click on Account → Manage Accounts and then copy the account id for use in variables for AWX.

account-LwOlqR76

Account ID



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