# NetApp

# Cloning and restoring an app

## Astra Automation

NetApp
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# Cloning and restoring an app

## Clone a managed app

You can create a new application by cloning an existing managed app.

**Before you begin**

Note the following about this workflow:

- An app backup or snapshot is not used
- The clone operation is performed within the same cluster

> ⓘ  To clone an app to a different cluster, you need to update the `clusterId` parameter in the JSON input as appropriate for your environment.

**1. Select the managed app to clone**

Perform the workflow List the managed apps and select application you want to clone. Several of the resource values are needed for the REST call used to clone the app.

**2. Clone the app**

Perform the following REST API call.

| HTTP method | Path |
|---|---|
| POST | /account/{account_id}/k8s/v1/managedApps |

**Additional input parameters**

In addition to the parameters common with all REST API calls, the following parameters are also used in the curl examples for this step.

| Parameter | Type | Required | Description |
|---|---|---|---|
| JSON | Body | Yes | Provides the parameters for the cloned app. See the example below. |

**JSON input example**

```
{
  "type": "application/astra-managedApp",
  "version": "1.0",
  "name": "postgres1-postgresql-clone",
  "clusterID": "30880586-d579-4d27-930f-a9633e59173b",
  "sourceClusterID": "30880586-d579-4d27-930f-a9633e59173b",
  "namespace": "davidns-postgres-app",
  "sourceAppID": "e591ee59-ea90-4a9f-8e6c-d2b6e8647096"
}
```

**Curl example: Clone an app**

```
curl --location -i --request POST
'https://astra.netapp.io/accounts/<ACCOUNT_ID>/k8s/v1/managedApps'
--header 'Content-Type: application/astra-managedApp+json' --header '*/*'
--header 'Authorization: Bearer <API_TOKEN>' --d @JSONinput
```

# Clone a managed app from a snapshot

You can create a new application by cloning it from an app snapshot.

**Before you begin**

Note the following about this workflow:

- An app snapshot is used
- The clone operation is performed within the same cluster

> (i) To clone an app to a different cluster, you need to update the `clusterId` parameter in the JSON input as appropriate for your environment.

**1. Select the managed app to clone**

Perform the workflow List the managed apps and select application you want to clone. Several of the resource values are needed for the REST call used to clone the app.

**2. Select the snapshot to use**

Perform the workflow List the snapshots and select snapshot you want to use.

**3. Clone the app**

Perform the following REST API call.

| HTTP method | Path |
|---|---|
| POST | /account/{account_id}/k8s/v1/managedApps |

## Additional input parameters

In addition to the parameters common with all REST API calls, the following parameters are also used in the curl examples for this step.

| Parameter | Type | Required | Description |
|---|---|---|---|
| JSON | Body | Yes | Provides the parameters for the cloned app. See the example below. |

## JSON input example

```
{
  "type": "application/astra-managedApp",
  "version": "1.0",
  "name": "postgres1-postgresql-clone",
  "clusterID": "30880586-d579-4d27-930f-a9633e59173b",
  "sourceClusterID": "30880586-d579-4d27-930f-a9633e59173b",
  "namespace": "davidns-postgres-app",
  "snapshotID": "e24515bd-a28e-4b28-b832-f3c74dbf32fb",
  "sourceAppID": "e591ee59-ea90-4a9f-8e6c-d2b6e8647096"
}
```

## Curl example: Clone an app from a snapshot

```
curl --location -i --request POST
'https://astra.netapp.io/accounts/<ACCOUNT_ID>/k8s/v1/managedApps'
--header 'Content-Type: application/astra-managedApp+json' --header '*/*'
--header 'Authorization: Bearer <API_TOKEN>' --d @JSONinput
```

# Clone a managed app from a backup

You can create a new managed application by cloning it from an app backup.

## Before you begin

Note the following about this workflow:

- An app backup is used
- The clone operation is performed within the same cluster

> ⓘ To clone an app to a different cluster, you need to update the `clusterId` parameter in the JSON input as appropriate for your environment.

## 1. Select the managed app to clone

Perform the workflow List the managed apps and select application you want to clone. Several of the resource values are needed for the REST call used to clone the app.

## 2. Select the backup to use

Perform the workflow List the backups and select backup you want to use.

## 3. Clone the app

Perform the following REST API call.

| HTTP method | Path |
|-------------|------|
| POST | /account/{account_id}/k8s/v1/managedApps |

**Additional input parameters**

In addition to the parameters common with all REST API calls, the following parameters are also used in the curl examples for this step.

| Parameter | Type | Required | Description |
|-----------|------|----------|-------------|
| JSON | Body | Yes | Provides the parameters for the cloned app. See the example below. |

**JSON input example**

```
{
  "type": "application/astra-managedApp",
  "version": "1.0",
  "name": "postgres1-postgresql-clone",
  "clusterID": "30880586-d579-4d27-930f-a9633e59173b",
  "sourceClusterID": "30880586-d579-4d27-930f-a9633e59173b",
  "namespace": "davidns-postgres-app",
  "backupID": "e24515bd-a28e-4b28-b832-f3c74dbf32fb",
  "sourceAppID": "e591ee59-ea90-4a9f-8e6c-d2b6e8647096"
}
```

**Curl example: Clone an app from a backup**

```
curl --location -i --request POST
'https://astra.netapp.io/accounts/<ACCOUNT_ID>/k8s/v1/managedApps'
--header 'Content-Type: application/astra-managedApp+json' --header '*/*'
--header 'Authorization: Bearer <API_TOKEN>' --d @JSONinput
```

# Restore a managed app from a backup

You can restore a managed application by creating a new app from a backup.

### 1. Select the managed app to restore

Perform the workflow List the managed apps and select application you want to clone. Several of the resource values are needed for the REST call used to clone the app.

### 2. Select the backup to use

Perform the workflow List the backups and select backup you want to use.

### 3. Restore the app

Perform the following REST API call. You must provide the ID for either a backup (as shown below) or snapshot.

| HTTP method | Path |
|---|---|
| PUT | /account/{account_id}/k8s/v1/managedApps/{app_id} |

**Additional input parameters**

In addition to the parameters common with all REST API calls, the following parameters are also used in the curl examples for this step.

| Parameter | Type | Required | Description |
|---|---|---|---|
| JSON | Body | Yes | Provides the parameters for the cloned app. See the example below. |

**JSON input example**

```
{
  "type": "application/astra-managedApp",
  "version": "1.2",
  "backupID": "e24515bd-a28e-4b28-b832-f3c74dbf32fb"
}
```

**Curl example: Restore an app in place from a backup**

```
curl --location -i --request PUT
'https://astra.netapp.io/accounts/<ACCOUNT_ID>/k8s/v1/managedApps/<APP_ID>
' --header 'Content-Type: application/astra-managedApp+json' --header
'*/*' --header 'ForceUpdate: true' --header 'Authorization: Bearer
<API_TOKEN>' --d @JSONinput
```

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