



# Cloning and restoring an app

Astra Automation

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# Cloning and restoring an app

## Clone an app

You can create a new application by cloning an existing 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
- The new app is placed in a different namespace



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

### Step 1: Select the app to clone

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

### Step 2: Clone the app

Perform the following REST API call to clone the app.

#### HTTP method and endpoint

This REST API call uses the following method and endpoint.

HTTP method	Path
POST	/accounts/{account_id}/k8s/v2/apps

#### 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.

## Curl example: Clone an app

```
curl --request POST \
--location "https://astra.netapp.io/accounts/$ACCOUNT_ID/k8s/v2/apps" \
--include \
--header "Content-Type: application/astra-app+json" \
--header "Accept: */*" \
--header "Authorization: Bearer $API_TOKEN" \
--data @JSONinput
```

## JSON input example

```
{
  "type": "application/astra-app",
  "version": "2.0",
  "name": "mysql-clone",
  "clusterID": "30880586-d579-4d27-930f-a9633e59173b",
  "sourceClusterID": "30880586-d579-4d27-930f-a9633e59173b",
  "namespace": "mysql-ns",
  "sourceAppID": "e591ee59-ea90-4a9f-8e6c-d2b6e8647096"
}
```

# Clone an app from a snapshot

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

## Before you begin

Note the following about this workflow:

- An app snapshot 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.

## Step 1: Select the app to clone

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

## Step 2: Select the snapshot to use

Perform the workflow [List the snapshots](#) and select snapshot you want to use.

## Step 3: Clone the app

Perform the following REST API call.

### HTTP method and endpoint

This REST API call uses the following method and endpoint.

HTTP method	Path
POST	/accounts/{account_id}/k8s/v2/apps

### 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.

### Curl example: Clone an app from a snapshot

```
curl --request POST \
--location "'https://astra.netapp.io/accounts/$ACCOUNT_ID/k8s/v2/apps'" \
--include \
--header "Content-Type: application/astra-app+json" \
--header "Accept: */*" \
--header "Authorization: Bearer $API_TOKEN" \
--data @JSONinput
```

### JSON input example

```
{
  "type": "application/astra-app",
  "version": "2.0",
  "name": "mysql-clone2",
  "clusterID": "30880586-d579-4d27-930f-a9633e59173b",
  "sourceClusterID": "30880586-d579-4d27-930f-a9633e59173b",
  "namespace": "mysql",
  "snapshotID": "e24515bd-a28e-4b28-b832-f3c74dbf32fb"
}
```

## Clone an app from a backup

You can create a new application by cloning it from a 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.

### Step 1: Select the app to clone

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

### Step 2: Select the backup to use

Perform the workflow [List the backups](#) and select backup you want to use.

### Step 3: Clone the app

Perform the following REST API call.

#### HTTP method and endpoint

This REST API call uses the following method and endpoint.

HTTP method	Path
POST	/accounts/{account_id}/k8s/v2/qpps

#### 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.

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

```
curl --request POST \
--location "https://astranetapp.io/accounts/$ACCOUNT_ID/k8s/v2/apps" \
--include \
--header "Content-Type: application/astra-app+json" \
--header "Accept: */*" \
--header "Authorization: Bearer $API_TOKEN" \
--data @JSONinput
```

## JSON input example

```
{  
  "type": "application/astra-app",  
  "version": "2.0",  
  "name": "mysql-clone3",  
  "clusterID": "30880586-d579-4d27-930f-a9633e59173b",  
  "sourceClusterID": "30880586-d579-4d27-930f-a9633e59173b",  
  "namespace": "mysql",  
  "backupID": "e24515bd-a28e-4b28-b832-f3c74dbf32fb"  
}
```

## Restore an app from a backup

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

### Step 1: Select the app to restore

Perform the workflow [List the apps](#) and select application you want to clone. Several of the resource values are needed for the REST call used to restore the app.

### Step 2: Select the backup to use

Perform the workflow [List the backups](#) and select backup you want to use.

### Step 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 and endpoint

This REST API call uses the following method and endpoint.

HTTP method	Path
PUT	/accounts/{account_id}/k8s/v2/apps/{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.

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

```
curl --request PUT \
--location
"https://astra.netapp.io/accounts/$ACCOUNT_ID/k8s/v2/apps/$APP_ID" \
--include \
--header "Content-Type: application/astra-app+json" \
--header "ForceUpdate: true" \
--header "Accept: */*" \
--header "Authorization: Bearer $API_TOKEN" \
--data @JSONinput
```

### JSON input example

```
{
  "type": "application/astra-app",
  "version": "2.0",
  "backupID": "e24515bd-a28e-4b28-b832-f3c74dbf32fb"
}
```

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