



# 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.

### 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.

### 2. Clone the app

Perform the following REST API call to clone the app.

| 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. |

### 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"
}
```

### Curl example: Clone an app

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

## 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.

### 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.

### 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        | /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. |

### 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"
}
```

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

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

## 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.

## 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.

## 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        | /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. |

### 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"
}
```

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

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

# Restore an app from a backup

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

## 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.

## 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         | /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. |

### JSON input example

```
{
  "type": "application/astra-app",
  "version": "2.0",
  "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/v2/apps/<APP_ID>'
--header 'Content-Type: application/astra-app+json' --header '*/*'
--header 'ForceUpdate: true' --header 'Authorization: Bearer <API_TOKEN>'
--data @JSONinput
```

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