



App protection

Astra Automation

NetApp
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App protection

List the snapshots

You can list the snapshots that have been taken for a specific managed application.

Before you begin

You must have the ID of the managed app you want to list the snapshots for. If needed you can use the workflow [List the managed apps](#) to locate the application.

1. List the snapshots

Perform the following REST API call.

| HTTP method | Path |
|-------------|--|
| GET | /accounts/{account_id}/k8s/v1/managedApps/{managedApp_id}/appSnaps |

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 |
|----------------|-------|----------|---|
| managed app id | Path | Yes | Identifies the managed application owning the listed snapshots. |
| count | Query | No | If <code>count=true</code> the number of snapshots is included in the metadata section of the response. |

Curl example: Return all snapshots for the app

```
curl --location -i --request GET
'https://astra.netapp.io/accounts/<ACCOUNT_ID>/k8s/v1/managedApps/<MANAGED_APP_ID>/appSnaps' --header 'Accept: */*' --header 'Authorization: Bearer <API_TOKEN>'
```

Curl example: Return all snapshots for the app and the count

```
curl --location -i --request GET
'https://astra.netapp.io/accounts/<ACCOUNT_ID>/k8s/v1/managedApps/<MANAGED_APP_ID>/appSnaps?count=true' --header 'Accept: */*' --header 'Authorization: Bearer <API_TOKEN>'
```

JSON output example

```
{
  "items": [
    {
      "id": "dc2974ae-f71d-4c81-91b5-f96cf72dc3ba",
      "metadata": {
        "createdBy": "fb093413-b6fc-4a64-a48a-afc32ada8537",
        "creationTimestamp": "2021-06-04T21:23:14Z",
        "modificationTimestamp": "2021-06-04T21:23:14Z",
        "labels": []
      },
      "snapshotAppAsset": "4547658d-cc06-4c1d-ad8a-4a05274d0db0",
      "snapshotCreationTimestamp": "2021-06-04T21:23:47Z",
      "name": "test-postgres-app-snapshot-20210604212213",
      "state": "completed",
      "stateUnready": [],
      "type": "application/astra-appSnap",
      "version": "1.0"
    }
  ],
  "metadata": {
    "count": 1
  }
}
```

List the backups

You can list the backups that have been created for a specific managed application.

Before you begin

You must have the ID of the managed app you want to list the backups for. If needed you can use the workflow [List the managed apps](#) to locate the application.

1. List the backups

Perform the following REST API call.

| HTTP method | Path |
|-------------|--|
| GET | /accounts/{account_id}/k8s/v1/managedApps/{managedApp_id}/appBackups |

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 |
|----------------|------|----------|---|
| managed app id | Path | Yes | Identifies the managed application owning the listed backups. |

Curl example: Return all backups for the app

```
curl --location -i --request GET
'https://astra.netapp.io/accounts/<ACCOUNT_ID>/k8s/v1/managedApps/<MANAGED_APP_ID>/appBackups' --header 'Accept: */*' --header 'Authorization: Bearer <API_TOKEN>'
```

JSON output example

```
{
  "items": [
    {
      "type": "application/astra-appBackup",
      "version": "1.0",
      "id": "ed39fdb0-12db-497b-9e46-20036c1fb0d2",
      "name": "mariadb-mariadb-backup-20210617175900",
      "state": "completed",
      "stateUnready": [],
      "bytesDone": 0,
      "percentDone": 100,
      "metadata": {
        "labels": [],
        "creationTimestamp": "2021-06-17T17:59:09Z",
        "modificationTimestamp": "2021-06-17T17:59:09Z",
        "createdBy": "fb093413-b6fc-4a64-a48a-afc32ada8537"
      }
    }
  ],
  "metadata": {}
}
```

Create a snapshot for a managed app

You can create a snapshot for a specific managed application.

Before you begin

You must have the ID of the managed app you want to create a snapshot for. If needed you can use the workflow [List the managed apps](#) to locate the application.

1. Create a snapshot

Perform the following REST API call.

| HTTP method | Path |
|-------------|--|
| POST | /accounts/{account_id}/k8s/v1/managedApps/{managedApp_id}/appSnaps |

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 |
|----------------|------|----------|--|
| managed app id | Path | Yes | Identifies the managed application where the snapshot will be created. |
| JSON | Body | Yes | Provides the parameters for the snapshot. See the example below. |

JSON input example

```
{
  "type": "application/astra-appSnap",
  "version": "1.0",
  "name": "snapshot-david-1"
}
```

Curl example: Create a snapshot for the app

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

Create a backup for a managed app

You can create a backup for a specific managed application. You can use the backup to restore or clone the app.

Before you begin

You must have the ID of the managed app you want to create a backup for. If needed you can use the workflow [List the managed apps](#) to locate the application.

1. Create a backup

Perform the following REST API call.

| HTTP method | Path |
|-------------|--|
| POST | /accounts/{account_id}/k8s/v1/managedApps/{managedApp_id}/appBackups |

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 |
|----------------|------|----------|--|
| managed app id | Path | Yes | Identifies the managed application where the backup will be created. |
| JSON | Body | Yes | Provides the parameters for the backup. See the example below. |

JSON input example

```
{
  "type": "application/astra-appBackup",
  "version": "1.0",
  "name": "backup-david-1"
}
```

Curl example: Create a backup for the app

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

Delete a snapshot

You can delete a snapshot associated with a managed application.

Before you begin

You must have the following:

- ID of the managed app that owns the snapshot. If needed you can use the workflow [List the managed apps](#) to locate the application.
- ID of the snapshot you want to delete. If needed you can use the workflow [List the snapshots](#) to locate the

snapshot.

1. Delete the snapshot

Perform the following REST API call.

| HTTP method | Path |
|-------------|---|
| DELETE | /accounts/{account_id}/k8s/v1/managedApps/{managedApp_id}/appSnaps/{appSnapshot_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 |
|----------------|------|----------|---|
| managed app id | Path | Yes | Identifies the managed application owning the snapshot. |
| snapshot id | Path | Yes | Identifies the snapshot to be deleted. |

Curl example: Delete a single snapshot for the app

```
curl --location -i --request DELETE
'https://astra.netapp.io/accounts/<ACCOUNT_ID>/k8s/v1/managedApps/<MANAGED_APP_ID>/appSnaps/<SNAPSHOT_ID>' --header 'Accept: */*' --header
'Authorization: Bearer <API_TOKEN>'
```

Delete a backup

You can delete a backup associated with a managed application.

Before you begin

You must have the following:

- ID of the managed app that owns the backup. If needed you can use the workflow [List the managed apps](#) to locate the application.
- ID of the backup you want to delete. If needed you can use the workflow [List the backups](#) to locate the snapshot.

1. Delete the backup

Perform the following REST API call.



You can force the deletion of a failed backup using the optional request header as described below.

| HTTP method | Path |
|-------------|---|
| DELETE | /accounts/{account_id}/k8s/v1/managedApps/{managedApp_id}/appBackups/{appBackup_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 |
|----------------|--------|----------|---|
| managed app id | Path | Yes | Identifies the managed application owning the backup. |
| backup id | Path | Yes | Identifies the backup to be deleted. |
| force delete | Header | No | Used to force the deletion of a failed backup. |

Curl example: Delete a single backup for the app

```
curl --location -i --request DELETE
'https://astra.netapp.io/accounts/<ACCOUNT_ID>/k8s/v1/managedApps/<MANAGED_APP_ID>/appBackups/<BACKUP_ID>' --header 'Accept: */*' --header
'Authorization: Bearer <API_TOKEN>'
```

Curl example: Delete a single backup for the app with the force option

```
curl --location -i --request DELETE
'https://astra.netapp.io/accounts/<ACCOUNT_ID>/k8s/v1/managedApps/<MANAGED_APP_ID>/appBackups/<BACKUP_ID>' --header 'Accept: */*' --header
'Authorization: Bearer <API_TOKEN>' --header 'Force-Delete: true'
```

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