App control

Astra Automation

NetApp
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App control

List the apps

You can list the applications that are currently managed by Astra. You might do this as part of finding the snapshots or backups for a specific app.

1. List the applications

Perform the following REST API call.

HTTP method	Path
GET	/account/{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
include	Query	No	Optionally select the values you want returned in the response.

Curl example: Return all data for all apps

```
curl --location -i --request GET
'https://astra.netapp.io/accounts/<ACCOUNT_ID>/k8s/v2/apps' --header
'Accept: */*' --header 'Authorization: Bearer <API_TOKEN>'
```

Curl example: Return the name, id, and state for all apps

```
curl --location -i --request GET
'https://astra.netapp.io/accounts/<ACCOUNT_ID>/k8s/v2/apps?include=name,id
,state' --header 'Accept: */*' --header 'Authorization: Bearer
<API_TOKEN>'
```

JSON output example

```
{
    "items": [
        [
            "mysql",
            "4ee2b8fa-3696-4f32-8879-399792f477c3",
            "ready"
        ],
        [
            "postgresql",
            "3b984474-e5c9-4b64-97ee-cdeb9bcd212e",
            "ready"
        ],
    ],
    "metadata": {}
}
```


Get an app

You can retrieve all the resource variables describing a single application.

Before you begin

You must have the ID of the app you want to retrieve. If needed you can use the workflow List the apps to locate the application.

1. Get the application

Perform the following REST API call.

HTTP method	Path
GET	/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
app id	Path	Yes	ID value of the application to retrieve.

Curl example: Return all data for the application

```
curl --location -i --request GET
'https://astra.netapp.io/accounts/<ACCOUNT_ID>/k8s/v2/apps/<APP_ID>'
--header 'Accept: */*' --header 'Authorization: Bearer <API_TOKEN>'
```

Manage an app

You can create a managed application based on an application already known to Astra in a specific namespace. When an application is managed or defined to Astra, you can protect it by taking backups and snapshots.

1. Select the namespace

Perform the workflow List the namespaces and select the namespace.

2. Select the cluster

Perform the workflow List the clusters and select the cluster.

3. Manage the application

Perform the following REST API call to manage the application.

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 needed to identify the application to be managed. See the example below.

JSON input example

```
{
  "clusterID": "7ce83fba-6aa1-4e0c-a194-26e714f5eb46",
  "name": "subtext",
  "namespaceScopedResources": [{"namespace": "kube-matrix"}],
  "type": "application/astra-app",
  "version": "2.0"
}
```

Curl example: Manage 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 'Accept: */*' --header
'Authorization: Bearer <API_TOKEN>'  --data @JSONinput
```

Unmanage an app

You can remove a managed app when it's no longer needed. Removing a managed application also deletes the associated schedules.

Before you begin

You must have the ID of the app you want to unmanage. If needed you can use the workflow List the apps to locate the application.

The application's backups and snapshots are not automatically removed when it is deleted. If you no longer need the backups and snapshots, you should delete them before removing the application.

1. Unmanaged the app

Perform the following REST API call to remove the app.

HTTP method	Path
DELETE	/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
app id	Path	Yes	Identifies the application to remove.

Curl example: Remove a managed app

```
curl --location -i --request DELETE
'https://astra.netapp.io/accounts/<ACCOUNT_ID>/k8s/v2/apps/<APP_ID>'
--header 'Accept: */*' --header 'Authorization: Bearer <API_TOKEN>'
```

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