App control

Astra Automation

NetApp
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App control

List the unmanaged apps

You can list the applications that are currently not managed by Astra. You might do this as part of selecting an app to be managed.

> The REST endpoint used in these workflows returns all the Astra applications by default. You can use the `filter` query parameter on the API call to request only the unmanaged apps be returned. As an alternative, you can omit the filter parameter to return all the apps and then examine the `managedState` field in the output to determine which apps are in the `unmanaged` state.

List only the apps with managedState equal to unmanaged

This workflow uses the `filter` query parameter to return only the unmanaged apps.

1. List the unmanaged applications

Perform the following REST API call.

HTTP method	Path
GET	/account/{accountID}/topology/v1/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
filter	Query	No	Use a filter to specify which apps should be returned.
include	Query	No	Optionally select the values you want returned in the response.

Curl example: Return the name, id, and managedState for the unmanaged apps

```
curl --location -i --request GET
'https://astra.netapp.io/accounts/<ACCOUNT_ID>/topology/v1/apps?filter=man
agedState%20eq%20'unmanaged'&include=name,id,managedState' --header
'Accept: */*' --header 'Authorization: Bearer <API_TOKEN>'
```

JSON output example

```
{
  "items": [
    [
      "maria",
      "eed19f78-0884-4792-bb7a-313258c6b0b1",
      "unmanaged"
    ],
    [
      "test-postgres-app",
      "1ee6235b-cda1-45cb-8d4c-630bdb8b41a5",
      "unmanaged"
    ],
    [
      "postgres1-postgresql",
      "e591ee59-ea90-4a9f-8e6c-d2b6e8647096",
      "unmanaged"
    ],
    [
      "kube-system",
      "077a2f73-4b51-4d04-8c6c-f63b3b069755",
      "unmanaged"
    ],
    [
      "trident",
      "5b6fc28f-e308-4653-b9d2-6d66a764d2e1",
      "unmanaged"
    ],
    [
      "postgres1-postgresql-clone",
      "06be05c5-763e-4d73-bd06-1f27f5f2e130",
      "unmanaged"
    ]
  ],
  "metadata": {}
}
```


List all the apps and select the unmanaged apps

This workflow returns all the apps. You must examine the output to determine which are unmanaged.

1. List all the applications

Perform the following REST API call.

HTTP method	Path
GET	/account/{accountID}/topology/v1/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>/topology/v1/apps' --header
'Accept: */*' --header 'Authorization: Bearer <API_TOKEN>'
```

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

```
curl --location -i --request GET
'https://astra.netapp.io/accounts/<ACCOUNT_ID>/topology/v1/apps?include=na
me,id,managedState' --header 'Accept: */*' --header 'Authorization: Bearer
<API_TOKEN>'
```

JSON output example

```
{
  "items": [
    [
      "maria",
      "eed19f78-0884-4792-bb7a-313258c6b0b1",
      "unmanaged"
    ],
    [
      "mariadb-mariadb",
      "8da20fff-c69c-4170-bb0d-e4f91c5a1333",
      "managed"
    ],
    [
      "test-postgres-app",
      "1ee6235b-cda1-45cb-8d4c-630bdb8b41a5",
      "unmanaged"
    ],
    [
      "postgres1-postgresql",
      "e591ee59-ea90-4a9f-8e6c-d2b6e8647096",
      "unmanaged"
    ],
    [
      "kube-system",
      "077a2f73-4b51-4d04-8c6c-f63b3b069755",
      "unmanaged"
    ],
    [
      "trident",
      "5b6fc28f-e308-4653-b9d2-6d66a764d2e1",
      "unmanaged"
    ],
    [
      "postgres1-postgresql-clone",
      "06be05c5-763e-4d73-bd06-1f27f5f2e130",
      "unmanaged"
    ],
    [
      "davidns-postgres-app",
      "11e046b7-ec64-4184-85b3-debcc3b1da4d",
      "managed"
    ]
  ],
  "metadata": {}
}
```

2. Select the unmanaged applications

Review the output of the API call and manually select the apps with `managedState` equal to `unmanaged`.

List the managed 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/{accountID}/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
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/v1/managedApps'
--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/v1/managedApps?include=
name,id,state' --header 'Accept: */*' --header 'Authorization: Bearer
<API_TOKEN>'
```

JSON output example

```
{
  "items": [
    [
      "test-postgres-app",
      "1ee6235b-cda1-45cb-8d4c-630bdb8b41a5",
      "running"
    ]
  ],
  "metadata": {}
}
```


Get a managed app

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

Before you begin

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

1. Get the application

Perform the following REST API call.

HTTP method	Path
GET	/accounts/{account_id}/k8s/v1/managedApps/{managedApp_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	ID value of the managed application to retrieve.

Curl example: Return all data for the application

```
curl --location -i --request GET
'https://astra.netapp.io/accounts/<ACCOUNT_ID>/k8s/v1/managedApps/<MANAGED
_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. When an application is managed, you can protect it by taking regular backups and snapshots.

Before you begin

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

1. Manage the application

Perform the following REST API call.

HTTP method	Path
POST	/account/{accountID}/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 needed to identify the application to be managed. See the example below.

JSON input example

```
{
  "type": "application/astra-managedApp",
  "version": "1.1",
  "id": "7da20fff-c69d-4270-bb0d-a4f91c5a1333"
}
```

Curl example: Manage 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
'Accept: */*' --header 'Authorization: Bearer <API_TOKEN>'  --d @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 managed app you want to unmanage. If needed you can use the workflow List the managed 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.

HTTP method	Path
DELETE	/accounts/{account_id}/k8s/v1/managedApps/{managedApp_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 to remove.

Curl example: Remove a managed app

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