



Execution Hook

Astra Automation

NetApp
March 07, 2024

Inhalt

- Execution Hook 1
 - Execution Hook overview 1
 - Create a new execution hook 1
 - List all execution hooks 16
 - Retrieve an execution hook 30
 - Modify an execution hook 42
 - Delete an execution hook 52
 - Create a new execution hook for an app 55
 - List the execution hooks for an app 70
 - Retrieve an execution hook for an app 85
 - Modify an execution hook for an app 97
 - Delete an execution hook for an app 107

Execution Hook

Execution Hook overview

The Execution Hook API enables simple management of execution hooks. Execution hooks contain additional configuration and references to a hook source resource.

Create a new execution hook

POST `/accounts/{account_id}/core/v1/executionHooks`

Indicates the desired values for the Execution Hook API resource to be created.

Parameters

Name	Type	In	Required	Description
account_id	string	path	True	ID of the containing account resource <ul style="list-style-type: none">example: {{.Account}}

Request Body

Indicates the desired values for the Execution Hook API resource to be created.

Name	Type	Required	Description
type	string	True	Media type of the resource. Defined values are: <ul style="list-style-type: none">"application/astra-executionHook"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none">"1.0""1.1""1.2""1.3"

Name	Type	Required	Description
name	string	True	<p>JSON string containing a user-specified name for the resource. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 63 Name must be unique across all execution hook resources.
hookType	string	True	<p>JSON string defining the hook type. Defined values are:</p> <ul style="list-style-type: none"> • "netapp" - NetApp provided execution hook. • "custom" - Tied to a specific app ID. Execution hook resources with hookType "netapp" are read only.
matchingCriteria	array[matchingCriteria]	False	<p>JSON array of JSON objects describing the match criteria for the execution hook. When multiple matchingCriteria are specified a logical AND is applied to criteria. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 10
action	string	True	<p>JSON string indicating which action the execution hook will run assuming the match criteria are met. Defined values are:</p> <ul style="list-style-type: none"> • "snapshot" • "backup" • "restore" • "failover"

Name	Type	Required	Description
stage	string	True	<p>JSON string indicating the stage during the action that the hook will be executed. Defined values are:</p> <ul style="list-style-type: none"> • "pre" - The execution hook will be run before the specified action. • "post" - The execution hook will be run after the specified action. Values for action "snapshot" are "pre" and "post". Values for action "backup" are "pre" and "post". Value for action "restore" is "post". Value for action "failover" is "post".
hookSourceID	string	True	<p>JSON string containing the hook source ID that is run through this execution hook. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
arguments	array[string]	False	<p>JSON array of JSON strings for the arguments to the source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 16 • Minimum length: 0 • Maximum length: 127

Name	Type	Required	Description
appID	string	True	<p>JSON string containing the associated ID of the application that this hook is linked to. In essence, other matching criteria, if set. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
enabled	string	False	<p>JSON string that indicates if the execution hook is enabled. Defined values are:</p> <ul style="list-style-type: none"> • "true" - The execution hook is enabled and will be run as specified. • "false" - The execution hook is disabled and will never run. The default value is "true".
description	string	False	<p>JSON string containing a user-specified description for the hook source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 0 • Maximum length: 511

Name	Type	Required	Description
metadata	type_astra_metadata_update	False	<p>Client and service-specified metadata associated with the resource. Defined values are:</p> <ul style="list-style-type: none"> Conforms to the Astra Metadata Schema. If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

Example request

```
{
  "type": "application/astra-executionHook",
  "version": "1.3",
  "name": "Payroll",
  "hookType": "custom",
  "action": "snapshot",
  "stage": "pre",
  "hookSourceID": "50e89023-ba84-435d-bb47-1833f4c250ff",
  "arguments": [
    "freeze"
  ],
  "appID": "7be5ae7c-151d-4230-ac39-ac1d0b33c2a9",
  "enabled": "true",
  "description": "Payroll production hook"
}
```

Response

Status: 201, Returns the newly created executionHook resource in the JSON response body.

Name	Type	Required	Description
type	string	True	Media type of the resource. Defined values are: <ul style="list-style-type: none"> "application/astra-executionHook"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none"> "1.0" "1.1" "1.2" "1.3"
id	string	True	Globally unique identifier of the resource. Defined values are: <ul style="list-style-type: none"> Conforms to the UUIDv4 Schema
name	string	True	JSON string containing a user-specified name for the resource. Defined values are: <ul style="list-style-type: none"> Minimum length: 1 Maximum length: 63 Name must be unique across all execution hook resources.
hookType	string	True	JSON string defining the hook type. Defined values are: <ul style="list-style-type: none"> "netapp" - NetApp provided execution hook. "custom" - Tied to a specific app ID. Execution hook resources with hookType "netapp" are read only.

Name	Type	Required	Description
matchingCriteria	array[matchingCriteria]	True	<p>JSON array of JSON objects describing the match criteria for the execution hook. When multiple matchingCriteria are specified a logical AND is applied to criteria. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 10
matchingContainers	array[matchingContainers]	False	<p>JSON array of JSON objects of each container that matches the configured matching criteria within the defined app.</p>
matchingImages	array[string]	False	<p>JSON array of JSON strings for the matching container images. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 4095 • Minimum length: 1 • Maximum length: 255
action	string	True	<p>JSON string indicating which action the execution hook will run assuming the match criteria are met. Defined values are:</p> <ul style="list-style-type: none"> • "snapshot" • "backup" • "restore" • "failover"

Name	Type	Required	Description
stage	string	True	<p>JSON string indicating the stage during the action that the hook will be executed. Defined values are:</p> <ul style="list-style-type: none"> • "pre" - The execution hook will be run before the specified action. • "post" - The execution hook will be run after the specified action. Values for action "snapshot" are "pre" and "post". Values for action "backup" are "pre" and "post". Value for action "restore" is "post". Value for action "failover" is "post".
hookSourceID	string	True	<p>JSON string containing the hook source ID that is run through this execution hook. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
arguments	array[string]	False	<p>JSON array of JSON strings for the arguments to the source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 16 • Minimum length: 0 • Maximum length: 127

Name	Type	Required	Description
appID	string	False	<p>JSON string containing the associated ID of the application that this hook is linked to. In essence, other matching criteria, if set. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
enabled	string	True	<p>JSON string that indicates if the execution hook is enabled. Defined values are:</p> <ul style="list-style-type: none"> • "true" - The execution hook is enabled and will be run as specified. • "false" - The execution hook is disabled and will never run. The default value is "true".
description	string	False	<p>JSON string containing a user-specified description for the hook source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 0 • Maximum length: 511

Name	Type	Required	Description
metadata	type_astra_metadata_update	True	<p>Client and service-specified metadata associated with the resource. Defined values are:</p> <ul style="list-style-type: none"> Conforms to the Astra Metadata Schema. If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

Example response

```
{
  "type": "application/astra-executionHook",
  "version": "1.3",
  "id": "5f7e2e31-280d-5984-a28b-2d19ab5b77c0",
  "name": "Payroll",
  "hookType": "custom",
  "matchingCriteria": [],
  "action": "snapshot",
  "stage": "pre",
  "hookSourceID": "50e89023-ba84-435d-bb47-1833f4c250ff",
  "arguments": [
    "freeze"
  ],
  "appID": "7be5ae7c-151d-4230-ac39-ac1d0b33c2a9",
  "enabled": "true",
  "description": "Payroll production hook",
  "metadata": {
    "labels": [],
    "creationTimestamp": "2022-10-06T20:58:16.305662Z",
    "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
    "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
  }
}
```

Response

Status: 401, Unauthorized

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/3",
  "title": "Missing bearer token",
  "detail": "The request is missing the required bearer token.",
  "status": "401"
}
```

Response

Status: 400, Bad request

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	
invalidFields	array[invalidFields]	False	List of invalid request body fields

Example response

```
{
  "type": "https://astra.netapp.io/problems/5",
  "title": "Invalid query parameters",
  "detail": "The supplied query parameters are invalid.",
  "status": "400"
}
```

Response

Status: 409, Conflict

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/10",
  "title": "JSON resource conflict",
  "detail": "The request body JSON contains a field that conflicts with an idempotent value.",
  "status": "409"
}
```

Response

Status: 403, Forbidden

Name	Type	Required	Description
type	string	True	
title	string	True	

Name	Type	Required	Description
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

Error

Status: 404, Not found

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example error response

```
{
  "type": "https://astra.netapp.io/problems/2",
  "title": "Collection not found",
  "detail": "The collection specified in the request URI wasn't
found.",
  "status": "404"
}
```

Definitions

See Definitions

matchingCriteria

Name	Type	Required	Description
type	string	False	JSON string identifying the match criteria type.
value	string	False	JSON string containing a regex to match for the given match type. Regex syntax: https://github.com/google/re2/wiki/Syntax

type_astra_label

Name	Type	Required	Description
name	string	True	
value	string	True	

type_astra_metadata_update

Client and service-specified metadata associated with the resource. Defined values are:

- Conforms to the Astra Metadata Schema If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

Name	Type	Required	Description
labels	array[type_astra_label]	False	
creationTimestamp	string	False	
modificationTimestamp	string	False	
createdBy	string	False	
modifiedBy	string	False	

matchingCriteria

Name	Type	Required	Description
type	string	True	JSON string identifying the match criteria type.

Name	Type	Required	Description
value	string	True	JSON string containing a regex to match for the given match type. Regex syntax: https://github.com/google/re2/wiki/Syntax

type_k8s_label

Name	Type	Required	Description
name	string	True	
value	string	True	

matchingContainers

Name	Type	Required	Description
podName	string	False	JSON string of matching container's pod name.
podLabels	array[type_k8s_label]	False	JSON array of label objects of matching container's pod's labels.
containerImage	string	False	JSON string of matching container's image.
containerName	string	False	JSON string of matching container's name.
namespaceName	string	False	JSON string of matching container's pod's namespace name.

invalidParams

Name	Type	Required	Description
name	string	True	Name of the invalid query parameter
reason	string	True	Reason why the query parameter is invalid

invalidFields

Name	Type	Required	Description
name	string	True	Name of the invalid request body field
reason	string	True	Reason why the request body field is invalid

List all execution hooks

GET /accounts/{account_id}/core/v1/executionHooks

Returns a JSON array of all matching resources in the collection. If individual fields are specified in the request, the items JSON array will contain the fields requested for each matching resource in the order specified.

Parameters

Name	Type	In	Required	Description
account_id	string	path	True	ID of the containing account resource <ul style="list-style-type: none"> example: <code>{{.Account}}</code>
include	string	query	False	Indicates which fields should be returned when listing a collection. <p>URL examples: "include=id", "include=id,name"</p> <p>OpenAPI examples: "id"</p>
limit	string	query	False	Indicates the maximum number of resources to return when listing a collection. <p>URL examples: "limit=2"</p> <p>OpenAPI examples: "2"</p>

Name	Type	In	Required	Description
filter	string	query	False	<p>Indicates which fields should be matched in order to return a resource when listing a collection.</p> <p>Supported operators are:</p> <ul style="list-style-type: none"> • eq - Equality • lt/gt - Less than/Greater than • lte/gte - Less than or equals to/Greater than or equals to <p>URL example: "filter=field%20eq%20%27value%27"</p> <p>OpenAPI examples: "field eq 'value'"</p>

Response

Status: 200, Returns a JSON array of all matching resources in the collection. If individual fields are specified in the request, the items JSON array will contain the fields requested for each matching resource in the order specified.

Name	Type	Required	Description
items	array[Any of: executionHook_1.3_get_response_body , array[]]	True	
metadata	type_astra_metadata_list	True	

Example response

```
{
  "type": "application/astra-executionHooks",
  "version": "1.3",
  "items": [
    {
      "type": "application/astra-executionHook",
      "version": "1.1",
      "id": "4c64792c-806b-4457-938d-8e325a37c593",
      "name": "Payroll",
      "hookType": "custom",
      "matchingCriteria": [
        {
          "type": "containerImage",
          "value": "payroll"
        },
        {
          "type": "podName",
          "value": "^payroll-master"
        }
      ],
      "action": "snapshot",
      "stage": "pre",
      "hookSourceID": "50e89023-ba84-435d-bb47-1833f4c250ff",
      "arguments": [
        "freeze"
      ],
      "appID": "7be5ae7c-151d-4230-ac39-ac1d0b33c2a9",
      "enabled": "true",
      "description": "Payroll production hook",
      "metadata": {
        "labels": [],
        "creationTimestamp": "2020-08-06T12:24:52.256624Z",
        "modificationTimestamp": "2020-08-06T12:24:52.256624Z",
        "createdBy": "64182074-ddb6-42eb-b7f4-b6a02cf9ba7c"
      }
    },
    {
      "type": "application/astra-executionHook",
      "version": "1.1",
      "id": "6659892c-c621-44e8-a0bb-8dbdf378a2dd",
      "name": "Order Processing",
      "hookType": "custom",
      "matchingCriteria": [
        {
```

```

        "type": "containerName",
        "value": "^order-processing$"
    },
    {
        "type": "podLabel",
        "value": "^app=master$|^app=data$"
    }
],
"action": "snapshot",
"stage": "pre",
"hookSourceID": "63f4d6fd-b7f0-4eaa-9890-0b11123604b1",
"arguments": [
    "freeze"
],
"appID": "7be5ae7c-151d-4230-ac39-ac1d0b33c2a9",
"enabled": "true",
"description": "Order processing hook",
"metadata": {
    "labels": [],
    "creationTimestamp": "2020-08-06T12:24:52.256624Z",
    "modificationTimestamp": "2020-08-06T12:24:52.256624Z",
    "createdBy": "64182074-ddb6-42eb-b7f4-b6a02cf9ba7c"
}
},
{
    "type": "application/astra-executionHook",
    "version": "1.1",
    "id": "6659892c-c621-44e8-a0bb-8dbdf378a2dd",
    "name": "NetApp Postgres Hook",
    "hookType": "netapp",
    "matchingCriteria": [
        {
            "type": "podName",
            "value": "^postgres"
        },
        {
            "type": "containerImage",
            "value": "3.8"
        }
    ],
    "action": "snapshot",
    "stage": "pre",
    "hookSourceID": "3601ed09-1a74-4156-a1bd-9cb7144bac0e",
    "arguments": [
        "freeze"
    ],

```

```

    "enabled": "true",
    "description": "Order processing hook",
    "metadata": {
      "labels": [],
      "creationTimestamp": "2020-08-06T12:24:52.256624Z",
      "modificationTimestamp": "2020-08-06T12:24:52.256624Z",
      "createdBy": "64182074-ddb6-42eb-b7f4-b6a02cf9ba7c"
    }
  },
  {
    "type": "application/astra-executionHook",
    "version": "1.1",
    "id": "6659892c-c621-44e8-a0bb-8dbdf378a2dd",
    "name": "Redis Hook",
    "hookType": "custom",
    "matchingCriteria": [
      {
        "type": "containerName",
        "value": "^redis-01$"
      }
    ],
    "action": "snapshot",
    "stage": "pre",
    "hookSourceID": "3601ed09-1a74-4156-a1bd-9cb7144bac0e",
    "arguments": [
      "freeze"
    ],
    "enabled": "true",
    "description": "Order processing hook",
    "metadata": {
      "labels": [],
      "creationTimestamp": "2020-08-06T12:24:52.256624Z",
      "modificationTimestamp": "2020-08-06T12:24:52.256624Z",
      "createdBy": "64182074-ddb6-42eb-b7f4-b6a02cf9ba7c"
    }
  }
],
"metadata": {
  "labels": [],
  "creationTimestamp": "2022-10-06T20:58:16.305662Z",
  "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
  "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
}
}

```

Response

Status: 401, Unauthorized

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/3",
  "title": "Missing bearer token",
  "detail": "The request is missing the required bearer token.",
  "status": "401"
}
```

Response

Status: 400, Bad request

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	
invalidParams	array[invalidParams]	False	List of invalid query parameters

Example response

```
{
  "type": "https://astra.netapp.io/problems/5",
  "title": "Invalid query parameters",
  "detail": "The supplied query parameters are invalid.",
  "status": "400"
}
```

Response

Status: 403, Forbidden

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

Error

Status: 404, Not found

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	

Name	Type	Required	Description
status	string	True	
correlationID	string	False	

Example error response

```
{
  "type": "https://astra.netapp.io/problems/2",
  "title": "Collection not found",
  "detail": "The collection specified in the request URI wasn't
found.",
  "status": "404"
}
```

Definitions

See Definitions

matchingCriteria

Name	Type	Required	Description
type	string	True	JSON string identifying the match criteria type.
value	string	True	JSON string containing a regex to match for the given match type. Regex syntax: https://github.com/google/re2/wiki/Syntax

type_k8s_label

Name	Type	Required	Description
name	string	True	
value	string	True	

matchingContainers

Name	Type	Required	Description
podName	string	False	JSON string of matching container's pod name.
podLabels	array[type_k8s_label]	False	JSON array of label objects of matching container's pod's labels.
containerImage	string	False	JSON string of matching container's image.
containerName	string	False	JSON string of matching container's name.
namespaceName	string	False	JSON string of matching container's pod's namespace name.

type_astra_label

Name	Type	Required	Description
name	string	True	

Name	Type	Required	Description
value	string	True	

type_astra_metadata_update

Client and service-specified metadata associated with the resource. Defined values are:

- Conforms to the Astra Metadata Schema If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

Name	Type	Required	Description
labels	array[type_astra_label]	False	
creationTimestamp	string	False	
modificationTimestamp	string	False	
createdBy	string	False	
modifiedBy	string	False	

executionHook_1.3_get_response_body

Name	Type	Required	Description
type	string	True	Media type of the resource. Defined values are: <ul style="list-style-type: none"> • "application/astra-executionHook"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none"> • "1.0" • "1.1" • "1.2" • "1.3"
id	string	True	Globally unique identifier of the resource. Defined values are: <ul style="list-style-type: none"> • Conforms to the UUIDv4 Schema

Name	Type	Required	Description
name	string	True	<p>JSON string containing a user-specified name for the resource. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 63 <p>Name must be unique across all execution hook resources.</p>
hookType	string	True	<p>JSON string defining the hook type. Defined values are:</p> <ul style="list-style-type: none"> • "netapp" - NetApp provided execution hook. • "custom" - Tied to a specific app ID. Execution hook resources with hookType "netapp" are read only.
matchingCriteria	array[matchingCriteria]	True	<p>JSON array of JSON objects describing the match criteria for the execution hook. When multiple matchingCriteria are specified a logical AND is applied to criteria. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 10
matchingContainers	array[matchingContainers]	False	<p>JSON array of JSON objects of each container that matches the configured matching criteria within the defined app.</p>

Name	Type	Required	Description
matchingImages	array[string]	False	<p>JSON array of JSON strings for the matching container images. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 4095 • Minimum length: 1 • Maximum length: 255
action	string	True	<p>JSON string indicating which action the execution hook will run assuming the match criteria are met. Defined values are:</p> <ul style="list-style-type: none"> • "snapshot" • "backup" • "restore" • "failover"
stage	string	True	<p>JSON string indicating the stage during the action that the hook will be executed. Defined values are:</p> <ul style="list-style-type: none"> • "pre" - The execution hook will be run before the specified action. • "post" - The execution hook will be run after the specified action. Values for action "snapshot" are "pre" and "post". Values for action "backup" are "pre" and "post". Value for action "restore" is "post". Value for action "failover" is "post".

Name	Type	Required	Description
hookSourceID	string	True	<p>JSON string containing the hook source ID that is run through this execution hook. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
arguments	array[string]	False	<p>JSON array of JSON strings for the arguments to the source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 16 • Minimum length: 0 • Maximum length: 127
appID	string	False	<p>JSON string containing the associated ID of the application that this hook is linked to. In essence, other matching criteria, if set. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
enabled	string	True	<p>JSON string that indicates if the execution hook is enabled. Defined values are:</p> <ul style="list-style-type: none"> • "true" - The execution hook is enabled and will be run as specified. • "false" - The execution hook is disabled and will never run. The default value is "true".

Name	Type	Required	Description
description	string	False	JSON string containing a user-specified description for the hook source. Defined values are: <ul style="list-style-type: none"> • Minimum length: 0 • Maximum length: 511
metadata	type_astra_metadata_update	True	Client and service-specified metadata associated with the resource. Defined values are: <ul style="list-style-type: none"> • Conforms to the Astra Metadata Schema If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

type_astra_metadata_list

Name	Type	Required	Description
continue	string	False	
count	number	False	
labels	array[type_astra_label]	False	
creationTimestamp	string	False	
modificationTimestamp	string	False	
createdBy	string	False	
modifiedBy	string	False	

invalidParams

Name	Type	Required	Description
name	string	True	Name of the invalid query parameter
reason	string	True	Reason why the query parameter is invalid

Retrieve an execution hook

GET /accounts/{account_id}/core/v1/executionHooks/{executionHook_id}

Returns the stored Execution Hook API resource in the JSON response body. Also populates matchingContainers and matchingImages based on the current matchingCriteria and the defined app.

Parameters

Name	Type	In	Required	Description
account_id	string	path	True	ID of the containing account resource <ul style="list-style-type: none"> example: <code>{{.Account}}</code>
executionHook_id	string	path	True	ID of the executionHook collection to list

Response

Status: 200, Returns the stored Execution Hook API resource in the JSON response body. Also populates matchingContainers and matchingImages based on the current matchingCriteria and the defined app.

Name	Type	Required	Description
type	string	True	Media type of the resource. Defined values are: <ul style="list-style-type: none"> "application/astra-executionHook"

Name	Type	Required	Description
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none"> • "1.0" • "1.1" • "1.2" • "1.3"
id	string	True	Globally unique identifier of the resource. Defined values are: <ul style="list-style-type: none"> • Conforms to the UUIDv4 Schema
name	string	True	JSON string containing a user-specified name for the resource. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 63 Name must be unique across all execution hook resources.
hookType	string	True	JSON string defining the hook type. Defined values are: <ul style="list-style-type: none"> • "netapp" - NetApp provided execution hook. • "custom" - Tied to a specific app ID. Execution hook resources with hookType "netapp" are read only.

Name	Type	Required	Description
matchingCriteria	array[matchingCriteria]	True	<p>JSON array of JSON objects describing the match criteria for the execution hook. When multiple matchingCriteria are specified a logical AND is applied to criteria. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 10
matchingContainers	array[matchingContainers]	False	<p>JSON array of JSON objects of each container that matches the configured matching criteria within the defined app.</p>
matchingImages	array[string]	False	<p>JSON array of JSON strings for the matching container images. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 4095 • Minimum length: 1 • Maximum length: 255
action	string	True	<p>JSON string indicating which action the execution hook will run assuming the match criteria are met. Defined values are:</p> <ul style="list-style-type: none"> • "snapshot" • "backup" • "restore" • "failover"

Name	Type	Required	Description
stage	string	True	<p>JSON string indicating the stage during the action that the hook will be executed. Defined values are:</p> <ul style="list-style-type: none"> • "pre" - The execution hook will be run before the specified action. • "post" - The execution hook will be run after the specified action. Values for action "snapshot" are "pre" and "post". Values for action "backup" are "pre" and "post". Value for action "restore" is "post". Value for action "failover" is "post".
hookSourceID	string	True	<p>JSON string containing the hook source ID that is run through this execution hook. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
arguments	array[string]	False	<p>JSON array of JSON strings for the arguments to the source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 16 • Minimum length: 0 • Maximum length: 127

Name	Type	Required	Description
appID	string	False	<p>JSON string containing the associated ID of the application that this hook is linked to. In essence, other matching criteria, if set. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
enabled	string	True	<p>JSON string that indicates if the execution hook is enabled. Defined values are:</p> <ul style="list-style-type: none"> • "true" - The execution hook is enabled and will be run as specified. • "false" - The execution hook is disabled and will never run. The default value is "true".
description	string	False	<p>JSON string containing a user-specified description for the hook source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 0 • Maximum length: 511

Name	Type	Required	Description
metadata	type_astra_metadata_update	True	<p>Client and service-specified metadata associated with the resource. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Metadata Schema. If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

Example response

```
{
  "type": "application/astra-executionHook",
  "version": "1.3",
  "id": "5f7e2e31-280d-5984-a28b-2d19ab5b77c0",
  "name": "Payroll",
  "hookType": "custom",
  "matchingCriteria": [
    {
      "type": "podLabel",
      "value": "^env=production$"
    },
    {
      "type": "containerName",
      "value": "^payroll-master"
    }
  ],
  "matchingImages": [
    "docker.io/bitnami/payroll:3.7.8",
    "docker.io/bitnami/payroll:4.1.2"
  ],
  "matchingContainers": [
    {
      "namespaceName": "payroll-east",
      "podName": "payroll-release3-7",
      "podLabels": [
        {
          "name": "env",
          "value": "production"
        },
        {
          "name": "app.kubernetes.io/managed-by",
          "value": "Helm"
        }
      ],
      "containerName": "payroll-master-0",
      "containerImage": "docker.io/bitnami/payroll:3.7.8"
    },
    {
      "namespaceName": "payroll-east",
      "podName": "payroll-release3-7",
      "podLabels": [
        {
          "name": "env",
          "value": "production"
        }
      ]
    }
  ]
}
```

```

    },
    {
      "name": "app.kubernetes.io/managed-by",
      "value": "Helm"
    }
  ],
  "containerName": "payroll-master-1",
  "containerImage": "docker.io/bitnami/payroll:3.7.8"
}
],
"action": "snapshot",
"stage": "pre",
"hookSourceID": "50e89023-ba84-435d-bb47-1833f4c250ff",
"arguments": [
  "freeze"
],
"appID": "7be5ae7c-151d-4230-ac39-ac1d0b33c2a9",
"enabled": "true",
"description": "Payroll production hook",
"metadata": {
  "labels": [],
  "creationTimestamp": "2022-10-06T20:58:16.305662Z",
  "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
  "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
}
}
}

```

Response

Status: 401, Unauthorized

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/3",
  "title": "Missing bearer token",
  "detail": "The request is missing the required bearer token.",
  "status": "401"
}
```

Response

Status: 400, Bad request

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	
invalidParams	array[invalidParams]	False	List of invalid query parameters

Example response

```
{
  "type": "https://astra.netapp.io/problems/5",
  "title": "Invalid query parameters",
  "detail": "The supplied query parameters are invalid.",
  "status": "400"
}
```

Response

Status: 403, Forbidden

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

Error

Status: 404, Not found

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example error response

```
{
  "type": "https://astra.netapp.io/problems/2",
  "title": "Collection not found",
  "detail": "The collection specified in the request URI wasn't
found.",
  "status": "404"
}
```

Definitions

See Definitions

matchingCriteria

Name	Type	Required	Description
type	string	True	JSON string identifying the match criteria type.
value	string	True	JSON string containing a regex to match for the given match type. Regex syntax: https://github.com/google/re2/wiki/Syntax

type_k8s_label

Name	Type	Required	Description
name	string	True	
value	string	True	

matchingContainers

Name	Type	Required	Description
podName	string	False	JSON string of matching container's pod name.
podLabels	array[type_k8s_label]	False	JSON array of label objects of matching container's pod's labels.
containerImage	string	False	JSON string of matching container's image.
containerName	string	False	JSON string of matching container's name.
namespaceName	string	False	JSON string of matching container's pod's namespace name.

type_astra_label

Name	Type	Required	Description
name	string	True	

Name	Type	Required	Description
value	string	True	

type_astra_metadata_update

Client and service-specified metadata associated with the resource. Defined values are:

- Conforms to the Astra Metadata Schema If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

Name	Type	Required	Description
labels	array[type_astra_label]	False	
creationTimestamp	string	False	
modificationTimestamp	string	False	
createdBy	string	False	
modifiedBy	string	False	

invalidParams

Name	Type	Required	Description
name	string	True	Name of the invalid query parameter
reason	string	True	Reason why the query parameter is invalid

Modify an execution hook

PUT /accounts/{account_id}/core/v1/executionHooks/{executionHook_id}

Replaces the entire stored resource with the supplied JSON request body while preserving key values that are not user-modifiable.

Side Effects

- Updating an existing execution hook will impact any future actions of applications that use the updated execution hook.

Parameters

Name	Type	In	Required	Description
account_id	string	path	True	ID of the containing account resource <ul style="list-style-type: none"> example: <code>{{.Account}}</code>
executionHook_id	string	path	True	ID of the executionHook collection to list

Request Body

Replaces the entire stored resource with the supplied JSON request body while preserving key values that are not user-modifiable.

Side Effects

- Updating an existing execution hook will impact any future actions of applications that use the updated execution hook.

Name	Type	Required	Description
type	string	True	Media type of the resource. Defined values are: <ul style="list-style-type: none"> "application/astra-executionHook"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none"> "1.0" "1.1" "1.2" "1.3"
id	string	False	Globally unique identifier of the resource. Defined values are: <ul style="list-style-type: none"> Conforms to the UUIDv4 Schema

Name	Type	Required	Description
name	string	False	<p>JSON string containing a user-specified name for the resource. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 63 Name must be unique across all execution hook resources.
hookType	string	False	<p>JSON string defining the hook type. Defined values are:</p> <ul style="list-style-type: none"> • "netapp" - NetApp provided execution hook. • "custom" - Tied to a specific app ID. Execution hook resources with hookType "netapp" are read only.
matchingCriteria	array[matchingCriteria]	False	<p>JSON array of JSON objects describing the match criteria for the execution hook. When multiple matchingCriteria are specified a logical AND is applied to criteria. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 10
action	string	False	<p>JSON string indicating which action the execution hook will run assuming the match criteria are met. Defined values are:</p> <ul style="list-style-type: none"> • "snapshot" • "backup" • "restore" • "failover"

Name	Type	Required	Description
stage	string	False	<p>JSON string indicating the stage during the action that the hook will be executed. Defined values are:</p> <ul style="list-style-type: none"> • "pre" - The execution hook will be run before the specified action. • "post" - The execution hook will be run after the specified action. Values for action "snapshot" are "pre" and "post". Values for action "backup" are "pre" and "post". Value for action "restore" is "post". Value for action "failover" is "post".
hookSourceID	string	False	<p>JSON string containing the hook source ID that is run through this execution hook. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
arguments	array[string]	False	<p>JSON array of JSON strings for the arguments to the source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 16 • Minimum length: 0 • Maximum length: 127

Name	Type	Required	Description
appID	string	False	<p>JSON string containing the associated ID of the application that this hook is linked to. In essence, other matching criteria, if set. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
enabled	string	False	<p>JSON string that indicates if the execution hook is enabled. Defined values are:</p> <ul style="list-style-type: none"> • "true" - The execution hook is enabled and will be run as specified. • "false" - The execution hook is disabled and will never run. The default value is "true".
description	string	False	<p>JSON string containing a user-specified description for the hook source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 0 • Maximum length: 511

Name	Type	Required	Description
metadata	type_astra_metadata_update	False	<p>Client and service-specified metadata associated with the resource. Defined values are:</p> <ul style="list-style-type: none"> Conforms to the Astra Metadata Schema. If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

Example request

```
{
  "type": "application/astra-executionHook",
  "version": "1.3",
  "arguments": [
    "freeze",
    "10"
  ]
}
```

Response

Status: 204, Indicates if the executionHook resource was updated.

Response

Status: 401, Unauthorized

Name	Type	Required	Description
type	string	True	

Name	Type	Required	Description
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/3",
  "title": "Missing bearer token",
  "detail": "The request is missing the required bearer token.",
  "status": "401"
}
```

Response

Status: 400, Bad request

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	
invalidFields	array[invalidFields]	False	List of invalid request body fields

Example response

```
{
  "type": "https://astra.netapp.io/problems/5",
  "title": "Invalid query parameters",
  "detail": "The supplied query parameters are invalid.",
  "status": "400"
}
```

Response

Status: 409, Conflict

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/10",
  "title": "JSON resource conflict",
  "detail": "The request body JSON contains a field that conflicts with
an idempotent value.",
  "status": "409"
}
```

Response

Status: 403, Forbidden

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

Error

Status: 404, Not found

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example error response

```
{
  "type": "https://astra.netapp.io/problems/1",
  "title": "Resource not found",
  "detail": "The resource specified in the request URI wasn't found.",
  "status": "404"
}
```

Definitions

See Definitions

matchingCriteria

Name	Type	Required	Description
type	string	False	JSON string identifying the match criteria type.
value	string	False	JSON string containing a regex to match for the given match type. Regex syntax: https://github.com/google/re2/wiki/Syntax

type_astra_label

Name	Type	Required	Description
name	string	True	
value	string	True	

type_astra_metadata_update

Client and service-specified metadata associated with the resource. Defined values are:

- Conforms to the Astra Metadata Schema If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

Name	Type	Required	Description
labels	array[type_astra_label]	False	
creationTimestamp	string	False	
modificationTimestamp	string	False	
createdBy	string	False	
modifiedBy	string	False	

invalidParams

Name	Type	Required	Description
name	string	True	Name of the invalid query parameter
reason	string	True	Reason why the query parameter is invalid

invalidFields

Name	Type	Required	Description
name	string	True	Name of the invalid request body field
reason	string	True	Reason why the request body field is invalid

Delete an execution hook

DELETE /accounts/{account_id}/core/v1/executionHooks/{executionHook_id}

Removes the specified Execution Hook API resource.

Side Effects

- The deleted execution hook will no longer run as part of future actions.

Parameters

Name	Type	In	Required	Description
account_id	string	path	True	ID of the containing account resource • example: {{.Account}}
executionHook_id	string	path	True	ID of the executionHook collection to list

Response

Status: 204, Indicates if the executionHook resource was deleted.

Response

Status: 401, Unauthorized

Name	Type	Required	Description
type	string	True	

Name	Type	Required	Description
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/3",
  "title": "Missing bearer token",
  "detail": "The request is missing the required bearer token.",
  "status": "401"
}
```

Response

Status: 400, Bad request

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	
invalidParams	array[invalidParams]	False	List of invalid query parameters

Example response

```
{
  "type": "https://astra.netapp.io/problems/5",
  "title": "Invalid query parameters",
  "detail": "The supplied query parameters are invalid.",
  "status": "400"
}
```

Response

Status: 403, Forbidden

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

Error

Status: 404, Not found

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example error response

```
{
  "type": "https://astra.netapp.io/problems/1",
  "title": "Resource not found",
  "detail": "The resource specified in the request URI wasn't found.",
  "status": "404"
}
```

Definitions

See Definitions

invalidParams

Name	Type	Required	Description
name	string	True	Name of the invalid query parameter
reason	string	True	Reason why the query parameter is invalid

Create a new execution hook for an app

POST /accounts/{account_id}/k8s/v1/apps/{app_id}/executionHooks

Indicates the desired values for the Execution Hook API resource to be created.

Parameters

Name	Type	In	Required	Description
account_id	string	path	True	ID of the containing account resource <ul style="list-style-type: none">example: {{.Account}}
app_id	string	path	True	ID of the containing app resource

Request Body

Indicates the desired values for the Execution Hook API resource to be created.

Name	Type	Required	Description
type	string	True	Media type of the resource. Defined values are: <ul style="list-style-type: none"> • "application/astra-executionHook"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none"> • "1.0" • "1.1" • "1.2" • "1.3"
name	string	True	JSON string containing a user-specified name for the resource. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 63 Name must be unique across all execution hook resources.
hookType	string	True	JSON string defining the hook type. Defined values are: <ul style="list-style-type: none"> • "netapp" - NetApp provided execution hook. • "custom" - Tied to a specific app ID. Execution hook resources with hookType "netapp" are read only.

Name	Type	Required	Description
matchingCriteria	array[matchingCriteria]	False	<p>JSON array of JSON objects describing the match criteria for the execution hook. When multiple matchingCriteria are specified a logical AND is applied to criteria. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 10
action	string	True	<p>JSON string indicating which action the execution hook will run assuming the match criteria are met. Defined values are:</p> <ul style="list-style-type: none"> • "snapshot" • "backup" • "restore" • "failover"
stage	string	True	<p>JSON string indicating the stage during the action that the hook will be executed. Defined values are:</p> <ul style="list-style-type: none"> • "pre" - The execution hook will be run before the specified action. • "post" - The execution hook will be run after the specified action. Values for action "snapshot" are "pre" and "post". Values for action "backup" are "pre" and "post". Value for action "restore" is "post". Value for action "failover" is "post".

Name	Type	Required	Description
hookSourceID	string	True	<p>JSON string containing the hook source ID that is run through this execution hook. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
arguments	array[string]	False	<p>JSON array of JSON strings for the arguments to the source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 16 • Minimum length: 0 • Maximum length: 127
appID	string	True	<p>JSON string containing the associated ID of the application that this hook is linked to. In essence, other matching criteria, if set. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
enabled	string	False	<p>JSON string that indicates if the execution hook is enabled. Defined values are:</p> <ul style="list-style-type: none"> • "true" - The execution hook is enabled and will be run as specified. • "false" - The execution hook is disabled and will never run. The default value is "true".

Name	Type	Required	Description
description	string	False	<p>JSON string containing a user-specified description for the hook source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 0 • Maximum length: 511
metadata	type_astra_metadata_update	False	<p>Client and service-specified metadata associated with the resource. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Metadata Schema. If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

Example request

```

{
  "type": "application/astra-executionHook",
  "version": "1.3",
  "name": "Payroll",
  "hookType": "custom",
  "action": "snapshot",
  "stage": "pre",
  "hookSourceID": "50e89023-ba84-435d-bb47-1833f4c250ff",
  "arguments": [
    "freeze"
  ],
  "appID": "7be5ae7c-151d-4230-ac39-ac1d0b33c2a9",
  "enabled": "true",
  "description": "Payroll production hook"
}

```

Response

Status: 201, Returns the newly created executionHook resource in the JSON response body.

Name	Type	Required	Description
type	string	True	Media type of the resource. Defined values are: <ul style="list-style-type: none">• "application/astra-executionHook"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none">• "1.0"• "1.1"• "1.2"• "1.3"
id	string	True	Globally unique identifier of the resource. Defined values are: <ul style="list-style-type: none">• Conforms to the UUIDv4 Schema
name	string	True	JSON string containing a user-specified name for the resource. Defined values are: <ul style="list-style-type: none">• Minimum length: 1• Maximum length: 63 Name must be unique across all execution hook resources.

Name	Type	Required	Description
hookType	string	True	<p>JSON string defining the hook type. Defined values are:</p> <ul style="list-style-type: none"> • "netapp" - NetApp provided execution hook. • "custom" - Tied to a specific app ID. Execution hook resources with hookType "netapp" are read only.
matchingCriteria	array[matchingCriteria]	True	<p>JSON array of JSON objects describing the match criteria for the execution hook. When multiple matchingCriteria are specified a logical AND is applied to criteria. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 10
matchingContainers	array[matchingContainers]	False	<p>JSON array of JSON objects of each container that matches the configured matching criteria within the defined app.</p>
matchingImages	array[string]	False	<p>JSON array of JSON strings for the matching container images. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 4095 • Minimum length: 1 • Maximum length: 255

Name	Type	Required	Description
action	string	True	<p>JSON string indicating which action the execution hook will run assuming the match criteria are met. Defined values are:</p> <ul style="list-style-type: none"> • "snapshot" • "backup" • "restore" • "failover"
stage	string	True	<p>JSON string indicating the stage during the action that the hook will be executed. Defined values are:</p> <ul style="list-style-type: none"> • "pre" - The execution hook will be run before the specified action. • "post" - The execution hook will be run after the specified action. Values for action "snapshot" are "pre" and "post". Values for action "backup" are "pre" and "post". Value for action "restore" is "post". Value for action "failover" is "post".
hookSourceID	string	True	<p>JSON string containing the hook source ID that is run through this execution hook. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema

Name	Type	Required	Description
arguments	array[string]	False	<p>JSON array of JSON strings for the arguments to the source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 16 • Minimum length: 0 • Maximum length: 127
appID	string	False	<p>JSON string containing the associated ID of the application that this hook is linked to. In essence, other matching criteria, if set. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
enabled	string	True	<p>JSON string that indicates if the execution hook is enabled. Defined values are:</p> <ul style="list-style-type: none"> • "true" - The execution hook is enabled and will be run as specified. • "false" - The execution hook is disabled and will never run. The default value is "true".
description	string	False	<p>JSON string containing a user-specified description for the hook source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 0 • Maximum length: 511

Name	Type	Required	Description
metadata	type_astra_metadata_update	True	<p>Client and service-specified metadata associated with the resource. Defined values are:</p> <ul style="list-style-type: none"> Conforms to the Astra Metadata Schema. If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

Example response

```
{
  "type": "application/astra-executionHook",
  "version": "1.3",
  "id": "5f7e2e31-280d-5984-a28b-2d19ab5b77c0",
  "name": "Payroll",
  "hookType": "custom",
  "matchingCriteria": [],
  "action": "snapshot",
  "stage": "pre",
  "hookSourceID": "50e89023-ba84-435d-bb47-1833f4c250ff",
  "arguments": [
    "freeze"
  ],
  "appID": "7be5ae7c-151d-4230-ac39-ac1d0b33c2a9",
  "enabled": "true",
  "description": "Payroll production hook",
  "metadata": {
    "labels": [],
    "creationTimestamp": "2022-10-06T20:58:16.305662Z",
    "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
    "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
  }
}
```

Response

Status: 401, Unauthorized

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/3",
  "title": "Missing bearer token",
  "detail": "The request is missing the required bearer token.",
  "status": "401"
}
```

Response

Status: 400, Bad request

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	
invalidFields	array[invalidFields]	False	List of invalid request body fields

Example response

```
{
  "type": "https://astra.netapp.io/problems/5",
  "title": "Invalid query parameters",
  "detail": "The supplied query parameters are invalid.",
  "status": "400"
}
```

Response

Status: 409, Conflict

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/10",
  "title": "JSON resource conflict",
  "detail": "The request body JSON contains a field that conflicts with an idempotent value.",
  "status": "409"
}
```

Response

Status: 403, Forbidden

Name	Type	Required	Description
type	string	True	
title	string	True	

Name	Type	Required	Description
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

Error

Status: 404, Not found

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example error response

```
{
  "type": "https://astra.netapp.io/problems/2",
  "title": "Collection not found",
  "detail": "The collection specified in the request URI wasn't
found.",
  "status": "404"
}
```

Definitions

See Definitions

matchingCriteria

Name	Type	Required	Description
type	string	False	JSON string identifying the match criteria type.
value	string	False	JSON string containing a regex to match for the given match type. Regex syntax: https://github.com/google/re2/wiki/Syntax

type_astra_label

Name	Type	Required	Description
name	string	True	
value	string	True	

type_astra_metadata_update

Client and service-specified metadata associated with the resource. Defined values are:

- Conforms to the Astra Metadata Schema If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

Name	Type	Required	Description
labels	array[type_astra_label]	False	
creationTimestamp	string	False	
modificationTimestamp	string	False	
createdBy	string	False	
modifiedBy	string	False	

matchingCriteria

Name	Type	Required	Description
type	string	True	JSON string identifying the match criteria type.

Name	Type	Required	Description
value	string	True	JSON string containing a regex to match for the given match type. Regex syntax: https://github.com/google/re2/wiki/Syntax

type_k8s_label

Name	Type	Required	Description
name	string	True	
value	string	True	

matchingContainers

Name	Type	Required	Description
podName	string	False	JSON string of matching container's pod name.
podLabels	array[type_k8s_label]	False	JSON array of label objects of matching container's pod's labels.
containerImage	string	False	JSON string of matching container's image.
containerName	string	False	JSON string of matching container's name.
namespaceName	string	False	JSON string of matching container's pod's namespace name.

invalidParams

Name	Type	Required	Description
name	string	True	Name of the invalid query parameter
reason	string	True	Reason why the query parameter is invalid

invalidFields

Name	Type	Required	Description
name	string	True	Name of the invalid request body field
reason	string	True	Reason why the request body field is invalid

List the execution hooks for an app

GET /accounts/{account_id}/k8s/v1/apps/{app_id}/executionHooks

Returns a JSON array of all matching resources in the collection. If individual fields are specified in the request, the items JSON array will contain the fields requested for each matching resource in the order specified.

Parameters

Name	Type	In	Required	Description
account_id	string	path	True	ID of the containing account resource <ul style="list-style-type: none"> example: <code>{{.Account}}</code>
app_id	string	path	True	ID of the containing app resource
include	string	query	False	Indicates which fields should be returned when listing a collection. <p>URL examples: "include=id", "include=id,name"</p> <p>OpenAPI examples: "id"</p>

Name	Type	In	Required	Description
limit	string	query	False	<p>Indicates the maximum number of resources to return when listing a collection.</p> <p>URL examples: "limit=2"</p> <p>OpenAPI examples: "2"</p>
filter	string	query	False	<p>Indicates which fields should be matched in order to return a resource when listing a collection.</p> <p>Supported operators are:</p> <ul style="list-style-type: none"> • eq - Equality • lt/gt - Less than/Greater than • lte/gte - Less than or equals to/Greater than or equals to <p>URL example: "filter=field%20eq%20%27value%27"</p> <p>OpenAPI examples: "field eq 'value'"</p>

Response

Status: 200, Returns a JSON array of all matching resources in the collection. If individual fields are specified in the request, the items JSON array will contain the fields requested for each matching resource in the order specified.

Name	Type	Required	Description
items	array[Any of: executionHook_1.3_get_r esponse_body , array[]]	True	
metadata	type_astra_metadata_list	True	

Example response

```
{
  "type": "application/astra-executionHooks",
  "version": "1.3",
  "items": [
    {
      "type": "application/astra-executionHook",
      "version": "1.1",
      "id": "4c64792c-806b-4457-938d-8e325a37c593",
      "name": "Payroll",
      "hookType": "custom",
      "matchingCriteria": [
        {
          "type": "containerImage",
          "value": "payroll"
        },
        {
          "type": "podName",
          "value": "^payroll-master"
        }
      ],
      "action": "snapshot",
      "stage": "pre",
      "hookSourceID": "50e89023-ba84-435d-bb47-1833f4c250ff",
      "arguments": [
        "freeze"
      ],
      "appID": "7be5ae7c-151d-4230-ac39-ac1d0b33c2a9",
      "enabled": "true",
      "description": "Payroll production hook",
      "metadata": {
        "labels": [],
        "creationTimestamp": "2020-08-06T12:24:52.256624Z",
        "modificationTimestamp": "2020-08-06T12:24:52.256624Z",
        "createdBy": "64182074-ddb6-42eb-b7f4-b6a02cf9ba7c"
      }
    },
    {
      "type": "application/astra-executionHook",
      "version": "1.1",
      "id": "6659892c-c621-44e8-a0bb-8dbdf378a2dd",
      "name": "Order Processing",
      "hookType": "custom",
      "matchingCriteria": [
        {
```

```

        "type": "containerName",
        "value": "^order-processing$"
    },
    {
        "type": "podLabel",
        "value": "^app=master$|^app=data$"
    }
],
"action": "snapshot",
"stage": "pre",
"hookSourceID": "63f4d6fd-b7f0-4eaa-9890-0b11123604b1",
"arguments": [
    "freeze"
],
"appID": "7be5ae7c-151d-4230-ac39-ac1d0b33c2a9",
"enabled": "true",
"description": "Order processing hook",
"metadata": {
    "labels": [],
    "creationTimestamp": "2020-08-06T12:24:52.256624Z",
    "modificationTimestamp": "2020-08-06T12:24:52.256624Z",
    "createdBy": "64182074-ddb6-42eb-b7f4-b6a02cf9ba7c"
}
},
{
    "type": "application/astra-executionHook",
    "version": "1.1",
    "id": "6659892c-c621-44e8-a0bb-8dbdf378a2dd",
    "name": "NetApp Postgres Hook",
    "hookType": "netapp",
    "matchingCriteria": [
        {
            "type": "podName",
            "value": "^postgres"
        },
        {
            "type": "containerImage",
            "value": "3.8"
        }
    ],
    "action": "snapshot",
    "stage": "pre",
    "hookSourceID": "3601ed09-1a74-4156-a1bd-9cb7144bac0e",
    "arguments": [
        "freeze"
    ],

```

```

    "enabled": "true",
    "description": "Order processing hook",
    "metadata": {
      "labels": [],
      "creationTimestamp": "2020-08-06T12:24:52.256624Z",
      "modificationTimestamp": "2020-08-06T12:24:52.256624Z",
      "createdBy": "64182074-ddb6-42eb-b7f4-b6a02cf9ba7c"
    }
  },
  {
    "type": "application/astra-executionHook",
    "version": "1.1",
    "id": "6659892c-c621-44e8-a0bb-8dbdf378a2dd",
    "name": "Redis Hook",
    "hookType": "custom",
    "matchingCriteria": [
      {
        "type": "containerName",
        "value": "^redis-01$"
      }
    ],
    "action": "snapshot",
    "stage": "pre",
    "hookSourceID": "3601ed09-1a74-4156-a1bd-9cb7144bac0e",
    "arguments": [
      "freeze"
    ],
    "enabled": "true",
    "description": "Order processing hook",
    "metadata": {
      "labels": [],
      "creationTimestamp": "2020-08-06T12:24:52.256624Z",
      "modificationTimestamp": "2020-08-06T12:24:52.256624Z",
      "createdBy": "64182074-ddb6-42eb-b7f4-b6a02cf9ba7c"
    }
  }
],
"metadata": {
  "labels": [],
  "creationTimestamp": "2022-10-06T20:58:16.305662Z",
  "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
  "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
}
}

```

Response

Status: 401, Unauthorized

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/3",
  "title": "Missing bearer token",
  "detail": "The request is missing the required bearer token.",
  "status": "401"
}
```

Response

Status: 400, Bad request

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	
invalidParams	array[invalidParams]	False	List of invalid query parameters

Example response

```
{
  "type": "https://astra.netapp.io/problems/5",
  "title": "Invalid query parameters",
  "detail": "The supplied query parameters are invalid.",
  "status": "400"
}
```

Response

Status: 403, Forbidden

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

Error

Status: 404, Not found

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	

Name	Type	Required	Description
status	string	True	
correlationID	string	False	

Example error response

```
{
  "type": "https://astra.netapp.io/problems/2",
  "title": "Collection not found",
  "detail": "The collection specified in the request URI wasn't
found.",
  "status": "404"
}
```

Definitions

See Definitions

matchingCriteria

Name	Type	Required	Description
type	string	True	JSON string identifying the match criteria type.
value	string	True	JSON string containing a regex to match for the given match type. Regex syntax: https://github.com/google/re2/wiki/Syntax

type_k8s_label

Name	Type	Required	Description
name	string	True	
value	string	True	

matchingContainers

Name	Type	Required	Description
podName	string	False	JSON string of matching container's pod name.
podLabels	array[type_k8s_label]	False	JSON array of label objects of matching container's pod's labels.
containerImage	string	False	JSON string of matching container's image.
containerName	string	False	JSON string of matching container's name.
namespaceName	string	False	JSON string of matching container's pod's namespace name.

type_astra_label

Name	Type	Required	Description
name	string	True	

Name	Type	Required	Description
value	string	True	

type_astra_metadata_update

Client and service-specified metadata associated with the resource. Defined values are:

- Conforms to the Astra Metadata Schema If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

Name	Type	Required	Description
labels	array[type_astra_label]	False	
creationTimestamp	string	False	
modificationTimestamp	string	False	
createdBy	string	False	
modifiedBy	string	False	

executionHook_1.3_get_response_body

Name	Type	Required	Description
type	string	True	Media type of the resource. Defined values are: <ul style="list-style-type: none"> • "application/astra-executionHook"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none"> • "1.0" • "1.1" • "1.2" • "1.3"
id	string	True	Globally unique identifier of the resource. Defined values are: <ul style="list-style-type: none"> • Conforms to the UUIDv4 Schema

Name	Type	Required	Description
name	string	True	<p>JSON string containing a user-specified name for the resource. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 63 <p>Name must be unique across all execution hook resources.</p>
hookType	string	True	<p>JSON string defining the hook type. Defined values are:</p> <ul style="list-style-type: none"> • "netapp" - NetApp provided execution hook. • "custom" - Tied to a specific app ID. Execution hook resources with hookType "netapp" are read only.
matchingCriteria	array[matchingCriteria]	True	<p>JSON array of JSON objects describing the match criteria for the execution hook. When multiple matchingCriteria are specified a logical AND is applied to criteria. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 10
matchingContainers	array[matchingContainers]	False	<p>JSON array of JSON objects of each container that matches the configured matching criteria within the defined app.</p>

Name	Type	Required	Description
matchingImages	array[string]	False	<p>JSON array of JSON strings for the matching container images. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 4095 • Minimum length: 1 • Maximum length: 255
action	string	True	<p>JSON string indicating which action the execution hook will run assuming the match criteria are met. Defined values are:</p> <ul style="list-style-type: none"> • "snapshot" • "backup" • "restore" • "failover"
stage	string	True	<p>JSON string indicating the stage during the action that the hook will be executed. Defined values are:</p> <ul style="list-style-type: none"> • "pre" - The execution hook will be run before the specified action. • "post" - The execution hook will be run after the specified action. Values for action "snapshot" are "pre" and "post". Values for action "backup" are "pre" and "post". Value for action "restore" is "post". Value for action "failover" is "post".

Name	Type	Required	Description
hookSourceID	string	True	<p>JSON string containing the hook source ID that is run through this execution hook. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
arguments	array[string]	False	<p>JSON array of JSON strings for the arguments to the source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 16 • Minimum length: 0 • Maximum length: 127
appID	string	False	<p>JSON string containing the associated ID of the application that this hook is linked to. In essence, other matching criteria, if set. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
enabled	string	True	<p>JSON string that indicates if the execution hook is enabled. Defined values are:</p> <ul style="list-style-type: none"> • "true" - The execution hook is enabled and will be run as specified. • "false" - The execution hook is disabled and will never run. The default value is "true".

Name	Type	Required	Description
description	string	False	JSON string containing a user-specified description for the hook source. Defined values are: <ul style="list-style-type: none"> • Minimum length: 0 • Maximum length: 511
metadata	type_astra_metadata_update	True	Client and service-specified metadata associated with the resource. Defined values are: <ul style="list-style-type: none"> • Conforms to the Astra Metadata Schema. If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

type_astra_metadata_list

Name	Type	Required	Description
continue	string	False	
count	number	False	
labels	array[type_astra_label]	False	
creationTimestamp	string	False	
modificationTimestamp	string	False	
createdBy	string	False	
modifiedBy	string	False	

invalidParams

Name	Type	Required	Description
name	string	True	Name of the invalid query parameter
reason	string	True	Reason why the query parameter is invalid

Retrieve an execution hook for an app

GET /accounts/{account_id}/k8s/v1/apps/{app_id}/executionHooks/{executionHook_id}

Returns the stored Execution Hook API resource in the JSON response body. Also populates matchingContainers and matchingImages based on the current matchingCriteria and the defined app.

Parameters

Name	Type	In	Required	Description
account_id	string	path	True	ID of the containing account resource <ul style="list-style-type: none"> example: <code>{{.Account}}</code>
app_id	string	path	True	ID of the containing app resource
executionHook_id	string	path	True	ID of the executionHook collection to list

Response

Status: 200, Returns the stored Execution Hook API resource in the JSON response body. Also populates matchingContainers and matchingImages based on the current matchingCriteria and the defined app.

Name	Type	Required	Description
type	string	True	Media type of the resource. Defined values are: <ul style="list-style-type: none"> "application/astra-executionHook"

Name	Type	Required	Description
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none"> • "1.0" • "1.1" • "1.2" • "1.3"
id	string	True	Globally unique identifier of the resource. Defined values are: <ul style="list-style-type: none"> • Conforms to the UUIDv4 Schema
name	string	True	JSON string containing a user-specified name for the resource. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 63 Name must be unique across all execution hook resources.
hookType	string	True	JSON string defining the hook type. Defined values are: <ul style="list-style-type: none"> • "netapp" - NetApp provided execution hook. • "custom" - Tied to a specific app ID. Execution hook resources with hookType "netapp" are read only.

Name	Type	Required	Description
matchingCriteria	array[matchingCriteria]	True	<p>JSON array of JSON objects describing the match criteria for the execution hook. When multiple matchingCriteria are specified a logical AND is applied to criteria. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 10
matchingContainers	array[matchingContainers]	False	<p>JSON array of JSON objects of each container that matches the configured matching criteria within the defined app.</p>
matchingImages	array[string]	False	<p>JSON array of JSON strings for the matching container images. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 4095 • Minimum length: 1 • Maximum length: 255
action	string	True	<p>JSON string indicating which action the execution hook will run assuming the match criteria are met. Defined values are:</p> <ul style="list-style-type: none"> • "snapshot" • "backup" • "restore" • "failover"

Name	Type	Required	Description
stage	string	True	<p>JSON string indicating the stage during the action that the hook will be executed. Defined values are:</p> <ul style="list-style-type: none"> • "pre" - The execution hook will be run before the specified action. • "post" - The execution hook will be run after the specified action. Values for action "snapshot" are "pre" and "post". Values for action "backup" are "pre" and "post". Value for action "restore" is "post". Value for action "failover" is "post".
hookSourceID	string	True	<p>JSON string containing the hook source ID that is run through this execution hook. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
arguments	array[string]	False	<p>JSON array of JSON strings for the arguments to the source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 16 • Minimum length: 0 • Maximum length: 127

Name	Type	Required	Description
appID	string	False	<p>JSON string containing the associated ID of the application that this hook is linked to. In essence, other matching criteria, if set. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
enabled	string	True	<p>JSON string that indicates if the execution hook is enabled. Defined values are:</p> <ul style="list-style-type: none"> • "true" - The execution hook is enabled and will be run as specified. • "false" - The execution hook is disabled and will never run. The default value is "true".
description	string	False	<p>JSON string containing a user-specified description for the hook source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 0 • Maximum length: 511

Name	Type	Required	Description
metadata	type_astra_metadata_update	True	<p>Client and service-specified metadata associated with the resource. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Metadata Schema. If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

Example response

```
{
  "type": "application/astra-executionHook",
  "version": "1.3",
  "id": "5f7e2e31-280d-5984-a28b-2d19ab5b77c0",
  "name": "Payroll",
  "hookType": "custom",
  "matchingCriteria": [
    {
      "type": "podLabel",
      "value": "^env=production$"
    },
    {
      "type": "containerName",
      "value": "^payroll-master"
    }
  ],
  "matchingImages": [
    "docker.io/bitnami/payroll:3.7.8",
    "docker.io/bitnami/payroll:4.1.2"
  ],
  "matchingContainers": [
    {
      "namespaceName": "payroll-east",
      "podName": "payroll-release3-7",
      "podLabels": [
        {
          "name": "env",
          "value": "production"
        },
        {
          "name": "app.kubernetes.io/managed-by",
          "value": "Helm"
        }
      ],
      "containerName": "payroll-master-0",
      "containerImage": "docker.io/bitnami/payroll:3.7.8"
    },
    {
      "namespaceName": "payroll-east",
      "podName": "payroll-release3-7",
      "podLabels": [
        {
          "name": "env",
          "value": "production"
        }
      ]
    }
  ]
}
```

```

    },
    {
      "name": "app.kubernetes.io/managed-by",
      "value": "Helm"
    }
  ],
  "containerName": "payroll-master-1",
  "containerImage": "docker.io/bitnami/payroll:3.7.8"
}
],
"action": "snapshot",
"stage": "pre",
"hookSourceID": "50e89023-ba84-435d-bb47-1833f4c250ff",
"arguments": [
  "freeze"
],
"appID": "7be5ae7c-151d-4230-ac39-ac1d0b33c2a9",
"enabled": "true",
"description": "Payroll production hook",
"metadata": {
  "labels": [],
  "creationTimestamp": "2022-10-06T20:58:16.305662Z",
  "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
  "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
}
}
}

```

Response

Status: 401, Unauthorized

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/3",
  "title": "Missing bearer token",
  "detail": "The request is missing the required bearer token.",
  "status": "401"
}
```

Response

Status: 400, Bad request

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	
invalidParams	array[invalidParams]	False	List of invalid query parameters

Example response

```
{
  "type": "https://astra.netapp.io/problems/5",
  "title": "Invalid query parameters",
  "detail": "The supplied query parameters are invalid.",
  "status": "400"
}
```

Response

Status: 403, Forbidden

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

Error

Status: 404, Not found

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example error response

```
{
  "type": "https://astra.netapp.io/problems/2",
  "title": "Collection not found",
  "detail": "The collection specified in the request URI wasn't
found.",
  "status": "404"
}
```


Definitions

See Definitions

matchingCriteria

Name	Type	Required	Description
type	string	True	JSON string identifying the match criteria type.
value	string	True	JSON string containing a regex to match for the given match type. Regex syntax: https://github.com/google/re2/wiki/Syntax

type_k8s_label

Name	Type	Required	Description
name	string	True	
value	string	True	

matchingContainers

Name	Type	Required	Description
podName	string	False	JSON string of matching container's pod name.
podLabels	array[type_k8s_label]	False	JSON array of label objects of matching container's pod's labels.
containerImage	string	False	JSON string of matching container's image.
containerName	string	False	JSON string of matching container's name.
namespaceName	string	False	JSON string of matching container's pod's namespace name.

type_astra_label

Name	Type	Required	Description
name	string	True	

Name	Type	Required	Description
value	string	True	

type_astra_metadata_update

Client and service-specified metadata associated with the resource. Defined values are:

- Conforms to the Astra Metadata Schema If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

Name	Type	Required	Description
labels	array[type_astra_label]	False	
creationTimestamp	string	False	
modificationTimestamp	string	False	
createdBy	string	False	
modifiedBy	string	False	

invalidParams

Name	Type	Required	Description
name	string	True	Name of the invalid query parameter
reason	string	True	Reason why the query parameter is invalid

Modify an execution hook for an app

PUT /accounts/{account_id}/k8s/v1/apps/{app_id}/executionHooks/{executionHook_id}

Replaces the entire stored resource with the supplied JSON request body while preserving key values that are not user-modifiable.

Side Effects

- Updating an existing execution hook will impact any future actions of applications that use the updated execution hook.

Parameters

Name	Type	In	Required	Description
account_id	string	path	True	ID of the containing account resource <ul style="list-style-type: none"> example: <code>{{.Account}}</code>
app_id	string	path	True	ID of the containing app resource
executionHook_id	string	path	True	ID of the executionHook collection to list

Request Body

Replaces the entire stored resource with the supplied JSON request body while preserving key values that are not user-modifiable.

Side Effects

- Updating an existing execution hook will impact any future actions of applications that use the updated execution hook.

Name	Type	Required	Description
type	string	True	Media type of the resource. Defined values are: <ul style="list-style-type: none"> "application/astra-executionHook"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none"> "1.0" "1.1" "1.2" "1.3"
id	string	False	Globally unique identifier of the resource. Defined values are: <ul style="list-style-type: none"> Conforms to the UUIDv4 Schema

Name	Type	Required	Description
name	string	False	<p>JSON string containing a user-specified name for the resource. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 63 Name must be unique across all execution hook resources.
hookType	string	False	<p>JSON string defining the hook type. Defined values are:</p> <ul style="list-style-type: none"> • "netapp" - NetApp provided execution hook. • "custom" - Tied to a specific app ID. Execution hook resources with hookType "netapp" are read only.
matchingCriteria	array[matchingCriteria]	False	<p>JSON array of JSON objects describing the match criteria for the execution hook. When multiple matchingCriteria are specified a logical AND is applied to criteria. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 10
action	string	False	<p>JSON string indicating which action the execution hook will run assuming the match criteria are met. Defined values are:</p> <ul style="list-style-type: none"> • "snapshot" • "backup" • "restore" • "failover"

Name	Type	Required	Description
stage	string	False	<p>JSON string indicating the stage during the action that the hook will be executed. Defined values are:</p> <ul style="list-style-type: none"> • "pre" - The execution hook will be run before the specified action. • "post" - The execution hook will be run after the specified action. Values for action "snapshot" are "pre" and "post". Values for action "backup" are "pre" and "post". Value for action "restore" is "post". Value for action "failover" is "post".
hookSourceID	string	False	<p>JSON string containing the hook source ID that is run through this execution hook. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
arguments	array[string]	False	<p>JSON array of JSON strings for the arguments to the source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0 • Maximum items: 16 • Minimum length: 0 • Maximum length: 127

Name	Type	Required	Description
appID	string	False	<p>JSON string containing the associated ID of the application that this hook is linked to. In essence, other matching criteria, if set. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
enabled	string	False	<p>JSON string that indicates if the execution hook is enabled. Defined values are:</p> <ul style="list-style-type: none"> • "true" - The execution hook is enabled and will be run as specified. • "false" - The execution hook is disabled and will never run. The default value is "true".
description	string	False	<p>JSON string containing a user-specified description for the hook source. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 0 • Maximum length: 511

Name	Type	Required	Description
metadata	type_astra_metadata_update	False	<p>Client and service-specified metadata associated with the resource. Defined values are:</p> <ul style="list-style-type: none"> Conforms to the Astra Metadata Schema. If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

Example request

```
{
  "type": "application/astra-executionHook",
  "version": "1.3",
  "arguments": [
    "freeze",
    "10"
  ]
}
```

Response

Status: 204, Indicates if the executionHook resource was updated.

Response

Status: 401, Unauthorized

Name	Type	Required	Description
type	string	True	

Name	Type	Required	Description
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/3",
  "title": "Missing bearer token",
  "detail": "The request is missing the required bearer token.",
  "status": "401"
}
```

Response

Status: 400, Bad request

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	
invalidFields	array[invalidFields]	False	List of invalid request body fields

Example response

```
{
  "type": "https://astra.netapp.io/problems/5",
  "title": "Invalid query parameters",
  "detail": "The supplied query parameters are invalid.",
  "status": "400"
}
```

Response

Status: 409, Conflict

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/10",
  "title": "JSON resource conflict",
  "detail": "The request body JSON contains a field that conflicts with
an idempotent value.",
  "status": "409"
}
```

Response

Status: 403, Forbidden

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

Error

Status: 404, Not found

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example error response

```
{
  "type": "https://astra.netapp.io/problems/1",
  "title": "Resource not found",
  "detail": "The resource specified in the request URI wasn't found.",
  "status": "404"
}
```

Definitions

See Definitions

matchingCriteria

Name	Type	Required	Description
type	string	False	JSON string identifying the match criteria type.
value	string	False	JSON string containing a regex to match for the given match type. Regex syntax: https://github.com/google/re2/wiki/Syntax

type_astra_label

Name	Type	Required	Description
name	string	True	
value	string	True	

type_astra_metadata_update

Client and service-specified metadata associated with the resource. Defined values are:

- Conforms to the Astra Metadata Schema If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification.

Name	Type	Required	Description
labels	array[type_astra_label]	False	
creationTimestamp	string	False	
modificationTimestamp	string	False	
createdBy	string	False	
modifiedBy	string	False	

invalidParams

Name	Type	Required	Description
name	string	True	Name of the invalid query parameter
reason	string	True	Reason why the query parameter is invalid

invalidFields

Name	Type	Required	Description
name	string	True	Name of the invalid request body field
reason	string	True	Reason why the request body field is invalid

Delete an execution hook for an app

DELETE

/accounts/{account_id}/k8s/v1/apps/{app_id}/executionHooks/{executionHook_id}

Removes the specified Execution Hook API resource.

Side Effects

- The deleted execution hook will no longer run as part of future actions.

Parameters

Name	Type	In	Required	Description
account_id	string	path	True	ID of the containing account resource <ul style="list-style-type: none">• example: <code>{{.Account}}</code>
app_id	string	path	True	ID of the containing app resource
executionHook_id	string	path	True	ID of the executionHook collection to list

Response

Status: 204, Indicates if the executionHook resource was deleted.

Response

Status: 401, Unauthorized

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/3",
  "title": "Missing bearer token",
  "detail": "The request is missing the required bearer token.",
  "status": "401"
}
```

Response

Status: 400, Bad request

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	
invalidParams	array[invalidParams]	False	List of invalid query parameters

Example response

```
{
  "type": "https://astra.netapp.io/problems/5",
  "title": "Invalid query parameters",
  "detail": "The supplied query parameters are invalid.",
  "status": "400"
}
```

Response

Status: 403, Forbidden

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

Error

Status: 404, Not found

Name	Type	Required	Description
type	string	True	
title	string	True	
detail	string	True	

Name	Type	Required	Description
status	string	True	
correlationID	string	False	

Example error response

```
{
  "type": "https://astra.netapp.io/problems/1",
  "title": "Resource not found",
  "detail": "The resource specified in the request URI wasn't found.",
  "status": "404"
}
```

Definitions

See Definitions

invalidParams

Name	Type	Required	Description
name	string	True	Name of the invalid query parameter
reason	string	True	Reason why the query parameter is invalid

Copyright-Informationen

Copyright © 2024 NetApp. Alle Rechte vorbehalten. Gedruckt in den USA. Dieses urheberrechtlich geschützte Dokument darf ohne die vorherige schriftliche Genehmigung des Urheberrechtinhabers in keiner Form und durch keine Mittel – weder grafische noch elektronische oder mechanische, einschließlich Fotokopieren, Aufnehmen oder Speichern in einem elektronischen Abrufsystem – auch nicht in Teilen, vervielfältigt werden.

Software, die von urheberrechtlich geschütztem NetApp Material abgeleitet wird, unterliegt der folgenden Lizenz und dem folgenden Haftungsausschluss:

DIE VORLIEGENDE SOFTWARE WIRD IN DER VORLIEGENDEN FORM VON NETAPP ZUR VERFÜGUNG GESTELLT, D. H. OHNE JEGLICHE EXPLIZITE ODER IMPLIZITE GEWÄHRLEISTUNG, EINSCHLIESSLICH, JEDOCH NICHT BESCHRÄNKT AUF DIE STILLSCHWEIGENDE GEWÄHRLEISTUNG DER MARKTGÄNGIGKEIT UND EIGNUNG FÜR EINEN BESTIMMTEN ZWECK, DIE HIERMIT AUSGESCHLOSSEN WERDEN. NETAPP ÜBERNIMMT KEINERLEI HAFTUNG FÜR DIREKTE, INDIREKTE, ZUFÄLLIGE, BESONDERE, BEISPIELHAFT SCHÄDEN ODER FOLGESCHÄDEN (EINSCHLIESSLICH, JEDOCH NICHT BESCHRÄNKT AUF DIE BESCHAFFUNG VON ERSATZWAREN ODER -DIENSTLEISTUNGEN, NUTZUNGS-, DATEN- ODER GEWINNVERLUSTE ODER UNTERBRECHUNG DES GESCHÄFTSBETRIEBS), UNABHÄNGIG DAVON, WIE SIE VERURSACHT WURDEN UND AUF WELCHER HAFTUNGSTHEORIE SIE BERUHEN, OB AUS VERTRAGLICH FESTGELEGTER HAFTUNG, VERSCHULDENSUNABHÄNGIGER HAFTUNG ODER DELIKTSHAFTUNG (EINSCHLIESSLICH FAHRLÄSSIGKEIT ODER AUF ANDEREM WEGE), DIE IN IRGEND EINER WEISE AUS DER NUTZUNG DIESER SOFTWARE RESULTIEREN, SELBST WENN AUF DIE MÖGLICHKEIT DERARTIGER SCHÄDEN HINGEWIESEN WURDE.

NetApp behält sich das Recht vor, die hierin beschriebenen Produkte jederzeit und ohne Vorankündigung zu ändern. NetApp übernimmt keine Verantwortung oder Haftung, die sich aus der Verwendung der hier beschriebenen Produkte ergibt, es sei denn, NetApp hat dem ausdrücklich in schriftlicher Form zugestimmt. Die Verwendung oder der Erwerb dieses Produkts stellt keine Lizenzierung im Rahmen eines Patentrechts, Markenrechts oder eines anderen Rechts an geistigem Eigentum von NetApp dar.

Das in diesem Dokument beschriebene Produkt kann durch ein oder mehrere US-amerikanische Patente, ausländische Patente oder anhängige Patentanmeldungen geschützt sein.

ERLÄUTERUNG ZU „RESTRICTED RIGHTS“: Nutzung, Vervielfältigung oder Offenlegung durch die US-Regierung unterliegt den Einschränkungen gemäß Unterabschnitt (b)(3) der Klausel „Rights in Technical Data – Noncommercial Items“ in DFARS 252.227-7013 (Februar 2014) und FAR 52.227-19 (Dezember 2007).

Die hierin enthaltenen Daten beziehen sich auf ein kommerzielles Produkt und/oder einen kommerziellen Service (wie in FAR 2.101 definiert) und sind Eigentum von NetApp, Inc. Alle technischen Daten und die Computersoftware von NetApp, die unter diesem Vertrag bereitgestellt werden, sind gewerblicher Natur und wurden ausschließlich unter Verwendung privater Mittel entwickelt. Die US-Regierung besitzt eine nicht ausschließliche, nicht übertragbare, nicht unterlizenzierbare, weltweite, limitierte unwiderrufliche Lizenz zur Nutzung der Daten nur in Verbindung mit und zur Unterstützung des Vertrags der US-Regierung, unter dem die Daten bereitgestellt wurden. Sofern in den vorliegenden Bedingungen nicht anders angegeben, dürfen die Daten ohne vorherige schriftliche Genehmigung von NetApp, Inc. nicht verwendet, offengelegt, vervielfältigt, geändert, aufgeführt oder angezeigt werden. Die Lizenzrechte der US-Regierung für das US-Verteidigungsministerium sind auf die in DFARS-Klausel 252.227-7015(b) (Februar 2014) genannten Rechte beschränkt.

Markeninformationen

NETAPP, das NETAPP Logo und die unter <http://www.netapp.com/TM> aufgeführten Marken sind Marken von NetApp, Inc. Andere Firmen und Produktnamen können Marken der jeweiligen Eigentümer sein.