



Namespace

Astra Automation

NetApp
December 01, 2023

Inhalt

- Namespace 1
 - Namespace overview 1
 - List the namespaces for a cloud 1
 - Retrieve a namespace for a cloud 11
 - List the namespaces for a cluster 22
 - Retrieve a namespace for a cluster 33
 - List all namespaces 43
 - Retrieve a namespace 53
 - List the namespaces for a managed cluster 63
 - Retrieve a namespace for a managed cluster 74

Namespace

Namespace overview

The Namespace API provides CRUD (read-only) access to namespace resources in order to describe namespaces associated with a given cluster.

List the namespaces for a cloud

GET

```
/accounts/{account_id}/topology/v1/clouds/{cloud_id}/clusters/{cluster_id}/namespaces
```

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>
cloud_id	string	path	True	ID of the containing cloud resource
cluster_id	string	path	True	ID of the containing cluster resource
include	string	query	False	Indicates which fields should be returned when listing a collection. URL examples: "include=id", "include=id,name" OpenAPI examples: "id" <ul style="list-style-type: none">example: <code>id,name,kubernetesLabels</code>

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: namespace_1.1_get_response_body, array[]]	True	
metadata	type_astra_metadata_list	True	

Example response

```
{
  "type": "application/astra-namespaces",
  "version": "1.1",
  "items": [
    [
      "7d451d2f-196e-4234-ae9-7e2376047e63",
      "kube-system",
      [
        {
          "name": "app.kubernetes.io/environment",
          "value": "dev"
        }
      ]
    ],
    [
      "66b0873b-214f-4ac7-89d8-922432f941eb",
      "jenkins",
      [
        {
          "name": "app.kubernetes.io/environment",
          "value": "dev"
        }
      ]
    ]
  ],
  "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	False	
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	False	
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	False	
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	False	

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

type_astra_stateDetails

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

type_astra_label

Name	Type	Required	Description
name	string	True	
value	string	True	

links

Name	Type	Required	Description
rel	string	True	JSON string containing the type of relation that the link indicates. Defined values are: <ul style="list-style-type: none">"canonical" - The preferred link for accessing the resource"collection" - The collection that the resource belongs to
href	string	True	JSON string containing the link. Defined values are:

type_astra_metadata

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

- Conforms to the Astra Metadata Schema

Name	Type	Required	Description
labels	array[type_astra_label]	True	
creationTimestamp	string	True	
modificationTimestamp	string	True	

Name	Type	Required	Description
createdBy	string	True	
modifiedBy	string	False	

namespace_1.1_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-namespace"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none"> • "1.0" • "1.1"
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 value indicating the name of the namespace. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 255

Name	Type	Required	Description
namespaceState	string	True	<p>JSON string containing a value indicating the state of the namespace. Defined values are:</p> <ul style="list-style-type: none"> • "discovered" - The namespace has been found in the cluster • "removed" - The namespace has been deleted from the cluster, or the cluster is not managed but there might be resources referring to the namespace
namespaceStateDetails	array[type_astra_stateDetails]	True	<p>JSON array of JSON objects that lists additional details about why "state" transitioned into "state a", "state b", or "state c". If no details are available, this array will be empty. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0
kubernetesLabels	array[type_astra_label]	False	<p>JSON array of JSON objects, each containing a Kubernetes label associated with the namespace. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Kubernetes Label Array Schema

Name	Type	Required	Description
clusterID	string	True	<p>JSON string containing a globally unique identifier of the cluster that the namespace is contained in. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
systemType	string	False	<p>JSON string that denotes that the namespace is a type of system namespace. This field identifies what type of system namespace, if any, the namespace is (version 1.1 only). Defined values are:</p> <ul style="list-style-type: none"> • "kubernetes" - A generic Kubernetes (K8s) system namespace, for example, "kube-system" • "netapp" - A NetApp system namespace, for example, "trident" or "netapp-monitoring" • "openshift" - An OpenShift system namespace, for example, "openshift-monitoring" • "rke" - A Rancher namespace, for example, "cattle-logging" • "other" - Common system namespaces that don't necessarily fit elsewhere, for example, "ingress-nginx", "tekton-system"

Name	Type	Required	Description
links	array[links]	True	JSON array of JSON objects, each indicating a link relationship associated with the resource. Defined values are: <ul style="list-style-type: none"> • Minimum items: 2
metadata	type_astra_metadata	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

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 a namespace for a cloud

GET

/accounts/{account_id}/topology/v1/clouds/{cloud_id}/clusters/{cluster_id}/namesp

aces/{namespace_id}

Returns the stored Namespace API resource in the JSON response body.

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}}
cloud_id	string	path	True	ID of the containing cloud resource
cluster_id	string	path	True	ID of the containing cluster resource
namespace_id	string	path	True	ID of the namespace collection to list

Response

Status: 200, Returns the stored Namespace API 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-namespace"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none">"1.0""1.1"

Name	Type	Required	Description
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 value indicating the name of the namespace. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 255
namespaceState	string	True	JSON string containing a value indicating the state of the namespace. Defined values are: <ul style="list-style-type: none"> • "discovered" - The namespace has been found in the cluster • "removed" - The namespace has been deleted from the cluster, or the cluster is not managed but there might be resources referring to the namespace
namespaceStateDetails	array[type_astra_stateDetails]	True	JSON array of JSON objects that lists additional details about why "state" transitioned into "state a", "state b", or "state c". If no details are available, this array will be empty. Defined values are: <ul style="list-style-type: none"> • Minimum items: 0

Name	Type	Required	Description
kubernetesLabels	array[type_astra_label]	False	<p>JSON array of JSON objects, each containing a Kubernetes label associated with the namespace. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Kubernetes Label Array Schema
clusterID	string	True	<p>JSON string containing a globally unique identifier of the cluster that the namespace is contained in. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema

Name	Type	Required	Description
systemType	string	False	<p>JSON string that denotes that the namespace is a type of system namespace. This field identifies what type of system namespace, if any, the namespace is (version 1.1 only). Defined values are:</p> <ul style="list-style-type: none"> • "kubernetes" - A generic Kubernetes (K8s) system namespace, for example, "kube-system" • "netapp" - A NetApp system namespace, for example, "trident" or "netapp-monitoring" • "openshift" - An OpenShift system namespace, for example, "openshift-monitoring" • "rke" - A Rancher namespace, for example, "cattle-logging" • "other" - Common system namespaces that don't necessarily fit elsewhere, for example, "ingress-nginx", "tekton-system"
links	array[links]	True	<p>JSON array of JSON objects, each indicating a link relationship associated with the resource. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 2

Name	Type	Required	Description
metadata	type_astra_metadata	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

Example response

```
{
  "type": "application/astra-namespace",
  "version": "1.1",
  "id": "2de811a6-ce8f-512c-9c3a-9585ca66de22",
  "name": "kube-system",
  "namespaceState": "discovered",
  "namespaceStateDetails": [
    {
      "type": "https://astra.netapp.io/stateDetails/9",
      "title": "Namespace Discovered",
      "detail": "The namespace was discovered in the indicated managed
cluster"
    }
  ],
  "kubernetesLabels": [
    {
      "name": "app.kubernetes.io/environment",
      "value": "dev"
    }
  ],
  "clusterID": "0f284377-e5dc-4dcd-bacd-3197f2b8a347",
  "systemType": "kubernetes",
  "links": [
    {
      "rel": "canonical",
      "href": "https://www.astra.io/accounts/0b311ae7-d89a-4a11-a52c-
1349ca090415/topology/v1/namespaces/7d451d2f-196e-4234-ae9-
7e2376047e63"
    },
    {
      "rel": "collection",
      "href": "https://www.astra.io/accounts/0b311ae7-d89a-4a11-a52c-
1349ca090415/topology/v1/clouds/e0490197-872e-4de8-9287-
b04a938e801f/clusters/0f284377-e5dc-4dcd-bacd-3197f2b8a347/namespaces"
    }
  ],
  "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	False	
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	False	
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	False	
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	False	

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

type_astra_stateDetails

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

type_astra_label

Name	Type	Required	Description
name	string	True	
value	string	True	

links

Name	Type	Required	Description
rel	string	True	JSON string containing the type of relation that the link indicates. Defined values are: <ul style="list-style-type: none">"canonical" - The preferred link for accessing the resource"collection" - The collection that the resource belongs to
href	string	True	JSON string containing the link. Defined values are:

type_astra_metadata

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

- Conforms to the Astra Metadata Schema

Name	Type	Required	Description
labels	array[type_astra_label]	True	
creationTimestamp	string	True	
modificationTimestamp	string	True	

Name	Type	Required	Description
createdBy	string	True	
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

List the namespaces for a cluster

GET /accounts/{account_id}/topology/v1/clusters/{cluster_id}/namespaces

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 • example: {{.Account}}
cluster_id	string	path	True	ID of the containing cluster resource

Name	Type	In	Required	Description
include	string	query	False	<p>Indicates which fields should be returned when listing a collection.</p> <p>URL examples: "include=id", "include=id,name"</p> <p>OpenAPI examples: "id"</p> <ul style="list-style-type: none"> example: id,name,kubernetesLabels
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>

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: namespace_1.1_get_response_body , array[]]	True	
metadata	type_astra_metadata_list	True	

Example response

```
{
  "type": "application/astra-namespaces",
  "version": "1.1",
  "items": [
    [
      "7d451d2f-196e-4234-ae9-7e2376047e63",
      "kube-system",
      [
        {
          "name": "app.kubernetes.io/environment",
          "value": "dev"
        }
      ]
    ],
    [
      "66b0873b-214f-4ac7-89d8-922432f941eb",
      "jenkins",
      [
        {
          "name": "app.kubernetes.io/environment",
          "value": "dev"
        }
      ]
    ]
  ],
  "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	

Name	Type	Required	Description
detail	string	False	
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	False	
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	False	
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	False	
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

type_astra_stateDetails

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

type_astra_label

Name	Type	Required	Description
name	string	True	
value	string	True	

links

Name	Type	Required	Description
rel	string	True	JSON string containing the type of relation that the link indicates. Defined values are: <ul style="list-style-type: none">"canonical" - The preferred link for accessing the resource"collection" - The collection that the resource belongs to
href	string	True	JSON string containing the link. Defined values are:

type_astra_metadata

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

- Conforms to the Astra Metadata Schema

Name	Type	Required	Description
labels	array[type_astra_label]	True	
creationTimestamp	string	True	
modificationTimestamp	string	True	

Name	Type	Required	Description
createdBy	string	True	
modifiedBy	string	False	

namespace_1.1_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-namespace"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none"> • "1.0" • "1.1"
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 value indicating the name of the namespace. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 255

Name	Type	Required	Description
namespaceState	string	True	<p>JSON string containing a value indicating the state of the namespace. Defined values are:</p> <ul style="list-style-type: none"> • "discovered" - The namespace has been found in the cluster • "removed" - The namespace has been deleted from the cluster, or the cluster is not managed but there might be resources referring to the namespace
namespaceStateDetails	array[type_astra_stateDetails]	True	<p>JSON array of JSON objects that lists additional details about why "state" transitioned into "state a", "state b", or "state c". If no details are available, this array will be empty. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0
kubernetesLabels	array[type_astra_label]	False	<p>JSON array of JSON objects, each containing a Kubernetes label associated with the namespace. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Kubernetes Label Array Schema

Name	Type	Required	Description
clusterID	string	True	<p>JSON string containing a globally unique identifier of the cluster that the namespace is contained in. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
systemType	string	False	<p>JSON string that denotes that the namespace is a type of system namespace. This field identifies what type of system namespace, if any, the namespace is (version 1.1 only). Defined values are:</p> <ul style="list-style-type: none"> • "kubernetes" - A generic Kubernetes (K8s) system namespace, for example, "kube-system" • "netapp" - A NetApp system namespace, for example, "trident" or "netapp-monitoring" • "openshift" - An OpenShift system namespace, for example, "openshift-monitoring" • "rke" - A Rancher namespace, for example, "cattle-logging" • "other" - Common system namespaces that don't necessarily fit elsewhere, for example, "ingress-nginx", "tekton-system"

Name	Type	Required	Description
links	array[links]	True	JSON array of JSON objects, each indicating a link relationship associated with the resource. Defined values are: <ul style="list-style-type: none"> • Minimum items: 2
metadata	type_astra_metadata	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

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 a namespace for a cluster

GET

/accounts/{account_id}/topology/v1/clusters/{cluster_id}/namespaces/{namespace_id}

}

Returns the stored Namespace API resource in the JSON response body.

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}}
cluster_id	string	path	True	ID of the containing cluster resource
namespace_id	string	path	True	ID of the namespace collection to list

Response

Status: 200, Returns the stored Namespace API 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-namespace"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none">"1.0""1.1"
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	JSON string containing a value indicating the name of the namespace. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 255
namespaceState	string	True	JSON string containing a value indicating the state of the namespace. Defined values are: <ul style="list-style-type: none"> • "discovered" - The namespace has been found in the cluster • "removed" - The namespace has been deleted from the cluster, or the cluster is not managed but there might be resources referring to the namespace
namespaceStateDetails	array[type_astra_stateDetails]	True	JSON array of JSON objects that lists additional details about why "state" transitioned into "state a", "state b", or "state c". If no details are available, this array will be empty. Defined values are: <ul style="list-style-type: none"> • Minimum items: 0
kubernetesLabels	array[type_astra_label]	False	JSON array of JSON objects, each containing a Kubernetes label associated with the namespace. Defined values are: <ul style="list-style-type: none"> • Conforms to the Kubernetes Label Array Schema

Name	Type	Required	Description
clusterID	string	True	<p>JSON string containing a globally unique identifier of the cluster that the namespace is contained in. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
systemType	string	False	<p>JSON string that denotes that the namespace is a type of system namespace. This field identifies what type of system namespace, if any, the namespace is (version 1.1 only). Defined values are:</p> <ul style="list-style-type: none"> • "kubernetes" - A generic Kubernetes (K8s) system namespace, for example, "kube-system" • "netapp" - A NetApp system namespace, for example, "trident" or "netapp-monitoring" • "openshift" - An OpenShift system namespace, for example, "openshift-monitoring" • "rke" - A Rancher namespace, for example, "cattle-logging" • "other" - Common system namespaces that don't necessarily fit elsewhere, for example, "ingress-nginx", "tekton-system"

Name	Type	Required	Description
links	array[links]	True	<p>JSON array of JSON objects, each indicating a link relationship associated with the resource. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 2
metadata	type_astra_metadata	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

Example response

```
{
  "type": "application/astra-namespace",
  "version": "1.1",
  "id": "2de811a6-ce8f-512c-9c3a-9585ca66de22",
  "name": "kube-system",
  "namespaceState": "discovered",
  "namespaceStateDetails": [
    {
      "type": "https://astra.netapp.io/stateDetails/9",
      "title": "Namespace Discovered",
      "detail": "The namespace was discovered in the indicated managed
cluster"
    }
  ],
  "kubernetesLabels": [
    {
      "name": "app.kubernetes.io/environment",
      "value": "dev"
    }
  ],
  "clusterID": "0f284377-e5dc-4dcd-bacd-3197f2b8a347",
  "systemType": "kubernetes",
  "links": [
    {
      "rel": "canonical",
      "href": "https://www.astra.io/accounts/0b311ae7-d89a-4a11-a52c-
1349ca090415/topology/v1/namespaces/7d451d2f-196e-4234-ae9-
7e2376047e63"
    },
    {
      "rel": "collection",
      "href": "https://www.astra.io/accounts/0b311ae7-d89a-4a11-a52c-
1349ca090415/topology/v1/clouds/e0490197-872e-4de8-9287-
b04a938e801f/clusters/0f284377-e5dc-4dcd-bacd-3197f2b8a347/namespaces"
    }
  ],
  "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	False	
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	False	
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	False	
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	False	

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

type_astra_stateDetails

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

type_astra_label

Name	Type	Required	Description
name	string	True	
value	string	True	

links

Name	Type	Required	Description
rel	string	True	JSON string containing the type of relation that the link indicates. Defined values are: <ul style="list-style-type: none">"canonical" - The preferred link for accessing the resource"collection" - The collection that the resource belongs to
href	string	True	JSON string containing the link. Defined values are:

type_astra_metadata

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

- Conforms to the Astra Metadata Schema

Name	Type	Required	Description
labels	array[type_astra_label]	True	
creationTimestamp	string	True	
modificationTimestamp	string	True	

Name	Type	Required	Description
createdBy	string	True	
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

List all namespaces

GET /accounts/{account_id}/topology/v1/namespaces

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> <ul style="list-style-type: none"> example: id,name,kubernetesLabels

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: namespace_1.1_get_response_body, array[]]	True	
metadata	type_astra_metadata_list	True	

Example response

```
{
  "type": "application/astra-namespaces",
  "version": "1.1",
  "items": [
    [
      "7d451d2f-196e-4234-ae9-7e2376047e63",
      "kube-system",
      [
        {
          "name": "app.kubernetes.io/environment",
          "value": "dev"
        }
      ]
    ],
    [
      "66b0873b-214f-4ac7-89d8-922432f941eb",
      "jenkins",
      [
        {
          "name": "app.kubernetes.io/environment",
          "value": "dev"
        }
      ]
    ]
  ],
  "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	False	
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	False	
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	False	
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	False	

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

type_astra_stateDetails

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

type_astra_label

Name	Type	Required	Description
name	string	True	
value	string	True	

links

Name	Type	Required	Description
rel	string	True	JSON string containing the type of relation that the link indicates. Defined values are: <ul style="list-style-type: none">"canonical" - The preferred link for accessing the resource"collection" - The collection that the resource belongs to
href	string	True	JSON string containing the link. Defined values are:

type_astra_metadata

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

- Conforms to the Astra Metadata Schema

Name	Type	Required	Description
labels	array[type_astra_label]	True	
creationTimestamp	string	True	
modificationTimestamp	string	True	

Name	Type	Required	Description
createdBy	string	True	
modifiedBy	string	False	

namespace_1.1_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-namespace"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none"> • "1.0" • "1.1"
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 value indicating the name of the namespace. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 255

Name	Type	Required	Description
namespaceState	string	True	<p>JSON string containing a value indicating the state of the namespace. Defined values are:</p> <ul style="list-style-type: none"> • "discovered" - The namespace has been found in the cluster • "removed" - The namespace has been deleted from the cluster, or the cluster is not managed but there might be resources referring to the namespace
namespaceStateDetails	array[type_astra_stateDetails]	True	<p>JSON array of JSON objects that lists additional details about why "state" transitioned into "state a", "state b", or "state c". If no details are available, this array will be empty. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0
kubernetesLabels	array[type_astra_label]	False	<p>JSON array of JSON objects, each containing a Kubernetes label associated with the namespace. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Kubernetes Label Array Schema

Name	Type	Required	Description
clusterID	string	True	<p>JSON string containing a globally unique identifier of the cluster that the namespace is contained in. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
systemType	string	False	<p>JSON string that denotes that the namespace is a type of system namespace. This field identifies what type of system namespace, if any, the namespace is (version 1.1 only). Defined values are:</p> <ul style="list-style-type: none"> • "kubernetes" - A generic Kubernetes (K8s) system namespace, for example, "kube-system" • "netapp" - A NetApp system namespace, for example, "trident" or "netapp-monitoring" • "openshift" - An OpenShift system namespace, for example, "openshift-monitoring" • "rke" - A Rancher namespace, for example, "cattle-logging" • "other" - Common system namespaces that don't necessarily fit elsewhere, for example, "ingress-nginx", "tekton-system"

Name	Type	Required	Description
links	array[links]	True	JSON array of JSON objects, each indicating a link relationship associated with the resource. Defined values are: <ul style="list-style-type: none"> • Minimum items: 2
metadata	type_astra_metadata	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

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 a namespace

GET /accounts/{account_id}/topology/v1/namespaces/{namespace_id}

Returns the stored Namespace API resource in the JSON response body.

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}}
namespace_id	string	path	True	ID of the namespace collection to list

Response

Status: 200, Returns the stored Namespace API 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-namespace"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none">"1.0""1.1"
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	JSON string containing a value indicating the name of the namespace. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 255
namespaceState	string	True	JSON string containing a value indicating the state of the namespace. Defined values are: <ul style="list-style-type: none"> • "discovered" - The namespace has been found in the cluster • "removed" - The namespace has been deleted from the cluster, or the cluster is not managed but there might be resources referring to the namespace
namespaceStateDetails	array[type_astra_stateDetails]	True	JSON array of JSON objects that lists additional details about why "state" transitioned into "state a", "state b", or "state c". If no details are available, this array will be empty. Defined values are: <ul style="list-style-type: none"> • Minimum items: 0
kubernetesLabels	array[type_astra_label]	False	JSON array of JSON objects, each containing a Kubernetes label associated with the namespace. Defined values are: <ul style="list-style-type: none"> • Conforms to the Kubernetes Label Array Schema

Name	Type	Required	Description
clusterID	string	True	<p>JSON string containing a globally unique identifier of the cluster that the namespace is contained in. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
systemType	string	False	<p>JSON string that denotes that the namespace is a type of system namespace. This field identifies what type of system namespace, if any, the namespace is (version 1.1 only). Defined values are:</p> <ul style="list-style-type: none"> • "kubernetes" - A generic Kubernetes (K8s) system namespace, for example, "kube-system" • "netapp" - A NetApp system namespace, for example, "trident" or "netapp-monitoring" • "openshift" - An OpenShift system namespace, for example, "openshift-monitoring" • "rke" - A Rancher namespace, for example, "cattle-logging" • "other" - Common system namespaces that don't necessarily fit elsewhere, for example, "ingress-nginx", "tekton-system"

Name	Type	Required	Description
links	array[links]	True	<p>JSON array of JSON objects, each indicating a link relationship associated with the resource. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 2
metadata	type_astra_metadata	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

Example response

```
{
  "type": "application/astra-namespace",
  "version": "1.1",
  "id": "2de811a6-ce8f-512c-9c3a-9585ca66de22",
  "name": "kube-system",
  "namespaceState": "discovered",
  "namespaceStateDetails": [
    {
      "type": "https://astra.netapp.io/stateDetails/9",
      "title": "Namespace Discovered",
      "detail": "The namespace was discovered in the indicated managed
cluster"
    }
  ],
  "kubernetesLabels": [
    {
      "name": "app.kubernetes.io/environment",
      "value": "dev"
    }
  ],
  "clusterID": "0f284377-e5dc-4dcd-bacd-3197f2b8a347",
  "systemType": "kubernetes",
  "links": [
    {
      "rel": "canonical",
      "href": "https://www.astra.io/accounts/0b311ae7-d89a-4a11-a52c-
1349ca090415/topology/v1/namespaces/7d451d2f-196e-4234-ae9-
7e2376047e63"
    },
    {
      "rel": "collection",
      "href": "https://www.astra.io/accounts/0b311ae7-d89a-4a11-a52c-
1349ca090415/topology/v1/clouds/e0490197-872e-4de8-9287-
b04a938e801f/clusters/0f284377-e5dc-4dcd-bacd-3197f2b8a347/namespaces"
    }
  ],
  "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	False	
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	False	
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	False	
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	False	

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

type_astra_stateDetails

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

type_astra_label

Name	Type	Required	Description
name	string	True	
value	string	True	

links

Name	Type	Required	Description
rel	string	True	JSON string containing the type of relation that the link indicates. Defined values are: <ul style="list-style-type: none">"canonical" - The preferred link for accessing the resource"collection" - The collection that the resource belongs to
href	string	True	JSON string containing the link. Defined values are:

type_astra_metadata

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

- Conforms to the Astra Metadata Schema

Name	Type	Required	Description
labels	array[type_astra_label]	True	
creationTimestamp	string	True	
modificationTimestamp	string	True	

Name	Type	Required	Description
createdBy	string	True	
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

List the namespaces for a managed cluster

GET

/accounts/{account_id}/topology/v1/managedClusters/{managedCluster_id}/namespaces

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 • example: {{.Account}}
managedCluster_id	string	path	True	ID of the containing managedCluster resource

Name	Type	In	Required	Description
include	string	query	False	<p>Indicates which fields should be returned when listing a collection.</p> <p>URL examples: "include=id", "include=id,name"</p> <p>OpenAPI examples: "id"</p> <ul style="list-style-type: none"> example: id,name,kubernetesLabels
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>

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: namespace_1.1_get_response_body, array[]]	True	
metadata	type_astra_metadata_list	True	

Example response

```
{
  "type": "application/astra-namespaces",
  "version": "1.1",
  "items": [
    [
      "7d451d2f-196e-4234-ae9-7e2376047e63",
      "kube-system",
      [
        {
          "name": "app.kubernetes.io/environment",
          "value": "dev"
        }
      ]
    ],
    [
      "66b0873b-214f-4ac7-89d8-922432f941eb",
      "jenkins",
      [
        {
          "name": "app.kubernetes.io/environment",
          "value": "dev"
        }
      ]
    ]
  ],
  "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	

Name	Type	Required	Description
detail	string	False	
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	False	
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	False	
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	False	
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

type_astra_stateDetails

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

type_astra_label

Name	Type	Required	Description
name	string	True	
value	string	True	

links

Name	Type	Required	Description
rel	string	True	JSON string containing the type of relation that the link indicates. Defined values are: <ul style="list-style-type: none">"canonical" - The preferred link for accessing the resource"collection" - The collection that the resource belongs to
href	string	True	JSON string containing the link. Defined values are:

type_astra_metadata

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

- Conforms to the Astra Metadata Schema

Name	Type	Required	Description
labels	array[type_astra_label]	True	
creationTimestamp	string	True	
modificationTimestamp	string	True	

Name	Type	Required	Description
createdBy	string	True	
modifiedBy	string	False	

namespace_1.1_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-namespace"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none"> • "1.0" • "1.1"
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 value indicating the name of the namespace. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 255

Name	Type	Required	Description
namespaceState	string	True	<p>JSON string containing a value indicating the state of the namespace. Defined values are:</p> <ul style="list-style-type: none"> • "discovered" - The namespace has been found in the cluster • "removed" - The namespace has been deleted from the cluster, or the cluster is not managed but there might be resources referring to the namespace
namespaceStateDetails	array[type_astra_stateDetails]	True	<p>JSON array of JSON objects that lists additional details about why "state" transitioned into "state a", "state b", or "state c". If no details are available, this array will be empty. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 0
kubernetesLabels	array[type_astra_label]	False	<p>JSON array of JSON objects, each containing a Kubernetes label associated with the namespace. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Kubernetes Label Array Schema

Name	Type	Required	Description
clusterID	string	True	<p>JSON string containing a globally unique identifier of the cluster that the namespace is contained in. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
systemType	string	False	<p>JSON string that denotes that the namespace is a type of system namespace. This field identifies what type of system namespace, if any, the namespace is (version 1.1 only). Defined values are:</p> <ul style="list-style-type: none"> • "kubernetes" - A generic Kubernetes (K8s) system namespace, for example, "kube-system" • "netapp" - A NetApp system namespace, for example, "trident" or "netapp-monitoring" • "openshift" - An OpenShift system namespace, for example, "openshift-monitoring" • "rke" - A Rancher namespace, for example, "cattle-logging" • "other" - Common system namespaces that don't necessarily fit elsewhere, for example, "ingress-nginx", "tekton-system"

Name	Type	Required	Description
links	array[links]	True	JSON array of JSON objects, each indicating a link relationship associated with the resource. Defined values are: <ul style="list-style-type: none"> • Minimum items: 2
metadata	type_astra_metadata	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

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 a namespace for a managed cluster

GET

/accounts/{account_id}/topology/v1/managedClusters/{managedCluster_id}/namespaces

`/{{namespace_id}}`

Returns the stored Namespace API resource in the JSON response body.

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}}
managedCluster_id	string	path	True	ID of the containing managedCluster resource
namespace_id	string	path	True	ID of the namespace collection to list

Response

Status: 200, Returns the stored Namespace API 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-namespace"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none">"1.0""1.1"
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	JSON string containing a value indicating the name of the namespace. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 255
namespaceState	string	True	JSON string containing a value indicating the state of the namespace. Defined values are: <ul style="list-style-type: none"> • "discovered" - The namespace has been found in the cluster • "removed" - The namespace has been deleted from the cluster, or the cluster is not managed but there might be resources referring to the namespace
namespaceStateDetails	array[type_astra_stateDetails]	True	JSON array of JSON objects that lists additional details about why "state" transitioned into "state a", "state b", or "state c". If no details are available, this array will be empty. Defined values are: <ul style="list-style-type: none"> • Minimum items: 0
kubernetesLabels	array[type_astra_label]	False	JSON array of JSON objects, each containing a Kubernetes label associated with the namespace. Defined values are: <ul style="list-style-type: none"> • Conforms to the Kubernetes Label Array Schema

Name	Type	Required	Description
clusterID	string	True	<p>JSON string containing a globally unique identifier of the cluster that the namespace is contained in. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema
systemType	string	False	<p>JSON string that denotes that the namespace is a type of system namespace. This field identifies what type of system namespace, if any, the namespace is (version 1.1 only). Defined values are:</p> <ul style="list-style-type: none"> • "kubernetes" - A generic Kubernetes (K8s) system namespace, for example, "kube-system" • "netapp" - A NetApp system namespace, for example, "trident" or "netapp-monitoring" • "openshift" - An OpenShift system namespace, for example, "openshift-monitoring" • "rke" - A Rancher namespace, for example, "cattle-logging" • "other" - Common system namespaces that don't necessarily fit elsewhere, for example, "ingress-nginx", "tekton-system"

Name	Type	Required	Description
links	array[links]	True	<p>JSON array of JSON objects, each indicating a link relationship associated with the resource. Defined values are:</p> <ul style="list-style-type: none"> • Minimum items: 2
metadata	type_astra_metadata	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

Example response

```
{
  "type": "application/astra-namespace",
  "version": "1.1",
  "id": "2de811a6-ce8f-512c-9c3a-9585ca66de22",
  "name": "kube-system",
  "namespaceState": "discovered",
  "namespaceStateDetails": [
    {
      "type": "https://astra.netapp.io/stateDetails/9",
      "title": "Namespace Discovered",
      "detail": "The namespace was discovered in the indicated managed
cluster"
    }
  ],
  "kubernetesLabels": [
    {
      "name": "app.kubernetes.io/environment",
      "value": "dev"
    }
  ],
  "clusterID": "0f284377-e5dc-4dcd-bacd-3197f2b8a347",
  "systemType": "kubernetes",
  "links": [
    {
      "rel": "canonical",
      "href": "https://www.astra.io/accounts/0b311ae7-d89a-4a11-a52c-
1349ca090415/topology/v1/namespaces/7d451d2f-196e-4234-ae9-
7e2376047e63"
    },
    {
      "rel": "collection",
      "href": "https://www.astra.io/accounts/0b311ae7-d89a-4a11-a52c-
1349ca090415/topology/v1/clouds/e0490197-872e-4de8-9287-
b04a938e801f/clusters/0f284377-e5dc-4dcd-bacd-3197f2b8a347/namespaces"
    }
  ],
  "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	False	
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	False	
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	False	
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	False	

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

type_astra_stateDetails

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

type_astra_label

Name	Type	Required	Description
name	string	True	
value	string	True	

links

Name	Type	Required	Description
rel	string	True	JSON string containing the type of relation that the link indicates. Defined values are: <ul style="list-style-type: none">"canonical" - The preferred link for accessing the resource"collection" - The collection that the resource belongs to
href	string	True	JSON string containing the link. Defined values are:

type_astra_metadata

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

- Conforms to the Astra Metadata Schema

Name	Type	Required	Description
labels	array[type_astra_label]	True	
creationTimestamp	string	True	
modificationTimestamp	string	True	

Name	Type	Required	Description
createdBy	string	True	
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

Copyright-Informationen

Copyright © 2023 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, BEISPIELHAFTE 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.