



Group

Astra Automation

NetApp
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Group

Group overview

The Group API provides access to Astra group resources.

Create a new group

POST /accounts/{account_id}/core/v1/groups

Indicates the desired values for the Group 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 Group 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-group"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none">"1.0""1.1"

Name	Type	Required	Description
name	string	False	<p>The name of the group resource. If not specified on create, the value will be set to</p> <ul style="list-style-type: none"> • first Common Name (CN) Relative Distinguished Names (RDN) if found in the authID, • authID, otherwise. If not specified on update, the value will be preserved without modification. Defined values are: • Minimum length: 1 • Maximum length: 2048
authProvider	string	True	<p>The authentication provider for the group resource. Defined values are:</p> <ul style="list-style-type: none"> • "ldap"
authID	string	True	<p>The Distinguished Name (DN) for an LDAP group. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 2048

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-group",
  "version": "1.1",
  "name": "engineering-group",
  "authProvider": "ldap",
  "authID": "CN=Engineering,CN=Groups,DC=example,DC=com"
}
```

Response

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

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

Name	Type	Required	Description
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	The name of the group resource. If not specified on create, the value will be set to <ul style="list-style-type: none"> • first Common Name (CN) Relative Distinguished Names (RDN) if found in the authID, • authID, otherwise. If not specified on update, the value will be preserved without modification. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 2048
authProvider	string	True	The authentication provider for the group resource. Defined values are: <ul style="list-style-type: none"> • "Idap"
authID	string	True	The Distinguished Name (DN) for an LDAP group. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 2048

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-group",
  "version": "1.1",
  "id": "77754011-b93f-515e-a145-5a343aecdece",
  "name": "engineering-group",
  "authProvider": "ldap",
  "authID": "CN=Engineering,CN=Groups,DC=example,DC=com",
  "metadata": {
    "labels": [],
    "creationTimestamp": "2022-10-06T20:58:16.305662Z",
    "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
    "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
  }
}
```

Response

Status: 409, Conflict

Name	Type	Required	Description
type	string	True	

Name	Type	Required	Description
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/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/14",
  "title": "Unauthorized access",
  "detail": "The user isn't enabled.",
  "status": "403"
}
```


Response

Status: 406, Not acceptable

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/32",
  "title": "Unsupported content type",
  "detail": "The response can't be returned in the requested format.",
  "status": "406"
}
```

Response

Status: 500, Internal server error

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/34",
  "title": "Internal server error",
  "detail": "The server was unable to process this request.",
  "status": "500"
}
```

Error

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 error response

```
{
  "type": "https://astra.netapp.io/problems/7",
  "title": "Invalid JSON payload",
  "detail": "The request body is not valid JSON.",
  "status": "400"
}
```

Definitions

See Definitions

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

List all groups

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

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: {{.Account}}
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: id,authProvider, authID
limit	string	query	False	Indicates the maximum number of resources to return when listing a collection. URL examples: "limit=2" OpenAPI examples: "2"

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>
orderBy	string	query	False	<p>Indicates the sort order of resource when listing a collection.</p> <p>URL examples: "orderBy=name", "orderBy=name%20desc"</p> <p>OpenAPI examples: "name desc"</p>
skip	string	query	False	<p>Indicates the number of resources to skip over when listing a collection.</p> <p>URL examples: "skip=1"</p> <p>OpenAPI examples: "1"</p>

Name	Type	In	Required	Description
count	string	query	False	Indicates if the total number of resources should be returned in the metadata object. URL examples: "count=true" OpenAPI examples: "true"
continue		query	False	Indicates the token to resume listing from. URL examples: "continue=<continue token="" from="" collection="" metadata=""></continue> OpenAPI examples: "<continue token="" from="" collection="" metadata=""></continue></continue>"

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: group_1.1_get_response_body , array[]]	True	
metadata	type_astra_metadata_list	True	

Example response

```
{
  "type": "application/astra-groups",
  "version": "1.1",
  "items": [
    [
      "11c0cfa1-4f27-4ef7-a21c-cb452fc5c9aa",
      "ldap",
      "CN=Testers,CN=groups,DC=example,DC=com"
    ],
    [
      "e324ec3a-706d-4f57-a95d-1d88c03e7b73",
      "ldap",
      "CN=Admins,CN=groups,DC=example,DC=com"
    ],
    [
      "3070c84d-129b-4017-82a8-2c26a42dd77e",
      "ldap",
      "CN=SREs,CN=groups,DC=example,DC=com"
    ]
  ],
  "metadata": {
    "labels": [],
    "creationTimestamp": "2022-10-06T20:58:16.305662Z",
    "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
    "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
  }
}
```

Response

Status: 400, Bad request

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

Name	Type	Required	Description
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: 500, Internal server error

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/34",
  "title": "Internal server error",
  "detail": "The server was unable to process this request.",
  "status": "500"
}
```

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

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	

group_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-group"
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	<p>The name of the group resource. If not specified on create, the value will be set to</p> <ul style="list-style-type: none"> • first Common Name (CN) Relative Distinguished Names (RDN) if found in the authID, • authID, otherwise. If not specified on update, the value will be preserved without modification. Defined values are: • Minimum length: 1 • Maximum length: 2048
authProvider	string	True	<p>The authentication provider for the group resource. Defined values are:</p> <ul style="list-style-type: none"> • "ldap"
authID	string	True	<p>The Distinguished Name (DN) for an LDAP group. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 2048

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.

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 group

GET /accounts/{account_id}/core/v1/groups/{group_id}

Returns the stored Group 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: <code>{{.Account}}</code>
group_id	string	path	True	ID of the group collection to list

Response

Status: 200, Returns the stored Group 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-group"
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	<p>The name of the group resource. If not specified on create, the value will be set to</p> <ul style="list-style-type: none"> • first Common Name (CN) Relative Distinguished Names (RDN) if found in the authID, • authID, otherwise. If not specified on update, the value will be preserved without modification. Defined values are: • Minimum length: 1 • Maximum length: 2048
authProvider	string	True	<p>The authentication provider for the group resource. Defined values are:</p> <ul style="list-style-type: none"> • "ldap"
authID	string	True	<p>The Distinguished Name (DN) for an LDAP group. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 2048

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-group",
  "version": "1.1",
  "id": "77754011-b93f-515e-a145-5a343aecdece",
  "name": "engineering-group",
  "authProvider": "ldap",
  "authID": "CN=Engineering,CN=groups,DC=example,DC=com",
  "metadata": {
    "labels": [],
    "creationTimestamp": "2022-10-06T20:58:16.305662Z",
    "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
    "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
  }
}
```

Response

Status: 403, Forbidden

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/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

Response

Status: 400, Bad request

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/12",
  "title": "Invalid headers",
  "detail": "The request headers are invalid.",
  "status": "400"
}
```

Response

Status: 500, Internal server error

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/34",
  "title": "Internal server error",
  "detail": "The server was unable to process this request.",
  "status": "500"
}
```

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

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

Modify a group

PUT /accounts/{account_id}/core/v1/groups/{group_id}

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

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>
group_id	string	path	True	ID of the group 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.

Name	Type	Required	Description
type	string	True	Media type of the resource. Defined values are: <ul style="list-style-type: none">"application/astra-group"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none">"1.0""1.1"
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>The name of the group resource. If not specified on create, the value will be set to</p> <ul style="list-style-type: none"> • first Common Name (CN) Relative Distinguished Names (RDN) if found in the authID, • authID, otherwise. If not specified on update, the value will be preserved without modification. Defined values are: • Minimum length: 1 • Maximum length: 2048
authProvider	string	False	<p>The authentication provider for the group resource. Defined values are:</p> <ul style="list-style-type: none"> • "ldap"
authID	string	False	<p>The Distinguished Name (DN) for an LDAP group. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 2048

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-group",
  "version": "1.1",
  "name": "my-qa-group",
  "authID": "CN=QA,CN=Groups,DC=example,DC=com"
}
```

Response

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

Response

Status: 400, Bad request

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

Name	Type	Required	Description
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/7",
  "title": "Invalid JSON payload",
  "detail": "The request body is not valid JSON.",
  "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"
}
```

Response

Status: 500, Internal server error

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/34",
  "title": "Internal server error",
  "detail": "The server was unable to process this request.",
  "status": "500"
}
```

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

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

Delete a group

DELETE /accounts/{account_id}/core/v1/groups/{group_id}

Removes the specified Group API resource.

Side Effects

- The following resources associated with the group are deleted:
- Role bindings referring to the group

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>
group_id	string	path	True	ID of the group collection to list

Response

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

Response

Status: 400, Bad request

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/12",
  "title": "Invalid headers",
  "detail": "The request headers are invalid.",
  "status": "400"
}
```

Response

Status: 500, Internal server error

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/34",
  "title": "Internal server error",
  "detail": "The server was unable to process this request.",
  "status": "500"
}
```

Error

Status: 403, Forbidden

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/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

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 group for a user

POST /accounts/{account_id}/core/v1/users/{user_id}/groups

Indicates the desired values for the Group 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: <code>{{.Account}}</code>
user_id	string	path	True	ID of the containing user resource

Request Body

Indicates the desired values for the Group 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-group"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none"> • "1.0" • "1.1"
name	string	False	The name of the group resource. If not specified on create, the value will be set to <ul style="list-style-type: none"> • first Common Name (CN) Relative Distinguished Names (RDN) if found in the authID, • authID, otherwise. If not specified on update, the value will be preserved without modification. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 2048
authProvider	string	True	The authentication provider for the group resource. Defined values are: <ul style="list-style-type: none"> • "Idap"
authID	string	True	The Distinguished Name (DN) for an LDAP group. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 2048

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-group",
  "version": "1.1",
  "name": "engineering-group",
  "authProvider": "ldap",
  "authID": "CN=Engineering,CN=Groups,DC=example,DC=com"
}
```

Response

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

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

Name	Type	Required	Description
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	The name of the group resource. If not specified on create, the value will be set to <ul style="list-style-type: none"> • first Common Name (CN) Relative Distinguished Names (RDN) if found in the authID, • authID, otherwise. If not specified on update, the value will be preserved without modification. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 2048
authProvider	string	True	The authentication provider for the group resource. Defined values are: <ul style="list-style-type: none"> • "Idap"
authID	string	True	The Distinguished Name (DN) for an LDAP group. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 2048

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-group",
  "version": "1.1",
  "id": "77754011-b93f-515e-a145-5a343aecdece",
  "name": "engineering-group",
  "authProvider": "ldap",
  "authID": "CN=Engineering,CN=Groups,DC=example,DC=com",
  "metadata": {
    "labels": [],
    "creationTimestamp": "2022-10-06T20:58:16.305662Z",
    "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
    "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
  }
}
```

Response

Status: 409, Conflict

Name	Type	Required	Description
type	string	True	

Name	Type	Required	Description
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/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/14",
  "title": "Unauthorized access",
  "detail": "The user isn't enabled.",
  "status": "403"
}
```


Response

Status: 406, Not acceptable

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/32",
  "title": "Unsupported content type",
  "detail": "The response can't be returned in the requested format.",
  "status": "406"
}
```

Response

Status: 500, Internal server error

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/34",
  "title": "Internal server error",
  "detail": "The server was unable to process this request.",
  "status": "500"
}
```

Error

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 error response

```
{
  "type": "https://astra.netapp.io/problems/7",
  "title": "Invalid JSON payload",
  "detail": "The request body is not valid JSON.",
  "status": "400"
}
```

Definitions

See Definitions

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

List groups for a user

GET /accounts/{account_id}/core/v1/users/{user_id}/groups

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: {{.Account}}
user_id	string	path	True	ID of the containing user 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: id,authProvider, authID
limit	string	query	False	Indicates the maximum number of resources to return when listing a collection. URL examples: "limit=2" OpenAPI examples: "2"

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>
orderBy	string	query	False	<p>Indicates the sort order of resource when listing a collection.</p> <p>URL examples: "orderBy=name", "orderBy=name%20desc"</p> <p>OpenAPI examples: "name desc"</p>
skip	string	query	False	<p>Indicates the number of resources to skip over when listing a collection.</p> <p>URL examples: "skip=1"</p> <p>OpenAPI examples: "1"</p>

Name	Type	In	Required	Description
count	string	query	False	Indicates if the total number of resources should be returned in the metadata object. URL examples: "count=true" OpenAPI examples: "true"
continue		query	False	Indicates the token to resume listing from. URL examples: "continue=<continue token="" from="" collection="" metadata=""></continue> OpenAPI examples: "<continue token="" from="" collection="" metadata=""></continue></continue>"

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: group_1.1_get_response_body , array[]]	True	
metadata	type_astra_metadata_list	True	

Example response

```
{
  "type": "application/astra-groups",
  "version": "1.1",
  "items": [
    [
      "11c0cfa1-4f27-4ef7-a21c-cb452fc5c9aa",
      "ldap",
      "CN=Testers,CN=groups,DC=example,DC=com"
    ],
    [
      "e324ec3a-706d-4f57-a95d-1d88c03e7b73",
      "ldap",
      "CN=Admins,CN=groups,DC=example,DC=com"
    ],
    [
      "3070c84d-129b-4017-82a8-2c26a42dd77e",
      "ldap",
      "CN=SREs,CN=groups,DC=example,DC=com"
    ]
  ],
  "metadata": {
    "labels": [],
    "creationTimestamp": "2022-10-06T20:58:16.305662Z",
    "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
    "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
  }
}
```

Response

Status: 400, Bad request

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

Name	Type	Required	Description
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: 500, Internal server error

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/34",
  "title": "Internal server error",
  "detail": "The server was unable to process this request.",
  "status": "500"
}
```

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

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	

group_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-group"
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	<p>The name of the group resource. If not specified on create, the value will be set to</p> <ul style="list-style-type: none"> • first Common Name (CN) Relative Distinguished Names (RDN) if found in the authID, • authID, otherwise. If not specified on update, the value will be preserved without modification. Defined values are: • Minimum length: 1 • Maximum length: 2048
authProvider	string	True	<p>The authentication provider for the group resource. Defined values are:</p> <ul style="list-style-type: none"> • "ldap"
authID	string	True	<p>The Distinguished Name (DN) for an LDAP group. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 2048

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.

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 group for a user

GET /accounts/{account_id}/core/v1/users/{user_id}/groups/{group_id}

Returns the stored Group 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}}
user_id	string	path	True	ID of the containing user resource
group_id	string	path	True	ID of the group collection to list

Response

Status: 200, Returns the stored Group 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-group"
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	<p>The name of the group resource. If not specified on create, the value will be set to</p> <ul style="list-style-type: none"> • first Common Name (CN) Relative Distinguished Names (RDN) if found in the authID, • authID, otherwise. If not specified on update, the value will be preserved without modification. Defined values are: • Minimum length: 1 • Maximum length: 2048
authProvider	string	True	<p>The authentication provider for the group resource. Defined values are:</p> <ul style="list-style-type: none"> • "ldap"
authID	string	True	<p>The Distinguished Name (DN) for an LDAP group. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 2048

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-group",
  "version": "1.1",
  "id": "77754011-b93f-515e-a145-5a343aecdece",
  "name": "engineering-group",
  "authProvider": "ldap",
  "authID": "CN=Engineering,CN=groups,DC=example,DC=com",
  "metadata": {
    "labels": [],
    "creationTimestamp": "2022-10-06T20:58:16.305662Z",
    "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
    "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
  }
}
```

Response

Status: 403, Forbidden

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/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

Response

Status: 400, Bad request

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/12",
  "title": "Invalid headers",
  "detail": "The request headers are invalid.",
  "status": "400"
}
```

Response

Status: 500, Internal server error

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/34",
  "title": "Internal server error",
  "detail": "The server was unable to process this request.",
  "status": "500"
}
```

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

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

Modify a group for a user

PUT /accounts/{account_id}/core/v1/users/{user_id}/groups/{group_id}

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

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>
user_id	string	path	True	ID of the containing user resource
group_id	string	path	True	ID of the group 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.

Name	Type	Required	Description
type	string	True	Media type of the resource. Defined values are: <ul style="list-style-type: none">"application/astra-group"
version	string	True	Version of the resource. Defined values are: <ul style="list-style-type: none">"1.0""1.1"
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>The name of the group resource. If not specified on create, the value will be set to</p> <ul style="list-style-type: none"> • first Common Name (CN) Relative Distinguished Names (RDN) if found in the authID, • authID, otherwise. If not specified on update, the value will be preserved without modification. Defined values are: • Minimum length: 1 • Maximum length: 2048
authProvider	string	False	<p>The authentication provider for the group resource. Defined values are:</p> <ul style="list-style-type: none"> • "ldap"
authID	string	False	<p>The Distinguished Name (DN) for an LDAP group. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 2048

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-group",
  "version": "1.1",
  "name": "my-qa-group",
  "authID": "CN=QA,CN=Groups,DC=example,DC=com"
}
```

Response

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

Response

Status: 400, Bad request

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

Name	Type	Required	Description
status	string	True	
correlationID	string	False	

Example response

```
{
  "type": "https://astra.netapp.io/problems/7",
  "title": "Invalid JSON payload",
  "detail": "The request body is not valid JSON.",
  "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"
}
```

Response

Status: 500, Internal server error

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/34",
  "title": "Internal server error",
  "detail": "The server was unable to process this request.",
  "status": "500"
}
```

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

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

Delete a group for a user

```
DELETE /accounts/{account_id}/core/v1/users/{user_id}/groups/{group_id}
```

Removes the specified Group API resource.

Side Effects

- The following resources associated with the group are deleted:
- Role bindings referring to the group

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>
user_id	string	path	True	ID of the containing user resource
group_id	string	path	True	ID of the group collection to list

Response

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

Response

Status: 400, Bad request

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/12",
  "title": "Invalid headers",
  "detail": "The request headers are invalid.",
  "status": "400"
}
```

Response

Status: 500, Internal server error

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/34",
  "title": "Internal server error",
  "detail": "The server was unable to process this request.",
  "status": "500"
}
```

Error

Status: 403, Forbidden

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/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

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

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