Identity and access

Astra Automation

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Identity and access

List the users

You can list the users that are defined for a specific Astra account.

HTTP method and endpoint

This REST API call uses the following method and endpoint.

HTTP method	Path
GET	/accounts/{account_id}/core/v1/users

Additional input parameters

In addition to the parameters common with all REST API calls, the following parameters are also used in the curl examples for this step.

Parameter	Type	Required	Description
include	Query	No	Optionally select the values you want returned in the response.

Curl example: Return all data for all users

```
curl --request GET \
--location "https://astra.netapp.io/accounts/$ACCOUNT_ID/core/v1/users" \
--include \
--header "Accept: */*" \
--header "Authorization: Bearer $API_TOKEN"
```

Curl example: Return the first name, last name, and id for all user

```
curl --request GET \
--location
"https://astra.netapp.io/accounts/$ACCOUNT_ID/core/v1/users?include=firstN
ame,lastName,id" \
--include \
--header "Accept: */*" \
--header "Authorization: Bearer $API_TOKEN"
```

JSON output example

```
{
  "items": [
    [
    "David",
    "Anderson",
    "844ec6234-11e0-49ea-8434-a992a6270ec1"
    ],
    [
      "Jane",
      "Cohen",
      "2a3e227c-fda7-4145-a86c-ed9aa0183a6c"
    ]
  ],
  "metadata": {}
}
```

Create a user

You can create a user with specific credentials and a pre-defined role. You can also optionally restrict the user's access to specific namespaces.

Step 1: Select a user name

Perform the workflow List users and select an available name not currently in use.

Step 2: Create the user

Perform the following REST API call to create a user. After successful completion of the call, the new user will not yet be usable.

HTTP method and endpoint

This REST API call uses the following method and endpoint.

HTTP method	Path
POST	/accounts/{account_id}/core/v1/users

Curl example

```
curl --request POST \
--location "https://astra.netapp.io/accounts/$ACCOUNT_ID/core/v1/users" \
--include \
--header "Accept: */*" \
--header "Authorization: Bearer $API_TOKEN" \
--data  @JSONinput
```

JSON input example

```
{
  "type" :  "application/astra-user",
  "version" : "1.1",
  "firstName" : "John",
  "lastName" : "West",
  "email" : "jwest@example.com"
}
```

JSON output example

```
{
    "metadata": {
        "creationTimestamp": "2022-11-20T17:23:15Z",
        "modificationTimestamp": "2022-11-20T17:23:15Z",
        "createdBy": "a20e91f3-2c49-443b-b240-615d940ec5f3",
        "labels": []
    },
    "type": "application/astra-user",
    "version": "1.2",
    "id": "d07dac0a-a328-4840-a216-12de16bbd484",
    "authProvider": "local",
    "authID": "jwest@example.com",
    "firstName": "John",
    "lastName": "West",
    "companyName": "",
    "email": "jwest@example.com",
    "postalAddress": {
        "addressCountry": "",
        "addressLocality": "",
        "addressRegion": "",
        "streetAddress1": "",
        "streetAddress2": "",
        "postalCode": ""
    },
    "state": "active",
    "sendWelcomeEmail": "false",
    "isEnabled": "true",
    "isInviteAccepted": "true",
    "enableTimestamp": "2022-11-20T17:23:15Z",
    "lastActTimestamp": ""
}
```

Step 3: Optionally select the allowed namespaces

Perform the workflow List the namespaces and select the namespaces you want to restrict access to.

Step 4: Bind the user to a role

Perform the following REST API call to bind the user to a role. The example below places no restrictions on the namespace access. See Enhanced RBAC with namespace granularity for more information.

HTTP method and endpoint

This REST API call uses the following method and endpoint.

HTTP method	Path
POST	/accounts/{account_id}/core/v1/roleBindings

Curl example

```
curl --request POST \
--location
"https://astra.netapp.io/accounts/$ACCOUNT_ID/core/v1/roleBindings" \
--include \
--header "Accept: */*" \
--header "Authorization: Bearer $API_TOKEN" \
--data  @JSONinput
```

JSON input example

```
{
  "type" :  "application/astra-roleBinding",
  "version" : "1.1",
  "userID" : "d07dac0a-a328-4840-a216-12de16bbd484",
  "accountID" : "29e1f39f-2bf4-44ba-a191-5b84ef414c95",
  "role" : "viewer",
  "roleConstraints": [ "*" ]
}
```

Step 5: Create a credential

Perform the following REST API call to create a credential and associate it with the user. This example uses a password which is provided as a base64 value. The `name` property should contain the ID of the user returned in the previous step. The input property `change` must also be encoded in base64 and determines if the user must change their password at first login (`true` or `false`).

This step is only required with Astra Control Center deployments using local authentication. It is not needed with Astra Control Center deployments using LDAP or with Astra Control Service deployments.

HTTP method and endpoint

This REST API call uses the following method and endpoint.

HTTP method	Path
POST	/accounts/{account_id}/core/v1/credentials

Curl example

```
curl --request POST \
--location
"https://astra.netapp.io/accounts/$ACCOUNT_ID/core/v1/credentials" \
--include \
--header "Accept: */*" \
--header "Authorization: Bearer $API_TOKEN" \
--data  @JSONinput
```

JSON input example

```
{
  "type" :  "application/astra-credential",
  "version" : "1.1",
  "name" : "d07dac0a-a328-4840-a216-12de16bbd484",
  "keyType" : "passwordHash",
  "keyStore" : {
      "cleartext" : "TmV0QXBwMTIz",
      "change" : "ZmFsc2U="
  },
  "valid" : "true"
}
```

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