



## User

### Astra Automation

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# Sommaire

|                                     |    |
|-------------------------------------|----|
| User .....                          | 1  |
| User overview .....                 | 1  |
| Create a new user for a group ..... | 1  |
| Parameters .....                    | 1  |
| Request Body .....                  | 1  |
| Response .....                      | 5  |
| Response .....                      | 12 |
| Response .....                      | 13 |
| Response .....                      | 13 |
| Response .....                      | 14 |
| Error .....                         | 15 |
| Definitions .....                   | 15 |
| List the users for a group .....    | 18 |
| Parameters .....                    | 18 |
| Response .....                      | 21 |
| Response .....                      | 22 |
| Response .....                      | 23 |
| Response .....                      | 23 |
| Error .....                         | 24 |
| Definitions .....                   | 25 |
| Retrieve a user for a group .....   | 35 |
| Parameters .....                    | 35 |
| Response .....                      | 35 |
| Response .....                      | 42 |
| Response .....                      | 43 |
| Response .....                      | 44 |
| Error .....                         | 44 |
| Definitions .....                   | 45 |
| Modify a user for a group .....     | 48 |
| Parameters .....                    | 48 |
| Request Body .....                  | 48 |
| Response .....                      | 54 |
| Response .....                      | 55 |
| Response .....                      | 55 |
| Response .....                      | 56 |
| Response .....                      | 56 |
| Error .....                         | 57 |
| Definitions .....                   | 58 |
| Delete a user for a group .....     | 61 |
| Parameters .....                    | 61 |
| Response .....                      | 62 |
| Response .....                      | 62 |
| Response .....                      | 62 |

|                   |     |
|-------------------|-----|
| Response          | 63  |
| Error             | 63  |
| Definitions       | 64  |
| Create a new user | 64  |
| Parameters        | 64  |
| Request Body      | 65  |
| Response          | 69  |
| Response          | 76  |
| Response          | 77  |
| Response          | 77  |
| Response          | 78  |
| Error             | 79  |
| Definitions       | 79  |
| List all users    | 82  |
| Parameters        | 82  |
| Response          | 85  |
| Response          | 86  |
| Response          | 87  |
| Response          | 87  |
| Error             | 88  |
| Definitions       | 89  |
| Retrieve a user   | 99  |
| Parameters        | 99  |
| Response          | 99  |
| Response          | 106 |
| Response          | 107 |
| Response          | 108 |
| Error             | 108 |
| Definitions       | 109 |
| Modify a user     | 112 |
| Parameters        | 112 |
| Request Body      | 112 |
| Response          | 118 |
| Response          | 119 |
| Response          | 119 |
| Response          | 120 |
| Response          | 120 |
| Error             | 121 |
| Definitions       | 122 |
| Delete a user     | 125 |
| Parameters        | 125 |
| Response          | 125 |
| Response          | 126 |
| Response          | 126 |
| Response          | 127 |

|                   |     |
|-------------------|-----|
| Error .....       | 127 |
| Definitions ..... | 128 |

# User

## User overview

The User API represents users who are able to interact with the system.

## Create a new user for a group

POST /accounts/{account\_id}/core/v1/groups/{group\_id}/users

Indicates desired values for the User API resource to be created.

### Parameters

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

### Request Body

Indicates desired values for the User API resource to be created.

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

| Name         | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| authID       | string | False    | <p>JSON string containing the identifier associated with an external identity provider. The contents of this string depend on the specified authProvider. For a user with "authProvider" as "local", "authID" is set to the value of "email". For a user with "authProvider" as "ldap", "authID" is set to its Distinguished Name (DN) from the LDAP server.</p>                                                                                                                                                                                                                                                                                                                                       |
| authProvider | string | False    | <p>JSON string indicating the context of the idAuth identifier. Defined values are:</p> <ul style="list-style-type: none"> <li>• "cloud-central" - User authentication comes from the NetApp Cloud Central service</li> <li>• "local" - User authentication comes from the local user/password store</li> <li>• "ldap" - User authentication comes from an external LDAP server In Astra Control Center, all users are required to have a value of "local", or "ldap". If a value is not specified, a default value of "local" is chosen. In Astra Control Service, "authProvider" as "local", or "ldap" is not supported. If a value is not specified, it will default to "cloud-central".</li> </ul> |

| Name        | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| firstName   | string | False    | <p>JSON string containing a user-specified long form first name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                         |
| lastName    | string | False    | <p>JSON string containing a user-specified long-form last name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                          |
| companyName | string | False    | <p>JSON string containing the company name associated with the user. If this key does not exist, it indicates that a company name has not been provided. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul> |

| Name             | Type                          | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------|-------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| email            | string                        | True     | JSON strings containing a user-specified email address.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| phone            | string                        | False    | JSON string containing the phone number of the user. If this key does not exist, it indicates that a phone number has not been provided.                                                                                                                                                                                                                                                                                                                                                          |
| postalAddress    | <a href="#">postalAddress</a> | False    | JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.                                                                                                                                                                                                      |
| sendWelcomeEmail | string                        | False    | <p>JSON string indicating whether a welcome email will be sent after validation. If not specified on create, the value will be set to "true" for ACS and "false" for Astra Control Center. Defined values are:</p> <ul style="list-style-type: none"> <li>• "true" - A welcome email will be sent; default value on create</li> <li>• "false" - A welcome email will not be sent<br/>For a user with "authProvider" as "local" or "ldap", this value is ignored and is set to "false".</li> </ul> |



| 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"> <li>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.</li> </ul> |

#### Example request

```
{
  "type": "application/astra-user",
  "version": "1.2",
  "firstName": "John",
  "lastName": "Doe",
  "email": "<a href='mailto:jdoe@example.com'>jdoe@example.com</a>"
}
```

#### Response

Status: 201, Returns the newly created user 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"> <li>"application/astra-user"</li> </ul> |

| Name    | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| version | string | True     | Version of the resource. Defined values are: <ul style="list-style-type: none"> <li>• "1.0"</li> <li>• "1.1"</li> <li>• "1.2"</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| id      | string | True     | Globally unique identifier of the resource. Defined values are: <ul style="list-style-type: none"> <li>• Conforms to the UUIDv4 Schema</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| state   | string | True     | JSON string containing a value indicating the operational state of the user. Defined values are: <ul style="list-style-type: none"> <li>• "pending" - The user account is in the process of being created. The user can only read and modify the user resource (default value).</li> <li>• This state is not valid for a user with "authProvider" as "local"</li> <li>• "active" - The user account is operational (The user can log in if the account setting "isEnabled" is "true").</li> <li>• This is the default value for a user with "authProvider" as "local"</li> <li>• "suspended" - The user account is suspended (The user cannot log in regardless of account "isEnabled" setting).</li> </ul> |

| Name      | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                      |
|-----------|--------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| isEnabled | string | True     | <p>JSON string indicating if the user is allowed to log in. Defined values are:</p> <ul style="list-style-type: none"> <li>• "true" - The user is allowed to log in; default value on create.</li> <li>• "false" - The user is not allowed to log in.</li> </ul>                                                                                                 |
| authID    | string | False    | <p>JSON string containing the identifier associated with an external identity provider. The contents of this string depend on the specified authProvider. For a user with "authProvider" as "local", "authID" is set to the value of "email". For a user with "authProvider" as "ldap", "authID" is set to its Distinguished Name (DN) from the LDAP server.</p> |

| Name         | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| authProvider | string | False    | <p>JSON string indicating the context of the idAuth identifier. Defined values are:</p> <ul style="list-style-type: none"> <li>• "cloud-central" - User authentication comes from the NetApp Cloud Central service</li> <li>• "local" - User authentication comes from the local user/password store</li> <li>• "ldap" - User authentication comes from an external LDAP server In Astra Control Center, all users are required to have a value of "local", or "ldap". If a value is not specified, a default value of "local" is chosen. In Astra Control Service, "authProvider" as "local", or "ldap" is not supported. If a value is not specified, it will default to "cloud-central".</li> </ul> |
| firstName    | string | True     | <p>JSON string containing a user-specified long form first name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                    |

| Name        | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lastName    | string | True     | <p>JSON string containing a user-specified long-form last name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                          |
| companyName | string | False    | <p>JSON string containing the company name associated with the user. If this key does not exist, it indicates that a company name has not been provided. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul> |
| email       | string | True     | <p>JSON strings containing a user-specified email address.</p>                                                                                                                                                                                                                                                                                                                                              |
| phone       | string | False    | <p>JSON string containing the phone number of the user. If this key does not exist, it indicates that a phone number has not been provided.</p>                                                                                                                                                                                                                                                             |

| Name             | Type                          | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| postalAddress    | <a href="#">postalAddress</a> | False    | JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.                                                                                                                                                                                                  |
| sendWelcomeEmail | string                        | True     | <p>JSON string indicating whether a welcome email will be sent after validation. If not specified on create, the value will be set to "true" for ACS and "false" for Astra Control Center. Defined values are:</p> <ul style="list-style-type: none"> <li>"true" - A welcome email will be sent; default value on create</li> <li>"false" - A welcome email will not be sent<br/>For a user with "authProvider" as "local" or "ldap", this value is ignored and is set to "false".</li> </ul> |
| enableTimestamp  | string                        | False    | <p>JSON string containing an ISO-8601 formatted timestamp indicating when the user was last enabled. Defined values are:</p> <ul style="list-style-type: none"> <li>Conforms to the ISO-8601 Date Time Schema</li> </ul>                                                                                                                                                                                                                                                                      |

| Name             | Type                       | Required | Description                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------|----------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lastActTimestamp | string                     | False    | <p>JSON string containing an ISO-8601 formatted timestamp indicating when the identity API was last invoked on behalf of this user. (Note: This is expensive.) Defined values are:</p> <ul style="list-style-type: none"> <li>• Conforms to the ISO-8601 Date Time Schema</li> </ul>                                                                                                                      |
| 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"> <li>• 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.</li> </ul> |

## Example response

```
{
  "type": "application/astra-user",
  "version": "1.2",
  "id": "5bad8e04-e2fd-5c43-98d7-300580993f49",
  "state": "pending",
  "isEnabled": "true",
  "authID": "HteLK3hk28sdbDLKHReB",
  "authProvider": "cloud-central",
  "firstName": "John",
  "lastName": "Doe",
  "email": "<a href='mailto:jdoe@example.com'>jdoe@example.com</a>",
  "sendWelcomeEmail": "true",
  "lastActTimestamp": "2020-08-05T14:24:54.128427Z",
  "metadata": {
    "labels": [],
    "creationTimestamp": "2022-10-06T20:58:16.305662Z",
    "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
    "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
  }
}
```

## Response

Status: 401, Unauthorized

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



### Example response

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

## Response

Status: 400, Bad request

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

### Example response

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

## Response

Status: 409, Conflict

| Name          | Type                 | Required | Description                         |
|---------------|----------------------|----------|-------------------------------------|
| type          | string               | True     |                                     |
| title         | string               | True     |                                     |
| detail        | string               | True     |                                     |
| status        | string               | True     |                                     |
| correlationID | string               | False    |                                     |
| 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/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

## Error

Status: 404, Not found

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

## Example error response

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

## Definitions

## See Definitions

### postalAddress

JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.

| Name            | Type   | Required | Description                                                                                                                                                                                                                                       |
|-----------------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| addressCountry  | string | True     | JSON string containing the country name or country code associated with the postal address, as specified in ISO 3166 Alpha-2. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 2</li><li>• Maximum length: 2</li></ul> |
| addressLocality | string | True     | JSON string containing the locality (for example, city) associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                  |
| addressRegion   | string | True     | JSON string containing the region (for example, state) associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                   |
| postalCode      | string | True     | JSON string containing the postal code associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                                   |

| Name           | Type   | Required | Description                                                                                                                                                                                                               |
|----------------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| streetAddress1 | string | True     | JSON string containing the street address associated with the postal address. Defined values are: <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> </ul>                     |
| streetAddress2 | string | False    | JSON string containing optional ancillary street address information, post office box, and so on. Defined values are: <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> </ul> |

#### 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 the users for a group

GET /accounts/{account\_id}/core/v1/groups/{group\_id}/users

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"> <li>example: <code>{{.Account}}</code></li> </ul> |
| group_id   | string | path | True     | ID of the containing group 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:<br/> "include=id",<br/> "include=id,name"</p> <p>OpenAPI examples:<br/> "id"</p> <ul style="list-style-type: none"> <li>• example:<br/>id,email</li> </ul> |
| limit   | string | query | False    | <p>Indicates the maximum number of resources to return when listing a collection.</p> <p>URL examples:<br/> "limit=2"</p> <p>OpenAPI examples:<br/> "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"> <li>• eq - Equality</li> <li>• lt/gt - Less than/Greater than</li> <li>• lte/gte - Less than or equals to/Greater than or equals to</li> </ul> <p>URL example:<br/>"filter=field%20eq%20%27value%27"</p> <p>OpenAPI examples:<br/>"field eq 'value'"</p> |
| orderBy | string | query | False    | <p>Indicates the sort order of resource when listing a collection.</p> <p>URL examples:<br/>"orderBy=name",<br/>"orderBy=name%20desc"</p> <p>OpenAPI examples:<br/>"name desc"</p>                                                                                                                                                                                                                                                   |
| skip    | string | query | False    | <p>Indicates the number of resources to skip over when listing a collection.</p> <p>URL examples:<br/>"skip=1"</p> <p>OpenAPI examples:<br/>"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.<br><br>URL examples:<br>"count=true"<br><br>OpenAPI examples:<br>"true"                                                                                                    |
| continue |        | query | False    | Indicates the token to resume listing from.<br><br>URL examples:<br>"continue=<continue token="" from="" collection="" metadata="">"</continue><br><br>OpenAPI examples:<br>"<continue token="" from="" collection="" metadata="">"</continue>&lt;/continue&gt;" |

## 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: <a href="#">user_1.2_get_response_body</a> , array[]] | True     |             |
| metadata | <a href="#">type_astra_metadata_list</a>                            | True     |             |

## Example response

```
{
  "type": "application/astra-users",
  "version": "1.2",
  "items": [
    [
      "11c0cfa1-4f27-4ef7-a21c-cb452fc5c9aa",
      "<a href='mailto:jdove@example.com'>jdove@example.com</a>"
    ],
    [
      "e324ec3a-706d-4f57-a95d-1d88c03e7b73",
      "<a href='mailto:ssmith@example.com'>ssmith@example.com</a>"
    ],
    [
      "3070c84d-129b-4017-82a8-2c26a42dd77e",
      "<a href='mailto:wjohns@example.com'>wjohns@example.com</a>"
    ]
  ],
  "metadata": {
    "labels": [],
    "creationTimestamp": "2022-10-06T20:58:16.305662Z",
    "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
    "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
  }
}
```

## Response

Status: 401, Unauthorized

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

### Example response

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

## Response

Status: 400, Bad request

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

### Example response

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

## Response

Status: 403, Forbidden

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

### Example response

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

### Error

Status: 404, Not found

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

### Example error response

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

**Definitions**

## See Definitions

### postalAddress

JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.

| Name            | Type   | Required | Description                                                                                                                                                                                                                                       |
|-----------------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| addressCountry  | string | True     | JSON string containing the country name or country code associated with the postal address, as specified in ISO 3166 Alpha-2. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 2</li><li>• Maximum length: 2</li></ul> |
| addressLocality | string | True     | JSON string containing the locality (for example, city) associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                  |
| addressRegion   | string | True     | JSON string containing the region (for example, state) associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                   |
| postalCode      | string | True     | JSON string containing the postal code associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                                   |

| Name           | Type   | Required | Description                                                                                                                                                                                                               |
|----------------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| streetAddress1 | string | True     | JSON string containing the street address associated with the postal address. Defined values are: <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> </ul>                     |
| streetAddress2 | string | False    | JSON string containing optional ancillary street address information, post office box, and so on. Defined values are: <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> </ul> |

#### 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    |             |

#### user\_1.2\_get\_response\_body

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



| Name      | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| state     | string | True     | <p>JSON string containing a value indicating the operational state of the user. Defined values are:</p> <ul style="list-style-type: none"> <li>• "pending" - The user account is in the process of being created. The user can only read and modify the user resource (default value).</li> <li>• This state is not valid for a user with "authProvider" as "local"</li> <li>• "active" - The user account is operational (The user can log in if the account setting "isEnabled" is "true").</li> <li>• This is the default value for a user with "authProvider" as "local"</li> <li>• "suspended" - The user account is suspended (The user cannot log in regardless of account "isEnabled" setting).</li> </ul> |
| isEnabled | string | True     | <p>JSON string indicating if the user is allowed to log in. Defined values are:</p> <ul style="list-style-type: none"> <li>• "true" - The user is allowed to log in; default value on create.</li> <li>• "false" - The user is not allowed to log in.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

| Name   | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                               |
|--------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| authID | string | False    | JSON string containing the identifier associated with an external identity provider. The contents of this string depend on the specified authProvider. For a user with "authProvider" as "local", "authID" is set to the value of "email". For a user with "authProvider" as "ldap", "authID" is set to its Distinguished Name (DN) from the LDAP server. |

| Name         | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| authProvider | string | False    | <p>JSON string indicating the context of the idAuth identifier. Defined values are:</p> <ul style="list-style-type: none"> <li>• "cloud-central" - User authentication comes from the NetApp Cloud Central service</li> <li>• "local" - User authentication comes from the local user/password store</li> <li>• "ldap" - User authentication comes from an external LDAP server In Astra Control Center, all users are required to have a value of "local", or "ldap". If a value is not specified, a default value of "local" is chosen. In Astra Control Service, "authProvider" as "local", or "ldap" is not supported. If a value is not specified, it will default to "cloud-central".</li> </ul> |
| firstName    | string | True     | <p>JSON string containing a user-specified long form first name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                    |

| Name        | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lastName    | string | True     | <p>JSON string containing a user-specified long-form last name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                          |
| companyName | string | False    | <p>JSON string containing the company name associated with the user. If this key does not exist, it indicates that a company name has not been provided. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul> |
| email       | string | True     | <p>JSON strings containing a user-specified email address.</p>                                                                                                                                                                                                                                                                                                                                              |
| phone       | string | False    | <p>JSON string containing the phone number of the user. If this key does not exist, it indicates that a phone number has not been provided.</p>                                                                                                                                                                                                                                                             |

| Name             | Type                          | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| postalAddress    | <a href="#">postalAddress</a> | False    | JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.                                                                                                                                                                                                  |
| sendWelcomeEmail | string                        | True     | <p>JSON string indicating whether a welcome email will be sent after validation. If not specified on create, the value will be set to "true" for ACS and "false" for Astra Control Center. Defined values are:</p> <ul style="list-style-type: none"> <li>"true" - A welcome email will be sent; default value on create</li> <li>"false" - A welcome email will not be sent<br/>For a user with "authProvider" as "local" or "ldap", this value is ignored and is set to "false".</li> </ul> |
| enableTimestamp  | string                        | False    | <p>JSON string containing an ISO-8601 formatted timestamp indicating when the user was last enabled. Defined values are:</p> <ul style="list-style-type: none"> <li>Conforms to the ISO-8601 Date Time Schema</li> </ul>                                                                                                                                                                                                                                                                      |

| Name             | Type                                       | Required | Description                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------|--------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lastActTimestamp | string                                     | False    | JSON string containing an ISO-8601 formatted timestamp indicating when the identity API was last invoked on behalf of this user. (Note: This is expensive.)<br>Defined values are: <ul style="list-style-type: none"> <li>• Conforms to the ISO-8601 Date Time Schema</li> </ul>                                                                                                                   |
| metadata         | <a href="#">type_astra_metadata_update</a> | True     | Client and service-specified metadata associated with the resource. Defined values are: <ul style="list-style-type: none"> <li>• 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.</li> </ul> |

#### type\_astra\_metadata\_list

| Name                  | Type                                      | Required | Description |
|-----------------------|-------------------------------------------|----------|-------------|
| continue              | string                                    | False    |             |
| count                 | number                                    | False    |             |
| labels                | array[ <a href="#">type_astra_label</a> ] | 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 user for a group

GET /accounts/{account\_id}/core/v1/groups/{group\_id}/users/{user\_id}

Returns the stored User 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"> <li>example: <code>{{.Account}}</code></li> </ul> |
| group_id   | string | path | True     | ID of the containing group resource                                                                                        |
| user_id    | string | path | True     | ID of the user collection to list                                                                                          |

### Response

Status: 200, Returns the stored User 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"> <li>"application/astra-user"</li> </ul> |

| Name    | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| version | string | True     | Version of the resource. Defined values are: <ul style="list-style-type: none"> <li>• "1.0"</li> <li>• "1.1"</li> <li>• "1.2"</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| id      | string | True     | Globally unique identifier of the resource. Defined values are: <ul style="list-style-type: none"> <li>• Conforms to the UUIDv4 Schema</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| state   | string | True     | JSON string containing a value indicating the operational state of the user. Defined values are: <ul style="list-style-type: none"> <li>• "pending" - The user account is in the process of being created. The user can only read and modify the user resource (default value).</li> <li>• This state is not valid for a user with "authProvider" as "local"</li> <li>• "active" - The user account is operational (The user can log in if the account setting "isEnabled" is "true").</li> <li>• This is the default value for a user with "authProvider" as "local"</li> <li>• "suspended" - The user account is suspended (The user cannot log in regardless of account "isEnabled" setting).</li> </ul> |



| Name      | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                      |
|-----------|--------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| isEnabled | string | True     | <p>JSON string indicating if the user is allowed to log in. Defined values are:</p> <ul style="list-style-type: none"> <li>• "true" - The user is allowed to log in; default value on create.</li> <li>• "false" - The user is not allowed to log in.</li> </ul>                                                                                                 |
| authID    | string | False    | <p>JSON string containing the identifier associated with an external identity provider. The contents of this string depend on the specified authProvider. For a user with "authProvider" as "local", "authID" is set to the value of "email". For a user with "authProvider" as "ldap", "authID" is set to its Distinguished Name (DN) from the LDAP server.</p> |

| Name         | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| authProvider | string | False    | <p>JSON string indicating the context of the idAuth identifier. Defined values are:</p> <ul style="list-style-type: none"> <li>• "cloud-central" - User authentication comes from the NetApp Cloud Central service</li> <li>• "local" - User authentication comes from the local user/password store</li> <li>• "ldap" - User authentication comes from an external LDAP server In Astra Control Center, all users are required to have a value of "local", or "ldap". If a value is not specified, a default value of "local" is chosen. In Astra Control Service, "authProvider" as "local", or "ldap" is not supported. If a value is not specified, it will default to "cloud-central".</li> </ul> |
| firstName    | string | True     | <p>JSON string containing a user-specified long form first name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                    |

| Name        | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lastName    | string | True     | <p>JSON string containing a user-specified long-form last name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                          |
| companyName | string | False    | <p>JSON string containing the company name associated with the user. If this key does not exist, it indicates that a company name has not been provided. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul> |
| email       | string | True     | <p>JSON strings containing a user-specified email address.</p>                                                                                                                                                                                                                                                                                                                                              |
| phone       | string | False    | <p>JSON string containing the phone number of the user. If this key does not exist, it indicates that a phone number has not been provided.</p>                                                                                                                                                                                                                                                             |

| Name             | Type                          | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| postalAddress    | <a href="#">postalAddress</a> | False    | JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.                                                                                                                                                                                                  |
| sendWelcomeEmail | string                        | True     | <p>JSON string indicating whether a welcome email will be sent after validation. If not specified on create, the value will be set to "true" for ACS and "false" for Astra Control Center. Defined values are:</p> <ul style="list-style-type: none"> <li>"true" - A welcome email will be sent; default value on create</li> <li>"false" - A welcome email will not be sent<br/>For a user with "authProvider" as "local" or "ldap", this value is ignored and is set to "false".</li> </ul> |
| enableTimestamp  | string                        | False    | <p>JSON string containing an ISO-8601 formatted timestamp indicating when the user was last enabled. Defined values are:</p> <ul style="list-style-type: none"> <li>Conforms to the ISO-8601 Date Time Schema</li> </ul>                                                                                                                                                                                                                                                                      |

| Name             | Type                       | Required | Description                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------|----------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lastActTimestamp | string                     | False    | <p>JSON string containing an ISO-8601 formatted timestamp indicating when the identity API was last invoked on behalf of this user. (Note: This is expensive.) Defined values are:</p> <ul style="list-style-type: none"> <li>• Conforms to the ISO-8601 Date Time Schema</li> </ul>                                                                                                                      |
| 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"> <li>• 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.</li> </ul> |

## Example response

```
{
  "type": "application/astra-user",
  "version": "1.2",
  "id": "5bad8e04-e2fd-5c43-98d7-300580993f49",
  "state": "active",
  "isEnabled": "true",
  "authID": "HteLK3hk28sdbDLKHReB",
  "authProvider": "cloud-central",
  "firstName": "John",
  "lastName": "Doe",
  "companyName": "NetApp, Inc.",
  "email": "<a href='mailto:jdoe@example.com'>jdoe@example.com</a>",
  "phone": "408-555-2222",
  "postalAddress": {
    "addressCountry": "US",
    "addressLocality": "Sunnyvale",
    "addressRegion": "California",
    "postalCode": "94089",
    "streetAddress1": "495 East Java Drive"
  },
  "sendWelcomeEmail": "true",
  "enableTimestamp": "2020-08-05T14:24:54.128427Z",
  "lastActTimestamp": "2020-08-05T14:24:54.128427Z",
  "metadata": {
    "labels": [],
    "creationTimestamp": "2022-10-06T20:58:16.305662Z",
    "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
    "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
  }
}
```

## Response

Status: 401, Unauthorized

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

| Name          | Type   | Required | Description |
|---------------|--------|----------|-------------|
| status        | string | True     |             |
| correlationID | string | False    |             |

#### Example response

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

## Response

Status: 400, Bad request

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

#### Example response

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

## Response

Status: 403, Forbidden

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

### Example response

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

## Error

Status: 404, Not found

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



### Example error response

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

### Definitions

## See Definitions

### postalAddress

JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.

| Name            | Type   | Required | Description                                                                                                                                                                                                                                       |
|-----------------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| addressCountry  | string | True     | JSON string containing the country name or country code associated with the postal address, as specified in ISO 3166 Alpha-2. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 2</li><li>• Maximum length: 2</li></ul> |
| addressLocality | string | True     | JSON string containing the locality (for example, city) associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                  |
| addressRegion   | string | True     | JSON string containing the region (for example, state) associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                   |
| postalCode      | string | True     | JSON string containing the postal code associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                                   |

| Name           | Type   | Required | Description                                                                                                                                                                                                               |
|----------------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| streetAddress1 | string | True     | JSON string containing the street address associated with the postal address. Defined values are: <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> </ul>                     |
| streetAddress2 | string | False    | JSON string containing optional ancillary street address information, post office box, and so on. Defined values are: <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> </ul> |

#### 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 user for a group

PUT /accounts/{account\_id}/core/v1/groups/{group\_id}/users/{user\_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"> <li>example: <code>{{.Account}}</code></li> </ul> |
| group_id   | string | path | True     | ID of the containing group resource                                                                                        |
| user_id    | string | path | True     | ID of the user 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"> <li>"application/astra-user"</li> </ul> |

| Name    | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| version | string | True     | Version of the resource. Defined values are: <ul style="list-style-type: none"> <li>• "1.0"</li> <li>• "1.1"</li> <li>• "1.2"</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| id      | string | False    | Globally unique identifier of the resource. Defined values are: <ul style="list-style-type: none"> <li>• Conforms to the UUIDv4 Schema</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| state   | string | False    | JSON string containing a value indicating the operational state of the user. Defined values are: <ul style="list-style-type: none"> <li>• "pending" - The user account is in the process of being created. The user can only read and modify the user resource (default value).</li> <li>• This state is not valid for a user with "authProvider" as "local"</li> <li>• "active" - The user account is operational (The user can log in if the account setting "isEnabled" is "true").</li> <li>• This is the default value for a user with "authProvider" as "local"</li> <li>• "suspended" - The user account is suspended (The user cannot log in regardless of account "isEnabled" setting).</li> </ul> |

| Name      | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                      |
|-----------|--------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| isEnabled | string | False    | <p>JSON string indicating if the user is allowed to log in. Defined values are:</p> <ul style="list-style-type: none"> <li>• "true" - The user is allowed to log in; default value on create.</li> <li>• "false" - The user is not allowed to log in.</li> </ul>                                                                                                 |
| authID    | string | False    | <p>JSON string containing the identifier associated with an external identity provider. The contents of this string depend on the specified authProvider. For a user with "authProvider" as "local", "authID" is set to the value of "email". For a user with "authProvider" as "ldap", "authID" is set to its Distinguished Name (DN) from the LDAP server.</p> |

| Name         | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| authProvider | string | False    | <p>JSON string indicating the context of the idAuth identifier. Defined values are:</p> <ul style="list-style-type: none"> <li>• "cloud-central" - User authentication comes from the NetApp Cloud Central service</li> <li>• "local" - User authentication comes from the local user/password store</li> <li>• "ldap" - User authentication comes from an external LDAP server In Astra Control Center, all users are required to have a value of "local", or "ldap". If a value is not specified, a default value of "local" is chosen. In Astra Control Service, "authProvider" as "local", or "ldap" is not supported. If a value is not specified, it will default to "cloud-central".</li> </ul> |
| firstName    | string | False    | <p>JSON string containing a user-specified long form first name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                    |

| Name        | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lastName    | string | False    | <p>JSON string containing a user-specified long-form last name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                          |
| companyName | string | False    | <p>JSON string containing the company name associated with the user. If this key does not exist, it indicates that a company name has not been provided. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul> |
| email       | string | False    | <p>JSON strings containing a user-specified email address.</p>                                                                                                                                                                                                                                                                                                                                              |
| phone       | string | False    | <p>JSON string containing the phone number of the user. If this key does not exist, it indicates that a phone number has not been provided.</p>                                                                                                                                                                                                                                                             |



| Name             | Type                          | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| postalAddress    | <a href="#">postalAddress</a> | False    | JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.                                                                                                                                                                                                  |
| sendWelcomeEmail | string                        | False    | <p>JSON string indicating whether a welcome email will be sent after validation. If not specified on create, the value will be set to "true" for ACS and "false" for Astra Control Center. Defined values are:</p> <ul style="list-style-type: none"> <li>"true" - A welcome email will be sent; default value on create</li> <li>"false" - A welcome email will not be sent<br/>For a user with "authProvider" as "local" or "ldap", this value is ignored and is set to "false".</li> </ul> |
| enableTimestamp  | string                        | False    | <p>JSON string containing an ISO-8601 formatted timestamp indicating when the user was last enabled. Defined values are:</p> <ul style="list-style-type: none"> <li>Conforms to the ISO-8601 Date Time Schema</li> </ul>                                                                                                                                                                                                                                                                      |

| Name             | Type                       | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------|----------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lastActTimestamp | string                     | False    | <p>JSON string containing an ISO-8601 formatted timestamp indicating when the identity API was last invoked on behalf of this user. (Note: This is expensive.) Defined values are:</p> <ul style="list-style-type: none"> <li>• Conforms to the ISO-8601 Date Time Schema</li> </ul>                                                                                                                       |
| 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"> <li>• 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.</li> </ul> |

#### Example request

```
{
  "type": "application/astra-user",
  "version": "1.2",
  "firstName": "John",
  "lastName": "Dale",
  "email": "<a href='mailto:jdale@example.com'>jdale@example.com</a>"
}
```

#### Response

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

## Response

Status: 401, Unauthorized

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

### Example response

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

## Response

Status: 400, Bad request

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

### Example response

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

## Response

Status: 409, Conflict

| Name          | Type                 | Required | Description                         |
|---------------|----------------------|----------|-------------------------------------|
| type          | string               | True     |                                     |
| title         | string               | True     |                                     |
| detail        | string               | True     |                                     |
| status        | string               | True     |                                     |
| correlationID | string               | False    |                                     |
| 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/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

#### Error

Status: 404, Not found

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

#### Example error response

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

**Definitions**

## See Definitions

### postalAddress

JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.

| Name            | Type   | Required | Description                                                                                                                                                                                                                                       |
|-----------------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| addressCountry  | string | True     | JSON string containing the country name or country code associated with the postal address, as specified in ISO 3166 Alpha-2. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 2</li><li>• Maximum length: 2</li></ul> |
| addressLocality | string | True     | JSON string containing the locality (for example, city) associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                  |
| addressRegion   | string | True     | JSON string containing the region (for example, state) associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                   |
| postalCode      | string | True     | JSON string containing the postal code associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                                   |

| Name           | Type   | Required | Description                                                                                                                                                                                                               |
|----------------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| streetAddress1 | string | True     | JSON string containing the street address associated with the postal address. Defined values are: <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> </ul>                     |
| streetAddress2 | string | False    | JSON string containing optional ancillary street address information, post office box, and so on. Defined values are: <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> </ul> |

#### type\_astra\_label

| Name  | Type   | Required | Description |
|-------|--------|----------|-------------|
| name  | string | True     |             |
| value | string | True     |             |

#### type\_astra\_metadata\_update

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

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

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

#### invalidParams



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

invalidFields

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

## Delete a user for a group

DELETE /accounts/{account\_id}/core/v1/groups/{group\_id}/users/{user\_id}

Removes the specified User API resource.

### Side Effects

- The following resources associated with the user are deleted: notificationMarks, tokens, and all roleBindings referring to the user.
- For a user with "authProvider" as "local", the linked credential with "keyType" as "passwordHash" will also be deleted.

### Parameters

| Name       | Type   | In   | Required | Description                                                                                                                  |
|------------|--------|------|----------|------------------------------------------------------------------------------------------------------------------------------|
| account_id | string | path | True     | ID of the containing account resource <ul style="list-style-type: none"> <li>• example: <code>{{.Account}}</code></li> </ul> |
| group_id   | string | path | True     | ID of the containing group resource                                                                                          |
| user_id    | string | path | True     | ID of the user collection to list                                                                                            |

## Response

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

## Response

Status: 401, Unauthorized

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

### Example response

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

## Response

Status: 400, Bad request

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

### Example response

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

## Response

Status: 403, Forbidden

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

### Example response

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

## Error

Status: 404, Not found

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

| Name          | Type   | Required | Description |
|---------------|--------|----------|-------------|
| status        | string | True     |             |
| correlationID | string | False    |             |

#### Example error response

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

## Definitions

#### See Definitions

##### invalidParams

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

## Create a new user

POST /accounts/{account\_id}/core/v1/users

Indicates desired values for the User 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"> <li>example: <code>{{.Account}}</code></li> </ul> |

## Request Body

Indicates desired values for the User 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"><li>• "application/astra-user"</li></ul>                                                                                                                                                                                                                                |
| version | string | True     | Version of the resource. Defined values are: <ul style="list-style-type: none"><li>• "1.0"</li><li>• "1.1"</li><li>• "1.2"</li></ul>                                                                                                                                                                                                                      |
| authID  | string | False    | JSON string containing the identifier associated with an external identity provider. The contents of this string depend on the specified authProvider. For a user with "authProvider" as "local", "authID" is set to the value of "email". For a user with "authProvider" as "ldap", "authID" is set to its Distinguished Name (DN) from the LDAP server. |

| Name         | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| authProvider | string | False    | <p>JSON string indicating the context of the idAuth identifier. Defined values are:</p> <ul style="list-style-type: none"> <li>• "cloud-central" - User authentication comes from the NetApp Cloud Central service</li> <li>• "local" - User authentication comes from the local user/password store</li> <li>• "ldap" - User authentication comes from an external LDAP server In Astra Control Center, all users are required to have a value of "local", or "ldap". If a value is not specified, a default value of "local" is chosen. In Astra Control Service, "authProvider" as "local", or "ldap" is not supported. If a value is not specified, it will default to "cloud-central".</li> </ul> |
| firstName    | string | False    | <p>JSON string containing a user-specified long form first name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                    |

| Name        | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lastName    | string | False    | <p>JSON string containing a user-specified long-form last name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                          |
| companyName | string | False    | <p>JSON string containing the company name associated with the user. If this key does not exist, it indicates that a company name has not been provided. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul> |
| email       | string | True     | JSON strings containing a user-specified email address.                                                                                                                                                                                                                                                                                                                                                     |
| phone       | string | False    | JSON string containing the phone number of the user. If this key does not exist, it indicates that a phone number has not been provided.                                                                                                                                                                                                                                                                    |

| Name             | Type                          | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| postalAddress    | <a href="#">postalAddress</a> | False    | JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.                                                                                                                                                                                                  |
| sendWelcomeEmail | string                        | False    | <p>JSON string indicating whether a welcome email will be sent after validation. If not specified on create, the value will be set to "true" for ACS and "false" for Astra Control Center. Defined values are:</p> <ul style="list-style-type: none"> <li>"true" - A welcome email will be sent; default value on create</li> <li>"false" - A welcome email will not be sent<br/>For a user with "authProvider" as "local" or "ldap", this value is ignored and is set to "false".</li> </ul> |



| 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"> <li>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.</li> </ul> |

#### Example request

```
{
  "type": "application/astra-user",
  "version": "1.2",
  "firstName": "John",
  "lastName": "Doe",
  "email": "<a href='mailto:jdoe@example.com'>jdoe@example.com</a>"
}
```

#### Response

Status: 201, Returns the newly created user 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"> <li>"application/astra-user"</li> </ul> |

| Name    | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| version | string | True     | Version of the resource. Defined values are: <ul style="list-style-type: none"> <li>• "1.0"</li> <li>• "1.1"</li> <li>• "1.2"</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| id      | string | True     | Globally unique identifier of the resource. Defined values are: <ul style="list-style-type: none"> <li>• Conforms to the UUIDv4 Schema</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| state   | string | True     | JSON string containing a value indicating the operational state of the user. Defined values are: <ul style="list-style-type: none"> <li>• "pending" - The user account is in the process of being created. The user can only read and modify the user resource (default value).</li> <li>• This state is not valid for a user with "authProvider" as "local"</li> <li>• "active" - The user account is operational (The user can log in if the account setting "isEnabled" is "true").</li> <li>• This is the default value for a user with "authProvider" as "local"</li> <li>• "suspended" - The user account is suspended (The user cannot log in regardless of account "isEnabled" setting).</li> </ul> |

| Name      | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                      |
|-----------|--------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| isEnabled | string | True     | <p>JSON string indicating if the user is allowed to log in. Defined values are:</p> <ul style="list-style-type: none"> <li>• "true" - The user is allowed to log in; default value on create.</li> <li>• "false" - The user is not allowed to log in.</li> </ul>                                                                                                 |
| authID    | string | False    | <p>JSON string containing the identifier associated with an external identity provider. The contents of this string depend on the specified authProvider. For a user with "authProvider" as "local", "authID" is set to the value of "email". For a user with "authProvider" as "ldap", "authID" is set to its Distinguished Name (DN) from the LDAP server.</p> |

| Name         | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| authProvider | string | False    | <p>JSON string indicating the context of the idAuth identifier. Defined values are:</p> <ul style="list-style-type: none"> <li>• "cloud-central" - User authentication comes from the NetApp Cloud Central service</li> <li>• "local" - User authentication comes from the local user/password store</li> <li>• "ldap" - User authentication comes from an external LDAP server In Astra Control Center, all users are required to have a value of "local", or "ldap". If a value is not specified, a default value of "local" is chosen. In Astra Control Service, "authProvider" as "local", or "ldap" is not supported. If a value is not specified, it will default to "cloud-central".</li> </ul> |
| firstName    | string | True     | <p>JSON string containing a user-specified long form first name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                    |

| Name        | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lastName    | string | True     | <p>JSON string containing a user-specified long-form last name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                          |
| companyName | string | False    | <p>JSON string containing the company name associated with the user. If this key does not exist, it indicates that a company name has not been provided. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul> |
| email       | string | True     | <p>JSON strings containing a user-specified email address.</p>                                                                                                                                                                                                                                                                                                                                              |
| phone       | string | False    | <p>JSON string containing the phone number of the user. If this key does not exist, it indicates that a phone number has not been provided.</p>                                                                                                                                                                                                                                                             |

| Name             | Type                          | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| postalAddress    | <a href="#">postalAddress</a> | False    | JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.                                                                                                                                                                                                  |
| sendWelcomeEmail | string                        | True     | <p>JSON string indicating whether a welcome email will be sent after validation. If not specified on create, the value will be set to "true" for ACS and "false" for Astra Control Center. Defined values are:</p> <ul style="list-style-type: none"> <li>"true" - A welcome email will be sent; default value on create</li> <li>"false" - A welcome email will not be sent<br/>For a user with "authProvider" as "local" or "ldap", this value is ignored and is set to "false".</li> </ul> |
| enableTimestamp  | string                        | False    | <p>JSON string containing an ISO-8601 formatted timestamp indicating when the user was last enabled. Defined values are:</p> <ul style="list-style-type: none"> <li>Conforms to the ISO-8601 Date Time Schema</li> </ul>                                                                                                                                                                                                                                                                      |

| Name             | Type                       | Required | Description                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------|----------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lastActTimestamp | string                     | False    | <p>JSON string containing an ISO-8601 formatted timestamp indicating when the identity API was last invoked on behalf of this user. (Note: This is expensive.) Defined values are:</p> <ul style="list-style-type: none"> <li>• Conforms to the ISO-8601 Date Time Schema</li> </ul>                                                                                                                      |
| 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"> <li>• 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.</li> </ul> |

Example response

```
{
  "type": "application/astra-user",
  "version": "1.2",
  "id": "5bad8e04-e2fd-5c43-98d7-300580993f49",
  "state": "pending",
  "isEnabled": "true",
  "authID": "HteLK3hk28sdbDLKHReB",
  "authProvider": "cloud-central",
  "firstName": "John",
  "lastName": "Doe",
  "email": "<a href='mailto:jdoe@example.com'>jdoe@example.com</a>",
  "sendWelcomeEmail": "true",
  "lastActTimestamp": "2020-08-05T14:24:54.128427Z",
  "metadata": {
    "labels": [],
    "creationTimestamp": "2022-10-06T20:58:16.305662Z",
    "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
    "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
  }
}
```

Response

Status: 401, Unauthorized

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



### Example response

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

## Response

Status: 400, Bad request

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

### Example response

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

## Response

Status: 409, Conflict

| Name          | Type                 | Required | Description                         |
|---------------|----------------------|----------|-------------------------------------|
| type          | string               | True     |                                     |
| title         | string               | True     |                                     |
| detail        | string               | True     |                                     |
| status        | string               | True     |                                     |
| correlationID | string               | False    |                                     |
| 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/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

### Error

Status: 404, Not found

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

### Example error response

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

### Definitions

## See Definitions

### postalAddress

JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.

| Name            | Type   | Required | Description                                                                                                                                                                                                                                       |
|-----------------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| addressCountry  | string | True     | JSON string containing the country name or country code associated with the postal address, as specified in ISO 3166 Alpha-2. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 2</li><li>• Maximum length: 2</li></ul> |
| addressLocality | string | True     | JSON string containing the locality (for example, city) associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                  |
| addressRegion   | string | True     | JSON string containing the region (for example, state) associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                   |
| postalCode      | string | True     | JSON string containing the postal code associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                                   |

| Name           | Type   | Required | Description                                                                                                                                                                                                               |
|----------------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| streetAddress1 | string | True     | JSON string containing the street address associated with the postal address. Defined values are: <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> </ul>                     |
| streetAddress2 | string | False    | JSON string containing optional ancillary street address information, post office box, and so on. Defined values are: <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> </ul> |

#### 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 users

GET /accounts/{account\_id}/core/v1/users

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"> <li>example: <code>{{.Account}}</code></li> </ul> |

| Name    | Type   | In    | Required | Description                                                                                                                                                                                                                                             |
|---------|--------|-------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| include | string | query | False    | <p>Indicates which fields should be returned when listing a collection.</p> <p>URL examples:<br/> "include=id",<br/> "include=id,name"</p> <p>OpenAPI examples:<br/> "id"</p> <ul style="list-style-type: none"> <li>• example:<br/>id,email</li> </ul> |
| limit   | string | query | False    | <p>Indicates the maximum number of resources to return when listing a collection.</p> <p>URL examples:<br/> "limit=2"</p> <p>OpenAPI examples:<br/> "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"> <li>• eq - Equality</li> <li>• lt/gt - Less than/Greater than</li> <li>• lte/gte - Less than or equals to/Greater than or equals to</li> </ul> <p>URL example:<br/>"filter=field%20eq%20%27value%27"</p> <p>OpenAPI examples:<br/>"field eq 'value'"</p> |
| orderBy | string | query | False    | <p>Indicates the sort order of resource when listing a collection.</p> <p>URL examples:<br/>"orderBy=name",<br/>"orderBy=name%20desc"</p> <p>OpenAPI examples:<br/>"name desc"</p>                                                                                                                                                                                                                                                   |
| skip    | string | query | False    | <p>Indicates the number of resources to skip over when listing a collection.</p> <p>URL examples:<br/>"skip=1"</p> <p>OpenAPI examples:<br/>"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.<br><br>URL examples:<br>"count=true"<br><br>OpenAPI examples:<br>"true"                                                                                                    |
| continue |        | query | False    | Indicates the token to resume listing from.<br><br>URL examples:<br>"continue=<continue token="" from="" collection="" metadata="">"</continue><br><br>OpenAPI examples:<br>"<continue token="" from="" collection="" metadata="">"</continue>&lt;/continue&gt;" |

## 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: <a href="#">user_1.2_get_response_body</a> , array[]] | True     |             |
| metadata | <a href="#">type_astra_metadata_list</a>                            | True     |             |

Example response

```
{
  "type": "application/astra-users",
  "version": "1.2",
  "items": [
    [
      "11c0cfa1-4f27-4ef7-a21c-cb452fc5c9aa",
      "<a href='mailto:jd@exampl.com'>jd@exampl.com</a>"
    ],
    [
      "e324ec3a-706d-4f57-a95d-1d88c03e7b73",
      "<a href='mailto:ssmith@exampl.com'>ssmith@exampl.com</a>"
    ],
    [
      "3070c84d-129b-4017-82a8-2c26a42dd77e",
      "<a href='mailto:wjohns@exampl.com'>wjohns@exampl.com</a>"
    ]
  ],
  "metadata": {
    "labels": [],
    "creationTimestamp": "2022-10-06T20:58:16.305662Z",
    "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
    "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
  }
}
```

Response

Status: 401, Unauthorized

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

### Example response

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

## Response

Status: 400, Bad request

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

### Example response

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

## Response

Status: 403, Forbidden

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

#### Example response

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

#### Error

Status: 404, Not found

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

#### Example error response

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

**Definitions**

## See Definitions

### postalAddress

JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.

| Name            | Type   | Required | Description                                                                                                                                                                                                                                       |
|-----------------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| addressCountry  | string | True     | JSON string containing the country name or country code associated with the postal address, as specified in ISO 3166 Alpha-2. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 2</li><li>• Maximum length: 2</li></ul> |
| addressLocality | string | True     | JSON string containing the locality (for example, city) associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                  |
| addressRegion   | string | True     | JSON string containing the region (for example, state) associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                   |
| postalCode      | string | True     | JSON string containing the postal code associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                                   |

| Name           | Type   | Required | Description                                                                                                                                                                                                               |
|----------------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| streetAddress1 | string | True     | JSON string containing the street address associated with the postal address. Defined values are: <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> </ul>                     |
| streetAddress2 | string | False    | JSON string containing optional ancillary street address information, post office box, and so on. Defined values are: <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> </ul> |

#### 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    |             |

#### user\_1.2\_get\_response\_body

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



| Name      | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| state     | string | True     | <p>JSON string containing a value indicating the operational state of the user. Defined values are:</p> <ul style="list-style-type: none"> <li>• "pending" - The user account is in the process of being created. The user can only read and modify the user resource (default value).</li> <li>• This state is not valid for a user with "authProvider" as "local"</li> <li>• "active" - The user account is operational (The user can log in if the account setting "isEnabled" is "true").</li> <li>• This is the default value for a user with "authProvider" as "local"</li> <li>• "suspended" - The user account is suspended (The user cannot log in regardless of account "isEnabled" setting).</li> </ul> |
| isEnabled | string | True     | <p>JSON string indicating if the user is allowed to log in. Defined values are:</p> <ul style="list-style-type: none"> <li>• "true" - The user is allowed to log in; default value on create.</li> <li>• "false" - The user is not allowed to log in.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

| Name   | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                               |
|--------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| authID | string | False    | JSON string containing the identifier associated with an external identity provider. The contents of this string depend on the specified authProvider. For a user with "authProvider" as "local", "authID" is set to the value of "email". For a user with "authProvider" as "ldap", "authID" is set to its Distinguished Name (DN) from the LDAP server. |

| Name         | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| authProvider | string | False    | <p>JSON string indicating the context of the idAuth identifier. Defined values are:</p> <ul style="list-style-type: none"> <li>• "cloud-central" - User authentication comes from the NetApp Cloud Central service</li> <li>• "local" - User authentication comes from the local user/password store</li> <li>• "ldap" - User authentication comes from an external LDAP server In Astra Control Center, all users are required to have a value of "local", or "ldap". If a value is not specified, a default value of "local" is chosen. In Astra Control Service, "authProvider" as "local", or "ldap" is not supported. If a value is not specified, it will default to "cloud-central".</li> </ul> |
| firstName    | string | True     | <p>JSON string containing a user-specified long form first name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                    |

| Name        | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lastName    | string | True     | <p>JSON string containing a user-specified long-form last name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                          |
| companyName | string | False    | <p>JSON string containing the company name associated with the user. If this key does not exist, it indicates that a company name has not been provided. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul> |
| email       | string | True     | <p>JSON strings containing a user-specified email address.</p>                                                                                                                                                                                                                                                                                                                                              |
| phone       | string | False    | <p>JSON string containing the phone number of the user. If this key does not exist, it indicates that a phone number has not been provided.</p>                                                                                                                                                                                                                                                             |

| Name             | Type                          | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| postalAddress    | <a href="#">postalAddress</a> | False    | JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.                                                                                                                                                                                                  |
| sendWelcomeEmail | string                        | True     | <p>JSON string indicating whether a welcome email will be sent after validation. If not specified on create, the value will be set to "true" for ACS and "false" for Astra Control Center. Defined values are:</p> <ul style="list-style-type: none"> <li>"true" - A welcome email will be sent; default value on create</li> <li>"false" - A welcome email will not be sent<br/>For a user with "authProvider" as "local" or "ldap", this value is ignored and is set to "false".</li> </ul> |
| enableTimestamp  | string                        | False    | <p>JSON string containing an ISO-8601 formatted timestamp indicating when the user was last enabled. Defined values are:</p> <ul style="list-style-type: none"> <li>Conforms to the ISO-8601 Date Time Schema</li> </ul>                                                                                                                                                                                                                                                                      |

| Name             | Type                                       | Required | Description                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------|--------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lastActTimestamp | string                                     | False    | JSON string containing an ISO-8601 formatted timestamp indicating when the identity API was last invoked on behalf of this user. (Note: This is expensive.)<br>Defined values are: <ul style="list-style-type: none"> <li>• Conforms to the ISO-8601 Date Time Schema</li> </ul>                                                                                                                   |
| metadata         | <a href="#">type_astra_metadata_update</a> | True     | Client and service-specified metadata associated with the resource. Defined values are: <ul style="list-style-type: none"> <li>• 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.</li> </ul> |

#### type\_astra\_metadata\_list

| Name                  | Type                                      | Required | Description |
|-----------------------|-------------------------------------------|----------|-------------|
| continue              | string                                    | False    |             |
| count                 | number                                    | False    |             |
| labels                | array[ <a href="#">type_astra_label</a> ] | 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 user

GET /accounts/{account\_id}/core/v1/users/{user\_id}

Returns the stored User 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"> <li>example: <code>{{.Account}}</code></li> </ul> |
| user_id    | string | path | True     | ID of the user collection to list                                                                                          |

### Response

Status: 200, Returns the stored User 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"> <li>"application/astra-user"</li> </ul> |

| Name    | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| version | string | True     | Version of the resource. Defined values are: <ul style="list-style-type: none"> <li>• "1.0"</li> <li>• "1.1"</li> <li>• "1.2"</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| id      | string | True     | Globally unique identifier of the resource. Defined values are: <ul style="list-style-type: none"> <li>• Conforms to the UUIDv4 Schema</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| state   | string | True     | JSON string containing a value indicating the operational state of the user. Defined values are: <ul style="list-style-type: none"> <li>• "pending" - The user account is in the process of being created. The user can only read and modify the user resource (default value).</li> <li>• This state is not valid for a user with "authProvider" as "local"</li> <li>• "active" - The user account is operational (The user can log in if the account setting "isEnabled" is "true").</li> <li>• This is the default value for a user with "authProvider" as "local"</li> <li>• "suspended" - The user account is suspended (The user cannot log in regardless of account "isEnabled" setting).</li> </ul> |



| Name      | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                      |
|-----------|--------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| isEnabled | string | True     | <p>JSON string indicating if the user is allowed to log in. Defined values are:</p> <ul style="list-style-type: none"> <li>• "true" - The user is allowed to log in; default value on create.</li> <li>• "false" - The user is not allowed to log in.</li> </ul>                                                                                                 |
| authID    | string | False    | <p>JSON string containing the identifier associated with an external identity provider. The contents of this string depend on the specified authProvider. For a user with "authProvider" as "local", "authID" is set to the value of "email". For a user with "authProvider" as "ldap", "authID" is set to its Distinguished Name (DN) from the LDAP server.</p> |

| Name         | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| authProvider | string | False    | <p>JSON string indicating the context of the idAuth identifier. Defined values are:</p> <ul style="list-style-type: none"> <li>• "cloud-central" - User authentication comes from the NetApp Cloud Central service</li> <li>• "local" - User authentication comes from the local user/password store</li> <li>• "ldap" - User authentication comes from an external LDAP server In Astra Control Center, all users are required to have a value of "local", or "ldap". If a value is not specified, a default value of "local" is chosen. In Astra Control Service, "authProvider" as "local", or "ldap" is not supported. If a value is not specified, it will default to "cloud-central".</li> </ul> |
| firstName    | string | True     | <p>JSON string containing a user-specified long form first name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                    |

| Name        | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lastName    | string | True     | <p>JSON string containing a user-specified long-form last name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                          |
| companyName | string | False    | <p>JSON string containing the company name associated with the user. If this key does not exist, it indicates that a company name has not been provided. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul> |
| email       | string | True     | <p>JSON strings containing a user-specified email address.</p>                                                                                                                                                                                                                                                                                                                                              |
| phone       | string | False    | <p>JSON string containing the phone number of the user. If this key does not exist, it indicates that a phone number has not been provided.</p>                                                                                                                                                                                                                                                             |

| Name             | Type                          | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| postalAddress    | <a href="#">postalAddress</a> | False    | JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.                                                                                                                                                                                                  |
| sendWelcomeEmail | string                        | True     | <p>JSON string indicating whether a welcome email will be sent after validation. If not specified on create, the value will be set to "true" for ACS and "false" for Astra Control Center. Defined values are:</p> <ul style="list-style-type: none"> <li>"true" - A welcome email will be sent; default value on create</li> <li>"false" - A welcome email will not be sent<br/>For a user with "authProvider" as "local" or "ldap", this value is ignored and is set to "false".</li> </ul> |
| enableTimestamp  | string                        | False    | <p>JSON string containing an ISO-8601 formatted timestamp indicating when the user was last enabled. Defined values are:</p> <ul style="list-style-type: none"> <li>Conforms to the ISO-8601 Date Time Schema</li> </ul>                                                                                                                                                                                                                                                                      |

| Name             | Type                       | Required | Description                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------|----------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lastActTimestamp | string                     | False    | <p>JSON string containing an ISO-8601 formatted timestamp indicating when the identity API was last invoked on behalf of this user. (Note: This is expensive.) Defined values are:</p> <ul style="list-style-type: none"> <li>• Conforms to the ISO-8601 Date Time Schema</li> </ul>                                                                                                                      |
| 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"> <li>• 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.</li> </ul> |

## Example response

```
{
  "type": "application/astra-user",
  "version": "1.2",
  "id": "5bad8e04-e2fd-5c43-98d7-300580993f49",
  "state": "active",
  "isEnabled": "true",
  "authID": "HteLK3hk28sdbDLKHReB",
  "authProvider": "cloud-central",
  "firstName": "John",
  "lastName": "Doe",
  "companyName": "NetApp, Inc.",
  "email": "<a href='mailto:jdoe@example.com'>jdoe@example.com</a>",
  "phone": "408-555-2222",
  "postalAddress": {
    "addressCountry": "US",
    "addressLocality": "Sunnyvale",
    "addressRegion": "California",
    "postalCode": "94089",
    "streetAddress1": "495 East Java Drive"
  },
  "sendWelcomeEmail": "true",
  "enableTimestamp": "2020-08-05T14:24:54.128427Z",
  "lastActTimestamp": "2020-08-05T14:24:54.128427Z",
  "metadata": {
    "labels": [],
    "creationTimestamp": "2022-10-06T20:58:16.305662Z",
    "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
    "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
  }
}
```

## Response

Status: 401, Unauthorized

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

| Name          | Type   | Required | Description |
|---------------|--------|----------|-------------|
| status        | string | True     |             |
| correlationID | string | False    |             |

#### Example response

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

## Response

Status: 400, Bad request

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

#### Example response

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

## Response

Status: 403, Forbidden

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

### Example response

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

## Error

Status: 404, Not found

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



### Example error response

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

### Definitions

## See Definitions

### postalAddress

JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.

| Name            | Type   | Required | Description                                                                                                                                                                                                                                       |
|-----------------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| addressCountry  | string | True     | JSON string containing the country name or country code associated with the postal address, as specified in ISO 3166 Alpha-2. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 2</li><li>• Maximum length: 2</li></ul> |
| addressLocality | string | True     | JSON string containing the locality (for example, city) associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                  |
| addressRegion   | string | True     | JSON string containing the region (for example, state) associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                   |
| postalCode      | string | True     | JSON string containing the postal code associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                                   |

| Name           | Type   | Required | Description                                                                                                                                                                                                               |
|----------------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| streetAddress1 | string | True     | JSON string containing the street address associated with the postal address. Defined values are: <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> </ul>                     |
| streetAddress2 | string | False    | JSON string containing optional ancillary street address information, post office box, and so on. Defined values are: <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> </ul> |

#### 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 user

PUT /accounts/{account\_id}/core/v1/users/{user\_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"> <li>example: <code>{{.Account}}</code></li> </ul> |
| user_id    | string | path | True     | ID of the user 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"> <li>"application/astra-user"</li> </ul> |

| Name    | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| version | string | True     | Version of the resource. Defined values are: <ul style="list-style-type: none"> <li>• "1.0"</li> <li>• "1.1"</li> <li>• "1.2"</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| id      | string | False    | Globally unique identifier of the resource. Defined values are: <ul style="list-style-type: none"> <li>• Conforms to the UUIDv4 Schema</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| state   | string | False    | JSON string containing a value indicating the operational state of the user. Defined values are: <ul style="list-style-type: none"> <li>• "pending" - The user account is in the process of being created. The user can only read and modify the user resource (default value).</li> <li>• This state is not valid for a user with "authProvider" as "local"</li> <li>• "active" - The user account is operational (The user can log in if the account setting "isEnabled" is "true").</li> <li>• This is the default value for a user with "authProvider" as "local"</li> <li>• "suspended" - The user account is suspended (The user cannot log in regardless of account "isEnabled" setting).</li> </ul> |

| Name      | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                      |
|-----------|--------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| isEnabled | string | False    | <p>JSON string indicating if the user is allowed to log in. Defined values are:</p> <ul style="list-style-type: none"> <li>• "true" - The user is allowed to log in; default value on create.</li> <li>• "false" - The user is not allowed to log in.</li> </ul>                                                                                                 |
| authID    | string | False    | <p>JSON string containing the identifier associated with an external identity provider. The contents of this string depend on the specified authProvider. For a user with "authProvider" as "local", "authID" is set to the value of "email". For a user with "authProvider" as "ldap", "authID" is set to its Distinguished Name (DN) from the LDAP server.</p> |

| Name         | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| authProvider | string | False    | <p>JSON string indicating the context of the idAuth identifier. Defined values are:</p> <ul style="list-style-type: none"> <li>• "cloud-central" - User authentication comes from the NetApp Cloud Central service</li> <li>• "local" - User authentication comes from the local user/password store</li> <li>• "ldap" - User authentication comes from an external LDAP server In Astra Control Center, all users are required to have a value of "local", or "ldap". If a value is not specified, a default value of "local" is chosen. In Astra Control Service, "authProvider" as "local", or "ldap" is not supported. If a value is not specified, it will default to "cloud-central".</li> </ul> |
| firstName    | string | False    | <p>JSON string containing a user-specified long form first name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                    |

| Name        | Type   | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lastName    | string | False    | <p>JSON string containing a user-specified long-form last name. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 0</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul>                                                                                          |
| companyName | string | False    | <p>JSON string containing the company name associated with the user. If this key does not exist, it indicates that a company name has not been provided. Defined values are:</p> <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> <li>• This string is internally validated to prevent XSS, Unicode, directory traversal, and SQL-injection attacks</li> </ul> |
| email       | string | False    | JSON strings containing a user-specified email address.                                                                                                                                                                                                                                                                                                                                                     |
| phone       | string | False    | JSON string containing the phone number of the user. If this key does not exist, it indicates that a phone number has not been provided.                                                                                                                                                                                                                                                                    |



| Name             | Type                          | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| postalAddress    | <a href="#">postalAddress</a> | False    | JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.                                                                                                                                                                                                  |
| sendWelcomeEmail | string                        | False    | <p>JSON string indicating whether a welcome email will be sent after validation. If not specified on create, the value will be set to "true" for ACS and "false" for Astra Control Center. Defined values are:</p> <ul style="list-style-type: none"> <li>"true" - A welcome email will be sent; default value on create</li> <li>"false" - A welcome email will not be sent<br/>For a user with "authProvider" as "local" or "ldap", this value is ignored and is set to "false".</li> </ul> |
| enableTimestamp  | string                        | False    | <p>JSON string containing an ISO-8601 formatted timestamp indicating when the user was last enabled. Defined values are:</p> <ul style="list-style-type: none"> <li>Conforms to the ISO-8601 Date Time Schema</li> </ul>                                                                                                                                                                                                                                                                      |

| Name             | Type                       | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------|----------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lastActTimestamp | string                     | False    | <p>JSON string containing an ISO-8601 formatted timestamp indicating when the identity API was last invoked on behalf of this user. (Note: This is expensive.) Defined values are:</p> <ul style="list-style-type: none"> <li>• Conforms to the ISO-8601 Date Time Schema</li> </ul>                                                                                                                       |
| 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"> <li>• 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.</li> </ul> |

#### Example request

```
{
  "type": "application/astra-user",
  "version": "1.2",
  "firstName": "John",
  "lastName": "Dale",
  "email": "<a href='mailto:jdale@example.com'>jdale@example.com</a>"
}
```

#### Response

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

## Response

Status: 401, Unauthorized

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

### Example response

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

## Response

Status: 400, Bad request

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

### Example response

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

## Response

Status: 409, Conflict

| Name          | Type                 | Required | Description                         |
|---------------|----------------------|----------|-------------------------------------|
| type          | string               | True     |                                     |
| title         | string               | True     |                                     |
| detail        | string               | True     |                                     |
| status        | string               | True     |                                     |
| correlationID | string               | False    |                                     |
| 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/11",
  "title": "Operation not permitted",
  "detail": "The requested operation isn't permitted.",
  "status": "403"
}
```

#### Error

Status: 404, Not found

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

#### Example error response

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

**Definitions**

## See Definitions

### postalAddress

JSON object containing a collection of fields that specifies an address. If this key does not exist, it indicates that an address has not been provided. If this key exists, all six of the contained fields will be present. If nothing was provided by the user, the string will be empty.

| Name            | Type   | Required | Description                                                                                                                                                                                                                                       |
|-----------------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| addressCountry  | string | True     | JSON string containing the country name or country code associated with the postal address, as specified in ISO 3166 Alpha-2. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 2</li><li>• Maximum length: 2</li></ul> |
| addressLocality | string | True     | JSON string containing the locality (for example, city) associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                  |
| addressRegion   | string | True     | JSON string containing the region (for example, state) associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                   |
| postalCode      | string | True     | JSON string containing the postal code associated with the postal address. Defined values are: <ul style="list-style-type: none"><li>• Minimum length: 1</li><li>• Maximum length: 63</li></ul>                                                   |

| Name           | Type   | Required | Description                                                                                                                                                                                                               |
|----------------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| streetAddress1 | string | True     | JSON string containing the street address associated with the postal address. Defined values are: <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> </ul>                     |
| streetAddress2 | string | False    | JSON string containing optional ancillary street address information, post office box, and so on. Defined values are: <ul style="list-style-type: none"> <li>• Minimum length: 1</li> <li>• Maximum length: 63</li> </ul> |

#### type\_astra\_label

| Name  | Type   | Required | Description |
|-------|--------|----------|-------------|
| name  | string | True     |             |
| value | string | True     |             |

#### type\_astra\_metadata\_update

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

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

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

#### invalidParams



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

invalidFields

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

## Delete a user

DELETE /accounts/{account\_id}/core/v1/users/{user\_id}

Removes the specified User API resource.

### Side Effects

- The following resources associated with the user are deleted: notificationMarks, tokens, and all roleBindings referring to the user.
- For a user with "authProvider" as "local", the linked credential with "keyType" as "passwordHash" will also be deleted.

### Parameters

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

### Response

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

## Response

Status: 401, Unauthorized

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

## Example response

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

## Response

Status: 400, Bad request

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

### Example response

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

## Response

Status: 403, Forbidden

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

### Example response

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

## Error

Status: 404, Not found

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

| Name          | Type   | Required | Description |
|---------------|--------|----------|-------------|
| status        | string | True     |             |
| correlationID | string | False    |             |

### Example error response

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

## Definitions

### See Definitions

#### invalidParams

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

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