



License

Astra Automation

NetApp
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License

License overview

The License API represents licenses loaded into the account.

Create a new license

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

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

Parameters

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

Request Body

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

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

| Name | Type | Required | Description |
|--------------------|--------|----------|---|
| allocation | string | False | <p>JSON string containing an ID indicating what the license is allocated to. Only present when the license is allocated. For Astra Control Center licenses, this field must be populated with the account ID and must match the account ID specified in the POST URI. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema |
| deviceCredentialID | string | False | <p>JSON string containing the identifier of the deviceCredential associated with the Credential API. Only present for Astra Data Store licenses. Defined value are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema |
| licenseText | string | True | <p>JSON string containing a base64 encoded representation of the license JSON as obtained from the NetApp license system. This must be provided in the original byte-level order to allow signature verification. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the base64 Encoded Data Schema |

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

Example request

```
{
  "type": "application/astra-license",
  "version": "1.0",
  "allocation": "4185d09b-6687-4801-a832-c005a9d94f41",
  "licenseText": "ewogICAic3RhdHVzUmVzcCI6ewogMTYwNzAwIgp9"
}
```

Response

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

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

| Name | Type | Required | Description |
|--------------------|--------|----------|--|
| version | string | True | Version of the resource. Defined values are: <ul style="list-style-type: none"> • "1.0" |
| id | string | True | Globally unique identifier of the resource. Defined values are: <ul style="list-style-type: none"> • Conforms to the UUIDv4 Schema |
| allocation | string | False | JSON string containing an ID indicating what the license is allocated to. Only present when the license is allocated. For Astra Control Center licenses, this field must be populated with the account ID and must match the account ID specified in the POST URI. Defined values are: <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema |
| hostID | string | False | JSON string containing a host identifier that a license is bound to. Only present if the license is host-locked. Defined values are: <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 63 |
| deviceCredentialID | string | False | JSON string containing the identifier of the deviceCredential associated with the Credential API. Only present for Astra Data Store licenses. Defined value are: <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema |

| Name | Type | Required | Description |
|--------------------|--------|----------|--|
| isEvaluation | string | True | <p>JSON string indicating whether the license is an evaluation license. Defined values are:</p> <ul style="list-style-type: none"> • "true" • "false" |
| licenseProtocol | string | True | <p>JSON string containing the license protocol extracted from the license. Defined values are:</p> <ul style="list-style-type: none"> • String contents not validated by the schema |
| licenseText | string | True | <p>JSON string containing a base64 encoded representation of the license JSON as obtained from the NetApp license system. This must be provided in the original byte-level order to allow signature verification. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the base64 Encoded Data Schema |
| validFromTimestamp | string | True | <p>JSON string containing a timestamp indicating when the license becomes valid. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the ISO-8601 Date Time Schema |

| Name | Type | Required | Description |
|---------------------|--------|----------|---|
| validUntilTimestamp | string | True | <p>JSON string containing a timestamp indicating when the license is no longer valid. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the ISO-8601 Date Time Schema |
| product | string | True | <p>JSON string containing the product string extracted from the license. Defined values are:</p> <ul style="list-style-type: none"> • String contents not validated by the schema |
| productVersion | string | True | <p>JSON string containing the version string extracted from the license. Defined values are:</p> <ul style="list-style-type: none"> • String contents not validated by the schema |
| productSN | string | True | <p>JSON string containing the serial number string extracted from the license. Defined values are:</p> <ul style="list-style-type: none"> • String contents not validated by the schema |
| features | string | True | <p>JSON string containing the package value extracted from the license. Defined values are:</p> <ul style="list-style-type: none"> • String contents not validated by the schema |

| Name | Type | Required | Description |
|-----------|----------------------------|----------|--|
| capacity | string | True | JSON string containing the capacity extracted from the license. |
| capacity2 | string | True | JSON string containing the secondary capacity extracted from the license. |
| addons | array[addons] | False | JSON array of JSON objects containing the list of add-ons from the license. An add-on is a change in license occurring at a potential future date. |
| metadata | type_astra_metadata_update | True | <p>Client and service-specified metadata associated with the resource. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Metadata Schema. If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification. |

Example response

```
{
  "type": "application/astra-license",
  "version": "1.0",
  "id": "6db53b32-8417-5d3c-8ef0-552fc602c78f",
  "allocation": "4185d09b-6687-4801-a832-c005a9d94f41",
  "hostID": "99132549-e0c2-4203-9d1e-598628b4ff9b",
  "isEvaluation": "false",
  "licenseProtocol": "ASTRASDS-ENT-SUBS",
  "licenseText": "ewogICAic3RhdHVzUmVzcCI6ewogMTYwNzAwIgp9",
  "validFromTimestamp": "2020-08-06T00:00:00.000000Z",
  "validUntilTimestamp": "2021-08-06T00:00:00.000000Z",
  "product": "Astra Control Center",
  "productVersion": "1.0",
  "productSN": "320000046",
  "features": "ASTRA-ENT-STD",
  "capacity": "4000",
  "capacity2": "0",
  "addons": [
    {
      "startDate": "2020-08-06T00:00:00.000000Z",
      "endDate": "2021-08-06T00:00:00.000000Z",
      "capacity": "4000",
      "licenseProtocol": "ASTRA-ENT-STD",
      "features": "p-nfs, dm-storage-policy-based-pvs-for-k8s, dm-spbm-
based-vvols-for-vms, dm-storage-efficiency, dm-data-at-rest-encryption"
    }
  ],
  "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

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 | |

addons

| Name | Type | Required | Description |
|-----------|--------|----------|--|
| startDate | string | False | JSON string containing a timestamp indicating when this add-on becomes valid. Defined values are: <ul style="list-style-type: none">• Conforms to the ISO-8601 Date Time Schema |
| endDate | string | False | JSON string containing a timestamp indicating when this add-on is no longer valid. Defined values are: <ul style="list-style-type: none">• Conforms to the ISO-8601 Date Time Schema |

| Name | Type | Required | Description |
|-----------------|--------|----------|---|
| features | string | False | JSON string containing the list of features associated with this add-on. Defined values are: <ul style="list-style-type: none"> • String contents not validated by the schema. |
| capacity | string | False | JSON string containing the capacity extracted from the add-on. Defined values are: <ul style="list-style-type: none"> • String contents not validated by the schema |
| licenseProtocol | string | False | JSON string containing the license protocol associated with this add-on. Defined values are: <ul style="list-style-type: none"> • String contents not validated by the schema |

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 licenses

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

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

Parameters

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

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

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: license_1.0_get_response_body , array[]] | True | |
| metadata | type_astra_metadata_list | True | |

Example response

```
{
  "type": "application/astra-licenses",
  "version": "1.0",
  "items": [
    [
      "c8aa757a-5318-489f-8134-a2a1a6956a3e",
      "Astra SDS"
    ],
    [
      "0f7cc03d-9afc-4192-af7f-b29ab24f8f2a",
      "Astra Enterprise"
    ]
  ],
  "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

addons

| Name | Type | Required | Description |
|-----------------|--------|----------|--|
| startDate | string | False | JSON string containing a timestamp indicating when this add-on becomes valid. Defined values are: <ul style="list-style-type: none">• Conforms to the ISO-8601 Date Time Schema |
| endDate | string | False | JSON string containing a timestamp indicating when this add-on is no longer valid. Defined values are: <ul style="list-style-type: none">• Conforms to the ISO-8601 Date Time Schema |
| features | string | False | JSON string containing the list of features associated with this add-on. Defined values are: <ul style="list-style-type: none">• String contents not validated by the schema. |
| capacity | string | False | JSON string containing the capacity extracted from the add-on. Defined values are: <ul style="list-style-type: none">• String contents not validated by the schema |
| licenseProtocol | string | False | JSON string containing the license protocol associated with this add-on. Defined values are: <ul style="list-style-type: none">• String contents not validated by the schema |

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 | |

license_1.0_get_response_body

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

| Name | Type | Required | Description |
|--------------------|--------|----------|---|
| allocation | string | False | <p>JSON string containing an ID indicating what the license is allocated to. Only present when the license is allocated. For Astra Control Center licenses, this field must be populated with the account ID and must match the account ID specified in the POST URI. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema |
| hostID | string | False | <p>JSON string containing a host identifier that a license is bound to. Only present if the license is host-locked. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 63 |
| deviceCredentialID | string | False | <p>JSON string containing the identifier of the deviceCredential associated with the Credential API. Only present for Astra Data Store licenses. Defined value are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema |
| isEvaluation | string | True | <p>JSON string indicating whether the license is an evaluation license. Defined values are:</p> <ul style="list-style-type: none"> • "true" • "false" |

| Name | Type | Required | Description |
|---------------------|--------|----------|--|
| licenseProtocol | string | True | <p>JSON string containing the license protocol extracted from the license. Defined values are:</p> <ul style="list-style-type: none"> • String contents not validated by the schema |
| licenseText | string | True | <p>JSON string containing a base64 encoded representation of the license JSON as obtained from the NetApp license system. This must be provided in the original byte-level order to allow signature verification. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the base64 Encoded Data Schema |
| validFromTimestamp | string | True | <p>JSON string containing a timestamp indicating when the license becomes valid. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the ISO-8601 Date Time Schema |
| validUntilTimestamp | string | True | <p>JSON string containing a timestamp indicating when the license is no longer valid. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the ISO-8601 Date Time Schema |

| Name | Type | Required | Description |
|----------------|--------|----------|--|
| product | string | True | <p>JSON string containing the product string extracted from the license. Defined values are:</p> <ul style="list-style-type: none"> • String contents not validated by the schema |
| productVersion | string | True | <p>JSON string containing the version string extracted from the license. Defined values are:</p> <ul style="list-style-type: none"> • String contents not validated by the schema |
| productSN | string | True | <p>JSON string containing the serial number string extracted from the license. Defined values are:</p> <ul style="list-style-type: none"> • String contents not validated by the schema |
| features | string | True | <p>JSON string containing the package value extracted from the license. Defined values are:</p> <ul style="list-style-type: none"> • String contents not validated by the schema |
| capacity | string | True | <p>JSON string containing the capacity extracted from the license.</p> |
| capacity2 | string | True | <p>JSON string containing the secondary capacity extracted from the license.</p> |

| Name | Type | Required | Description |
|----------|----------------------------|----------|--|
| addons | array[addons] | False | JSON array of JSON objects containing the list of add-ons from the license. An add-on is a change in license occurring at a potential future date. |
| metadata | type_astra_metadata_update | True | <p>Client and service-specified metadata associated with the resource. Defined values are:</p> <ul style="list-style-type: none"> Conforms to the Astra Metadata Schema. If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification. |

type_astra_metadata_list

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

invalidParams

| Name | Type | Required | Description |
|------|--------|----------|-------------------------------------|
| name | string | True | Name of the invalid query parameter |

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

Retrieve a license

GET /accounts/{account_id}/core/v1/licenses/{license_id}

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

Parameters

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

Response

Status: 200, Returns the stored License API resource in the JSON response body.

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

| Name | Type | Required | Description |
|--------------------|--------|----------|---|
| id | string | True | <p>Globally unique identifier of the resource. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the UUIDv4 Schema |
| allocation | string | False | <p>JSON string containing an ID indicating what the license is allocated to. Only present when the license is allocated. For Astra Control Center licenses, this field must be populated with the account ID and must match the account ID specified in the POST URI. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema |
| hostID | string | False | <p>JSON string containing a host identifier that a license is bound to. Only present if the license is host-locked. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 63 |
| deviceCredentialID | string | False | <p>JSON string containing the identifier of the deviceCredential associated with the Credential API. Only present for Astra Data Store licenses. Defined value are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema |

| Name | Type | Required | Description |
|--------------------|--------|----------|--|
| isEvaluation | string | True | <p>JSON string indicating whether the license is an evaluation license. Defined values are:</p> <ul style="list-style-type: none"> • "true" • "false" |
| licenseProtocol | string | True | <p>JSON string containing the license protocol extracted from the license. Defined values are:</p> <ul style="list-style-type: none"> • String contents not validated by the schema |
| licenseText | string | True | <p>JSON string containing a base64 encoded representation of the license JSON as obtained from the NetApp license system. This must be provided in the original byte-level order to allow signature verification. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the base64 Encoded Data Schema |
| validFromTimestamp | string | True | <p>JSON string containing a timestamp indicating when the license becomes valid. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the ISO-8601 Date Time Schema |

| Name | Type | Required | Description |
|---------------------|--------|----------|---|
| validUntilTimestamp | string | True | <p>JSON string containing a timestamp indicating when the license is no longer valid. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the ISO-8601 Date Time Schema |
| product | string | True | <p>JSON string containing the product string extracted from the license. Defined values are:</p> <ul style="list-style-type: none"> • String contents not validated by the schema |
| productVersion | string | True | <p>JSON string containing the version string extracted from the license. Defined values are:</p> <ul style="list-style-type: none"> • String contents not validated by the schema |
| productSN | string | True | <p>JSON string containing the serial number string extracted from the license. Defined values are:</p> <ul style="list-style-type: none"> • String contents not validated by the schema |
| features | string | True | <p>JSON string containing the package value extracted from the license. Defined values are:</p> <ul style="list-style-type: none"> • String contents not validated by the schema |

| Name | Type | Required | Description |
|-----------|----------------------------|----------|--|
| capacity | string | True | JSON string containing the capacity extracted from the license. |
| capacity2 | string | True | JSON string containing the secondary capacity extracted from the license. |
| addons | array[addons] | False | JSON array of JSON objects containing the list of add-ons from the license. An add-on is a change in license occurring at a potential future date. |
| metadata | type_astra_metadata_update | True | <p>Client and service-specified metadata associated with the resource. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Metadata Schema. If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification. |

Example response

```
{
  "type": "application/astra-license",
  "version": "1.0",
  "id": "6db53b32-8417-5d3c-8ef0-552fc602c78f",
  "allocation": "4185d09b-6687-4801-a832-c005a9d94f41",
  "hostID": "99132549-e0c2-4203-9d1e-598628b4ff9b",
  "isEvaluation": "false",
  "licenseProtocol": "ASTRASDS-ENT-SUBS",
  "licenseText": "ewogICAic3RhdHVzUmVzcCI6ewogMTYwNzAwIgp9",
  "validFromTimestamp": "2020-08-06T00:00:00.000000Z",
  "validUntilTimestamp": "2021-08-06T00:00:00.000000Z",
  "product": "Astra Control Center",
  "productVersion": "1.0",
  "productSN": "320000046",
  "features": "ASTRA-ENT-STD",
  "capacity": "4000",
  "capacity2": "0",
  "addons": [
    {
      "startDate": "2020-08-06T00:00:00.000000Z",
      "endDate": "2021-08-06T00:00:00.000000Z",
      "capacity": "4000",
      "licenseProtocol": "ASTRA-ENT-STD",
      "features": "p-nfs, dm-storage-policy-based-pvs-for-k8s, dm-spbm-
based-vvols-for-vms, dm-storage-efficiency, dm-data-at-rest-encryption"
    }
  ],
  "metadata": {
    "labels": [],
    "creationTimestamp": "2022-10-06T20:58:16.305662Z",
    "modificationTimestamp": "2022-10-06T20:58:16.305662Z",
    "createdBy": "8f84cf09-8036-51e4-b579-bd30cb07b269"
  }
}
```

Response

Status: 401, Unauthorized

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

Example response

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

Response

Status: 400, Bad request

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

Example response

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

Response

Status: 403, Forbidden

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

Example response

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

Error

Status: 404, Not found

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

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

Example error response

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

Definitions

See Definitions

addons

| Name | Type | Required | Description |
|-----------------|--------|----------|--|
| startDate | string | False | JSON string containing a timestamp indicating when this add-on becomes valid. Defined values are: <ul style="list-style-type: none">• Conforms to the ISO-8601 Date Time Schema |
| endDate | string | False | JSON string containing a timestamp indicating when this add-on is no longer valid. Defined values are: <ul style="list-style-type: none">• Conforms to the ISO-8601 Date Time Schema |
| features | string | False | JSON string containing the list of features associated with this add-on. Defined values are: <ul style="list-style-type: none">• String contents not validated by the schema. |
| capacity | string | False | JSON string containing the capacity extracted from the add-on. Defined values are: <ul style="list-style-type: none">• String contents not validated by the schema |
| licenseProtocol | string | False | JSON string containing the license protocol associated with this add-on. Defined values are: <ul style="list-style-type: none">• String contents not validated by the schema |

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 license

PUT /accounts/{account_id}/core/v1/licenses/{license_id}

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

Side Effects

- Entitlements are recalculated to add or merge the license entitlements visible through the Entitlement API.

Parameters

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

Request Body

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

Side Effects

- Entitlements are recalculated to add or merge the license entitlements visible through the Entitlement API.

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

| Name | Type | Required | Description |
|--------------------|--------|----------|---|
| allocation | string | False | <p>JSON string containing an ID indicating what the license is allocated to. Only present when the license is allocated. For Astra Control Center licenses, this field must be populated with the account ID and must match the account ID specified in the POST URI. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema |
| hostID | string | False | <p>JSON string containing a host identifier that a license is bound to. Only present if the license is host-locked. Defined values are:</p> <ul style="list-style-type: none"> • Minimum length: 1 • Maximum length: 63 |
| deviceCredentialID | string | False | <p>JSON string containing the identifier of the deviceCredential associated with the Credential API. Only present for Astra Data Store licenses. Defined value are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Identifier Schema |
| isEvaluation | string | False | <p>JSON string indicating whether the license is an evaluation license. Defined values are:</p> <ul style="list-style-type: none"> • "true" • "false" |

| Name | Type | Required | Description |
|---------------------|--------|----------|--|
| licenseProtocol | string | False | <p>JSON string containing the license protocol extracted from the license. Defined values are:</p> <ul style="list-style-type: none"> • String contents not validated by the schema |
| licenseText | string | False | <p>JSON string containing a base64 encoded representation of the license JSON as obtained from the NetApp license system. This must be provided in the original byte-level order to allow signature verification. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the base64 Encoded Data Schema |
| validFromTimestamp | string | False | <p>JSON string containing a timestamp indicating when the license becomes valid. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the ISO-8601 Date Time Schema |
| validUntilTimestamp | string | False | <p>JSON string containing a timestamp indicating when the license is no longer valid. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the ISO-8601 Date Time Schema |

| Name | Type | Required | Description |
|----------------|--------|----------|---|
| product | string | False | JSON string containing the product string extracted from the license. Defined values are: <ul style="list-style-type: none"> • String contents not validated by the schema |
| productVersion | string | False | JSON string containing the version string extracted from the license. Defined values are: <ul style="list-style-type: none"> • String contents not validated by the schema |
| productSN | string | False | JSON string containing the serial number string extracted from the license. Defined values are: <ul style="list-style-type: none"> • String contents not validated by the schema |
| features | string | False | JSON string containing the package value extracted from the license. Defined values are: <ul style="list-style-type: none"> • String contents not validated by the schema |
| capacity | string | False | JSON string containing the capacity extracted from the license. |
| capacity2 | string | False | JSON string containing the secondary capacity extracted from the license. |

| Name | Type | Required | Description |
|----------|----------------------------|----------|---|
| addons | array[addons] | False | JSON array of JSON objects containing the list of add-ons from the license. An add-on is a change in license occurring at a potential future date. |
| metadata | type_astra_metadata_update | False | <p>Client and service-specified metadata associated with the resource. Defined values are:</p> <ul style="list-style-type: none"> • Conforms to the Astra Metadata Schema If not specified on create, a metadata object will be created with no labels. If not specified on update, the metadata object's labels, creationTimestamp and createdBy, will be preserved without modification. |

Example request

```
{
  "type": "application/astra-license",
  "version": "1.0",
  "allocation": "4185d09b-6687-4801-a832-c005a9d94f41",
  "licenseText": "ewogICAic3RhdHVzUmVzcCI6ewogMTYwNzAwIgp9"
}
```

Response

Status: 204, Indicates if the license 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

addons

| Name | Type | Required | Description |
|-----------------|--------|----------|--|
| startDate | string | False | JSON string containing a timestamp indicating when this add-on becomes valid. Defined values are: <ul style="list-style-type: none">• Conforms to the ISO-8601 Date Time Schema |
| endDate | string | False | JSON string containing a timestamp indicating when this add-on is no longer valid. Defined values are: <ul style="list-style-type: none">• Conforms to the ISO-8601 Date Time Schema |
| features | string | False | JSON string containing the list of features associated with this add-on. Defined values are: <ul style="list-style-type: none">• String contents not validated by the schema. |
| capacity | string | False | JSON string containing the capacity extracted from the add-on. Defined values are: <ul style="list-style-type: none">• String contents not validated by the schema |
| licenseProtocol | string | False | JSON string containing the license protocol associated with this add-on. Defined values are: <ul style="list-style-type: none">• String contents not validated by the schema |

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 license

DELETE /accounts/{account_id}/core/v1/licenses/{license_id}

Removes the specified License API resource. The automatically installed evaluation license cannot be deleted.

Side Effects

- Entitlements are recalculated to remove the license entitlements visible through the Entitlement API. If the automatically installed evaluation license was present on this system before deletion, it is reapplied to the system automatically.

Parameters

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

Response

```
Status: 204, Indicates if the license 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 | |
| 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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