

Entitlements (v0.2.0)

Support Team: support@ruckuswireless.com | URL: <http://support.ruckuswireless.com> | License: [RUCKUS Cloud Privacy Policy](#)

Overview

This experimental RUCKUS One Licensing API document describes upcoming behavioral changes to selected licensing endpoints.

What This Experimental API Covers

- Consolidated MSP Licensing: RUCKUS One MSP internal licensing is being consolidated so that the MSP own account no longer requires separate REC licenses compared to the MSP licenses used for MSP EC tenants.
- Current State vs. New Behavior: Historically, REC licenses were required for the MSP own account while MSP licenses were required for MSP ECs. Under the new behavior, MSPs use a unified MSP licensing model across own-account and EC usage.

Scope of Impact

- The behavioral changes only affect RUCKUS One MSP customers and are expected to be adopted through newer API versions.
- The changes do not affect RUCKUS One RECs, but REC customers can also migrate to the newer API versions for additional clarity.

Usage & Compatibility

- These changes are exposed through the v1.2 and v1.3 licensing APIs documented here.
- Existing clients should review their usage of entitlement and compliance APIs for MSP tenants in light of the unified licensing model.

Important Notes

- Please follow the RUCKUS One attention notes by going to the RUCKUS One portal and navigating to Subscriptions > Compliance to see when these changes will take effect in your region.

Additional Information

- If you need more information related to consolidated licensing, refer to <https://support.ruckuswireless.com/articles/000015527>

Entitlement

Entitlement management and license operations.

Get Entitlement Utilization Summaries

Retrieves comprehensive entitlement utilization summaries that provide real-time visibility into how licenses are being consumed. Entitlement utilization summaries are aggregated reports that show license consumption patterns for each license type and device category. These summaries help organizations understand their license usage.

HEADER PARAMETERS

→ Content-Type
required string

REQUEST BODY SCHEMA: application/vnd.ruckus.v1.2+json
required

→ filters >
object (DynamicQueryPayloadFilterDto)
Filter criteria for querying entitlement utilization.

Responses

> 200

Returns utilization response based on tenant type.

> 404

Tenant not found.

> 417

Cannot display subscription data: entitlement ID is missing. At least one tenant subscription must be active.

> 500

Internal Server Error

POST /entitlements/utilizations/query

Request samples

Payload

Content type

application/vnd.ruckus.v1.2+json

Copy Expand all Collapse all

```
{
  "filters": {
    + "licenseType": [ ... ],
    "isTrial": false,
    + "status": [ ... ],
    + "expirationDateRange": { ... },
    "sku": "[A-Z]+-[A-Z]+-[A-Z]+-[A-Z]+[0-9]$",
    "skuTier": "Platinum, Gold, Silver"
  }
}
```

Response samples

200

404

417

500

Content type

application/json

Copy Expand all Collapse all

```
{
  "data": [
    + { ... }
  ]
}
```

Get Entitlements

Retrieves all purchased entitlements for the authenticated tenant. Purchased entitlements represent the licenses and subscriptions acquired through purchases. Each entitlement includes details about the license type, SKU, quantity, effective dates, and expiration dates.

QUERY PARAMETERS

→ excludeContent	boolean
HEADER PARAMETERS	
→ Content-Type required	string
REQUEST BODY SCHEMA: application/vnd.ruckus.v1.2+json ▼ required	
→ defaultPageSize	integer <int32> Default number of records per page to use when pageSize is not explicitly specified or is invalid.
→ sortField	string Field name to use for sorting the query results in ascending or descending order.
→ sortOrder	string Sort order direction for the specified sort field, typically 'ASC' for ascending or 'DESC' for descending.
→ page	integer <int32>
→ pageSize	integer <int32> Number of records to return per page for pagination, with automatic fallback to default if invalid.
→ fields	Array of strings unique Set of specific field names to include in the query response, enabling selective data retrieval.
→ filters >	object (DynamicQueryPayloadFilterDto) Filter criteria object containing various conditions to narrow down query results based on specific parameters.

Responses

> 200
success.
> 404
Tenant not found.
> 417
Cannot display subscription data: entitlement ID is missing. At least one tenant subscription must be active.
> 500
Internal Server Error

POST /entitlements/query

Request samples

Payload

Content type
application/vnd.ruckus.v1.2+json

Copy Expand all Collapse all

```
{
  "defaultPageSize": 0,
  "sortField": "string",
  "sortOrder": "string",
  "page": 0,
  "pageSize": 0,
  "fields": [
    "string"
  ],
  "filters": {
    + "licenseType": [ ... ],
    "isTrial": false,
    + "status": [ ... ],
    + "expirationDateRange": { ... },
    "sku": "[A-Z]+-[A-Z]+-[A-Z]+-[A-Z]+[0-9]$",
    "skuTier": "Platinum, Gold, Silver"
  }
}
```

Response samples

200

404

417

500

Content type

application/vnd.ruckus.v1.2+json

Copy Expand all Collapse all

```
{
  "fields": [
    "string"
  ],
  "totalCount": 0,
  "page": 0,
  "pageSize": 0,
  "objectId": "string",
  "data": [
    null
  ],
  "errors": [
    + { ... }
  ],
  "subsequentQueries": [
    + { ... }
  ]
}
```

Mileage reports with detailed tracking of both available entitlement and assignment changes. This API is available for MSP customers.

HEADER PARAMETERS

Content-Type **required** string

REQUEST BODY SCHEMA: application/vnd.ruckus.v1.2+json **required**

page	integer <int32> The page number to be returned, 1 based, default 1.
pageSize	integer <int32> The page number to be returned, default 20.
filters required	object (CalculatorFilterRequestDto) Filter criteria for the request.

Responses

> 200

success

> 500

Internal Server Error

POST /entitlements/mileageReports/query

Request samples

Payload

Content type

application/vnd.ruckus.v1.2+json

Copy Expand all Collapse all

```
{
  "page": 1,
  "pageSize": 30,
  "filters": {
    "licenseType": "APSW",
    "isTrial": true
  }
}
```

Response samples

200

500

Content type

application/json

CopyExpand allCollapse all

```
{
  "status": "success",
  "message": "Object created/updated successfully.",
  "page": 0,
  "pageSize": 0,
  "totalCount": 0,
  "data": [
    + { ... }
  ]
}
```

Query Entitlement Compliance Status

Retrieves entitlement compliance data that shows whether the tenant's license usage is within authorized limits. Entitlement compliance data provides visibility into license adherence by comparing actual device usage against purchased license quantities. This includes identifying compliant licenses (usage within limits), overallocated licenses (usage exceeds purchased quantity), and underutilized licenses (purchased quantity significantly exceeds usage).

What the Data Includes: Compliance status for each license type, total purchased quantities vs. consumed quantities, active device counts by type, license shortfall or surplus amounts, devices at risk of non-compliance, and compliance trends.

HEADER PARAMETERS

→ Content-Type

required

string

REQUEST BODY SCHEMA:

application/vnd.ruckus.v1.3+json

required

▼

→ filters >

object (LicenseComplianceFilter)

Filter criteria object containing parameters to narrow down compliance query results based on license types and status.

Responses

> 200
success
> 404
This tenant does not exist.
> 415
Unsupported Media Type - Feature not enabled for this tenant.
> 500
Internal Server Error

POST

/entitlements/compliances/query

▼

Request samples

Payload

Content type

application/vnd.ruckus.v1.3+json

Copy

Expand all

Collapse all

```
{
  - "filters": {
    + "licenseType": [ ... ]
  }
}
```

Response samples

200

404

415

500

Content type

application/json

Copy

Expand all

Collapse all

```
{
  - "data": [
    + { ... }
  ]
}
```

Get Entitlements Banners

Retrieve entitlement banner data. Banners provide information about entitlements that are either near their expiry or have expired.

HEADER PARAMETERS

→ Content-Type

required

string

REQUEST BODY SCHEMA:

application/vnd.ruckus.v1.2+json

required

→ filters >

object (Filters)

Filter criteria for determining which entitlement banners to display, containing license type specifications and usage type preferences.

Responses

> 200
success
> 404
This tenant does not exist.
> 500

POST /entitlements/banners/query

Request samples

Payload

Content type

application/vnd.ruckus.v1.2+json

Copy Expand all Collapse all

```
{
  "filters": {
    "licenseType": [ ... ],
    "usageType": "string"
  }
}
```

Response samples

200

404

500

Content type

application/json

Copy Expand all Collapse all

```
{
  "data": [
    { ... }
  ]
}
```

Synchronize entitlements with purchased records

If RUCKUS One licenses are not up to date with purchased licenses, call this API to sync with purchased records. This API syncs RUCKUS One licenses from purchased entitlements.

HEADER PARAMETERS

Content-Type string
required

REQUEST BODY SCHEMA: application/vnd.ruckus.v1.2+json
required

usageType	string	Deprecated Usage type for entitlement synchronization, specifying the context of the sync operation; deprecated and not used in V2.
status	string	
refreshType	string	

Enum: `"FULL"` `"DELTA"` `"PAGINATED"`

Type of refresh operation to perform during synchronization, determining the scope and method of the entitlement data refresh.

Responses

> 202

Sync request accepted. RUCKUS One licenses will be synchronized from purchased records.

> 404

Tenant not found.

> 417

Entitlement ID is missing. At least one tenant subscription must be active.

> 500

Internal Server Error

PATCH /entitlements

Request samples

Payload

Content type

application/vnd.ruckus.v1.2+json

Copy

```
{
  "usageType": "string",
  "status": "string",
  "refreshType": "PAGINATED"
}
```

Response samples

202

404

417

500

Content type

application/json

Copy

```
{
  "link": "http://example.com",
  "desc": "string",
  "requestId": "string"
}
```

Query License Availability

This API allows you to query license availability between two dates or a timeline.

QUERY PARAMETERS

calculatorRequestDto > object (CalculatorRequestDtoBase)
required Calculator Request

HEADER PARAMETERS

Content-Type
required string

REQUEST BODY SCHEMA: application/json

effectiveDate
required string^\\d{4}-\\d{2}-\\d{2}\$
Start date from which the license is valid.

expirationDate
string^\\d{4}-\\d{2}-\\d{2}\$
End date until which the license is valid. Required if operator max quantity is selected.

quantity
integer <int32>
Number of licenses available. Required if operator max period is selected.

operator
required string
Enum: "MAX_QUANTITY" "MAX_PERIOD"
Operator to be used.

filters >
required object (CalculatorFilterRequestDtoV2)
Filter criteria for the request.

Responses

> 200

success.

> 403

Access Denied

> 500

Internal Server Error

POST /entitlements/availabilityReports/query

Request samples

Payload

Content type
application/json

Copy Expand all Collapse all

{
 "effectiveDate": "2021-01-22"
}

```
    "effectiveDate": "2024-01-22",
    "expirationDate": "2025-02-21",
    "quantity": 5,
    "operator": "MAX_QUANTITY",
    - "filters": {
      "usageType": "ASSIGNED",
      "licenseType": "APSW",
      "tier": "Platinum",
      "isTrial": true
    }
  }
}
```

Response samples

200

403

500

Content type

application/vnd.ruckus.v1.2+json



Copy

Expand all

Collapse all

```
{
  "status": "success",
  "message": "Object created/updated successfully.",
  - "data": [
    + { ... }
  ]
}
```