

MAC Registration (UNKNOWN)

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Overview

The MAC Registration REST APIs and Model, allow the creation, deletion, and modification of MAC registration list, and MAC registrations.

What This API Does

- Create, modify, and delete MAC registration list and MAC registrations

Error Handling

The API uses standard HTTP status codes with detailed error messages in the response body.

Common Error Responses

All endpoints may return these common error responses:

- **400 Bad Request:** Invalid input data or validation errors
- **401 Unauthorized:** Missing or invalid authentication
- **403 Forbidden:** Insufficient permissions
- **404 Not Found:** Requested resource doesn't exist
- **409 Conflict:** Resource conflict (e.g., duplicate names)
- **422 Unprocessable Entity:** Business rule violations
- **500 Internal Server Error:** Unexpected server errors

MAC Registration

Operations for managing MAC address registrations within registration pools. MAC registrations allow devices to be authenticated and granted network access based on their MAC address.

Import MAC Registrations to Pool Deprecated

This method will be removed no sooner than 08/31/2026 and application/json is currently tied to application/vnd.ruckus.v1+json which will be moved to application/vnd.ruckus.v1.1+json on 08/31/2026.

PATH PARAMETERS

| | |
|----------------------|--|
| → poolId required | string <uuid> Example: f1ae11f2-1390-47c1-b05e-8377180c2b27 Registration pool id |
|----------------------|--|

REQUEST BODY SCHEMA: multipart/form-data

| | |
|--------------------|-----------------|
| → file required | string <binary> |
|--------------------|-----------------|

Responses

> 201

Registration pools created

> 202

The registration import request is in progress

> 400

Invalid content supplied

> 413

Payload too large

> 419

Exceed max registrations of the pool

POST /macRegistrationPools/{poolId}/registrations/csvFile

Response samples

201

202

400

413

419

Content type

application/json

Copy Expand all Collapse all

```
[
  - {
    "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
    "expirationDate": "2019-08-24T14:15:22Z",
    "revoked": true,
    "macAddress": "string",
    "username": "string",
    "email": "dev@commscope.com",
    "location": "string",
    "deviceName": "string",
    "createdDate": "2019-08-24T14:15:22Z",
    "isReferenced": true,
    + "_links": { ... }
  }
]
```

Create MAC Registration in Pool Deprecated

This method will be removed no sooner than 08/31/2026 and application/json is currently tied to application/vnd.ruckus.v1+json which will be moved to application/vnd.ruckus.v1.1+json on 08/31/2026.

PATH PARAMETERS

poolId required string <uuid>
Example: f1ae11f2-1390-47c1-b05e-8377180c2b27
Registration pool id

REQUEST BODY SCHEMA: application/json required

id string <uuid>
The unique identifier for this MAC registration.

expirationDate


```
{
  "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
  "expirationDate": "2019-08-24T14:15:22Z",
  "revoked": true,
  "macAddress": "string",
  "username": "string",
  "email": "dev@commscope.com",
  "location": "string",
  "deviceName": "string",
  "createdDate": "2019-08-24T14:15:22Z",
  "isReferenced": true,
  "_links": {
    + "property1": { ... },
    + "property2": { ... }
  }
}
```

Response samples

201

202

400

419

Content type

application/json

Copy Expand all Collapse all

```
{
  "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
  "expirationDate": "2019-08-24T14:15:22Z",
  "revoked": true,
  "macAddress": "string",
  "username": "string",
  "email": "dev@commscope.com",
  "location": "string",
  "deviceName": "string",
  "createdDate": "2019-08-24T14:15:22Z",
  "isReferenced": true,
  "_links": {
    + "property1": { ... },
    + "property2": { ... }
  }
}
```

Delete the Specific MAC Registrations Deprecated

This method will be removed no sooner than 08/31/2026 and application/json is currently tied to application/vnd.ruckus.v1+json which will be moved to application/vnd.ruckus.v1.1+json on 08/31/2026.

PATH PARAMETERS

→ poolId required string <uuid>
Example: f1ae11f2-1390-47c1-b05e-8377180c2b27
Registration pool id

REQUEST BODY SCHEMA: application/json required

Array [

```
string <uuid>
]
```

Responses

> **200**

Registration deleted

> **202**

The registration bulk delete request is in progress

> **400**

Invalid ids supplied

DELETE /macRegistrationPools/{poolId}/registrations

Request samples

Payload

Content type

application/json

Copy

```
[
  "497f6eca-6276-4993-bfeb-53cbbbba6f08"
]
```

Response samples

200

202

400

Content type

application/json

Copy

null

Delete the Specific MAC Registration **Deprecated**

This method will be removed no sooner than 08/31/2026 and application/json is currently tied to application/vnd.ruckus.v1+json which will be moved to application/vnd.ruckus.v1.1+json on 08/31/2026.

PATH PARAMETERS

id
required

string <uuid>

Example: f1ae11f2-1390-47c1-b05e-8377180c2b27

MAC registration id

poolId
required

string <uuid>

Example: f1ae11f2-1390-47c1-b05e-8377180c2b27

Responses

> 200

Registration deleted

> 202

The registration delete request is in progress

> 400

Invalid id supplied

> 404

MAC registration not found

> 409

The Registration associated with other resources is not allowed to be deleted

DELETE /macRegistrationPools/{poolId}/registrations/{id}

Response samples

200

202

400

404

409

Content type

application/json

Copy

null

Update a MAC Registration Deprecated

This method will be removed no sooner than 08/31/2026 and application/json is currently tied to application/vnd.ruckus.v1+json which will be moved to application/vnd.ruckus.v1.1+json on 08/31/2026.

PATH PARAMETERS

id
required

string <uuid>
Example: f1ae11f2-1390-47c1-b05e-8377180c2b27
MAC registration id

poolId
required

string <uuid>
Example: f1ae11f2-1390-47c1-b05e-8377180c2b27
Registration pool id

REQUEST BODY SCHEMA: application/json
required

id

string <uuid>

| | |
|------------------------|--|
| | The unique identifier for this MAC registration. |
| expirationDate | string <date-time> Indicates when this registration expires. Will derive from the pool setting if not specified. |
| revoked required | boolean If this MAC registration is revoked or not. |
| macAddress required | string non-empty <code>^([0-9A-F]{2:}){5}([0-9A-F]{2})\$</code> The mac address for this registration. Must be provided on post, and may not be changed. |
| username | string [0 .. 255] characters A username for this device, it does not reflect an authenticated user that has gone through a real authentication process. |
| email | string [0 .. 255] characters <code>^(?:[\w!#\$%&'*/+=?`{}~^]+(?:\.[\w!#\$%&'*/+=... Show pattern</code> The email to associate with this device. |
| location | string [0 .. 255] characters The location of this device. |
| deviceName | string [0 .. 255] characters Device name |
| createdDate | string <date-time> The created date of this device. |
| isReferenced | boolean This registration is referenced by an identity and cannot be deleted. |
| _links > | object (Links) |

Responses

> 200

MAC registration updated

> 202

The registration update request is in progress

> 400

Invalid id or content supplied

> 404

MAC registration not found

Request samples

Payload

Content type
application/json

Copy Expand all Collapse all

```
{
  "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
  "expirationDate": "2019-08-24T14:15:22Z",
  "revoked": true,
  "macAddress": "string",
  "username": "string",
  "email": "dev@commscope.com",
  "location": "string",
  "deviceName": "string",
  "createdDate": "2019-08-24T14:15:22Z",
  "isReferenced": true,
  "_links": {
    + "property1": { ... },
    + "property2": { ... }
  }
}
```

Response samples

200

202

400

404

Content type
application/json

Copy Expand all Collapse all

```
{
  "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
  "expirationDate": "2019-08-24T14:15:22Z",
  "revoked": true,
  "macAddress": "string",
  "username": "string",
  "email": "dev@commscope.com",
  "location": "string",
  "deviceName": "string",
  "createdDate": "2019-08-24T14:15:22Z",
  "isReferenced": true,
  "_links": {
    + "property1": { ... },
    + "property2": { ... }
  }
}
```

Registration Pool

Operations for managing registration pools. Registration pools are containers that hold MAC address registrations and define access policies for devices.

Create a Registration Pool Deprecated

Create a Registration Pool

This method will be removed no sooner than 08/31/2026 and application/json is currently tied to application/vnd.ruckus.v1+json which will be moved to application/vnd.ruckus.v1.1+json on 08/31/2026.

REQUEST BODY SCHEMA: application/json

required

| | |
|-------------------|--|
| id | string <uuid> The unique identifier for this pool. |
| name required | string [0 .. 255] characters The unique reference name of the pool. |
| description | string [0 .. 255] characters A description of the pool. |
| autoCleanup | boolean Default: true A toggle determining whether MAC registrations that are 24 hours past the expiration time will be automatically removed from the pool. |
| expirationType | string Enum: "SPECIFIED_DATE" "MINUTES_AFTER_TIME" "HOURS_AFTER_TIME" "DAYS_AFTER_TIME" "WEEKS_AFTER_TIME" "MONTHS_AFTER_TIME" "QUARTERS_AFTER_TIME" "YEARS_AFTER_TIME" "END_OF_HOUR" "END_OF_DAY" "END_OF_WEEK" "END_OF_MONTH" "END_OF_QUARTER" "END_OF_HALF" "END_OF_YEAR" Defines the rule for expiration date calculation. |
| expirationOffset | integer <int32> If the expiration type is not specified_date then this field is the offset amount. |
| expirationDate | string <date-time> If the expiration type is specified_date then this field is the related date. |
| ssidRegex | string [0 .. 255] characters A regex to determine which SSIDs this registration pool will allows access to. |
| expirationEnabled | boolean Default: false If the expiration setting is enabled for new MAC registration. |
| registrationCount | integer <int32> Number of registrations in the pool. |
| defaultAccess | string Default: "ACCEPT" Enum: "ACCEPT" "REJECT" The type of default access. |
| createdDate | string <date-time> The created date of this pool. |
| policySetId | string The policy set of this pool. |
| isReferenced | boolean This pool is referenced by an identity group and cannot be deleted. |
| networkCount | integer <int32> Number of networks associated with this pool. |
| identityGroupId | string |

| | |
|------------|--|
| | The identity group of this pool. |
| identityId | string The single identity policy of this pool. |
| _links > | object (Links) |

Responses

> 201

Registration pool created

> 202

The registration pool create request is in progress

> 400

Invalid pool content

> 419

Exceed max pools per tenant

POST /macRegistrationPools

Request samples

Payload

Content type

application/json

Copy Expand all Collapse all

```
{
  "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
  "name": "string",
  "description": "string",
  "autoCleanup": true,
  "expirationType": "SPECIFIED_DATE",
  "expirationOffset": 0,
  "expirationDate": "2019-08-24T14:15:22Z",
  "ssidRegex": "string",
  "expirationEnabled": false,
  "registrationCount": 0,
  "defaultAccess": "ACCEPT",
  "createdDate": "2019-08-24T14:15:22Z",
  "policySetId": "string",
  "isReferenced": true,
  "networkCount": 0,
  "identityGroupId": "string",
  "identityId": "string",
  "_links": {
    + "property1": { ... },
    + "property2": { ... }
  }
}
```

Response samples

201

202

400

419

Content type

application/json

Copy Expand all Collapse all

```
{
  "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
  "name": "string",
  "description": "string",
  "autoCleanup": true,
  "expirationType": "SPECIFIED_DATE",
  "expirationOffset": 0,
  "expirationDate": "2019-08-24T14:15:22Z",
  "ssidRegex": "string",
  "expirationEnabled": false,
  "registrationCount": 0,
  "defaultAccess": "ACCEPT",
  "createdDate": "2019-08-24T14:15:22Z",
  "policySetId": "string",
  "isReferenced": true,
  "networkCount": 0,
  "identityGroupId": "string",
  "identityId": "string",
  "_links": {
    + "property1": { ... },
    + "property2": { ... }
  }
}
```

Delete the Specific Registration Pool Deprecated

This method will be removed no sooner than 08/31/2026 and application/json is currently tied to application/vnd.ruckus.v1+json which will be moved to application/vnd.ruckus.v1.1+json on 08/31/2026.

PATH PARAMETERS

| | |
|----------|---|
| → id | string <uuid> |
| required | Example: f1ae11f2-1390-47c1-b05e-8377180c2b27 |
| | Registration pool id |

Responses

> 200

Registration pool deleted

> 202

The registration pool delete request is in progress

> 400

Invalid id supplied

> 404

Registration pool not found

> 409

The Registration pool associated with other resources is not allowed to be deleted

DELETE /macRegistrationPools/{id}

Response samples

200

202

400

404

409

Content type

application/json

Copy

null

Update a Registration Pool Deprecated

This method will be removed no sooner than 08/31/2026 and application/json is currently tied to application/vnd.ruckus.v1+json which will be moved to application/vnd.ruckus.v1.1+json on 08/31/2026.

PATH PARAMETERS

id
required
string <uuid>
Example: f1ae11f2-1390-47c1-b05e-8377180c2b27
Registration pool id

REQUEST BODY SCHEMA: application/json
required

id
string <uuid>
The unique identifier for this pool.

name
required
string [0..255] characters
The unique reference name of the pool.

description
string [0..255] characters
A description of the pool.

autoCleanup
boolean
Default: true
A toggle determining whether MAC registrations that are 24 hours past the expiration time will be automatically removed from the pool.

expirationType
string
Enum: "SPECIFIED_DATE" "MINUTES_AFTER_TIME" "HOURS_AFTER_TIME" "DAYS_AFTER_TIME" "WEEKS_AFTER_TIME" "MONTHS_AFTER_TIME" "QUARTERS_AFTER_TIME" "YEARS_AFTER_TIME" "END_OF_HOUR" "END_OF_DAY" "END_OF_WEEK" "END_OF_MONTH" "END_OF_QUARTER" "END_OF_HALF" "END_OF_YEAR"

| | |
|-------------------|--|
| | Defines the rule for expiration date calculation. |
| expirationOffset | integer <int32> If the expiration type is not specified_date then this field is the offset amount. |
| expirationDate | string <date-time> If the expiration type is specified_date then this field is the related date. |
| ssidRegex | string [0 .. 255] characters A regex to determine which SSIDs this registration pool will allows access to. |
| expirationEnabled | boolean Default: false If the expiration setting is enabled for new MAC registration. |
| registrationCount | integer <int32> Number of registrations in the pool. |
| defaultAccess | string Default: "ACCEPT" Enum: "ACCEPT" "REJECT" The type of default access. |
| createdDate | string <date-time> The created date of this pool. |
| policySetId | string The policy set of this pool. |
| isReferenced | boolean This pool is referenced by an identity group and cannot be deleted. |
| networkCount | integer <int32> Number of networks associated with this pool. |
| identityGroupId | string The identity group of this pool. |
| identityId | string The single identity policy of this pool. |
| _links > | object (Links) |

Responses

> 200

Registration pool updated

> 202

The registration pool update request is in progress

> 400

Invalid id supplied

> 404

Registration pool not found

PATCH /macRegistrationPools/{id}

Request samples

Payload

Content type

application/json

Copy Expand all Collapse all

```
{
  "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
  "name": "string",
  "description": "string",
  "autoCleanup": true,
  "expirationType": "SPECIFIED_DATE",
  "expirationOffset": 0,
  "expirationDate": "2019-08-24T14:15:22Z",
  "ssidRegex": "string",
  "expirationEnabled": false,
  "registrationCount": 0,
  "defaultAccess": "ACCEPT",
  "createdDate": "2019-08-24T14:15:22Z",
  "policySetId": "string",
  "isReferenced": true,
  "networkCount": 0,
  "identityGroupId": "string",
  "identityId": "string",
  "_links": {
    + "property1": { ... },
    + "property2": { ... }
  }
}
```

Response samples

200

202

400

404

Content type

application/json

Copy Expand all Collapse all

```
{
  "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
  "name": "string",
  "description": "string",
  "autoCleanup": true,
  "expirationType": "SPECIFIED_DATE",
  "expirationOffset": 0,
  "expirationDate": "2019-08-24T14:15:22Z",
  "ssidRegex": "string",
  "expirationEnabled": false,
  "registrationCount": 0,
```

```
"defaultAccess": "ACCEPT",
"createdDate": "2019-08-24T14:15:22Z",
"policySetId": "string",
"isReferenced": true,
"networkCount": 0,
"identityGroupId": "string",
"identityId": "string",
- "_links": {
+   "property1": { ... },
+   "property2": { ... }
}
}
```