

# 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

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```
[  
- {  
  "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

revoked	boolean	Indicates when this registration expires. Will derive from the pool setting if not specified.
<b>macAddress</b> <small>required</small>	string <small>non-empty</small> <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 <code>[ 0 .. 255 ] characters</code>	A username for this device, it does not reflect an authenticated user that has gone through a real authentication process.
email	string <code>[ 0 .. 255 ] characters</code> <small>^(?:[\\w!#\$%&amp;'^+=?{}~^]+(?:\\.[\\w!#\$%&amp;'^+=?{}~]+)* \".+?\")\$</small> Show pattern	The email to associate with this device.
location	string <code>[ 0 .. 255 ] characters</code>	The location of this device.
deviceName	string <code>[ 0 .. 255 ] characters</code>	Device name
createdDate	string <code>&lt;date-time&gt;</code>	The created date of this device.
isReferenced	boolean	This registration is referenced by an identity and cannot be deleted.
_links >	object (Links)	

## Responses

> 201

Registration created

> 202

The registration create request is in progress

> 400

Invalid content supplied

> 419

Exceed max registrations of the pool

POST /macRegistrationPools/{poolId}/registrations

## Request samples

## Payload

### Content type

application/json

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```
{  
  "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

Registration pool id

## 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 <b>required</b>	boolean If this MAC registration is revoked or not.
– macAddress <b>required</b>	string <b>non-empty</b> <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 <b>[0 .. 255] characters</b> A username for this device, it does not reflect an authenticated user that has gone through a real authentication process.
– email	string <b>[0 .. 255] characters</b> <code>^(?:[\w!#\$%&amp;'*/=^`{}`~^`]+(?:\.\[\w!#\$%&amp;'*/=^`{}`~^`]+)* [\w!#\$%&amp;'*/=^`{}`~^`]+)`\$</code> <a href="#">Show pattern</a> The email to associate with this device.
– location	string <b>[0 .. 255] characters</b> The location of this device.
– deviceName	string <b>[0 .. 255] characters</b> 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

PATCH

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



## Request samples

Payload

Content type  
application/json

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```
{  
  "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

## PUT /api/v1/registration-pools/{id}

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 <b>required</b>	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 allow 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-53cbbbb6f08",  
  "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** required string <uuid>  
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 allow access to.
– expirationEnabled	boolean Default: <code>false</code> If the expiration setting is enabled for new MAC registration.
– registrationCount	integer <int32> Number of registrations in the pool.
– defaultAccess	string Default: <code>"ACCEPT"</code> Enum: <code>"ACCEPT"</code> <code>"REJECT"</code> 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

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```
{  
  "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": { ... }
}
}
```