# Unenroll Devices API

The Unenroll Devices API initiates an unenroll request on a list of eligible devices.

## /device-unenrollment/unenroll

The /v2/device-unenrollment/unenroll RESTful resource accepts a list of devices, validates whether each one is eligible for being unenrolled from Absolute, and if it is, initiates the unenrollment.

An unenroll request is initiated only on eligible devices when a device meets all of the following criteria:

- The device belongs to your account.
- The device does not currently have a status of inactive or disabled.
- The device is not currently listed as stolen.

When you unenroll a retired device, that license becomes available for another device.

For more information about using Absolute APIs, see *Working with Absolute APIs*.

### Request method and URI

```
POST /v2/device-unenrollment/unenroll
```

### Request header

The following table describes the available headers.

| Header | Description |
|---|---|
| Content-Type | The media type of the resource. Required. |
| X-Abs-Date | The automatically generated header that indicates the time the request was made. This time is encoded in a special header. <br><br> Date and time (in UTC) and are formatted as *⟨YYYY⟩⟨MM⟩⟨DD⟩*T*⟨HH⟩⟨MM⟩⟨SS⟩*Z. |
| Host | To where the request is sent. |
| Authorization | The HTTP authorization header. <br><br> *⟨algorithm⟩* Credential=*⟨token id⟩/CredentialScope*, SignedHeaders=*⟨SignedHeaders⟩*,Signature=*⟨signature⟩* |

**Example**

```
POST https://api.absolute.com/v2/device-unenrollment/unenroll
Content-Type: application/json
X-Abs-Date: 20170803T075010Z
Host: api.absolute.com
Authorization: ABS1-HMAC-SHA-256 Credential=cc2423f2-cc28-48a6-
9dcea268d5e3cd01/20170803/cadc/abs1,SignedHeaders=host;content-type;xabs-
date,Signature=e15b64a4f91a0e53c2f91a6f52756a74bc21e6f175795cbf85bc15e8ef32aab5
```

### Request body

**Example**

```
[
  {
      "deviceUid": "c311f911-ce01-42e1-8075-e45dd1dfcb16"
  },
  {
      "deviceUid": "c431f911-ce01-42e1-8075-e45dd1dfcb16"
```

```
    },
    {
        "deviceUid": "c3114911-ce01-42e1-8075-e45dd1dfcb16"
    }
]
```

## Response

The following table describes the available fields for each device in the response.

| Field | Description |
|---|---|
| deviceUid | The unique GUID identifier of the device. |
| systemName | The name assigned to the device. |
| username | The unique user name of the user who was logged into the device at the time of the agent call.<br><br>This name is detected by the agent. If the agent finds no user to be logged in, then the value is the last detected **username**. |
| eligibleStatus | The eligibility status of the device. Available values are:<br><br>• **0**: eligible<br>• **1**: inactive or disabled<br>• **2**: stolen |
| serial | The identification number that is assigned to the device by the device manufacturer. |
| esn | The unique Electronic Serial Number (ESN) that is assigned to the agent installed on the device. |

**Example**

```
[
  {
        "deviceUid": "c311f911-ce01-42e1-8075-e45dd1dfcb16",
        "systemName": "bob's device",
        "username": "bob@absolute.com",
        "eligibleStatus": 0,
        "serial": "CNF83051BN",
        "esn": "2BU2PJD28VAA1UYL0008"
  },
  {
        "deviceUid": "c312f911-ce01-42e1-8075-e45dd1dfcb16",
        "systemName": "...",
        "username": "...",
        "eligibleStatus": 1,
        "serial": "...",
        "esn": "..."
  },
  {
        "deviceUid": "c313f911-ce01-42e1-8075-e45dd1dfcb16",
        "systemName": "...",
        "username": "...",
        "eligibleStatus": 2,
        "serial": "...",
        "esn": "..."
  }
]
```

# Errors

The following table lists the possible status codes and messages that may be returned when using this API.

| Status code | Message | Action |
|---|---|---|
| 400 Bad Request | Your request is formatted incorrectly. | Check your input and try again. |
| 401 Unauthorized | Signatures from the request and generated signature do not match. | Verify that the authorization request and authenticated headers are correct. |
| 401 Unauthorized | Elapsed time frame is not within the timeframe. | Verify the time. |
| 500 Internal Server Error | An internal server error occurred. | If the error persists, contact Absolute Technical Support: www.absolute.com/en/support. |