Unenroll Devices API

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Unenroll Devices API — Document revision: 9.0-0

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> NOTE Depending on the permissions associated with your API token and the Absolute product licenses associated with your account, the Unenroll Devices API may not be available.

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

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

Authentication

The Unenroll Device API endpoint requires the following authentication headers in each request:

Authentication header parameters

Header	Notes	Description
Host	required	The domain name of the server where the request is sent Example: **Host: api.absolute.com**
Content-Type	required	The media type of the resource Example: **Content-Type: application/json**
X-Abs-Date	required	The automatically generated header that indicates the time (in UTC) the request was made encoded in a special header Format: **<YYYY><MM><DD>**T**<hh><mm><ss>**Z Example: **X-Abs-Date: 20210924T202742Z**
Authorization	required	The HTTP authorization header Format: **<algorithm>** Credential=**<token id>**/**<CredentialScope>**, SignedHeaders=**<SignedHeaders>**, Signature=**<signature>** Example: **Authorization: ABS1-HMAC-SHA-256 Credential=8b2d6fe7-0819-49b7-b29b-f565189d5e95/20210924/cadc/abs1, SignedHeaders=host;content-type;x-abs-date, Signature=f84db5f4b00d1c8beca909fdaca6356546ea6fce8b82874132df13c920d4a2c5**

Example Authentication header parameters

```
1   Host: api.absolute.com
2   Content-Type: application/json
3   X-Abs-Date: 20210924T202742Z
4   Authorization: ABS1-HMAC-SHA-256 Credential=8b2d6fe7-0819-49b7-b29b-
    f565189de95/20210924/cadc/abs, SignedHeaders=host;content-type;x-abs-date,
    Signature=f84db5f4b00d1c8beca909fdaca6356546ea6fce8b82874132df13c920d4a2c5
```

See Working with Absolute APIs for more information.

POST v2/device-unenrollment/unenroll

The POST /v2/device-unenrollment/unenroll endpoint 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.

> NOTE If there are outstanding security actions pending on a device, such as a Freeze request, the Unenroll Device request overrides the actions.

When you unenroll a device:

- the license becomes available for another device

- The Secure Endpoint Agent and its components are removed from the device on the agent's net connection to the Absolute Monitoring Center.

Request

Request header

The request header consists of the resource URL and the header parameters.

Header parameters

The Authentication header parameters are required.

Example POST v2/device-unenrollment/unenroll request header

```
1  POST https://api.absolute.com/v2/device-unenrollment/unenroll
2  Host: api.absolute.com
3  Content-Type: application/json
4  X-Abs-Date: 20220808T202910Z
5  Authorization: ABS1-HMAC-SHA-256 Credential=1a79b64c-ac8e-478b-9799-
   d5be9d4ae82d/20220808/cadc/abs1, SignedHeaders=host;content-type;x-abs-date,
   Signature=e8c4c825e1ea7e222c8208b0ecde457ba588f775b590bf3e67c5b234edbaa4fb
```

Request body

The request body accepts JSON-formatted data. The request body contains a list of devices to be unenrolled.

POST v2/device-unenrollment/unenroll body parameters

Parameter	Notes	Data type	Description
deviceUid	required	array {object}	The system-defined unique identifier of the device Example: **56be8d1f-2eb8-4e9b-bbd6-1aab032abcde**

Example POST /v2/device-unenrollment/unenroll request body

```
 1  [
 2    {
 3      "deviceUid": "56be8d1f-2eb8-4e9b-bbd6-1aab032abcde"
 4    },
 5    {
 6      "deviceUid": "56be8d1f-2eb8-4e9b-bbd6-2bbc032bcdef"
 7    },
 8    {
 9      "deviceUid": "56be8d1f-2eb8-4e9b-bbd6-3ccd032cdefa"
10    }
11  ]
```

Response

A successful request returns an HTTP status code of 200 (OK) and the response body.

Response header

```
Example POST v2/device-unenrollment/unenroll response header
1   HTTP/1.1 200 OK
2   Content-Type: application/json;charset=UTF-8
```

Response body

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

POST v2/device-unenrollment/unenroll response body parameters

Field	Description
deviceUid	The system-defined unique identifier of the device Example: **56be8d1f-2eb8-4e9b-bbd6-1aab032abcde**
systemName	The name assigned to the device Example: **LPTP_Bob**
username	The unique user name of the user who was logged into the device at the time of the agent call If there was no user logged in during the last agent call, the last detected username is used Example: **tjordan@abccompany.com**
eligibleStatus	The eligibility status of the device Possible values: • **0**: The device is eligible to be unenrolled • **1**: The device inactive or disabled and cannot be unenrolled • **2**: The device is stolen and cannot be unenrolled
serial	The identification number that is assigned to the device by the device manufacturer Example: **CNF83051BN**
esn	The system-defined unique identifier (Absolute Identifier) that is assigned to the Secure Endpoint Agent installed on the device Example: **2BU2PJD28VAA1UYL0008**

```
Example POST /v2/device-unenrollment/unenroll response body

 1   [
 2     {
 3       "deviceUid": "56be8d1f-2eb8-4e9b-bbd6-1aab032abcde",
 4       "systemName": "LPTP_TJordan",
 5       "username": "tjordan@abccompany.com",
 6       "eligibleStatus": 0,
 7       "serial": "CNF83051BN",
 8       "esn": "2BU2PJD28VAA1UYL0008"
 9     },
10     {
```

Example POST /v2/device-unenrollment/unenroll response body

```
11        "deviceUid": "56be8d1f-2eb8-4e9b-bbd6-2bbc032bcdef",
12        "systemName": "LPTP_BSmith",
13        "username": "bsmith@abccompany.com",
14        "eligibleStatus": 1,
15        "serial": "Q2F83051234",
16        "esn": "2BU2PJD28VAA1UYL0012"
17      },
18      {
19        "deviceUid": "56be8d1f-2eb8-4e9b-bbd6-3ccd032cdefa",
20        "systemName": "DKTP_TJordan",
21        "username": "tjordan@abccompany.com",
22        "eligibleStatus": 2,
23        "serial": "ABCD987TRE43283051BN",
24        "esn": "2BU2PJD28VAA1UYL0016"
25      }
26  ]
```

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).