

Software Update Service v2.0

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Resource: image

Information about the update image

```
http://{device}/api/npm.system_update/2.0/images/items/{id}
```

JSON

```
{
  "checksum": string,
  "id": integer,
  "progress": number,
  "state": string,
  "state_description": string,
  "version": string
}
```

Property Name	Type	Description	Notes
<i>image</i>	<object>	Information about the update image	Required properties: [state, state_description];
<i>image.checksum</i>	<string>	The SHA-256 checksum of the update image	Optional;
<i>image.id</i>	<integer>	A unique identifier for the image	Read-only; Optional;
<i>image.progress</i>	<number>	The progress of the current upload/fetch operation	Optional;
<i>image.state</i>	<string>	The state of the update image	Values: UPLOADING, VALIDATING, UPLOAD_ERROR, VALID, INVALID;
<i>image.state_description</i>	<string>	A more detailed description of the state	
<i>image.version</i>	<string>	The version of the update image	Optional;

Links

image: delete

```
DELETE http://{device}/api/npm.system_update/2.0/images/items/{id}
```

Response Body

On success, the server does not provide any body in the responses.

image: get

```
GET http://{device}/api/npm.system_update/2.0/images/items/{id}
```

Response Body

Returns an [image](#) data object.

Resource: images

List of update images

```
http://{device}/api/npm.system_update/2.0/images
```

JSON

```
{
  "items": [ image ]
}
```

Property Name	Type	Description	Notes
<i>images</i>	<object>	List of update images	
<i>images.items</i>	<array of <image>>	An array containing the available update images	Optional;
<i>images.items[items]</i>	<image>	Information about the update image	

Links

images: fetch

Fetch a new update image at the provided url

```
POST http://{device}/api/npm.system_update/2.0/images/fetch
```

Request Body

Provide a request body with the following structure:

JSON

```
{
  "url": string
}
```

Property Name	Type	Description	Notes
<i>images.links.fetch.request</i>	<i><object></i>	Fetch parameters	Required properties: [url];
<i>images.links.fetch.request.url</i>	<i><string></i>	The url where to fetch the update image from	

Response Body

Returns an [image](#) data object.

images: get

```
GET http://{device}/api/npm.system_update/2.0/images
```

Response Body

Returns an [images](#) data object.

images: upload

Uploads a new update image. The accepted content-type is application/octet-stream.

```
POST http://{device}/api/npm.system_update/2.0/images/upload
```

Request Body

Provide a request body with the following structure:

JSON

```
{
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>images.links.upload.request</i>	<i><object></i>	The update image binary	
<i>images.links.upload.request.<prop></i>	<i><any></i>		Optional;

Response Body

Returns an [image](#) data object.

Resource: update

The overall status of the update

```
http://{device}/api/npm.system_update/2.0/update
```

JSON

```

{
  "last_state_time": integer,
  "state": string,
  "state_description": string,
  "target_version": string,
  "update_history": [
    {
      "time": integer,
      "version": string
    }
  ]
}

```

Property Name	Type	Description	Notes
<code>update</code>	<code><object></code>	The overall status of the update	Required properties: [state, state_description, last_state_time, update_history];
<code>update.last_state_time</code>	<code><integer></code>	The time of the last state transition, in Unix epoch seconds	
<code>update.state</code>	<code><string></code>	The state of the update	Values: IDLE, INITIALIZING, INITIALIZED, RUNNING, FAILED_GRACEFUL, FAILED_CRITICAL;
<code>update.state_description</code>	<code><string></code>	A more detailed description of the state	
<code>update.target_version</code>	<code><string></code>	The version the system will be updated to	Optional;
<code>update.update_history</code>	<code><array of <object>></code>	A list of past updates. The first element of the list is an installation	
<code>update.update_history[items]</code>	<code><object></code>	Information about a previous update	
<code>update.update_history[items].time</code>	<code><integer></code>	The time of the update, in Unix epoch seconds	Optional;
<code>update.update_history[items].version</code>	<code><string></code>	The version that was installed	Optional;

Links

update: get

```
GET http://{device}/api/npm.system_update/2.0/update
```

Response Body

Returns an `update` data object.

update: init

Initialize the update process. Must be called before the update can be started.

```
POST http://{device}/api/npm.system_update/2.0/update/init
```

Request Body

Do not provide a request body.

Response Body

On success, the server does not provide any body in the responses.

update: reset

Uninitialize the update process

```
POST http://{device}/api/npm.system_update/2.0/update/reset
```

Request Body

Do not provide a request body.

Response Body

On success, the server does not provide any body in the responses.

update: start

Start the update process

POST http://{device}/api/npm.system_update/2.0/update/start

Request Body

Do not provide a request body.

Response Body

On success, the server does not provide any body in the responses.