

SCC Upgrades service definition v1.0

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Resource: images

All available Riverbed software images

```
http://{device}/api/cmc.upgrades/1.0/images{?product_code}
```

JSON

```
[ image ]
```

Property Name	Type	Description	Notes
<i>images</i>	<array of < <i>image</i> >>	All available Riverbed software images	
<i>images</i> [items]	< <i>image</i> >	A Riverbed software image	

Links

images: get

```
GET http://{device}/api/cmc.upgrades/1.0/images{?product_code}
```

Response Body

Returns an [images](#) data object.

Resource: image

A Riverbed software image

```
http://{device}/api/cmc.upgrades/1.0/images/{id}
```

JSON

```
{  
  "id": string,  
  "image_definition": image_definition,  
  "image_sources": [ image_source ],  
  <prop>: any  
}
```

Property Name	Type	Description	Notes
<i>image</i>	< <i>object</i> >	A Riverbed software image	Required properties: [id, image_definition, image_sources];
<i>image.id</i>	< <i>string</i> >	A unique identifier for the image	Read-only;
<i>image.image_definition</i>	< <i>image_definition</i> >	Properties that uniquely identify a Riverbed software image	
<i>image.image_sources</i>	<array of < <i>image_source</i> >>		
<i>image.image_sources</i> [items]	< <i>image_source</i> >	The source of the image. A repository can have multiple sources but particular source cannot be in more than one repository	Values: local, customer_url, riverbed;
<i>image.<prop></i>	< <i>any</i> >		Optional;

Links

image: get

```
GET http://{device}/api/cmc.upgrades/1.0/images/{id}
```

Response Body

Returns an [image](#) data object.

Resource: image repositories

An unmodifiable collection of all supported repositories

```
http://{device}/api/cmc.upgrades/1.0/image_repositories
```

JSON

```
[ image_repository ]
```

Property Name	Type	Description	Notes
<i>image_repositories</i>	<array of < <i>image_repository</i> >>	An unmodifiable collection of all supported repositories	
<i>image_repositories</i> [items]	< <i>image_repository</i> >	An image repository provides a set of distinct images. The distinct meaning each has a different image definition	Values: customer, riverbed;

Links

image_repositories: get

```
GET http://{device}/api/cmc.upgrades/1.0/image_repositories
```

Response Body

Returns an [image_repository](#) data object.

Resource: locally_hosted_images

Riverbed software images hosted locally on the SCC

```
http://{device}/api/cmc.upgrades/1.0/image_repositories/customer/local_images
```

JSON

```
[ locally_hosted_image ]
```

Property Name	Type	Description	Notes
<i>locally_hosted_images</i>	<array of < <i>locally_hosted_image</i> >>	Riverbed software images hosted locally on the SCC	
<i>locally_hosted_images</i> [items]	< <i>locally_hosted_image</i> >	A Riverbed software image hosted locally on the SCC	

Links

locally_hosted_images: get

```
GET http://{device}/api/cmc.upgrades/1.0/image_repositories/customer/local_images
```

Response Body

Returns a [locally_hosted_images](#) data object.

locally_hosted_images: upload

Upload an image using a URL

```
POST http://{device}/api/cmc.upgrades/1.0/image_repositories/customer/local_images
```

Request Body

Provide a request body with the following structure:

JSON

```
{
  "url": string,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>locally_hosted_images.links.upload.request</i>	<object>		
<i>locally_hosted_images.links.upload.request.url</i>	<string>	Can be a file URL in case the Web service has uploaded a file onto the SCC	Optional;
<i>locally_hosted_images.links.upload.request.<prop></i>	<any>		Optional;

Response Body

Returns a [locally_hosted_image](#) data object.

Resource: locally_hosted_image

A Riverbed software image hosted locally on the SCC

```
http://{device}/api/cmcc.upgrades/1.0/image_repositories/customer/local_image/{id}
```

JSON

```
{
  "id": string,
  "image_definition": image_definition,
  "modification_time": timestamp,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>locally_hosted_image</i>	<object>	A Riverbed software image hosted locally on the SCC	Required properties: [id, image_definition, modification_time];
<i>locally_hosted_image.id</i>	<string>	A unique identifier	Read-only;
<i>locally_hosted_image.image_definition</i>	<image_definition>	Properties that uniquely identify a Riverbed software image	
<i>locally_hosted_image.modification_time</i>	<timestamp>	The timestamp of the build	
<i>locally_hosted_image.<prop></i>	<any>		Optional;

Links

locally_hosted_image: get

```
GET http://{device}/api/cmcc.upgrades/1.0/image_repositories/customer/local_image/{id}
```

Response Body

Returns a [locally_hosted_image](#) data object.

locally_hosted_image: delete

```
DELETE http://{device}/api/cmcc.upgrades/1.0/image_repositories/customer/local_image/{id}
```

Response Body

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

Resource: customer_url_hosted_images

Riverbed software images hosted on a remote URL

```
http://{device}/api/cmcc.upgrades/1.0/image_repositories/customer/urls
```

JSON

```
[ customer_url_hosted_image ]
```

Property Name	Type	Description	Notes
<i>customer_url_hosted_images</i>	<i><array of customer_url_hosted_image></i>	Riverbed software images hosted on a remote URL	
<i>customer_url_hosted_images</i> [items]	<i><customer_url_hosted_image></i>	A Riverbed software image hosted on a remote URL	

Links

customer_url_hosted_images: get

```
GET http://{device}/api/cmcc.upgrades/1.0/image_repositories/customer/urls
```

Response Body

Returns a [customer_url_hosted_images](#) data object.

customer_url_hosted_images: register

Register a new URL

```
POST http://{device}/api/cmcc.upgrades/1.0/image_repositories/customer/urls
```

Request Body

Provide a request body with the following structure:

JSON

```
{  
  "url": string,  
  <prop>: any  
}
```

Property Name	Type	Description	Notes
<i>customer_url_hosted_images.links.register.request</i>	<i><object></i>		
<i>customer_url_hosted_images.links.register.request.url</i>	<i><string></i>		Optional;
<i>customer_url_hosted_images.links.register.request.<prop></i>	<i><any></i>		Optional;

Response Body

Returns a [customer_url_hosted_image](#) data object.

Resource: customer_url_hosted_image

A Riverbed software image hosted on a remote URL

```
http://{device}/api/cmcc.upgrades/1.0/image_repositories/customer/url/{id}
```

JSON

```
{  
  "id": string,  
  "image_definition": image_definition,  
  "url": string,  
  "registration_time": number,  
  <prop>: any  
}
```

Property Name	Type	Description	Notes
<i>customer_url_hosted_image</i>	<i><object></i>	A Riverbed software image hosted on a remote URL	Required properties: [id, image_definition, url, registration_time];
<i>customer_url_hosted_image.id</i>	<i><string></i>	A unique identifier	

<i>customer_url_hosted_image</i> . image_definition	<i><image_definition></i>	Properties that uniquely identify a Riverbed software image	
<i>customer_url_hosted_image</i> .url	<i><string></i>		
<i>registration_time</i>	<i><number></i>	The time that the URL was registered	
<i>customer_url_hosted_image</i> .<prop>	<i><any></i>		Optional;

Links

customer_url_hosted_image: get

GET http://{{device}}/api/cmcc.upgrades/1.0/image_repositories/customer/url/{id}

Response Body

Returns a [customer_url_hosted_image](#) data object.

customer_url_hosted_image: delete

DELETE http://{{device}}/api/cmcc.upgrades/1.0/image_repositories/customer/url/{id}

Response Body

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

Resource: riverbed_hosted_images

Riverbed software images hosted by Riverbed Support

http://{{device}}/api/cmcc.upgrades/1.0/image_repositories/riverbed/images

JSON

[[riverbed_hosted_image](#)]

Property Name	Type	Description	Notes
<i>riverbed_hosted_images</i>	<i><array of <riverbed_hosted_image>></i>	Riverbed software images hosted by Riverbed Support	
<i>riverbed_hosted_images</i> [items]	<i><riverbed_hosted_image></i>	A Riverbed software image hosted by Riverbed Support	

Links

riverbed_hosted_images: get

GET http://{{device}}/api/cmcc.upgrades/1.0/image_repositories/riverbed/images

Response Body

Returns a [riverbed_hosted_images](#) data object.

Resource: riverbed_hosted_image

A Riverbed software image hosted by Riverbed Support

http://{{device}}/api/cmcc.upgrades/1.0/image_repositories/riverbed/image/{id}

JSON

```

{
  "id": string,
  "image_definition": image_definition,
  "url": string,
  "source_versions": [ version ],
  <prop>: any
}

```

Property Name	Type	Description	Notes
<i>riverbed_hosted_image</i>	<object>	A Riverbed software image hosted by Riverbed Support	Required properties: [image_definition, url, source_versions];
<i>riverbed_hosted_image.id</i>	<string>	A unique identifier	Optional;
<i>riverbed_hosted_image.image_definition</i>	<image_definition>	Properties that uniquely identify a Riverbed software image	
<i>riverbed_hosted_image.url</i>	<string>		
<i>riverbed_hosted_image.source_versions</i>	<array of <version>>	Source versions that Riverbed supports for upgrading	
<i>riverbed_hosted_image.source_versions [items]</i>	<version>	The version of a software image	
<i>riverbed_hosted_image.<prop></i>	<any>		Optional;

Links

riverbed_hosted_image: get

GET http://{{device}}/api/cmc.upgrades/1.0/image_repositories/riverbed/image/{id}

Response Body

Returns a [riverbed_hosted_image](#) data object.

Resource: connected_product_codes

A collection of unique product codes currently connected to the SCC

http://{{device}}/api/cmc.upgrades/1.0/connected_product_codes

JSON

```
[ product_code ]
```

Property Name	Type	Description	Notes
<i>connected_product_codes</i>	<array of <product_code>>	A collection of unique product codes currently connected to the SCC	
<i>connected_product_codes[items]</i>	<product_code>	The product code of the appliance	Values: SH, EX, IC, SMC, WW, GC;

Links

connected_product_codes: get

The list of unique product codes that the SCC is currently managing

GET http://{{device}}/api/cmc.upgrades/1.0/connected_product_codes

Response Body

Returns a [connected_product_codes](#) data object.

Resource: appliances

A collection of appliances managed by the SCC

http://{{device}}/api/cmc.upgrades/1.0/appliances/{product_code}

JSON

```
[ appliance ]
```

Property Name	Type	Description	Notes
<i>appliances</i>	<i><array of <appliance>></i>	A collection of appliances managed by the SCC	
<i>appliances[items]</i>	<i><appliance></i>	Information about an appliance	

Links

appliances: get

Appliances managed by the SCC optionally filtered by `product_code` and/or group membership

```
GET http://{device}/api/cmcc.upgrades/1.0/appliances/{product_code}
```

Response Body

Returns an [appliances](#) data object.

Resource: appliance

Information about an appliance

```
http://{device}/api/cmcc.upgrades/1.0/appliances/{product_code}/{serial}
```

JSON

```
{
  "product_code": product\_code,
  "arch": arch,
  "serial": serial,
  "model": string,
  "hostname": string,
  "ip_address": string,
  "current_version": {
    "version_id": string,
    "version_number": string,
    "build_number": string,
    "build_timestamp": number,
    <prop>: any
  },
  "connected": boolean,
  "time_zone": string,
  "entitled": boolean,
  "read_only": boolean,
  "groups": [
    string
  ],
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>appliance</i>	<i><object></i>	Information about an appliance	Required properties: [product_code, serial, connected];
<i>appliance.product_code</i>	<i><product_code></i>	The product code of the appliance	Values: SH, EX, IC, SMC, WW, GC;
<i>appliance.arch</i>	<i><arch></i>	The architecture of the appliance	Values: x86_64, i386;
<i>appliance.serial</i>	<i><serial></i>	The serial number of the appliance	Pattern: '^[A-Za-z][0-9A-Fa-f]{2}[A-Za-z]{0,2}[0-9A-Fa-f]{8}\$';
<i>appliance.model</i>	<i><string></i>	The model of the appliance	Optional;
<i>appliance.hostname</i>	<i><string></i>	The hostname of the appliance	Optional;
<i>appliance.ip_address</i>	<i><string></i>	The IP address of the appliance	Optional;
<i>current_version</i>	<i><object></i>	The RiOS version currently running on the appliance	Required properties: [version_id];
<i>current_version.version_id</i>	<i><string></i>	A unique identifier for a version of a product. Is an amalgam of all the information in the following fields	
<i>current_version.version_number</i>	<i><string></i>	The released version name. A dotted decimal with optional trailing characters to identify fix releases and customer specific releases	Optional;

<code>current_version.build_number</code>	<code><string></code>	The build number. Distinguishes prerelease versions. For any given general availability version_number there is a specific build number	Optional;
<code>build_timestamp</code>	<code><number></code>	The date and time of the build	
<code>current_version.<prop></code>	<code><any></code>		Optional;
<code>appliance.connected</code>	<code><boolean></code>	Appliance is connected or disconnected	
<code>appliance.time_zone</code>	<code><string></code>	Appliance time zone in the Olson database format	Optional;
<code>appliance.entitled</code>	<code><boolean></code>	Appliance is entitled or not	Optional;
<code>appliance.read_only</code>	<code><boolean></code>	Whether the user is able to upgrade, downgrade, or reboot	Optional;
<code>appliance.groups</code>	<code><array of <string>></code>	An array of groups the appliance belongs to	Optional;
<code>appliance.groups[items]</code>	<code><string></code>		
<code>appliance.<prop></code>	<code><any></code>		Optional;

Links

appliance: get

Get the current state of an appliance

GET `http://{{device}}/api/cmcc.upgrades/1.0/appliances/{{product_code}}/{{serial}}`

Response Body

Returns an [appliance](#) data object.

Relations

appliance: instances

Related resource

[appliances](#)

Resource: upgradeable_appliances

Appliances that can be upgraded to a specified version

`http://{{device}}/api/cmcc.upgrades/1.0/upgradeable_appliances/{{product_code}}/{{version_id}}`

JSON

```
{
  "upgradeable": [ appliance ],
  "exceptions": {
    "unentitled": [ appliance ],
    "model_eol": [ appliance ],
    "read_only": [ appliance ],
    "disconnected": [ appliance ],
    "not_supported": [ appliance ],
    "no_i386_image": [ appliance ],
    "no_x86_64_image": [ appliance ],
    "operation_in_progress": [ appliance ],
    "same_or_newer_version": [ appliance ],
    <prop>: any
  },
  <prop>: any
}
```

Property Name	Type	Description	Notes
<code>upgradeable_appliances</code>	<code><object></code>	Appliances that can be upgraded to a specified version	
<code>upgradeable_appliances.upgradeable</code>	<code><array of <appliance>></code>		Optional;
<code>upgradeable_appliances.upgradeable[items]</code>	<code><appliance></code>	Information about an appliance	

<code>upgradeable_appliances.exceptions</code>	<code><object></code>	A list of appliances which cannot be upgraded categorized by reason	Optional;
<code>upgradeable_appliances.exceptions.unentitled</code>	<code><array of <appliance>></code>		Optional;
<code>upgradeable_appliances.exceptions.unentitled[items]</code>	<code><appliance></code>	Information about an appliance	
<code>upgradeable_appliances.exceptions.model_eol</code>	<code><array of <appliance>></code>		Optional;
<code>upgradeable_appliances.exceptions.model_eol[items]</code>	<code><appliance></code>	Information about an appliance	
<code>upgradeable_appliances.exceptions.read_only</code>	<code><array of <appliance>></code>		Optional;
<code>upgradeable_appliances.exceptions.read_only[items]</code>	<code><appliance></code>	Information about an appliance	
<code>upgradeable_appliances.exceptions.disconnected</code>	<code><array of <appliance>></code>		Optional;
<code>upgradeable_appliances.exceptions.disconnected[items]</code>	<code><appliance></code>	Information about an appliance	
<code>upgradeable_appliances.exceptions.no_i386_image</code>	<code><array of <appliance>></code>		Optional;
<code>upgradeable_appliances.exceptions.no_i386_image[items]</code>	<code><appliance></code>	Information about an appliance	
<code>upgradeable_appliances.exceptions.no_x86_64_image</code>	<code><array of <appliance>></code>		Optional;
<code>upgradeable_appliances.exceptions.no_x86_64_image[items]</code>	<code><appliance></code>	Information about an appliance	
<code>upgradeable_appliances.exceptions.operation_in_progress</code>	<code><array of <appliance>></code>		Optional;
<code>upgradeable_appliances.exceptions.operation_in_progress[items]</code>	<code><appliance></code>	Information about an appliance	
<code>upgradeable_appliances.exceptions.same_or_newer_version</code>	<code><array of <appliance>></code>		Optional;
<code>upgradeable_appliances.exceptions.same_or_newer_version[items]</code>	<code><appliance></code>	Information about an appliance	
<code>upgradeable_appliances.exceptions.<prop></code>	<code><any></code>		Optional;
<code>upgradeable_appliances.exceptions.not_supported</code>	<code><array of <appliance>></code>		
<code>upgradeable_appliances.exceptions.not_supported[items]</code>	<code><appliance></code>	Information about an appliance	
<code>upgradeable_appliances.<prop></code>	<code><any></code>		Optional;

Links

upgradeable_appliances: get

Appliances managed by the SCC that can be upgraded to the target version

```
GET http://{device}/api/cmc.upgrades/1.0/upgradeable_appliances/{product_code}/{version_id}
```

Response Body

Returns an [upgradeable_appliances](#) data object.

Resource: downgradeable_appliances

Appliances that can be downgraded to a specified version. In the case of downgrades the version needs to have been previously upgraded. The images also have to be in the customer repository.

```
http://{device}/api/cmc.upgrades/1.0/downgradeable_appliances/{product_code}/{version_id}
```

JSON

```

{
  "downgradeable": [ appliance ],
  "exceptions": {
    "read_only": [ appliance ],
    "disconnected": [ appliance ],
    "not_supported": [ appliance ],
    "not_previously_upgraded_to": [ appliance ],
    "no_i386_image": [ appliance ],
    "no_x86_64_image": [ appliance ],
    "operation_in_progress": [ appliance ],
    "same_or_older_version": [ appliance ],
    <prop>: any
  },
  <prop>: any
}

```

Property Name	Type	Description	Notes
<i>downgradeable_appliances</i>	<object>	Appliances that can be downgraded to a specified version. In the case of downgrades the version needs to have been previously upgraded. The images also have to be in the customer repository.	
<i>downgradeable_appliances.downgradeable</i>	<array of <appliance>>		Optional;
<i>downgradeable_appliances.downgradeable</i> [items]	<appliance>	Information about an appliance	
<i>downgradeable_appliances.exceptions</i>	<object>	A list of appliances that cannot be downgraded or categorized by reason	Optional;
<i>downgradeable_appliances.exceptions.read_only</i>	<array of <appliance>>		Optional;
<i>downgradeable_appliances.exceptions.read_only</i> [items]	<appliance>	Information about an appliance	
<i>downgradeable_appliances.exceptions.disconnected</i>	<array of <appliance>>		Optional;
<i>downgradeable_appliances.exceptions.disconnected</i> [items]	<appliance>	Information about an appliance	
<i>downgradeable_appliances.exceptions.no_i386_image</i>	<array of <appliance>>		Optional;
<i>downgradeable_appliances.exceptions.no_i386_image</i> [items]	<appliance>	Information about an appliance	
<i>downgradeable_appliances.exceptions.no_x86_64_image</i>	<array of <appliance>>		Optional;
<i>downgradeable_appliances.exceptions.no_x86_64_image</i> [items]	<appliance>	Information about an appliance	
<i>downgradeable_appliances.exceptions.operation_in_progress</i>	<array of <appliance>>		Optional;
<i>downgradeable_appliances.exceptions.operation_in_progress</i> [items]	<appliance>	Information about an appliance	
<i>downgradeable_appliances.exceptions.same_or_older_version</i>	<array of <appliance>>		Optional;
<i>downgradeable_appliances.exceptions.same_or_older_version</i> [items]	<appliance>	Information about an appliance	
<i>downgradeable_appliances.exceptions.<prop></i>	<any>		Optional;
<i>downgradeable_appliances.exceptions.not_supported</i>	<array of <appliance>>		
<i>downgradeable_appliances.exceptions.not_supported</i> [items]	<appliance>	Information about an appliance	
<i>downgradeable_appliances.exceptions.not_previously_upgraded_to</i>	<array of <appliance>>		
<i>downgradeable_appliances.exceptions.not_previously_upgraded_to</i> [items]	<appliance>	Information about an appliance	
<i>downgradeable_appliances.<prop></i>	<any>		Optional;

Links

downgradeable_appliances: get

Appliances managed by the SCC that can be downgraded to the target version

```
GET http://{device}/api/cmcc.upgrades/1.0/downgradeable_appliances/{product_code}/{version_id}
```

Response Body

Returns a [downgradeable_appliances](#) data object.

Resource: rebootable_appliances

Appliances that can be rebooted and a list of appliances that cannot

`http://{device}/api/cmcc.upgrades/1.0/rebootable_appliances/{product_code}`

JSON

```
{
  "rebootable": [ appliance ],
  "exceptions": {
    "read_only": [ appliance ],
    "disconnected": [ appliance ],
    "not_supported": [ appliance ],
    "operation_in_progress": [ appliance ],
    "<prop>": any
  },
  "<prop>": any
}
```

Property Name	Type	Description	Notes
<code>rebootable_appliances</code>	<code><object></code>	Appliances that can be rebooted and a list of appliances that cannot	
<code>rebootable_appliances.rebootable</code>	<code><array of <appliance>></code>		Optional;
<code>rebootable_appliances.rebootable[items]</code>	<code><appliance></code>	Information about an appliance	
<code>rebootable_appliances.exceptions</code>	<code><object></code>	A list of appliances that cannot be rebooted or categorized by reason	Optional;
<code>rebootable_appliances.exceptions.read_only</code>	<code><array of <appliance>></code>		Optional;
<code>rebootable_appliances.exceptions.read_only[items]</code>	<code><appliance></code>	Information about an appliance	
<code>rebootable_appliances.exceptions.disconnected</code>	<code><array of <appliance>></code>		Optional;
<code>rebootable_appliances.exceptions.disconnected[items]</code>	<code><appliance></code>	Information about an appliance	
<code>rebootable_appliances.exceptions.operation_in_progress</code>	<code><array of <appliance>></code>		Optional;
<code>rebootable_appliances.exceptions.operation_in_progress[items]</code>	<code><appliance></code>	Information about an appliance	
<code>rebootable_appliances.exceptions.<prop></code>	<code><any></code>		Optional;
<code>rebootable_appliances.exceptions.not_supported</code>	<code><array of <appliance>></code>		
<code>rebootable_appliances.exceptions.not_supported[items]</code>	<code><appliance></code>	Information about an appliance	
<code>rebootable_appliances.<prop></code>	<code><any></code>		Optional;

Links

rebootable_appliances: get

Appliances managed by the SCC that can be rebooted

GET `http://{device}/api/cmcc.upgrades/1.0/rebootable_appliances/{product_code}`

Response Body

Returns a [rebootable_appliances](#) data object.

Resource: upgradeable_versions

A list of upgradeable versions for a specified product code

`http://{device}/api/cmcc.upgrades/1.0/versions/upgradeable/{product_code}`

JSON

```
[
  {
    "product_code": product_code,
    "version": version,
    <prop>: any
  }
]
```

Property Name	Type	Description	Notes
<i>upgradeable_versions</i>	<array of <object>>	A list of upgradeable versions for a specified product code	
<i>upgradeable_versions</i> [items]	<object>		
<i>upgradeable_versions</i> [items].product_code	<product_code>	The product code of the appliance	Values: SH, EX, IC, SMC, WW, GC;
<i>upgradeable_versions</i> [items].version	<version>	The version of a software image	
<i>upgradeable_versions</i> [items].<prop>	<any>		Optional;

Links

upgradeable_versions: get

GET http://{{device}}/api/cmcc.upgrades/1.0/versions/upgradeable/{{product_code}}

Response Body

Returns an [upgradeable_versions](#) data object.

Resource: downgradeable_versions

A list of downgradeable versions for a specified product code

http://{{device}}/api/cmcc.upgrades/1.0/versions/downgradeable/{{product_code}}

JSON

```
[
  {
    "product_code": product_code,
    "version": version,
    <prop>: any
  }
]
```

Property Name	Type	Description	Notes
<i>downgradeable_versions</i>	<array of <object>>	A list of downgradeable versions for a specified product code	
<i>downgradeable_versions</i> [items]	<object>		
<i>downgradeable_versions</i> [items].product_code	<product_code>	The product code of the appliance	Values: SH, EX, IC, SMC, WW, GC;
<i>downgradeable_versions</i> [items].version	<version>	The version of a software image	
<i>downgradeable_versions</i> [items].<prop>	<any>		Optional;

Links

downgradeable_versions: get

GET http://{{device}}/api/cmcc.upgrades/1.0/versions/downgradeable/{{product_code}}

Response Body

Returns a [downgradeable_versions](#) data object.

Resource: upgrade_operations

Upgrade operations

http://{device}/api/cmcc.upgrades/1.0/operations/upgrade/{?username,time_lower_bound,time_upper_bound,status}

JSON

[[upgrade_operation](#)]

Property Name	Type	Description	Notes
<i>upgrade_operations</i>	<array of <upgrade_operation>>	Upgrade operations	
<i>upgrade_operations</i> [items]	<upgrade_operation>	Details about an upgrade operation	

Links

upgrade_operations: get

GET http://{device}/api/cmcc.upgrades/1.0/operations/upgrade/{?username,time_lower_bound,time_upper_bound,status}

Response Body

Returns an [upgrade_operations](#) data object.

upgrade_operations: create

POST http://{device}/api/cmcc.upgrades/1.0/operations/upgrade/{?username,time_lower_bound,time_upper_bound,status}

Request Body

Provide an [upgrade_operation](#) data object.

Response Body

Returns an [upgrade_operation](#) data object.

Resource: upgrade_operation

Details about an upgrade operation

http://{device}/api/cmcc.upgrades/1.0/operations/upgrade/{id}

JSON

```

{
  "id": string,
  "username": string,
  "create_time": string,
  "status": string,
  "product_code": product_code,
  "upgrade_time": {
    "datetime": timestamp,
    "time_type": string,
    <prop>: any
  },
  "target_version": {
    "version_id": string,
    "version_number": string,
    "build_number": string,
    "build_timestamp": number,
    <prop>: any
  },
  "reboot": boolean,
  "reboot_time": {
    "datetime": timestamp,
    "time_type": string,
    <prop>: any
  },
  "esxi_force": boolean,
  "comment": string,
  "reboot_id": number,
  "appliances": [
    string
  ],
  <prop>: any
}

```

Property Name	Type	Description	Notes
<i>upgrade_operation</i>	<object>	Details about an upgrade operation	Required properties: [username, product_code, target_version, reboot, comment, appliances];
<i>upgrade_operation.id</i>	<string>	A unique identifier for a operation	Read-only; Optional;
<i>username</i>	<string>	The name of the user that scheduled the operation or task	Read-only;
<i>upgrade_operation.create_time</i>	<string>	The time when the upgrade operation was created	Read-only; Optional;
<i>status</i>	<string>	The current state of the operation. Partially successful means that some of the operation's appliance tasks were successful but others were not	Read-only; Values: scheduled, running, successful, partially_successful, failed, cancelled;
<i>upgrade_operation.product_code</i>	<product_code>	The product code of the appliance	Values: SH, EX, IC, SMC, WW, GC;
<i>upgrade_time</i>	<object>	If specified, delay the operation until this date and time. The system stores this value as the UTC value of the upgrade time, regardless of the schedule type (local or UTC).	Required properties: [datetime, time_type];
<i>upgrade_time.datetime</i>	<timestamp>	The timestamp of the build	
<i>upgrade_time.time_type</i>	<string>	Whether this represents an absolute time or the local time of the managed appliance	Values: utc, local;
<i>upgrade_time.<prop></i>	<any>		Optional;
<i>target_version</i>	<object>	The software version to upgrade to	Required properties: [version_id];
<i>target_version.version_id</i>	<string>	A unique identifier for a version of a product. Is an amalgam of all the information in the following fields	
<i>target_version.version_number</i>	<string>	The released version name. A dotted decimal with optional trailing characters to identify fix releases and customer specific releases	Optional;
<i>target_version.build_number</i>	<string>	The build number. Distinguishes prerelease versions. For any given general availability version_number there is a specific build number	Optional;
<i>build_timestamp</i>	<number>	The date and time of the build	
<i>target_version.<prop></i>	<any>		Optional;
<i>upgrade_operation.reboot</i>	<boolean>	Whether to perform a reboot after upgrading	
<i>reboot_time</i>	<object>	If specified, delay the operation until this date and time. The system stores this value as the UTC value of the upgrade time, regardless of the schedule type (local or UTC).	Required properties: [datetime, time_type];
<i>reboot_time.datetime</i>	<timestamp>	The timestamp of the build	
<i>reboot_time.time_type</i>	<string>	Whether this represents an absolute time or the local time of the managed appliance	Values: utc, local;
<i>reboot_time.<prop></i>	<any>		Optional;

<code>upgrade_operation.esxi_force</code>	<code><boolean></code>	Allow the upgrade to proceed even if it will result in replacing the currently installed version of ESXi or its configuration.	Optional;
<code>upgrade_operation.comment</code>	<code><string></code>	User comment for an operation	
<code>upgrade_operation.reboot_id</code>	<code><number></code>	Specifies the ID of the associated reboot operation if a reboot is requested after upgrade	Optional;
<code>upgrade_operation.appliances</code>	<code><array of <items>></code>	Appliances to upgrade	
<code>items</code>	<code><string></code>	The serial number of the appliance	Pattern: <code>'^[A-Za-z][0-9A-Fa-f]{2}[A-Za-z]{0,2}[0-9A-Fa-f]{8}\$'</code> ;
<code>upgrade_operation.<prop></code>	<code><any></code>		Optional;

Links

upgrade_operation: get

GET `http://{device}/api/cmc.upgrades/1.0/operations/upgrade/{id}`

Response Body

Returns an [upgrade_operation](#) data object.

upgrade_operation: cancel

POST `http://{device}/api/cmc.upgrades/1.0/operations/upgrade/{id}/cancel`

Request Body

Do not provide a request body.

Response Body

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

Relations

upgrade_operation: upgrade_operation_log

Related resource

[upgrade_operation_log](#)

Variables

Related var	Data value for replacement
<code>operation_id</code>	<code>0/id</code>

Resource: upgrade_operation_log

Log messages associated with the operation

`http://{device}/api/cmc.upgrades/1.0/operations/upgrade/{operation_id}/log`

JSON

```
{
  "operation_id": string,
  "log": log,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<code>upgrade_operation_log</code>	<code><object></code>	Log messages associated with the operation	
<code>upgrade_operation_log.operation_id</code>	<code><string></code>	A unique identifier for the operation that the log belongs to	Optional;
<code>upgrade_operation_log.log</code>	<code><log></code>	A series of timestamped log entries	

<code>upgrade_operation_log.<prop></code>	<code><any></code>	Optional;
---	--------------------------	-----------

Links

upgrade_operation_log: get

GET `http://{device}/api/cmc.upgrades/1.0/operations/upgrade/{operation_id}/log`

Response Body

Returns an [upgrade_operation_log](#) data object.

Resource: downgrade_operations

Downgrade operations

GET `http://{device}/api/cmc.upgrades/1.0/operations/downgrade{?username,time_lower_bound,time_upper_bound,status}`

JSON

[[downgrade_operation](#)]

Property Name	Type	Description	Notes
<code>downgrade_operations</code>	<code><array of <downgrade_operation>></code>	Downgrade operations	
<code>downgrade_operations[items]</code>	<code><downgrade_operation></code>	Details about an downgrade operation	

Links

downgrade_operations: get

GET `http://{device}/api/cmc.upgrades/1.0/operations/downgrade{?username,time_lower_bound,time_upper_bound,status}`

Response Body

Returns a [downgrade_operations](#) data object.

downgrade_operations: create

POST `http://{device}/api/cmc.upgrades/1.0/operations/downgrade{?username,time_lower_bound,time_upper_bound,status}`

Request Body

Provide a [downgrade_operation](#) data object.

Response Body

Returns a [downgrade_operation](#) data object.

Resource: downgrade_operation

Details about an downgrade operation

GET `http://{device}/api/cmc.upgrades/1.0/operations/downgrade/{id}`

JSON

```

{
  "id": string,
  "username": string,
  "create_time": string,
  "status": string,
  "product_code": product_code,
  "downgrade_time": {
    "datetime": timestamp,
    "time_type": string,
    <prop>: any
  },
  "target_version": {
    "version_id": string,
    "version_number": string,
    "build_number": string,
    "build_timestamp": number,
    <prop>: any
  },
  "reboot": boolean,
  "reboot_time": {
    "datetime": timestamp,
    "time_type": string,
    <prop>: any
  },
  "esxi_force": boolean,
  "comment": string,
  "appliances": [
    string
  ],
  <prop>: any
}

```

Property Name	Type	Description	Notes
<i>downgrade_operation</i>	<object>	Details about an downgrade operation	Required properties: [username, product_code, target_version, reboot, comment, appliances];
<i>downgrade_operation.id</i>	<string>	A unique identifier for an operation	Read-only; Optional;
<i>username</i>	<string>	The name of the user that scheduled the operation or task	Read-only;
<i>downgrade_operation.create_time</i>	<string>	The time when the downgrade operation was created	Read-only; Optional;
<i>status</i>	<string>	The current state of the operation. Partially successful means that some of the operation's appliance tasks were successful but others were not	Read-only; Values: scheduled, running, successful, partially_successful, failed, cancelled;
<i>downgrade_operation.product_code</i>	< <u>product_code</u> >	The product code of the appliance	Values: SH, EX, IC, SMC, WW, GC;
<i>downgrade_time</i>	<object>	If specified, delay the operation until this date and time. The system stores this value as the UTC value of the upgrade time, regardless of the schedule type (local or UTC).	Required properties: [datetime, time_type];
<i>downgrade_time.datetime</i>	< <u>timestamp</u> >	The timestamp of the build	
<i>downgrade_time.time_type</i>	<string>	Whether this represents an absolute time or the local time of the managed appliance	Values: utc, local;
<i>downgrade_time.<prop></i>	<any>		Optional;
<i>target_version</i>	<object>	The software version to downgrade to	Required properties: [version_id];
<i>target_version.version_id</i>	<string>	A unique identifier for a version of a product. Is an amalgam of all the information in the following fields	
<i>target_version.version_number</i>	<string>	The released version name. A dotted decimal with optional trailing characters to identify fix releases and customer specific releases	Optional;
<i>target_version.build_number</i>	<string>	The build number. Distinguishes prerelease versions. For any given general availability version_number there is a specific build number	Optional;
<i>build_timestamp</i>	<number>	The date and time of the build	
<i>target_version.<prop></i>	<any>		Optional;
<i>downgrade_operation.reboot</i>	<boolean>	Whether to perform a reboot after downgrading	
<i>reboot_time</i>	<object>	If specified, delay the operation until this date and time. The system stores this value as the UTC value of the upgrade time, regardless of the schedule type (local or UTC).	Required properties: [datetime, time_type];
<i>reboot_time.datetime</i>	< <u>timestamp</u> >	The timestamp of the build	
<i>reboot_time.time_type</i>	<string>	Whether this represents an absolute time or the local time of the managed appliance	Values: utc, local;
<i>reboot_time.<prop></i>	<any>		Optional;

<code>downgrade_operation.esxi_force</code>	<code><boolean></code>	Allow the downgrade to proceed even if it will result in replacing the currently installed version of ESXi or its configuration.	Optional;
<code>downgrade_operation.comment</code>	<code><string></code>	User comment for an operation	
<code>downgrade_operation.appliances</code>	<code><array of <items>></code>	Appliances to downgrade	
<code>items</code>	<code><string></code>	The serial number of the appliance	Pattern: '^[A-Za-z][0-9A-Fa-f]{2}[A-Za-z]{0,2}[0-9A-Fa-f]{8}\$';
<code>downgrade_operation.<prop></code>	<code><any></code>		Optional;

Links

downgrade_operation: get

```
GET http://{device}/api/cmc.upgrades/1.0/operations/downgrade/{id}
```

Response Body

Returns a [downgrade_operation](#) data object.

downgrade_operation: cancel

```
POST http://{device}/api/cmc.upgrades/1.0/operations/downgrade/{id}/cancel
```

Request Body

Do not provide a request body.

Response Body

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

Relations

downgrade_operation: downgrade_operation_log

Related resource

[downgrade_operation_log](#)

Variables

Related var	Data value for replacement
<code>operation_id</code>	<code>0/id</code>

Resource: downgrade_operation_log

Log messages associated with the operation

```
http://{device}/api/cmc.upgrades/1.0/operations/downgrade/{operation_id}/log
```

JSON

```
{
  "operation_id": string,
  "log": log,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<code>downgrade_operation_log</code>	<code><object></code>	Log messages associated with the operation	
<code>downgrade_operation_log.operation_id</code>	<code><string></code>	A unique identifier for the operation that the log belongs to	Optional;
<code>downgrade_operation_log.log</code>	<code><log></code>	A series of timestamped log entries	
<code>downgrade_operation_log.<prop></code>	<code><any></code>		Optional;

Links

downgrade_operation_log: get

```
GET http://{device}/api/cmcc.upgrades/1.0/operations/downgrade/{operation_id}/log
```

Response Body

Returns a [downgrade_operation_log](#) data object.

Resource: reboot_operations

Reboot operations

```
http://{device}/api/cmcc.upgrades/1.0/operations/reboot{?username,time_lower_bound,time_upper_bound,status}
```

JSON

```
[ reboot\_operation ]
```

Property Name	Type	Description	Notes
<i>reboot_operations</i>	<i><array of <reboot_operation>></i>	Reboot operations	
<i>reboot_operations[items]</i>	<i><reboot_operation></i>	Details about a reboot operation	

Links

reboot_operations: get

```
GET http://{device}/api/cmcc.upgrades/1.0/operations/reboot{?username,time_lower_bound,time_upper_bound,status}
```

Response Body

Returns a [reboot_operations](#) data object.

reboot_operations: create

```
POST http://{device}/api/cmcc.upgrades/1.0/operations/reboot{?username,time_lower_bound,time_upper_bound,status}
```

Request Body

Provide a [reboot_operation](#) data object.

Response Body

Returns a [reboot_operation](#) data object.

Resource: reboot_operation

Details about a reboot operation

```
http://{device}/api/cmcc.upgrades/1.0/operations/reboot/{id}
```

JSON

```

{
  "id": string,
  "username": string,
  "create_time": string,
  "status": string,
  "switch_partition": boolean,
  "reboot_time": {
    "datetime": timestamp,
    "time_type": string,
    <prop>: any
  },
  "comment": string,
  "upgrade_id": string,
  "downgrade_id": string,
  "appliances": [
    string
  ],
  <prop>: any
}

```

Property Name	Type	Description	Notes
<i>reboot_operation</i>	<object>	Details about a reboot operation	Required properties: [username, comment, appliances];
<i>reboot_operation.id</i>	<string>	A unique identifier for an operation	Read-only; Optional;
<i>username</i>	<string>	The name of the user that scheduled the operation or task	Read-only;
<i>reboot_operation.create_time</i>	<string>	The time when the reboot operation was created	Read-only; Optional;
<i>status</i>	<string>	The current state of the operation. Partially successful means that some of the operation's appliance tasks were successful but others were not	Read-only; Values: scheduled, running, successful, partially_successful, failed, cancelled;
<i>reboot_operation.switch_partition</i>	<boolean>	Specifies whether to switch to the other partition. Treated as false if not specified.	Optional;
<i>reboot_time</i>	<object>	If specified, delay the operation until this date and time. The system stores this value as the UTC value of the upgrade time, regardless of the schedule type (local or UTC).	Required properties: [datetime, time_type];
<i>reboot_time.datetime</i>	<timestamp>	The timestamp of the build	
<i>reboot_time.time_type</i>	<string>	Whether this represents an absolute time or the local time of the managed appliance	Values: utc, local;
<i>reboot_time.<prop></i>	<any>		Optional;
<i>reboot_operation.comment</i>	<string>	User comment for an operation	
<i>reboot_operation.upgrade_id</i>	<string>	The upgrade operation that triggered this reboot operation.	Optional;
<i>reboot_operation.downgrade_id</i>	<string>	The downgrade operation that triggered this reboot operation.	Optional;
<i>reboot_operation.appliances</i>	<array of <items>>		
<i>items</i>	<string>	The serial number of the appliance	Pattern: '^[A-Za-z][0-9A-Fa-f]{2}[A-Za-z]{0,2}[0-9A-Fa-f]{8}\$';
<i>reboot_operation.<prop></i>	<any>		Optional;

Links

reboot_operation: get

GET http://{device}/api/cmcc.upgrades/1.0/operations/reboot/{id}

Response Body

Returns a [reboot_operation](#) data object.

reboot_operation: cancel

POST http://{device}/api/cmcc.upgrades/1.0/operations/reboot/{id}/cancel

Request Body

Do not provide a request body.

Response Body

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

Relations

reboot_operation: reboot_operation_log

Related resource

[reboot_operation_log](#)

Variables

Related var	Data value for replacement
operation_id	0/id

Resource: reboot_operation_log

Log messages associated with the operation

http://{device}/api/cmc.upgrades/1.0/operations/reboot/{operation_id}/log

JSON

```
{
  "operation_id": string,
  "log": log,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>reboot_operation_log</i>	<i><object></i>	Log messages associated with the operation	
<i>reboot_operation_log.operation_id</i>	<i><string></i>	A unique identifier for the operation that the log belongs to	Optional;
<i>reboot_operation_log.log</i>	<i><log></i>	A series of timestamped log entries	
<i>reboot_operation_log.<prop></i>	<i><any></i>		Optional;

Links

reboot_operation_log: get

GET http://{device}/api/cmc.upgrades/1.0/operations/reboot/{operation_id}/log

Response Body

Returns a [reboot_operation_log](#) data object.

Resource: appliance_upgrade_task

Details about the upgrade of a specific appliance in an operation

http://{device}/api/cmc.upgrades/1.0/operations/upgrade/{operation_id}/appliances/{serial}

JSON

```

{
  "operation_id": string,
  "serial": serial,
  "upgrade_time": {
    "datetime": timestamp,
    "time_type": string,
    <prop>: any
  },
  "task_start_time": {
    "datetime": timestamp,
    "time_type": string,
    <prop>: any
  },
  "target_version": {
    "version_id": string,
    "version_number": string,
    "build_number": string,
    "build_timestamp": number,
    <prop>: any
  },
  "reboot": boolean,
  "reboot_time": {
    "datetime": timestamp,
    "time_type": string,
    <prop>: any
  },
  "esxi_force": boolean,
  "current_version": {
    "version_id": string,
    "version_number": string,
    "build_number": string,
    "build_timestamp": number,
    <prop>: any
  },
  "hostname": string,
  <prop>: any
}

```

Property Name	Type	Description	Notes
<i>appliance_upgrade_task</i>	<object>	Details about the upgrade of a specific appliance in an operation	Required properties: [operation_id, target_version, reboot, current_version];
<i>appliance_upgrade_task.operation_id</i>	<string>	A unique identifier for the operation that the appliance task belongs to	
<i>appliance_upgrade_task.serial</i>	<serial>	The serial number of the appliance	Pattern: '^[A-Za-z][0-9A-Fa-f]{2}[A-Za-z]{0,2}[0-9A-Fa-f]{8}\$';
<i>upgrade_time</i>	<object>	If specified, delay the operation until this date and time, adjusted for the local time of the device being upgraded, if scheduling in local time.	Required properties: [datetime, time_type];
<i>upgrade_time.datetime</i>	<timestamp>	The timestamp of the build	
<i>upgrade_time.time_type</i>	<string>	Whether this represents an absolute time or the local time of the managed appliance	Values: utc, local;
<i>upgrade_time.<prop></i>	<any>		Optional;
<i>task_start_time</i>	<object>	The time when the task was actually run	Required properties: [datetime, time_type];
<i>task_start_time.datetime</i>	<timestamp>	The timestamp of the build	
<i>task_start_time.time_type</i>	<string>	Whether this represents an absolute time or the local time of the managed appliance	Values: utc, local;
<i>task_start_time.<prop></i>	<any>		Optional;
<i>target_version</i>	<object>	The software version to upgrade to	Required properties: [version_id];
<i>target_version.version_id</i>	<string>	A unique identifier for a version of a product. Is an amalgam of all the information in the following fields	
<i>target_version.version_number</i>	<string>	The released version name. A dotted decimal with optional trailing characters to identify fix releases and customer specific releases	Optional;
<i>target_version.build_number</i>	<string>	The build number. Distinguishes prerelease versions. For any given general availability version_number there is a specific build number	Optional;
<i>build_timestamp</i>	<number>	The date and time of the build	
<i>target_version.<prop></i>	<any>		Optional;
<i>appliance_upgrade_task.reboot</i>	<boolean>	Whether to perform a reboot after upgrading	
<i>reboot_time</i>	<object>	If specified, delay the operation until this date and time, adjusted for the local time of the device being upgraded, if scheduling in local time.	Required properties: [datetime, time_type];
<i>reboot_time.datetime</i>	<timestamp>	The timestamp of the build	

<code>reboot_time.time_type</code>	<code><string></code>	Whether this represents an absolute time or the local time of the managed appliance	Values: utc, local;
<code>reboot_time.<prop></code>	<code><any></code>		Optional;
<code>appliance_upgrade_task.esxi_force</code>	<code><boolean></code>		Optional;
<code>current_version</code>	<code><object></code>	The software version on this appliance at the time the operation was scheduled	Required properties: [version_id];
<code>current_version.version_id</code>	<code><string></code>	A unique identifier for a version of a product. Is an amalgam of all the information in the following fields	
<code>current_version.version_number</code>	<code><string></code>	The released version name. A dotted decimal with optional trailing characters to identify fix releases and customer specific releases	Optional;
<code>current_version.build_number</code>	<code><string></code>	The build number. Distinguishes prerelease versions. For any given general availability version_number there is a specific build number	Optional;
<code>build_timestamp</code>	<code><number></code>	The date and time of the build	
<code>current_version.<prop></code>	<code><any></code>		Optional;
<code>appliance_upgrade_task.hostname</code>	<code><string></code>	Hostname of the appliance	Optional;
<code>appliance_upgrade_task.<prop></code>	<code><any></code>		Optional;

Links

appliance_upgrade_task: get

```
GET http://{device}/api/cmcc.upgrades/1.0/operations/upgrade/{operation_id}/appliances/{serial}
```

Response Body

Returns an [appliance_upgrade_task](#) data object.

appliance_upgrade_task: cancel

```
POST http://{device}/api/cmcc.upgrades/1.0/operations/upgrade/{operation_id}/appliances/{serial}/cancel
```

Request Body

Do not provide a request body.

Response Body

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

Relations

appliance_upgrade_task: operation

Related resource

[upgrade_operation](#)

Variables

Related var	Data value for replacement
id	0/operation_id

appliance_upgrade_task: appliance

Related resource

[appliance](#)

Variables

Related var	Data value for replacement
serial	0/serial

appliance_upgrade_task: appliance_upgrade_task_state

Related resource

[appliance_upgrade_task_state](#)

Variables

Related var	Data value for replacement
operation_id	0/operation_id
serial	0/serial

appliance_upgrade_task: appliance_upgrade_task_log

Related resource

[appliance_upgrade_task_log](#)

Variables

Related var	Data value for replacement
operation_id	0/operation_id
serial	0/serial

Resource: appliance_upgrade_task_state

The status of the upgrade of a single appliance of an operation

`http://{device}/api/cmcc.upgrades/1.0/operations/upgrade/{operation_id}/appliances/{serial}/state`

JSON

```
{
  "operation_id": string,
  "serial": string,
  "status": appliance\_task\_status,
  "stage": appliance\_upgrade\_task\_stage,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<code>appliance_upgrade_task_state</code>	<code><object></code>	The status of the upgrade of a single appliance of an operation	Required properties: [status, stage];
<code>appliance_upgrade_task_state.operation_id</code>	<code><string></code>	A unique identifier for the operation that the appliance task belongs to	Read-only; Optional;
<code>serial</code>	<code><string></code>	The serial number of the appliance	Read-only; Pattern: '^[A-Za-z][0-9A-Fa-f]{2}[A-Za-z]{0,2}[0-9A-Fa-f]{8}\$';
<code>appliance_upgrade_task_state.status</code>	<code><appliance_task_status></code>	The current task status of the per appliance	Values: scheduled, running, successful, failed, cancelled;
<code>appliance_upgrade_task_state.stage</code>	<code><appliance_upgrade_task_stage></code>	The current progress of the appliance upgrade task	Values: waiting, initiating, downloading, patching, installing, completed, failed, cancelled;
<code>appliance_upgrade_task_state.<prop></code>	<code><any></code>		Optional;

Links

appliance_upgrade_task_state: get

GET `http://{device}/api/cmcc.upgrades/1.0/operations/upgrade/{operation_id}/appliances/{serial}/state`

Response Body

Returns an [appliance_upgrade_task_state](#) data object.

appliance_upgrade_task_state: set

PUT `http://{device}/api/cmcc.upgrades/1.0/operations/upgrade/{operation_id}/appliances/{serial}/state`

Request Body

Provide an [appliance_upgrade_task_state](#) data object.

Response Body

Returns an [appliance_upgrade_task_state](#) data object.

Resource: appliance_upgrade_task_log

Log messages associated with the appliance task

```
http://{device}/api/cmc.upgrades/1.0/operations/upgrade/{operation_id}/appliances/{serial}/log
```

JSON

```
{
  "operation_id": string,
  "serial": string,
  "log": log,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>appliance_upgrade_task_log</i>	<object>	Log messages associated with the appliance task	
<i>appliance_upgrade_task_log.operation_id</i>	<string>	A unique identifier for the operation that the log belongs to	Read-only; Optional;
<i>serial</i>	<string>	The serial number of the appliance	Read-only; Pattern: '^([A-Za-z][0-9A-Fa-f]{2}[A-Za-z]{0,2}[0-9A-Fa-f]{8})\$';
<i>appliance_upgrade_task_log.log</i>	<log>	A series of timestamped log entries	
<i>appliance_upgrade_task_log.<prop></i>	<any>		Optional;

Links

appliance_upgrade_task_log: get

```
GET http://{device}/api/cmc.upgrades/1.0/operations/upgrade/{operation_id}/appliances/{serial}/log
```

Response Body

Returns an [appliance_upgrade_task_log](#) data object.

appliance_upgrade_task_log: append

Append a log entry to the log. Use restricted for internal services

```
POST http://{device}/api/cmc.upgrades/1.0/operations/upgrade/{operation_id}/appliances/{serial}/log
```

Request Body

Provide a [log_entry](#) data object.

Response Body

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

Resource: appliance_downgrade_task

Details about the downgrade of a specific appliance in an operation

```
http://{device}/api/cmc.upgrades/1.0/operations/downgrade/{operation_id}/appliances/{serial}
```

JSON

```

{
  "operation_id": string,
  "serial": serial,
  "downgrade_time": {
    "datetime": timestamp,
    "time_type": string,
    <prop>: any
  },
  "task_start_time": {
    "datetime": timestamp,
    "time_type": string,
    <prop>: any
  },
  "target_version": {
    "version_id": string,
    "version_number": string,
    "build_number": string,
    "build_timestamp": number,
    <prop>: any
  },
  "reboot": boolean,
  "reboot_time": {
    "datetime": timestamp,
    "time_type": string,
    <prop>: any
  },
  "esxi_force": boolean,
  "current_version": {
    "version_id": string,
    "version_number": string,
    "build_number": string,
    "build_timestamp": number,
    <prop>: any
  },
  "hostname": string,
  <prop>: any
}

```

Property Name	Type	Description	Notes
<i>appliance_downgrade_task</i>	<object>	Details about the downgrade of a specific appliance in an operation	Required properties: [operation_id, serial, target_version, reboot, current_version];
<i>appliance_downgrade_task.operation_id</i>	<string>	A unique identifier for the operation that the appliance task belongs to	
<i>appliance_downgrade_task.serial</i>	<serial>	The serial number of the appliance	Pattern: '^[A-Za-z][0-9A-Fa-f]{2}[A-Za-z]{0,2}[0-9A-Fa-f]{8}\$';
<i>downgrade_time</i>	<object>	If specified, delay the operation until this date and time, adjusted for the local time of the device being upgraded, if scheduling in local time.	Required properties: [datetime, time_type];
<i>downgrade_time.datetime</i>	<timestamp>	The timestamp of the build	
<i>downgrade_time.time_type</i>	<string>	Whether this represents an absolute time or the local time of the managed appliance	Values: utc, local;
<i>downgrade_time.<prop></i>	<any>		Optional;
<i>task_start_time</i>	<object>	The time when the task was actually run	Required properties: [datetime, time_type];
<i>task_start_time.datetime</i>	<timestamp>	The timestamp of the build	
<i>task_start_time.time_type</i>	<string>	Whether this represents an absolute time or the local time of the managed appliance	Values: utc, local;
<i>task_start_time.<prop></i>	<any>		Optional;
<i>target_version</i>	<object>	The software version to downgrade to	Required properties: [version_id];
<i>target_version.version_id</i>	<string>	A unique identifier for a version of a product. Is an amalgam of all the information in the following fields	
<i>target_version.version_number</i>	<string>	The released version name. A dotted decimal with optional trailing characters to identify fix releases and customer specific releases	Optional;
<i>target_version.build_number</i>	<string>	The build number. Distinguishes prerelease versions. For any given general availability version_number there is a specific build number	Optional;
<i>build_timestamp</i>	<number>	The date and time of the build	
<i>target_version.<prop></i>	<any>		Optional;
<i>appliance_downgrade_task.reboot</i>	<boolean>	Whether to perform a reboot after downgrading	
<i>reboot_time</i>	<object>	If specified, delay the operation until this date and time, adjusted for the local time of the device being upgraded, if scheduling in local time.	Required properties: [datetime, time_type];
<i>reboot_time.datetime</i>	<timestamp>	The timestamp of the build	

<code>reboot_time.time_type</code>	<code><string></code>	Whether this represents an absolute time or the local time of the managed appliance	Values: utc, local;
<code>reboot_time.<prop></code>	<code><any></code>		Optional;
<code>appliance_downgrade_task.esxi_force</code>	<code><boolean></code>		Optional;
<code>current_version</code>	<code><object></code>	The software version on this appliance at the time the operation was scheduled	Required properties: [version_id];
<code>current_version.version_id</code>	<code><string></code>	A unique identifier for a version of a product. Is an amalgam of all the information in the following fields	
<code>current_version.version_number</code>	<code><string></code>	The released version name. A dotted decimal with optional trailing characters to identify fix releases and customer specific releases	Optional;
<code>current_version.build_number</code>	<code><string></code>	The build number. Distinguishes prerelease versions. For any given general availability version_number there is a specific build number	Optional;
<code>build_timestamp</code>	<code><number></code>	The date and time of the build	
<code>current_version.<prop></code>	<code><any></code>		Optional;
<code>appliance_downgrade_task.hostname</code>	<code><string></code>	Hostname of the appliance	Optional;
<code>appliance_downgrade_task.<prop></code>	<code><any></code>		Optional;

Links

appliance_downgrade_task: get

GET `http://{{device}}/api/cmcc.upgrades/1.0/operations/downgrade/{operation_id}/appliances/{serial}`

Response Body

Returns an [appliance_downgrade_task](#) data object.

appliance_downgrade_task: cancel

POST `http://{{device}}/api/cmcc.upgrades/1.0/operations/downgrade/{operation_id}/appliances/{serial}/cancel`

Request Body

Do not provide a request body.

Response Body

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

Relations

appliance_downgrade_task: operation

Related resource

[downgrade_operation](#)

Variables

Related var	Data value for replacement
id	0/operation_id

appliance_downgrade_task: appliance

Related resource

[appliance](#)

Variables

Related var	Data value for replacement
serial	0/serial

appliance_downgrade_task: appliance_downgrade_task_state

Related resource

[appliance_downgrade_task_state](#)

Variables

Related var	Data value for replacement
operation_id	0/operation_id
serial	0/serial

appliance_downgrade_task: appliance_downgrade_task_log

Related resource

[appliance_downgrade_task_log](#)

Variables

Related var	Data value for replacement
operation_id	0/operation_id
serial	0/serial

Resource: appliance_downgrade_task_state

The status of the downgrade of a single appliance of an operation

`http://{device}/api/cmcc.upgrades/1.0/operations/downgrade/{operation_id}/appliances/{serial}/state`

JSON

```
{
  "operation_id": string,
  "serial": string,
  "status": appliance\_task\_status,
  "stage": appliance\_downgrade\_task\_stage,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<code>appliance_downgrade_task_state</code>	<code><object></code>	The status of the downgrade of a single appliance of an operation	Required properties: [status, stage];
<code>appliance_downgrade_task_state.operation_id</code>	<code><string></code>	A unique identifier for the operation that the appliance task belongs to	Read-only; Optional;
<code>serial</code>	<code><string></code>	The serial number of the appliance	Read-only; Pattern: '^[A-Za-z][0-9A-Fa-f]{2}[A-Za-z]{0,2}[0-9A-Fa-f]{8}\$';
<code>appliance_downgrade_task_state.status</code>	<code><appliance_task_status></code>	The current task status of the per appliance	Values: scheduled, running, successful, failed, cancelled;
<code>appliance_downgrade_task_state.stage</code>	<code><appliance_downgrade_task_stage></code>	The current progress of the per appliance downgrade task	Values: waiting, initiating, downloading, installing, completed, failed, cancelled;
<code>appliance_downgrade_task_state.<prop></code>	<code><any></code>		Optional;

Links

appliance_downgrade_task_state: get

GET `http://{device}/api/cmcc.upgrades/1.0/operations/downgrade/{operation_id}/appliances/{serial}/state`

Response Body

Returns an [appliance_downgrade_task_state](#) data object.

appliance_downgrade_task_state: set

PUT `http://{device}/api/cmcc.upgrades/1.0/operations/downgrade/{operation_id}/appliances/{serial}/state`

Request Body

Provide an [appliance_downgrade_task_state](#) data object.

Response Body

Returns an [appliance_downgrade_task_state](#) data object.

Resource: appliance_downgrade_task_log

Log messages associated with the appliance task

`http://{device}/api/cmcc.upgrades/1.0/operations/downgrade/{operation_id}/appliances/{serial}/log`

JSON

```
{
  "operation_id": string,
  "serial": string,
  "log": log,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>appliance_downgrade_task_log</i>	<i><object></i>	Log messages associated with the appliance task	
<i>appliance_downgrade_task_log.operation_id</i>	<i><string></i>	A unique identifier for the operation that the log belongs to	Read-only; Optional;
<i>serial</i>	<i><string></i>	The serial number of the appliance	Read-only; Pattern: <code>^[A-Za-z][0-9A-Fa-f]{2}[A-Za-z]{0,2}[0-9A-Fa-f]{8}\$</code> ;
<i>appliance_downgrade_task_log.log</i>	<i><log></i>	A series of timestamped log entries	
<i>appliance_downgrade_task_log.<prop></i>	<i><any></i>		Optional;

Links

appliance_downgrade_task_log: get

GET `http://{device}/api/cmcc.upgrades/1.0/operations/downgrade/{operation_id}/appliances/{serial}/log`

Response Body

Returns an [appliance_downgrade_task_log](#) data object.

appliance_downgrade_task_log: append

Append a log entry to the log. Use restricted to internal services

POST `http://{device}/api/cmcc.upgrades/1.0/operations/downgrade/{operation_id}/appliances/{serial}/log`

Request Body

Provide a [log_entry](#) data object.

Response Body

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

Resource: appliance_reboot_task

The status of the reboot of a single appliance of an operation

`http://{device}/api/cmcc.upgrades/1.0/operations/reboot/{operation_id}/appliances/{serial}`

JSON

```

{
  "operation_id": string,
  "serial": serial,
  "switch_partition": boolean,
  "reboot_time": {
    "datetime": timestamp,
    "time_type": string,
    <prop>: any
  },
  "task_start_time": {
    "datetime": timestamp,
    "time_type": string,
    <prop>: any
  },
  "deferred": boolean,
  "hostname": string,
  <prop>: any
}

```

Property Name	Type	Description	Notes
<i>appliance_reboot_task</i>	<object>	The status of the reboot of a single appliance of an operation	Required properties: [operation_id, serial];
<i>appliance_reboot_task.operation_id</i>	<string>	A unique identifier for the operation that the appliance task belongs to	
<i>appliance_reboot_task.serial</i>	<serial>	The serial number of the appliance	Pattern: '^[A-Za-z][0-9A-Fa-f]{2}[A-Za-z]{0,2}[0-9A-Fa-f]{8}\$';
<i>appliance_reboot_task.switch_partition</i>	<boolean>	Specifies whether to switch to the other partition. Treated as false if not specified.	Optional;
<i>reboot_time</i>	<object>	If specified, delay the operation until this date and time, adjusted for the local time of the device being upgraded, if scheduling in local time.	Required properties: [datetime, time_type];
<i>reboot_time.datetime</i>	<timestamp>	The timestamp of the build	
<i>reboot_time.time_type</i>	<string>	Whether this represents an absolute time or the local time of the managed appliance	Values: utc, local;
<i>reboot_time.<prop></i>	<any>		Optional;
<i>task_start_time</i>	<object>	The time when the task was actually run	Required properties: [datetime, time_type];
<i>task_start_time.datetime</i>	<timestamp>	The timestamp of the build	
<i>task_start_time.time_type</i>	<string>	Whether this represents an absolute time or the local time of the managed appliance	Values: utc, local;
<i>task_start_time.<prop></i>	<any>		Optional;
<i>appliance_reboot_task.deferred</i>	<boolean>	Specifies whether the reboot task should be enabled for execution. This would be set to false if the reboot is linked to an upgrade and the upgrade is not completed yet.	Optional;
<i>appliance_reboot_task.hostname</i>	<string>	Hostname of the appliance.	Optional;
<i>appliance_reboot_task.<prop></i>	<any>		Optional;

Links

appliance_reboot_task: get

```
GET http://{device}/api/cmc.upgrades/1.0/operations/reboot/{operation_id}/appliances/{serial}
```

Response Body

Returns an [appliance_reboot_task](#) data object.

appliance_reboot_task: cancel

```
POST http://{device}/api/cmc.upgrades/1.0/operations/reboot/{operation_id}/appliances/{serial}/cancel
```

Request Body

Do not provide a request body.

Response Body

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

Relations

appliance_reboot_task: operation

Related resource

[reboot_operation](#)

Variables

Related var	Data value for replacement
id	0/operation_id

appliance_reboot_task: appliance

Related resource

[appliance](#)

Variables

Related var	Data value for replacement
serial	0/serial

appliance_reboot_task: appliance_reboot_task_state

Related resource

[appliance_reboot_task_state](#)

Variables

Related var	Data value for replacement
operation_id	0/operation_id
serial	0/serial

appliance_reboot_task: appliance_reboot_task_log

Related resource

[appliance_reboot_task_log](#)

Variables

Related var	Data value for replacement
operation_id	0/operation_id
serial	0/serial

Resource: appliance_reboot_task_state

The status of the reboot of a single appliance of an operation

http://{device}/api/cmc.upgrades/1.0/operations/reboot/{operation_id}/appliances/{serial}/state

JSON

```
{
  "operation_id": string,
  "serial": string,
  "status": appliance\_task\_status,
  "stage": appliance\_reboot\_task\_stage,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>appliance_reboot_task_state</i>	<i><object></i>	The status of the reboot of a single appliance of an operation	Required properties: [status, stage];

<code>appliance_reboot_task_state.operation_id</code>	<code><string></code>	A unique identifier for the operation that the appliance task belongs to	Read-only; Optional;
<code>serial</code>	<code><string></code>	The serial number of the appliance	Read-only; Pattern: <code>^[A-Za-z][0-9A-Fa-f]{2}[A-Za-z]{0,2}[0-9A-Fa-f]{8}\$</code> ;
<code>appliance_reboot_task_state.status</code>	<code><appliance_task_status></code>	The current task status of the per appliance	Values: scheduled, running, successful, failed, cancelled;
<code>appliance_reboot_task_state.stage</code>	<code><appliance_reboot_task_stage></code>	The current progress of the per appliance reboot task	Values: waiting, initiating, rebooting, reboot_wait, completed, failed, cancelled;
<code>appliance_reboot_task_state.<prop></code>	<code><any></code>		Optional;

Links

appliance_reboot_task_state: get

GET `http://{device}/api/cmc.upgrades/1.0/operations/reboot/{operation_id}/appliances/{serial}/state`

Response Body

Returns an [appliance_reboot_task_state](#) data object.

appliance_reboot_task_state: set

PUT `http://{device}/api/cmc.upgrades/1.0/operations/reboot/{operation_id}/appliances/{serial}/state`

Request Body

Provide an [appliance_reboot_task_state](#) data object.

Response Body

Returns an [appliance_reboot_task_state](#) data object.

Resource: appliance_reboot_task_log

Log messages associated with the appliance task

`http://{device}/api/cmc.upgrades/1.0/operations/reboot/{operation_id}/appliances/{serial}/log`

JSON

```
{
  "operation_id": string,
  "serial": string,
  "log": log,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<code>appliance_reboot_task_log</code>	<code><object></code>	Log messages associated with the appliance task	
<code>appliance_reboot_task_log.operation_id</code>	<code><string></code>	A unique identifier for the operation which the log belongs to	Read-only; Optional;
<code>serial</code>	<code><string></code>	The serial number of the appliance	Read-only; Pattern: <code>^[A-Za-z][0-9A-Fa-f]{2}[A-Za-z]{0,2}[0-9A-Fa-f]{8}\$</code> ;
<code>appliance_reboot_task_log.log</code>	<code><log></code>	A series of timestamped log entries	
<code>appliance_reboot_task_log.<prop></code>	<code><any></code>		Optional;

Links

appliance_reboot_task_log: get

GET `http://{device}/api/cmc.upgrades/1.0/operations/reboot/{operation_id}/appliances/{serial}/log`

Response Body

Returns an [appliance_reboot_task_log](#) data object.

appliance_reboot_task_log: append

Append a log entry to the log. Use restricted to internal services

```
POST http://{device}/api/cmc.upgrades/1.0/operations/reboot/{operation_id}/appliances/{serial}/log
```

Request Body

Provide a [log_entry](#) data object.

Response Body

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

Resource: logging

Service logging parameters

```
http://{device}/api/cmc.upgrades/1.0/logging
```

JSON

```
{  
  "level": logging\_level,  
  <prop>: any  
}
```

Property Name	Type	Description	Notes
<i>logging</i>	<i><object></i>	Service logging parameters	Required properties: [level];
<i>logging.level</i>	<i><logging_level></i>	Severity levels for logs emitted by the service	Values: crit, err, warning, notice, info, debug;
<i>logging.<prop></i>	<i><any></i>		Optional;

Links

logging: get

```
GET http://{device}/api/cmc.upgrades/1.0/logging
```

Response Body

Returns a [logging](#) data object.

logging: set

```
PUT http://{device}/api/cmc.upgrades/1.0/logging
```

Request Body

Provide a [logging](#) data object.

Response Body

Returns a [logging](#) data object.

Type: product_code

The product code of the appliance

JSON

```
string
```

Property Name	Type	Description	Notes
---------------	------	-------------	-------

<i>product_code</i>	<code><string></code>	The product code of the appliance	Values: SH, EX, IC, SMC, WW, GC;
---------------------	-----------------------------	-----------------------------------	----------------------------------

Type: arch

The architecture of the appliance

JSON

`string`

Property Name	Type	Description	Notes
<i>arch</i>	<code><string></code>	The architecture of the appliance	Values: x86_64, i386;

Type: serial

The serial number of the appliance

JSON

`string`

Property Name	Type	Description	Notes
<i>serial</i>	<code><string></code>	The serial number of the appliance	Pattern: <code>^[A-Za-z][0-9A-Fa-f]{2}[A-Za-z]{0,2}[0-9A-Fa-f]{8}\$</code> ;

Type: image_definition

Properties that uniquely identify a Riverbed software image

JSON

```
{
  "product_code": product_code,
  "arch": arch,
  "target_version": version,
  "delta": boolean,
  "source_version": {
    "version_id": string,
    "version_number": string,
    "build_number": string,
    "build_timestamp": number,
    <prop>: any
  },
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>image_definition</i>	<code><object></code>	Properties that uniquely identify a Riverbed software image	Required properties: [product_code, arch, target_version, delta];
<i>image_definition.product_code</i>	<code><product_code></code>	The product code of the appliance	Values: SH, EX, IC, SMC, WW, GC;
<i>image_definition.arch</i>	<code><arch></code>	The architecture of the appliance	Values: x86_64, i386;
<i>image_definition.target_version</i>	<code><version></code>	The version of a software image	
<i>image_definition.delta</i>	<code><boolean></code>	Whether the image is a delta image	
<i>source_version</i>	<code><object></code>	The source version (if delta image is true)	Required properties: [version_id];
<i>source_version.version_id</i>	<code><string></code>	A unique identifier for a version of a product. Is an amalgam of all the information in the following fields	
<i>source_version.version_number</i>	<code><string></code>	The released version name. A dotted decimal with optional trailing characters to identify fix releases and customer specific releases	Optional;
<i>source_version.build_number</i>	<code><string></code>	The build number. Distinguishes prerelease versions. For any given general availability version_number there is a specific build number	Optional;
<i>build_timestamp</i>	<code><number></code>	The date and time of the build	
<i>source_version.<prop></i>	<code><any></code>		Optional;

<code>image_definition.<prop></code>	<code><any></code>	Optional;
--	--------------------------	-----------

Type: image_repository

An image repository provides a set of distinct images. The distinct meaning each has a different image definition

JSON

`string`

Property Name	Type	Description	Notes
<code>image_repository</code>	<code><string></code>	An image repository provides a set of distinct images. The distinct meaning each has a different image definition	Values: customer, riverbed;

Type: image_source

The source of the image. A repository can have multiple sources but particular source cannot be in more than one repository

JSON

`string`

Property Name	Type	Description	Notes
<code>image_source</code>	<code><string></code>	The source of the image. A repository can have multiple sources but particular source cannot be in more than one repository	Values: local, customer_url, riverbed;

Type: version

The version of a software image

JSON

```
{
  "version_id": string,
  "version_number": string,
  "build_number": string,
  "build_timestamp": number,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<code>version</code>	<code><object></code>	The version of a software image	Required properties: [version_id];
<code>version.version_id</code>	<code><string></code>	A unique identifier for a version of a product. Is an amalgam of all the information in the following fields	
<code>version.version_number</code>	<code><string></code>	The released version name. A dotted decimal with optional trailing characters to identify fix releases and customer specific releases	Optional;
<code>version.build_number</code>	<code><string></code>	The build number. Distinguishes prerelease versions. For any given general availability version_number there is a specific build number	Optional;
<code>build_timestamp</code>	<code><number></code>	The date and time of the build	
<code>version.<prop></code>	<code><any></code>		Optional;

Type: timestamp

The timestamp of the build

JSON

`number`

Property Name	Type	Description	Notes
<i>timestamp</i>	<number>	The timestamp of the build	

Type: username

The name of the user that scheduled the operation or task

JSON

string

Property Name	Type	Description	Notes
<i>username</i>	<string>	The name of the user that scheduled the operation or task	

Type: operation_status

The current state of the operation. Partially successful means that some of the operation's appliance tasks were successful but others were not

JSON

string

Property Name	Type	Description	Notes
<i>operation_status</i>	<string>	The current state of the operation. Partially successful means that some of the operation's appliance tasks were successful but others were not	Values: scheduled, running, successful, partially_successful, failed, cancelled;

Type: appliance_task_status

The current task status of the per appliance

JSON

string

Property Name	Type	Description	Notes
<i>appliance_task_status</i>	<string>	The current task status of the per appliance	Values: scheduled, running, successful, failed, cancelled;

Type: appliance_upgrade_task_stage

The current progress of the appliance upgrade task

JSON

string

Property Name	Type	Description	Notes
<i>appliance_upgrade_task_stage</i>	<string>	The current progress of the appliance upgrade task	Values: waiting, initiating, downloading, patching, installing, completed, failed, cancelled;

Type: appliance_downgrade_task_stage

The current progress of the per appliance downgrade task

JSON

string

Property Name	Type	Description	Notes
<i>appliance_downgrade_task_stage</i>	<string>	The current progress of the per appliance downgrade task	Values: waiting, initiating, downloading, installing, completed, failed, cancelled;

Type: appliance_reboot_task_stage

The current progress of the per appliance reboot task

JSON

```
string
```

Property Name	Type	Description	Notes
<i>appliance_reboot_task_stage</i>	<string>	The current progress of the per appliance reboot task	Values: waiting, initiating, rebooting, reboot_wait, completed, failed, cancelled;

Type: scheduled_time

The date and time of the run operation

JSON

```
{
  "datetime": timestamp,
  "time_type": string,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>scheduled_time</i>	<object>	The date and time of the run operation	Required properties: [datetime, time_type];
<i>scheduled_time.datetime</i>	<timestamp>	The timestamp of the build	
<i>scheduled_time.time_type</i>	<string>	Whether this represents an absolute time or the local time of the managed appliance	Values: utc, local;
<i>scheduled_time.<prop></i>	<any>		Optional;

Type: log_entry

A timestamped log line

JSON

```
{
  "timestamp": timestamp,
  "log_entry": string,
  "severity": string,
  <prop>: any
}
```

Property Name	Type	Description	Notes
<i>log_entry</i>	<object>	A timestamped log line	Required properties: [timestamp, severity, log_entry];
<i>log_entry.timestamp</i>	<timestamp>	The timestamp of the build	
<i>log_entry.log_entry</i>	<string>		
<i>log_entry.severity</i>	<string>		Values: emerg, alert, crit, err, warning, notice, info, debug;
<i>log_entry.<prop></i>	<any>		Optional;

Type: log

A series of timestamped log entries

JSON

[*log_entry*]

Property Name	Type	Description	Notes
<i>log</i>	<array of < <i>log_entry</i> >>	A series of timestamped log entries	
<i>log[items]</i>	< <i>log_entry</i> >	A timestamped log line	

Type: logging_level

Severity levels for logs emitted by the service

JSON

string

Property Name	Type	Description	Notes
<i>logging_level</i>	< <i>string</i> >	Severity levels for logs emitted by the service	Values: crit, err, warning, notice, info, debug;