

openHAB REST API

API and SDK Documentation

Version: 5

No description provided (generated by Swagger Codegen <https://github.com/swagger-api/swagger-codegen>)

Addons

getAddonById

Get add-on with given ID.

GET

```
/addons/{addonId}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/addons/{addonId}?serviceId="
```

Parameters

Path parameters

Name	Description
addonId*	String <i>addon ID</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Query parameters

Name	Description
serviceId	String <i>service ID</i>

Responses

Status: 200 - OK

Schema

▼ { []

id:	string
label:	string
version:	string
maturity:	string
compatible:	boolean

```

contentType:      string
link:             string
author:          string
verifiedAuthor:  boolean
installed:       boolean
type:            string
description:      string
detailedDescription: string
configDescriptionURI: string
keywords:        string
countries:       string
license:         string
connection:      string
backgroundColor: string
imageLink:       string
properties:      ▼ { []
                }
loggerPackages: ▼ [ []
                string
                ]
}

```

Status: 404 - Not found

getAddonServices

Get add-on services.

GET

```
/addons/types
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```

curl -X GET \
  -H "Accept: application/json" \
  "/rest/addons/types?serviceId="

```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Query parameters

Name	Description
serviceId	String <i>service ID</i>

Responses

Status: 200 - OK

Schema

```
▼ [ {}
  ▼ { {}
    id: string
    label: string
  }
]
```

Status: 404 - Service not found

getAddonTypes

Get all add-on types.

GET

```
/addons/services
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET \
-H "Accept: application/json" \
"/rest/addons/services"
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ [ {}
  ▼ { {}
    id: string
    label: string
  }
]
```

getAddons

Get all add-ons.

GET

```
/addons
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/addons?serviceId="
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Query parameters

Name	Description
serviceId	String <i>service ID</i>

Responses

Status: 200 - OK

Schema

```
▼ [ {}  
  ▼ { {}  
    id: string  
    label: string  
    version: string  
    maturity: string  
    compatible: boolean  
    contentType: string  
    link: string  
    author: string  
    verifiedAuthor: boolean  
    installed: boolean  
    type: string  
    description: string  
    detailedDescription: string  
    configDescriptionURI: string  
    keywords: string  
    countries: string  
    license: string  
    connection: string  
    backgroundColor: string  
    imageLink: string  
    properties: ▼ { {}  
      }  
    loggerPackages: ▼ [ {}  
      string  
    ]  
  }  
}
```

```
] ]
```

Status: 404 - Service not found

installAddonById

Installs the add-on with the given ID.

POST

```
/addons/{addonId}/install
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X POST\  
\  
"/rest/addons/{addonId}/install?serviceId="
```

Parameters

Path parameters

Name	Description
addonId*	String <i>addon ID</i> Required

Query parameters

Name	Description
serviceId	String <i>service ID</i>

Responses

Status: 200 - OK

Status: 404 - Not found

installAddonFromURL

Installs the add-on from the given URL.

POST

```
/addons/url/{url}/install
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X POST\  
\  
"/rest/addons/url/{url}/install"
```

Parameters

Path parameters

Name	Description
url*	String <i>addon install URL</i> Required

Responses

Status: 200 - OK

Status: 400 - The given URL is malformed or not valid.

uninstallAddon

Uninstalls the add-on with the given ID.

POST

```
/addons/{addonId}/uninstall
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X POST \  
\"/rest/addons/{addonId}/uninstall?serviceId=\"
```

Parameters

Path parameters

Name	Description
addonId*	String <i>addon ID</i> Required

Query parameters

Name	Description
serviceId	String <i>service ID</i>

Responses

Status: 200 - OK

Status: 404 - Not found

Audio

getAudioDefaultSink

Get the default sink if defined or the first available sink.

GET

```
/audio/defaultsink
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: application/json\  
"/rest/audio/defaultsink"
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ { []  
  id: string  
  label: string  
}
```

Status: 404 - Sink not found

getAudioDefaultSource

Get the default source if defined or the first available source.

GET

```
/audio/defaultsource
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: application/json\  
"/rest/audio/defaultsource"
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ { []  
  id: string  
  label: string  
}
```

Status: 404 - Source not found

getAudioSinks

Get the list of all sinks.

GET

/audio/sinks

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: application/json\  
"/rest/audio/sinks"
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ [ []  
  ▼ { []  
    id: string  
    label: string  
  }  
]
```

getAudioSources

Get the list of all sources.


```
/audio/sources
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: application/json\  
"/rest/audio/sources"
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ [ []  
  ▼ { []  
    id: string  
    label: string  
  }  
]
```

Auth

deleteSession

Delete the session associated with a refresh token.

POST

```
/auth/logout
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X POST\  
-H "Content-Type: application/x-www-form-urlencoded\  
"/rest/auth/logout"
```

Parameters

Form parameters

Name	Description
refresh_token	String
id	String

Responses

Status: 200 - OK

Status: 401 - User is not authenticated

Status: 404 - User or refresh token not found

getApiTokens

List the API tokens associated to the authenticated user.

GET

```
/auth/apitokens
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: application/json\  
"/rest/auth/apitokens"
```

Parameters

Responses

Status: 200 - OK

Schema

```
▼ [ {}  
  ▼ { {}  
    name: string  
    createTime: string (date-time)  
    scope: string  
  }  
]
```

Status: 401 - User is not authenticated

Status: 404 - User not found

getOAuthToken

Get access and refresh tokens.

POST

```
/auth/token
```

Usage and SDK Samples

```
curl -X POST\
-H "Accept: application/json"\
-H "Content-Type: application/x-www-form-urlencoded"\
"/rest/auth/token?useCookie="
```

Parameters

Form parameters

Name	Description
grant_type	String
code	String
redirect_uri	String
client_id	String
refresh_token	String
code_verifier	String

Query parameters

Name	Description
useCookie	Boolean

Responses

Status: 200 - OK

Schema

```

▼ { []
  access_token: string
  token_type: string
  expires_in: integer (int32)
  refresh_token: string
  scope: string
  user: ▼ { []
    name: string
    roles: ▼ [ []
      string
    ]
  }
}

```

Status: 400 - Invalid request parameters

getSessionsForCurrentUser

List the sessions associated to the authenticated user.

GET

```
/auth/sessions
```

Usage and SDK Samples

```
curl -X GET\  
-H "Accept: application/json\  
"/rest/auth/sessions"
```

Parameters

Responses

Status: 200 - OK

Schema

```
▼ [ []  
  ▼ { []  
    sessionId:      string  
    createdTime:    string (date-time)  
    lastRefreshTime: string (date-time)  
    clientId:       string  
    scope:          string  
  }  
]
```

Status: 401 - User is not authenticated

Status: 404 - User not found

removeApiToken

Revoke a specified API token associated to the authenticated user.

DELETE

```
/auth/apitokens/{name}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X DELETE\  
"/rest/auth/apitokens/{name}"
```

Parameters

Path parameters

Name	Description
name*	String Required

Responses

Status: 200 - OK

Status: 401 - User is not authenticated

Status: 404 - User or API token not found

Bindings

getBindingConfiguration

Get binding configuration for given binding ID.

GET

```
/bindings/{bindingId}/config
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X GET\  
\  
-H "Accept: application/json\  
" /rest/bindings/{bindingId}/config
```

Parameters

Path parameters

Name	Description
bindingId*	String <i>service ID</i> Required

Responses

Status: 200 - OK

[Schema](#)

```
string
```

Status: 404 - Binding does not exist

Status: 500 - Configuration can not be read due to internal error

getBindings

Get all bindings.

GET

```
/bindings
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/bindings"
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ [ ] (0..∞) ◆  
  ▼ { }  
    author:          string  
    description:     string  
    id:              string  
    name:            string  
    configDescriptionURI: string  
  }  
]
```

updateBindingConfiguration

Updates a binding configuration for given binding ID and returns the old configuration.

PUT

```
/bindings/{bindingId}/config
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X PUT\  
\  
-H "Accept: application/json\  
-H "Content-Type: application/json\  
"/rest/bindings/{bindingId}/config"
```

Parameters

Path parameters

Name	Description
bindingId*	String <i>service ID</i> Required

Body parameters

Name	Description
------	-------------

body

▼ { []
}

Responses

Status: 200 - OK

Schema

string

Status: 204 - No old configuration

Status: 404 - Binding does not exist

Status: 500 - Configuration can not be updated due to internal error

ChannelTypes

getChannelTypeByUID

Gets channel type by UID.

GET

/channel-types/{channelTypeUID}

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/channel-types/{channelTypeUID}"
```

Parameters

Path parameters

Name	Description
channelTypeUID*	String <i>channelTypeUID</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - Channel type with provided channelTypeUID does not exist.

Schema

▼ { }

parameters:

▼ [{}]

▼ { }

context: string
defaultValue: string
description: string
label: string
name: string
required: boolean
type: string
Enum: TEXT, INTEGER, DECIMAL, BOOLEAN
min: number
max: number
stepsize: number
pattern: string
readOnly: boolean
multiple: boolean
multipleLimit: integer (int32)
groupName: string
advanced: boolean
verify: boolean
limitToOptions: boolean
unit: string
unitLabel: string
options: ▼ [{}]

▼ { }

label: string
value: string

}

]

filterCriteria: ▼ [{}]

▼ { }

value: string
name: string

}

]

}

]

parameterGroups:

▼ [{}]

▼ { }

name: string
context: string
advanced: boolean
label: string
description: string

}

]

description:

string

label:

string

category:

string

itemType:

string

kind:

string

stateDescription:

▼ { }

minimum: number
maximum: number
step: number
pattern: string


```

readOnly: boolean
options: ▼ [ []
  ▼ { []
    value: string
    label: string
  }
]
tags: ▼ [ [] (0..∞) ♦
  string
]
UID: string
advanced: boolean
commandDescription: ▼ { []
  commandOptions: ▼ [ []
    ▼ { []
      command: string
      label: string
    }
  ]
}
}

```

Status: 404 - No content

getChannelTypes

Gets all available channel types.

GET

```
/channel-types
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```

curl -X GET \
  -H "Accept: application/json" \
  "/rest/channel-types?prefixes="

```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Query parameters

Name	Description
prefixes	String <i>filter UIDs by prefix (multiple comma-separated prefixes allowed, for example: 'system,mqtt')</i>

Responses

Schema

```

▼ [ ] (0..∞) ◆
  ▼ { [ ]
    parameters:
      ▼ [ [ ]
        ▼ { [ ]
          context:      string
          defaultValue: string
          description:  string
          label:        string
          name:         string
          required:     boolean
          type:         string
                        Enum: TEXT, INTEGER, DECIMAL, BOOLEAN
          min:          number
          max:          number
          stepsize:     number
          pattern:      string
          readOnly:    boolean
          multiple:     boolean
          multipleLimit: integer (int32)
          groupName:   string
          advanced:    boolean
          verify:      boolean
          limitToOptions: boolean
          unit:        string
          unitLabel:   string
          options:     ▼ [ [ ]
                        ▼ { [ ]
                          label: string
                          value: string
                        }
                      ]
          filterCriteria: ▼ [ [ ]
                          ▼ { [ ]
                            value: string
                            name: string
                          }
                        ]
        }
      ]
    parameterGroups:
      ▼ [ [ ]
        ▼ { [ ]
          name:      string
          context:   string
          advanced:  boolean
          label:     string
          description: string
        }
      ]
    description:  string
    label:        string
    category:     string
    itemType:     string
    kind:         string
  }

```

```

stateDescription:  ▼ { []
  minimum: number
  maximum: number
  step:    number
  pattern: string
  readOnly: boolean
  options: ▼[ []
    ▼ { []
      value: string
      label: string
    }
  ]
}
tags: ▼[ [] (0..∞) ♦
  string
]
UID: string
advanced: boolean
commandDescription: ▼ { []
  commandOptions: ▼[ []
    ▼ { []
      command: string
      label: string
    }
  ]
}
}
]

```

getLinkableItemTypesByChannelTypeUID

Gets the item types the given trigger channel type UID can be linked to.

GET

```
/channel-types/{channelTypeUID}/linkableItemTypes
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```

curl -X GET\
\
-H "Accept: application/json"\
"/rest/channel-types/{channelTypeUID}/linkableItemTypes"

```

Parameters

Path parameters

Name	Description
channelTypeUID*	String <i>channelTypeUID</i> Required

Responses

Status: 200 - OK

Schema

```
▼ [ [] (0..∞) ◆  
  string  
]
```

Status: 204 - No content: channel type has no linkable items or is no trigger channel.

Status: 404 - Given channel type UID not found.

ConfigDescriptions

getConfigDescriptionByURI

Gets a config description by URI.

GET

```
/config-descriptions/{uri}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/config-descriptions/{uri}"
```

Parameters

Path parameters

Name	Description
uri*	String <i>uri</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ { []  
  uri: string  
  parameters: ▼ [ []  
    ▼ { []
```

```

context:      string
defaultValue: string
description:  string
label:        string
name:         string
required:     boolean
type:         string
              Enum: TEXT, INTEGER, DECIMAL, BOOLEAN

min:          number
max:          number
stepsize:     number
pattern:      string
readOnly:     boolean
multiple:     boolean
multipleLimit: integer (int32)
groupName:   string
advanced:     boolean
verify:       boolean
limitToOptions: boolean
unit:         string
unitLabel:    string
options:      ▼ [ []
              ▼ { []
                label: string
                value: string
              }
            ]
filterCriteria: ▼ [ []
               ▼ { []
                 value: string
                 name: string
               }
             ]
}
]
parameterGroups: ▼ [ []
                 ▼ { []
                   name:      string
                   context:   string
                   advanced:  boolean
                   label:     string
                   description: string
                 }
               ]
}
}

```

Status: 400 - Invalid URI syntax

Status: 404 - Not found

getConfigDescriptions

Gets all available config descriptions.

/config-descriptions

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET \
-H "Accept: application/json" \
"/rest/config-descriptions?scheme="
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Query parameters

Name	Description
scheme	String <i>scheme filter</i>

Responses

Status: 200 - OK

Schema

```
▼ [ {}
  ▼ { {}
    uri: string
    parameters: ▼ [ {}
      ▼ { {}
        context: string
        defaultValue: string
        description: string
        label: string
        name: string
        required: boolean
        type: string
          Enum: TEXT, INTEGER, DECIMAL, BOOLEAN
        min: number
        max: number
        stepsize: number
        pattern: string
        readOnly: boolean
        multiple: boolean
        multipleLimit: integer (int32)
        groupName: string
        advanced: boolean
        verify: boolean
        limitToOptions: boolean
        unit: string
        unitLabel: string
        options: ▼ [ {}
          ▼ { {}
            label: string
            value: string
```

```
    }
  ]
  filterCriteria: ▼[ []
    ▼ { []
      value: string
      name: string
    }
  ]
}
]
parameterGroups: ▼[ []
  ▼ { []
    name: string
    context: string
    advanced: boolean
    label: string
    description: string
  }
]
}
]
```

Discovery

getBindingsWithDiscoverySupport

Gets all bindings that support discovery.

GET

```
/discovery
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/discovery"
```

Parameters

Responses

Status: 200 - OK

Schema

```
▼ [ ] (0..∞) ◆  
  string  
]
```

scan

Starts asynchronous discovery process for a binding and returns the timeout in seconds of the discovery operation.

POST

```
/discovery/bindings/{bindingId}/scan
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X POST\  
\  
-H "Accept: text/plain\  
"/rest/discovery/bindings/{bindingId}/scan"
```

Parameters

Path parameters

Name	Description
bindingId*	String <i>bindingId</i> Required

Responses

Status: 200 - OK

Schema

integer (int32)

Events

getEvents

Get all events.

GET

```
/events
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
"/rest/events?topics="
```

Parameters

Query parameters

Name	Description
topics	String <i>topics</i>

Responses

Status: 200 - OK

Status: 400 - Topic is empty or contains invalid characters

initNewStateTacker

Initiates a new item state tracker connection

GET

```
/events/states
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
"/rest/events/states"
```

Parameters

Responses

Status: 200 - OK

updateItemListForStateUpdates

Changes the list of items a SSE connection will receive state updates to.

POST

```
/events/states/{connectionId}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X POST\  
-H "Content-Type: */*"  
"/rest/events/states/{connectionId}"
```

Parameters

Path parameters

Name	Description
connectionId*	String Required

Body parameters

Name	Description
body	▼ [[] (0..∞) ◆ string]

Responses

Status: 200 - OK

Status: 404 - Unknown connectionId

Habpanel

getGalleryWidgetList

Gets the list of widget gallery items.

GET

```
/habpanel/gallery/{galleryName}/widgets
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: application/json"\  
"/rest/habpanel/gallery/{galleryName}/widgets"
```

Parameters

Path parameters

Name	Description
galleryName*	String <i>gallery name e.g. 'community'</i> Required

Responses

Status: 200 - OK

Schema

```
▼ [ []  
  ▼ { []  
    id:          string  
    title:       string  
    description: string  
    likes:       integer (int32)  
    views:       integer (int32)  
    posts:       integer (int32)  
    imageUrl:    string  
    createDate: string (date-time)  
  }  
]
```

Status: 404 - Unknown gallery

getGalleryWidgetsItem

Gets the details about a widget gallery item.

GET

```
/habpanel/gallery/{galleryName}/widgets/{id}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: application/json"\  
"/rest/habpanel/gallery/{galleryName}/widgets/{id}"
```

Parameters

Path parameters

Name	Description
------	-------------

galleryName*	String <i>gallery name e.g. 'community'</i> Required
id*	String <i>id within the gallery</i> Required

Responses

Status: 200 - OK

Schema

```

▼ { []
  id:          string
  title:       string
  description: string
  likes:       integer (int32)
  views:       integer (int32)
  posts:       integer (int32)
  imageUrl:    string
  author:      string
  authorName:  string
  authorAvatarUrl: string
  createDate:  string (date-time)
  updateDate:  string (date-time)
  readme:      string
}
```

Status: 404 - Unknown gallery or gallery item not found

Iconsets

getIconSets

Gets all icon sets.

GET

/iconsets

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```

curl -X GET\
-H "Accept: application/json"\
"/rest/iconsets"
```

Parameters

Header parameters

Name	Description
------	-------------

Accept-Language	String <i>language</i>
-----------------	---------------------------

Responses

Status: 200 - OK

Schema

```
▼ [ []
  ▼ { []
    id:      string
    label:   string
    description: string
    formats: ▼ [ [] (0..∞) ◆
              string
              Enum: PNG, SVG
            ]
  }
]
```

Inbox

approveInboxItemById

Approves the discovery result by adding the thing to the registry.

POST

```
/inbox/{thingUID}/approve
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X POST \
-H "Content-Type: text/plain" \
"/rest/inbox/{thingUID}/approve?newThingId="
```

Parameters

Path parameters

Name	Description
thingUID*	String <i>thingUID</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Body parameters

Name	Description
body	string

Query parameters

Name	Description
newThingId	String <i>new thing ID</i>

Responses

Status: 200 - OK

Status: 400 - Invalid new thing ID.

Status: 404 - Thing unable to be approved.

Status: 409 - No binding found that supports this thing.

flagInboxItemAsIgnored

Flags a discovery result as ignored for further processing.

POST

```
/inbox/{thingUID}/ignore
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X POST\  
\  
"/rest/inbox/{thingUID}/ignore"
```

Parameters

Path parameters

Name	Description
thingUID*	String <i>thingUID</i> Required

Responses

Status: 200 - OK

getDiscoveredInboxItems

Get all discovered things.

GET

```
/inbox
```

Usage and SDK Samples

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/inbox"
```

Parameters

Responses

Status: 200 - OK

Schema

```
▼ [ {}  
  ▼ { {}  
    bridgeUID: string  
    flag: string  
           Enum: NEW , IGNORED  
    label: string  
    properties: ▼ { {}  
                }  
    representationProperty: string  
    thingUID: string  
    thingTypeUID: string  
  }  
]
```

removeIgnoreFlagOnInboxItem

Removes ignore flag from a discovery result.

POST

```
/inbox/{thingUID}/unignore
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X POST \  
"/rest/inbox/{thingUID}/unignore"
```

Parameters

Path parameters

Name	Description
thingUID*	String <i>thingUID</i> Required

Responses

Status: 200 - OK

removeItemFromInbox

Removes the discovery result from the inbox.

DELETE

```
/inbox/{thingUID}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X DELETE\  
\  
"/rest/inbox/{thingUID}"
```

Parameters

Path parameters

Name	Description
thingUID*	String <i>thingUID</i> Required

Responses

Status: 200 - OK

Status: 404 - Discovery result not found in the inbox.

Items

addMemberToGroupItem

Adds a new member to a group item.

PUT

```
/items/{itemName}/members/{memberItemName}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X PUT\  
\  
"/rest/items/{itemName}/members/{memberItemName}"
```

Parameters

Path parameters

Name	Description
------	-------------

itemName*	String <i>item name</i> Required
memberItemName*	String <i>member item name</i> Required

Responses

Status: 200 - OK

Status: 404 - Item or member item not found or item is not of type group item.

Status: 405 - Member item is not editable.

addMetadataToItem

Adds metadata to an item.

PUT

```
/items/{itemname}/metadata/{namespace}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X PUT \
-H "Content-Type: application/json" \
"/rest/items/{itemname}/metadata/{namespace}"
```

Parameters

Path parameters

Name	Description
itemName*	String <i>item name</i> Required
namespace*	String <i>namespace</i> Required

Body parameters

Name	Description
body *	<pre>▼ { [] value: string config: ▼ { [] } }</pre>

Responses

Status: 200 - OK

Status: 201 - Created

Status: 400 - Metadata value empty.

Status: 404 - Item not found.

addOrUpdateItemInRegistry

Adds a new item to the registry or updates the existing item.

PUT

```
/items/{itemname}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X PUT \  
 \  
 -H "Accept: */*" \  
 -H "Content-Type: application/json" \  
 "/rest/items/{itemname}"
```

Parameters

Path parameters

Name	Description
itemname*	String <i>item name</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Body parameters

Name	Description
body *	<pre>▼ { [] type: string name: string label: string category: string tags: ▼ [[] (0..∞) ◆ string] groupNames: ▼ [[] string] groupType: string function: ▼ { [] name: string params: ▶ [[] } } }</pre>

Responses

Status: 200 - OK

[Schema](#)

```

▼ { []
  type: string
  name: string
  label: string
  category: string
  tags: ▼[ [] (0..∞) ♦
        string
        ]
  groupNames: ▼[ []
              string
              ]
  link: string
  state: string
  transformedState: string
  stateDescription: ▼ { []
                   minimum: number
                   maximum: number
                   step: number
                   pattern: string
                   readOnly: boolean
                   options: ▼[ []
                          ▼ { []
                             value: string
                             label: string
                          }
                          ]
                   }
  commandDescription: ▼ { []
                     commandOptions: ▼[ []
                                       ▼ { []
                                          command: string
                                          label: string
                                       }
                                       ]
                     }
  metadata: ▼ { []
            }
  editable: boolean
}

```

Status: 201 - Item created.

Status: 400 - Payload invalid.

Status: 404 - Item not found or name in path invalid.

Status: 405 - Item not editable.

addOrUpdateItemsInRegistry

Adds a list of items to the registry or updates the existing items.

```
/items
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X PUT \
-H "Accept: */*" \
-H "Content-Type: application/json" \
"/rest/items"
```

Parameters

Body parameters

Name	Description
body *	<pre>▼ [[] ▼ { [] type: string name: string label: string category: string tags: ▼ [[] (0..∞) ♦ string] groupNames: ▼ [[] string] groupType: string function: ▼ { [] name: string params: ▼ [[] string] } }]</pre>

Responses

Status: 200 - OK

Schema

```
string
```

Status: 400 - Payload is invalid.

addTagToItem

Adds a tag to an item.

PUT

```
/items/{itemname}/tags/{tag}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X PUT\  
\  
"/rest/items/{itemname}/tags/{tag}"
```

Parameters

Path parameters

Name	Description
itemname*	String <i>item name</i> Required
tag*	String <i>tag</i> Required

Responses

Status: 200 - OK

Status: 404 - Item not found.

Status: 405 - Item not editable.

getItemByName

Gets a single item.

GET

```
/items/{itemname}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: application/json"\  
"/rest/items/{itemname}?metadata=&recursive="
```

Parameters

Path parameters

Name	Description
itemname*	String <i>item name</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Query parameters

Name	Description
------	-------------

metadata	String <i>metadata selector - a comma separated list or a regular expression (suppressed if no value given)</i>
recursive	Boolean <i>get member items if the item is a group item</i>

Responses

Status: 200 - OK

Schema

```

▼ { []
  type: string
  name: string
  label: string
  category: string
  tags: ▼ [ [] (0..∞) ◆
        string
      ]
  groupNames: ▼ [ []
              string
            ]
  link: string
  state: string
  transformedState: string
  stateDescription: ▼ { []
                   minimum: number
                   maximum: number
                   step: number
                   pattern: string
                   readOnly: boolean
                   options: ▼ [ []
                          ▼ { []
                             value: string
                             label: string
                           }
                        ]
                 }
  commandDescription: ▼ { []
                     commandOptions: ▼ [ []
                                       ▼ { []
                                          command: string
                                          label: string
                                        }
                                      ]
                     }
  metadata: ▼ { []
            }
  editable: boolean
}

```

Status: 404 - Item not found

getItemState1

Gets the state of an item.

GET

```
/items/{itemname}/state
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: text/plain\  
"/rest/items/{itemname}/state"
```

Parameters

Path parameters

Name	Description
itemname*	String <i>item name</i> Required

Responses

Status: 200 - OK

Schema

```
string
```

Status: 404 - Item not found

getItems

Get all available items.

GET

```
/items
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: application/json\  
"/rest/items?type=&tags=&metadata=&recursive=&fields="
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Query parameters

Name	Description
------	-------------

type	String <i>item type filter</i>
tags	String <i>item tag filter</i>
metadata	String <i>metadata selector - a comma separated list or a regular expression (suppressed if no value given)</i>
recursive	Boolean <i>get member items recursively</i>
fields	String <i>limit output to the given fields (comma separated)</i>

Responses

Status: 200 - OK

Schema

```

▼ [ {}
  ▼ { {}
    type: string
    name: string
    label: string
    category: string
    tags: ▼ [ {} (0..∞) ♦
           string
         ]
    groupNames: ▼ [ {}
                string
              ]
    link: string
    state: string
    transformedState: string
    stateDescription: ▼ { {}
                     minimum: number
                     maximum: number
                     step: number
                     pattern: string
                     readOnly: boolean
                     options: ▼ [ {}
                              ▼ { {}
                                value: string
                                label: string
                              }
                            ]
                   }
    commandDescription: ▼ { {}
                       commandOptions: ▼ [ {}
                                         ▼ { {}
                                           command: string
                                           label: string
                                         }
                                       ]
                       }
    metadata: ▼ { {}
              }
    editable: boolean
  }
]

```

removeItemFromRegistry

Removes an item from the registry.

DELETE

```
/items/{itemname}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X DELETE\  
\  
"/rest/items/{itemname}"
```

Parameters

Path parameters

Name	Description
itemname*	String <i>item name</i> Required

Responses

Status: 200 - OK

Status: 404 - Item not found or item is not editable.

removeMemberFromGroupItem

Removes an existing member from a group item.

DELETE

```
/items/{itemName}/members/{memberItemName}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X DELETE\  
\  
"/rest/items/{itemName}/members/{memberItemName}"
```

Parameters

Path parameters

Name	Description
itemName*	String <i>item name</i> Required
memberItemName*	String <i>member item name</i> Required

Responses

Status: 200 - OK

Status: 404 - Item or member item not found or item is not of type group item.

Status: 405 - Member item is not editable.

removeMetadataFromItem

Removes metadata from an item.

DELETE

```
/items/{itemname}/metadata/{namespace}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X DELETE\  
\  
"/rest/items/{itemname}/metadata/{namespace}"
```

Parameters

Path parameters

Name	Description
itemname*	String <i>item name</i> Required
namespace*	String <i>namespace</i> Required

Responses

Status: 200 - OK

Status: 404 - Item not found.

Status: 405 - Meta data not editable.

removeTagFromItem

Removes a tag from an item.

DELETE

```
/items/{itemname}/tags/{tag}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X DELETE\  
\  
"/rest/items/{itemname}/tags/{tag}"
```

Parameters

Path parameters

Name	Description
itemname*	String <i>item name</i> Required
tag*	String <i>tag</i> Required

Responses

Status: 200 - OK

Status: 404 - Item not found.

Status: 405 - Item not editable.

sendItemCommand

Sends a command to an item.

POST

```
/items/{itemname}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X POST\  
-H "Content-Type: text/plain\  
"/rest/items/{itemname}"
```

Parameters

Path parameters

Name	Description
itemname*	String <i>item name</i> Required

Body parameters

Name	Description
body *	string

Responses

Status: 200 - OK

Status: 400 - Item command null

Status: 404 - Item not found

updateItemState

Updates the state of an item.

PUT

```
/items/{itemname}/state
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X PUT\  
-H "Content-Type: text/plain"\  
"/rest/items/{itemname}/state"
```

Parameters

Path parameters

Name	Description
itemname*	String <i>item name</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Body parameters

Name	Description
body *	string

Responses

Status: 202 - Accepted

Status: 400 - Item state null

Status: 404 - Item not found

Links

getItemLink

Retrieves an individual link.

GET

```
/links/{itemName}/{channelUID}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/links/{itemName}/{channelUID}"
```

Parameters

Path parameters

Name	Description
itemName*	String <i>item name</i> Required
channelUID*	String <i>channel UID</i> Required

Responses

Status: 200 - OK

Schema

```
▼ { []  
  itemName: string  
  channelUID: string  
  configuration: ▼ { []  
    }  
  editable: boolean  
}
```

Status: 404 - Content does not match the path

getItemLinks

Gets all available links.

GET

```
/links
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/links?channelUID=&itemName="
```

Parameters

Query parameters

Name	Description
channelUID	String <i>filter by channel UID</i>

itemName	String <i>filter by item name</i>
----------	--------------------------------------

Responses

Status: 200 - OK

Schema
<pre>▼ [{} ▼ { {} itemName: string channelUID: string configuration: ▼ { {} } editable: boolean }]</pre>

linkItemToChannel

Links an item to a channel.

PUT

<code>/links/{itemName}/{channelUID}</code>

Usage and SDK Samples

Curl	Java	Android	Obj-C	JavaScript	C#	PHP	Perl	Python
------	------	---------	-------	------------	----	-----	------	--------

<pre>curl -X PUT \ -H "Content-Type: application/json" \ "/rest/links/{itemName}/{channelUID}"</pre>
--

Parameters

Path parameters

Name	Description
itemName*	String <i>itemName</i> Required
channelUID*	String <i>channelUID</i> Required

Body parameters

Name	Description
body	<pre>▼ { {} itemName: string channelUID: string configuration: ▼ { {} } }</pre>

Responses

Status: 200 - OK

Status: 400 - Content does not match the path

Status: 405 - Link is not editable

unlinkItemFromChannel

Unlinks an item from a channel.

DELETE

```
/links/{itemName}/{channelUID}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X DELETE\  
\  
"/rest/links/{itemName}/{channelUID}"
```

Parameters

Path parameters

Name	Description
itemName*	String <i>itemName</i> Required
channelUID*	String <i>channelUID</i> Required

Responses

Status: 200 - OK

Status: 404 - Link not found.

Status: 405 - Link not editable.

Logging

getLogger

Get a single logger.

GET

```
/logging/{loggerName}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/logging/{loggerName}"
```

Parameters

Path parameters

Name	Description
loggerName*	String <i>logger name</i> Required

Responses

Status: 200 - OK

Schema

```
▼ { []  
  loggerName: string  
  level:      string  
}
```

getLogger1

Get all loggers

GET

/logging

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/logging"
```

Parameters

Responses

Status: 200 - OK

Schema

```
▼ { []
```

```
loggers: ▼ [ []
  ▼ { []
    loggerName: string
    level:      string
  }
]
```

putLogger

Modify or add logger

PUT

```
/logging/{loggerName}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X PUT \
-H "Content-Type: application/json" \
"/rest/logging/{loggerName}"
```

Parameters

Path parameters

Name	Description
loggerName*	String <i>logger name</i> Required

Body parameters

Name	Description
body *	▼ { [] loggerName: string level: string }

Responses

Status: 200 - OK

Status: 400 - Payload is invalid.

removeLogger

Remove a single logger.

DELETE

```
/logging/{loggerName}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X DELETE\  
\  
"/rest/logging/{loggerName}"
```

Parameters

Path parameters

Name	Description
loggerName*	String <i>logger name</i> Required

Responses

Status: 200 - OK

ModuleTypes

getModuleTypeById

Gets a module type corresponding to the given UID.

GET

```
/module-types/{moduleTypeUID}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X GET\  
-H "Accept: application/json\  
"/rest/module-types/{moduleTypeUID}"
```

Parameters

Path parameters

Name	Description
moduleTypeUID*	String <i>moduleTypeUID</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

[Schema](#)

```

▼ { []
  uid: string
  visibility: string
  Enum: [VISIBLE, HIDDEN, EXPERT]
  tags: ▼[ [] (0..∞) ◆
    string
  ]
  label: string
  description: string
  configDescriptions: ▼[ []
    ▼ { []
      context: string
      defaultValue: string
      description: string
      label: string
      name: string
      required: boolean
      type: string
      Enum: [TEXT, INTEGER, DECIMAL, BOOLEAN]
      min: number
      max: number
      stepsize: number
      pattern: string
      readOnly: boolean
      multiple: boolean
      multipleLimit: integer (int32)
      groupName: string
      advanced: boolean
      verify: boolean
      limitToOptions: boolean
      unit: string
      unitLabel: string
      options: ▼[ []
        ▼ { []
          label: string
          value: string
        }
      ]
      filterCriteria: ▼[ []
        ▼ { []
          value: string
          name: string
        }
      ]
    }
  ]
}

```

Status: 404 - Module Type corresponding to the given UID does not found.

getModuleTypes

Get all available module types.

GET

/module-types

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: application/json\  
"/rest/module-types?tags=&type="
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Query parameters

Name	Description
tags	String <i>tags for filtering</i>
type	String <i>filtering by action, condition or trigger</i>

Responses

Status: 200 - OK

Schema

```
▼ [ {}  
  ▼ { {}  
    uid: string  
    visibility: string  
      Enum: [ VISIBLE, HIDDEN, EXPERT ]  
    tags: ▼ [ {} (0..∞) ◆  
      string  
    ]  
    label: string  
    description: string  
    configDescriptions: ▼ [ {}  
      ▼ { {}  
        context: string  
        defaultValue: string  
        description: string  
        label: string  
        name: string  
        required: boolean  
        type: string  
          Enum: [ TEXT, INTEGER, DECIMAL, BOOLEAN ]  
        min: number  
        max: number  
        stepsize: number  
        pattern: string  
        readOnly: boolean  
        multiple: boolean  
        multipleLimit: integer (int32)
```

```

    groupName: string
    advanced: boolean
    verify: boolean
    limitToOptions: boolean
    unit: string
    unitLabel: string
    options:
      ▼ [ []
        ▼ { []
          label: string
          value: string
        }
      ]
    filterCriteria:
      ▼ [ []
        ▼ { []
          value: string
          name: string
        }
      ]
  }
]
}
]

```

Persistence

deleteItemFromPersistenceService

Deletes item persistence data from a specific persistence service in a given time range.

DELETE

```
/persistence/items/{itemname}
```

Usage and SDK Samples

```

curl -X DELETE\
\
-H "Accept: application/json"\
"/rest/persistence/items/{itemname}?serviceId=&starttime=&endtime="

```

Parameters

Path parameters

Name	Description
itemname*	String <i>The item name.</i> Required

Query parameters

Name	Description
------	-------------

serviceId*	String <i>Id of the persistence service.</i> Required
starttime*	String <i>Start of the time range to be deleted. [yyyy-MM-dd'T'HH:mm:ss.SSSZ]</i> Required
endtime*	String <i>End of the time range to be deleted. [yyyy-MM-dd'T'HH:mm:ss.SSSZ]</i> Required

Responses

Status: 200 - OK

Schema

```

▼ [ []
  string
]
```

Status: 400 - Invalid filter parameters

Status: 404 - Unknown persistence service

getItemDataFromPersistenceService

Gets item persistence data from the persistence service.

GET

```
/persistence/items/{itemname}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET \
-H "Accept: application/json" \
"/rest/persistence/items/{itemname}?serviceId=&starttime=&endtime=&page=&pagelength=&boundary="
```

Parameters

Path parameters

Name	Description
itemname*	String <i>The item name</i> Required

Query parameters

Name	Description
serviceId	String <i>Id of the persistence service. If not provided the default service will be used</i>
starttime	String <i>Start time of the data to return. Will default to 1 day before endtime. [yyyy-MM-dd'T'HH:mm:ss.SSSZ]</i>
endtime	String <i>End time of the data to return. Will default to current time. [yyyy-MM-dd'T'HH:mm:ss.SSSZ]</i>
page	Integer (int32) <i>Page number of data to return. This parameter will enable paging.</i>

pagelength	Integer (int32) <i>The length of each page.</i>
boundary	Boolean <i>Gets one value before and after the requested period.</i>

Responses

Status: 200 - OK

Schema

```

▼ { []
  name:      string
  totalrecords: string
  datapoints: string
  data:      ▼[ []
              ▼ { []
                  time: integer (int64)
                  state: string
              }
          ]
  }

```

Status: 404 - Unknown Item or persistence service

getItemsForPersistenceService

Gets a list of items available via a specific persistence service.

GET

```
/persistence/items
```

Usage and SDK Samples

[Curl](#)
[Java](#)
[Android](#)
[Obj-C](#)
[JavaScript](#)
[C#](#)
[PHP](#)
[Perl](#)
[Python](#)

```

curl -X GET \
  -H "Accept: application/json" \
  "/rest/persistence/items?serviceId="

```

Parameters

Query parameters

Name	Description
serviceId	String <i>Id of the persistence service. If not provided the default service will be used</i>

Responses

Status: 200 - OK

Schema

```

▼[ [] (0..∞) ♦
  ▼ { []

```



```
    earliest: string (date-time)
    latest:  string (date-time)
    name:   string
    count:  integer (int32)
  }
]
```

getPersistenceServices

Gets a list of persistence services.

GET

```
/persistence
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X GET \
-H "Accept: application/json" \
"/rest/persistence"
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ [ []
  ▼ { []
    id:  string
    label: string
    type: string
  }
]
```

storeItemDataInPersistenceService

Stores item persistence data into the persistence service.

```
/persistence/items/{itemname}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X PUT \
"/rest/persistence/items/{itemname}?serviceId=&time=&state="
```

Parameters

Path parameters

Name	Description
itemname*	String <i>The item name.</i> Required

Query parameters

Name	Description
serviceId	String <i>Id of the persistence service. If not provided the default service will be used</i>
time*	String <i>Time of the data to be stored. Will default to current time. [yyyy-MM-dd'T'HH:mm:ss.SSSZ]</i> Required
state*	String <i>The state to store.</i> Required

Responses

Status: 200 - OK

Status: 404 - Unknown Item or persistence service

ProfileTypes

getProfileTypes

Gets all available profile types.

GET

```
/profile-types
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET \
-H "Accept: application/json" \
"/rest/profile-types?channelTypeUID=&itemType="
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Query parameters

Name	Description
channelTypeUID	String <i>channel type filter</i>
itemType	String <i>item type filter</i>

Responses

Status: 200 - OK

Schema

```
▼ [ ] (0..∞) ◆
  ▼ { }
    uid:          string
    label:        string
    kind:         string
    supportedItemTypes: ▼ [ ]
                      string
                      ]
  }
]
```

Root

getRoot

Gets information about the runtime, the API version and links to resources.

GET

```
/
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET \
-H "Accept: application/json" \
"/rest/"
```

Parameters

Responses

Status: 200 - OK

Schema

```
▼ { []
  version:      string
  locale:      string
  measurementSystem: string
  runtimeInfo: ▼ { []
                version:  string
                buildString: string
              }
  links:      ▼[ []
              ▼ { []
                type: string
                url:  string
              }
            ]
}
```

Rules

createRule

Creates a rule.

POST

```
/rules
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X POST \
  -H "Content-Type: application/json" \
  "/rest/rules"
```

Parameters

Body parameters

Name	Description
------	-------------

body *

```
▼ { []
  triggers: ▼ [ []
    ▼ { []
      id: string
      label: string
      description: string
      configuration: ▼ { []
        }
      type: string
    }
  ]
  conditions: ▼ [ []
    ▼ { []
      id: string
      label: string
      description: string
      configuration: ▼ { []
        }
      type: string
      inputs: ▼ { []
        }
    }
  ]
  actions: ▼ [ []
    ▼ { []
      id: string
      label: string
      description: string
      configuration: ▼ { []
        }
      type: string
      inputs: ▼ { []
        }
    }
  ]
  configuration: ▼ { []
  }
  configDescriptions: ▼ [ []
    ▼ { []
      context: string
      defaultValue: string
      description: string
      label: string
      name: string
      required: boolean
      type: string
      Enum: TEXT , INTEGER , DECIMAL , BOOLEAN
      min: number
      max: number
      stepsize: number
      pattern: string
      readOnly: boolean
      multiple: boolean
      multipleLimit: integer (int32)
      groupName: string
      advanced: boolean
      verify: boolean
    }
  ]
}
```

```

    limitToOptions: boolean
    unit: string
    unitLabel: string
    options: ▼ [ []
      ▼ { []
        label: string
        value: string
      }
    ]
    filterCriteria: ▼ [ []
      ▼ { []
        value: string
        name: string
      }
    ]
  }
]
templateUID: string
uid: string
name: string
tags: ▼ [ [] (0..∞) ◆
  string
]
visibility: string
Enum: VISIBLE, HIDDEN, EXPERT
description: string
}

```

Responses

Status: 201 - Created

Headers

Name	Type	Format	Description
------	------	--------	-------------

Status: 400 - Creation of the rule is refused. Missing required parameter.

Status: 409 - Creation of the rule is refused. Rule with the same UID already exists.

deleteRule

Removes an existing rule corresponding to the given UID.

DELETE

```
/rules/{ruleUID}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X DELETE \
"/rest/rules/{ruleUID}"
```

Parameters

Path parameters

Name	Description
ruleUID*	String <i>ruleUID</i> Required

Responses

Status: 200 - OK

Status: 404 - Rule corresponding to the given UID does not found.

enableRule

Sets the rule enabled status.

POST

```
/rules/{ruleUID}/enable
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X POST\  
\  
-H "Content-Type: text/plain\  
"/rest/rules/{ruleUID}/enable"
```

Parameters

Path parameters

Name	Description
ruleUID*	String <i>ruleUID</i> Required

Body parameters

Name	Description
body *	string

Responses

Status: 200 - OK

Status: 404 - Rule corresponding to the given UID does not found.

getRuleActions

Gets the rule actions.

GET

```
/rules/{ruleUID}/actions
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/rules/{ruleUID}/actions"
```

Parameters

Path parameters

Name	Description
ruleUID*	String <i>ruleUID</i> Required

Responses

Status: 200 - OK

Schema

```
▼ [ []  
  ▼ { []  
    id:      string  
    label:   string  
    description: string  
    configuration: ▼ { []  
                  }  
    type:     string  
    inputs:   ▼ { []  
              }  
  }  
]
```

Status: 404 - Rule corresponding to the given UID does not found.

getRuleById

Gets the rule corresponding to the given UID.

GET

```
/rules/{ruleUID}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/rules/{ruleUID}"
```

Parameters

Path parameters

Name	Description
ruleUID*	String <i>ruleUID</i> Required

Responses

Status: 200 - OK

Schema

```

▼ { []
  triggers: ▼ [ []
    ▼ { []
      id: string
      label: string
      description: string
      configuration: ▼ { []
      }
      type: string
    }
  ]
  conditions: ▼ [ []
    ▼ { []
      id: string
      label: string
      description: string
      configuration: ▼ { []
      }
      type: string
      inputs: ▼ { []
      }
    }
  ]
  actions: ▼ [ []
    ▼ { []
      id: string
      label: string
      description: string
      configuration: ▼ { []
      }
      type: string
      inputs: ▼ { []
      }
    }
  ]
  configuration: ▼ { []
  }
  configDescriptions: ▼ [ []
    ▼ { []
      context: string
      defaultValue: string
      description: string
      label: string
      name: string
      required: boolean
      type: string
      Enum: TEXT, INTEGER, DECIMAL, BOOLEAN
      min: number
    }
  ]
}

```

```

        max:          number
        stepsize:     number
        pattern:      string
        readOnly:     boolean
        multiple:     boolean
        multipleLimit: integer (int32)
        groupName:   string
        advanced:     boolean
        verify:       boolean
        limitToOptions: boolean
        unit:         string
        unitLabel:   string
        options:      ▼ [ []
                      ▼ { []
                        label: string
                        value: string
                      }
                    ]
        filterCriteria: ▼ [ []
                        ▼ { []
                          value: string
                          name: string
                        }
                      ]
    }
]
templateUID: string
uid:         string
name:        string
tags:        ▼ [ [] (0..∞) ◆
              string
            ]
visibility:  string
            Enum:  VISIBLE , HIDDEN , EXPERT
description: string
status:     ▼ { []
            status: string
                Enum:  UNINITIALIZED , INITIALIZING , IDLE , RUNNING
            statusDetail: string
                Enum:  NONE , HANDLER_MISSING_ERROR , HANDLER_INITIALIZING_ERROR ,
                CONFIGURATION_ERROR , TEMPLATE_MISSING_ERROR , INVALID_RULE , DISABLED
            description: string
        }
editable:   boolean
}

```

Status: 404 - Rule not found

getRuleConditions

Gets the rule conditions.

```
/rules/{ruleUID}/conditions
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/rules/{ruleUID}/conditions"
```

Parameters

Path parameters

Name	Description
ruleUID*	String <i>ruleUID</i> Required

Responses

Status: 200 - OK

Schema

```
▼ [ {}  
  ▼ { {}  
    id:      string  
    label:   string  
    description: string  
    configuration: ▼ { {}  
                  }  
    type:    string  
    inputs:  ▼ { {}  
            }  
  }  
]
```

Status: 404 - Rule corresponding to the given UID does not found.

getRuleConfiguration

Gets the rule configuration values.

GET

```
/rules/{ruleUID}/config
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/rules/{ruleUID}/config"
```

Parameters

Path parameters

Name	Description
ruleUID*	String <i>ruleUID</i> Required

Responses

Status: 200 - OK

Schema

string

Status: 404 - Rule corresponding to the given UID does not found.

getRuleModuleById

Gets the rule's module corresponding to the given Category and ID.

GET

```
/rules/{ruleUID}/{moduleCategory}/{id}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/rules/{ruleUID}/{moduleCategory}/{id}"
```

Parameters

Path parameters

Name	Description
ruleUID*	String <i>ruleUID</i> Required
moduleCategory*	String <i>moduleCategory</i> Required
id*	String <i>id</i> Required

Responses

Status: 200 - OK

Schema

▼ { []

id: string
label: string
description: string

```
configuration: ▼ { []
  }
type:          string
}
```

Status: 404 - Rule corresponding to the given UID does not found or does not have a module with such Category and ID.

getRuleModuleConfig

Gets the module's configuration.

GET

```
/rules/{ruleUID}/{moduleCategory}/{id}/config
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET \
-H "Accept: application/json" \
"/rest/rules/{ruleUID}/{moduleCategory}/{id}/config"
```

Parameters

Path parameters

Name	Description
ruleUID*	String <i>ruleUID</i> Required
moduleCategory*	String <i>moduleCategory</i> Required
id*	String <i>id</i> Required

Responses

Status: 200 - OK

Schema

```
string
```

Status: 404 - Rule corresponding to the given UID does not found or does not have a module with such Category and ID.

getRuleModuleConfigParameter

Gets the module's configuration parameter.

GET

```
/rules/{ruleUID}/{moduleCategory}/{id}/config/{param}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
\  
-H "Accept: text/plain\  
"/rest/rules/{ruleUID}/{moduleCategory}/{id}/config/{param}"
```

Parameters

Path parameters

Name	Description
ruleUID*	String <i>ruleUID</i> Required
moduleCategory*	String <i>moduleCategory</i> Required
id*	String <i>id</i> Required
param*	String <i>param</i> Required

Responses

Status: 200 - OK

Schema

```
string
```

Status: 404 - Rule corresponding to the given UID does not found or does not have a module with such Category and ID.

getRuleTriggers

Gets the rule triggers.

GET

```
/rules/{ruleUID}/triggers
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/rules/{ruleUID}/triggers"
```

Parameters

Path parameters

Name	Description
ruleUID*	String <i>ruleUID</i> Required

Responses

Status: 200 - OK

Schema

```
▼ [ []
  ▼ { []
    id:          string
    label:       string
    description: string
    configuration: ▼ { []
                  }
    type:        string
  }
]
```

Status: 404 - Rule corresponding to the given UID does not found.

getRules

Get available rules, optionally filtered by tags and/or prefix.

GET

/rules

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET \
  -H "Accept: application/json" \
  "/rest/rules?prefix=&tags=&summary="
```

Parameters

Query parameters

Name	Description
prefix	String
tags	array[String]
summary	Boolean <i>summary fields only</i>

Responses

Status: 200 - OK

Schema

▼ []

▼ { }

triggers:

▼ []

▼ { }

id: string
label: string
description: string
configuration: ▼ { }
type: string

}

]

conditions:

▼ []

▼ { }

id: string
label: string
description: string
configuration: ▼ { }
type: string
inputs: ▼ { }

}

]

actions:

▼ []

▼ { }

id: string
label: string
description: string
configuration: ▼ { }
type: string
inputs: ▼ { }

}

]

configuration:

▼ { }

}

configDescriptions: ▼ []

▼ { }

context: string
defaultValue: string
description: string
label: string
name: string
required: boolean
type: string
Enum: TEXT, INTEGER, DECIMAL, BOOLEAN
min: number
max: number
stepsize: number
pattern: string
readOnly: boolean
multiple: boolean
multipleLimit: integer (int32)
groupName: string


```

    advanced:      boolean
    verify:        boolean
    limitToOptions: boolean
    unit:          string
    unitLabel:     string
    options:       ▼ [ []
                  ▼ { []
                    label: string
                    value: string
                  }
                ]
    filterCriteria: ▼ [ []
                  ▼ { []
                    value: string
                    name: string
                  }
                ]
  }
]
templateUID: string
uid:         string
name:        string
tags:        ▼ [ [] (0..∞) ◆
             string
           ]
visibility:   string
             Enum:  VISIBLE, HIDDEN, EXPERT
description:  string
status:       ▼ { []
              status: string
                Enum:  UNINITIALIZED, INITIALIZING, IDLE, RUNNING
              statusDetail: string
                Enum:  NONE, HANDLER_MISSING_ERROR, HANDLER_INITIALIZING_ERROR,
                    CONFIGURATION_ERROR, TEMPLATE_MISSING_ERROR, INVALID_RULE, DISABLED
              description: string
            }
editable:    boolean
}
]

```

getScheduleRuleSimulations

Simulates the executions of rules filtered by tag 'Schedule' within the given times.

GET

```
/rules/schedule/simulations
```

Usage and SDK Samples

[Curl](#)
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[C#](#)
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[Perl](#)
[Python](#)


```

        advanced:    boolean
        stepSize:   number
        verifyable: boolean
        minimum:    number
        maximum:    number
        default:    string
    }
]
triggers:
  ▼ [ ]
  ▼ { [ ]
    typeUID:    string
    label:      string
    configuration: ▼ { [ ]
      properties: ▼ { [ ]
      }
    }
    description: string
    id:          string
  }
]
visibility:
string
Enum:  [VISIBLE], [HIDDEN], [EXPERT]
modules:
  ▼ [ ]
  ▼ { [ ]
    typeUID:    string
    label:      string
    configuration: ▼ { [ ]
      properties: ▼ { [ ]
      }
    }
    description: string
    id:          string
  }
]
conditions:
  ▼ [ ]
  ▼ { [ ]
    inputs:     ▼ { [ ]
    }
    typeUID:    string
    label:      string
    configuration: ▼ { [ ]
      properties: ▼ { [ ]
      }
    }
    description: string
    id:          string
  }
]
configuration:
  ▼ { [ ]
    properties: ▼ { [ ]
    }
  }
description:
string
name:
string
actions:
  ▼ [ ]
  ▼ { [ ]
    inputs:     ▼ { [ ]
    }

```

```

    typeUID: string
    label: string
    configuration: {
      properties: {
      }
    }
    description: string
    id: string
  }
}
]
}
]

```

Status: 400 - The max. simulation duration of 180 days is exceeded.

runRuleNow

Executes actions of the rule.

POST

```
/rules/{ruleUID}/runnow
```

Usage and SDK Samples

[Curl](#)
[Java](#)
[Android](#)
[Obj-C](#)
[JavaScript](#)
[C#](#)
[PHP](#)
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[Python](#)

```

curl -X POST \
  "/rest/rules/{ruleUID}/runnow"

```

Parameters

Path parameters

Name	Description
ruleUID*	String <i>ruleUID</i> Required

Responses

Status: 200 - OK

Status: 404 - Rule corresponding to the given UID does not found.

setRuleModuleConfigParameter

Sets the module's configuration parameter value.

PUT

```
/rules/{ruleUID}/{moduleCategory}/{id}/config/{param}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X PUT \
-H "Content-Type: text/plain" \
"/rest/rules/{ruleUID}/{moduleCategory}/{id}/config/{param}"
```

Parameters

Path parameters

Name	Description
ruleUID*	String <i>ruleUID</i> Required
moduleCategory*	String <i>moduleCategory</i> Required
id*	String <i>id</i> Required
param*	String <i>param</i> Required

Body parameters

Name	Description
body *	string

Responses

Status: 200 - OK

Status: 404 - Rule corresponding to the given UID does not found or does not have a module with such Category and ID.

updateRule

Updates an existing rule corresponding to the given UID.

PUT

```
/rules/{ruleUID}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X PUT \
-H "Content-Type: application/json" \
"/rest/rules/{ruleUID}"
```

Parameters

Path parameters

Name	Description
------	-------------

ruleUID*	String <i>ruleUID</i> Required
----------	--------------------------------------

Body parameters

Name	Description
------	-------------

body *

```
▼ { []
  triggers: ▼ [ []
    ▼ { []
      id: string
      label: string
      description: string
      configuration: ▼ { []
        }
      type: string
    }
  ]
  conditions: ▼ [ []
    ▼ { []
      id: string
      label: string
      description: string
      configuration: ▼ { []
        }
      type: string
      inputs: ▼ { []
        }
    }
  ]
  actions: ▼ [ []
    ▼ { []
      id: string
      label: string
      description: string
      configuration: ▼ { []
        }
      type: string
      inputs: ▼ { []
        }
    }
  ]
  configuration: ▼ { []
  }
  configDescriptions: ▼ [ []
    ▼ { []
      context: string
      defaultValue: string
      description: string
      label: string
      name: string
      required: boolean
      type: string
      Enum: TEXT , INTEGER , DECIMAL , BOOLEAN
      min: number
      max: number
      stepsize: number
      pattern: string
      readOnly: boolean
      multiple: boolean
      multipleLimit: integer (int32)
      groupName: string
      advanced: boolean
      verify: boolean
    }
  ]
}
```

```

    limitToOptions: boolean
    unit: string
    unitLabel: string
    options:
      ▼ [ [] ]
        ▼ { [] }
          label: string
          value: string
        }
      ]
    filterCriteria:
      ▼ [ [] ]
        ▼ { [] }
          value: string
          name: string
        }
      ]
  }
]
templateUID: string
uid: string
name: string
tags:
  ▼ [ [] ] (0..∞) ◆
    string
  ]
visibility: string
  Enum: [VISIBLE, HIDDEN, EXPERT]
description: string
}

```

Responses

Status: 200 - OK

Status: 404 - Rule corresponding to the given UID does not found.

updateRuleConfiguration

Sets the rule configuration values.

PUT

```
/rules/{ruleUID}/config
```

Usage and SDK Samples

[Curl](#)
[Java](#)
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[Python](#)

```

curl -X PUT \
  -H "Content-Type: application/json" \
  "/rest/rules/{ruleUID}/config"

```

Parameters

Path parameters

Name	Description
ruleUID*	String <i>ruleUID</i> Required

Body parameters

Name	Description
body	▼ { [] }

Responses

Status: 200 - OK

Status: 404 - Rule corresponding to the given UID does not found.

Services

deleteServiceConfig

Deletes a service configuration for given service ID and returns the old configuration.

DELETE

```
/services/{serviceId}/config
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X DELETE\  
\  
-H "Accept: application/json\  
"/rest/services/{serviceId}/config"
```

Parameters

Path parameters

Name	Description
serviceId*	String <i>service ID</i> Required

Responses

Status: 200 - OK

Schema

```
string
```

Status: 204 - No old configuration

Status: 500 - Configuration can not be deleted due to internal error

getServiceConfig

Get service configuration for given service ID.

GET

```
/services/{serviceId}/config
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/services/{serviceId}/config"
```

Parameters

Path parameters

Name	Description
serviceId*	String <i>service ID</i> Required

Responses

Status: 200 - OK

[Schema](#)

```
string
```

Status: 500 - Configuration can not be read due to internal error

getServiceContext

Get existing multiple context service configurations for the given factory PID.

GET

```
/services/{serviceId}/contexts
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/services/{serviceId}/contexts"
```

Parameters

Path parameters

Name	Description
serviceId*	String <i>service ID</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ [ {}
  ▼ { {}
    id:          string
    label:       string
    category:    string
    configDescriptionURI: string
    multiple:    boolean
  }
]
```

getServices

Get all configurable services.

GET

```
/services
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET \
-H "Accept: application/json" \
"/rest/services"
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ [ {}
  ▼ { {}
    id:          string
    label:       string
    category:    string
    configDescriptionURI: string
```

```
    multiple:      boolean
  }
]
```

getServiceById

Get configurable service for given service ID.

GET

```
/services/{serviceId}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X GET \
-H "Accept: application/json" \
"/rest/services/{serviceId}"
```

Parameters

Path parameters

Name	Description
serviceId*	String <i>service ID</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ { []
  id:      string
  label:   string
  category: string
  configDescriptionURI: string
  multiple: boolean
}
```

Status: 404 - Not found

updateServiceConfig

Updates a service configuration for given service ID and returns the old configuration.

PUT

```
/services/{serviceId}/config
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X PUT \  
 \  
 -H "Accept: application/json" \  
 -H "Content-Type: application/json" \  
 "/rest/services/{serviceId}/config"
```

Parameters

Path parameters

Name	Description
serviceId*	String <i>service ID</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Body parameters

Name	Description
body	▼ { [] }

Responses

Status: 200 - OK

[Schema](#)

```
string
```

Status: 204 - No old configuration

Status: 500 - Configuration can not be updated due to internal error

Sitemaps

createSitemapEventSubscription

Creates a sitemap event subscription.

POST

```
/sitemaps/events/subscribe
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X POST\  
"/rest/sitemaps/events/subscribe"
```

Parameters

Responses

Status: 201 - Subscription created.

Status: 503 - Subscriptions limit reached.

getSitemapByName

Get sitemap by name.

GET

```
/sitemaps/{sitemapname}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X GET\  
-H "Accept: application/json\  
"/rest/sitemaps/{sitemapname}?type=&jsoncallback=&includeHidden="
```

Parameters

Path parameters

Name	Description
sitemapname*	String <i>sitemap name</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Query parameters

Name	Description
type	String
jsoncallback	String
includeHidden	Boolean <i>include hidden widgets</i>

Responses

Status: 200 - OK

[Schema](#)

getSitemapEvents

Get sitemap events.

GET

```
/sitemaps/events/{subscriptionid}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X GET\  
"/rest/sitemaps/events/{subscriptionid}?sitemap=&pageid="
```

Parameters

Path parameters

Name	Description
subscriptionid*	String <i>subscription id</i> Required

Query parameters

Name	Description
sitemap	String <i>sitemap name</i>
pageid	String <i>page id</i>

Responses

Status: 200 - OK

Status: 400 - Page not linked to the subscription.

Status: 404 - Subscription not found.

getSitemaps

Get all available sitemaps.

GET

```
/sitemaps
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X GET\  
-H "Accept: application/json\  
"/rest/sitemaps"
```

Parameters

Responses

Status: 200 - OK

[Schema](#)

pollDataForSitemap

Polls the data for a sitemap.

GET

```
/sitemaps/{sitemapname}/{pageid}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: application/json\  
"/rest/sitemaps/{sitemapname}/{pageid}?subscriptionid=&includeHidden="
```

Parameters

Path parameters

Name	Description
sitemapname*	String <i>sitemap name</i> Required
pageid*	String <i>page id</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Query parameters

Name	Description
subscriptionid	String <i>subscriptionid</i>
includeHidden	Boolean <i>include hidden widgets</i>

Responses

Status: 200 - OK

Schema

Status: 400 - Invalid subscription id has been provided.

Status: 404 - Sitemap with requested name does not exist or page does not exist, or page refers to a non-linkable widget

Systeminfo

getSystemInformation

Gets information about the system.

```
/systeminfo
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
\  
-H "Accept: application/json\  
"/rest/systeminfo"
```

Parameters

Responses

Status: 200 - OK

Schema

```
▼ { []  
  systemInfo: ▼ { []  
    configFolder: string  
    userDataFolder: string  
    logFolder: string  
    javaVersion: string  
    javaVendor: string  
    javaVendorVersion: string  
    osName: string  
    osVersion: string  
    osArchitecture: string  
    availableProcessors: integer (int32)  
    freeMemory: integer (int64)  
    totalMemory: integer (int64)  
    startLevel: integer (int32)  
  }  
}
```

Templates

getTemplateById

Gets a template corresponding to the given UID.

GET

```
/templates/{templateUID}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: application/json\  
"/rest/templates/{templateUID}"
```

Parameters

Path parameters

Name	Description
templateUID*	String <i>templateUID</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ { []  
  uid:      string  
  tags:     ▼[ [] (0..∞) ◆  
            string  
            ]  
  label:    string  
  visibility: string  
            Enum:  VISIBLE , HIDDEN , EXPERT  
  description: string  
}
```

Status: 404 - Template corresponding to the given UID does not found.

getTemplates

Get all available templates.

GET

```
/templates
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: application/json\  
"/rest/templates"
```

Parameters

Header parameters

Name	Description
------	-------------

Accept-Language	String <i>language</i>
-----------------	---------------------------

Responses

Status: 200 - OK

Schema

```
▼ [ []
  ▼ { []
    uid: string
    tags: ▼ [ [] (0..∞) ◆
           string
         ]
    label: string
    visibility: string
              Enum: [VISIBLE, HIDDEN, EXPERT]
    description: string
  }
]
```

ThingTypes

getThingTypeById

Gets thing type by UID.

GET

```
/thing-types/{thingTypeUID}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\
-H "Accept: application/json"\
"/rest/thing-types/{thingTypeUID}"
```

Parameters

Path parameters

Name	Description
thingTypeUID*	String <i>thingTypeUID</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - Thing type with provided thingTypeUID does not exist.

Schema

```
▼ { []
  UID: string
  label: string
  description: string
  category: string
  listed: boolean
  supportedBridgeTypeUIDs: ▼[ []
    string
  ]
  bridge: boolean
  channels: ▼[ []
    ▼ { []
      description: string
      id: string
      label: string
      tags: ▼[ [] (0..∞) ◆
        string
      ]
      properties: ▼ { []
      }
      category: string
      stateDescription: ▼ { []
        minimum: number
        maximum: number
        step: number
        pattern: string
        readOnly: boolean
        options: ▼[ []
          ▼ { []
            value: string
            label: string
          }
        ]
      }
    }
    advanced: boolean
    typeUID: string
  }
]
channelGroups: ▼[ []
  ▼ { []
    id: string
    description: string
    label: string
    channels: ▼[ []
      ▼ { []
        description: string
        id: string
        label: string
        tags: ▼[ [] (0..∞) ◆
          string
        ]
        properties: ▼ { []
        }
        category: string
      }
    ]
  }
]
```

```

stateDescription: ▼ { []
  minimum: number
  maximum: number
  step: number
  pattern: string
  readOnly: boolean
  options: ▼ [ []
    ▼ { []
      value: string
      label: string
    }
  ]
}
advanced: boolean
typeUID: string
}
]
}
]
configParameters: ▼ [ []
  ▼ { []
    context: string
    defaultValue: string
    description: string
    label: string
    name: string
    required: boolean
    type: string
      Enum: TEXT, INTEGER, DECIMAL, BOOLEAN
    min: number
    max: number
    stepsize: number
    pattern: string
    readOnly: boolean
    multiple: boolean
    multipleLimit: integer (int32)
    groupName: string
    advanced: boolean
    verify: boolean
    limitToOptions: boolean
    unit: string
    unitLabel: string
    options: ▼ [ []
      ▼ { []
        label: string
        value: string
      }
    ]
    filterCriteria: ▼ [ []
      ▼ { []
        value: string
        name: string
      }
    ]
  }
]
}
]

```

```

parameterGroups:
  - {
    name: string
    context: string
    advanced: boolean
    label: string
    description: string
  }
properties:
  {}
extensibleChannelTypeIds:
  - string
}

```

Status: 404 - No content

getThingTypes

Gets all available thing types without config description, channels and properties.

GET

```
/thing-types
```

Usage and SDK Samples

[Curl](#)
[Java](#)
[Android](#)
[Obj-C](#)
[JavaScript](#)
[C#](#)
[PHP](#)
[Perl](#)
[Python](#)

```

curl -X GET\
-H "Accept: application/json"\
"/rest/thing-types?bindingId="

```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Query parameters

Name	Description
bindingId	String <i>filter by binding Id</i>

Responses

Status: 200 - OK

Schema

```

▼ [ ] (0..∞) ◆
  ▼ { []
    UID: string
    label: string
  }

```

```
description:      string
category:        string
listed:          boolean
supportedBridgeTypeUIDs: ▼[ []
                  string
                  ]
bridge:          boolean
}
]
```

Things

createThingInRegistry

Creates a new thing and adds it to the registry.

POST

```
/things
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X POST\
\
-H "Accept: */*"
-H "Content-Type: application/json"
"/rest/things"
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Body parameters

Name	Description
------	-------------


```

    ]
    properties:      ▼ { []
                    }
    configuration:  ▼ { []
                    }
    autoUpdatePolicy: string
    linkedItems:    ▼ [ [] (0..∞) ◆
                    string
                    ]
  }
}
statusInfo: ▼ { []
  status: string
        Enum: UNINITIALIZED, INITIALIZING, UNKNOWN, ONLINE, OFFLINE, REMOVING,
              REMOVED
  statusDetail: string
        Enum: NONE, HANDLER_MISSING_ERROR, HANDLER_REGISTERING_ERROR,
              HANDLER_INITIALIZING_ERROR, HANDLER_CONFIGURATION_PENDING, CONFIGURATION_PENDING,
              COMMUNICATION_ERROR, CONFIGURATION_ERROR, BRIDGE_OFFLINE, FIRMWARE_UPDATING,
              DUTY_CYCLE, BRIDGE_UNINITIALIZED, GONE, DISABLED
  description: string
}
firmwareStatus: ▼ { []
  status: string
  updatableVersion: string
}
editable: boolean
}

```

Status: 400 - A uid must be provided, if no binding can create a thing of this type.

Status: 409 - A thing with the same uid already exists.

enableThing

Sets the thing enabled status.

PUT

```
/things/{thingUID}/enable
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X PUT \
  -H "Accept: */*" \
  -H "Content-Type: text/plain" \
  "/rest/things/{thingUID}/enable"
```

Parameters

Path parameters

Name	Description
------	-------------

thingUID*	String <i>thing</i> Required
-----------	------------------------------------

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Body parameters

Name	Description
body	string

Responses

Status: 200 - OK

Schema

```

▼ { []
  label: string
  bridgeUID: string
  configuration: ▼ { []
    }
  properties: ▼ { []
    }
  UID: string
  thingTypeUID: string
  location: string
  channels: ▼ [ []
    ▼ { []
      uid: string
      id: string
      channelTypeUID: string
      itemType: string
      kind: string
      label: string
      description: string
      defaultTags: ▼ [ [] (0..∞) ◆
        string
      ]
      properties: ▼ { []
        }
      configuration: ▼ { []
        }
      autoUpdatePolicy: string
      linkedItems: ▼ [ [] (0..∞) ◆
        string
      ]
    }
  ]
  statusInfo: ▼ { []
    status: string
      Enum: UNINITIALIZED, INITIALIZING, UNKNOWN, ONLINE, OFFLINE, REMOVING,
        REMOVED
    statusDetail: string
      Enum: NONE, HANDLER_MISSING_ERROR, HANDLER_REGISTERING_ERROR,
        HANDLER_INITIALIZING_ERROR, HANDLER_CONFIGURATION_PENDING, CONFIGURATION_PENDING,
        COMMUNICATION_ERROR, CONFIGURATION_ERROR, BRIDGE_OFFLINE, FIRMWARE_UPDATING,
        DUTY_CYCLE, BRIDGE_UNINITIALIZED, GONE, DISABLED
  }
}

```

```
        description: string
      }
    firmwareStatus: ▼ { []
      status: string
      updatableVersion: string
    }
    editable: boolean
  }
```

Status: 404 - Thing not found.

getAvailableFirmwaresForThing

Get all available firmwares for provided thing UID

GET

```
/things/{thingUID}/firmwares
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET \
-H "Accept: application/json" \
"/rest/things/{thingUID}/firmwares"
```

Parameters

Path parameters

Name	Description
thingUID*	String <i>thingUID</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ [ [] (0..∞) ◆
  ▼ { []
    thingTypeUID: string
    vendor: string
    model: string
    modelRestricted: boolean
    description: string
    version: string
    changelog: string
```

```
    prerequisiteVersion: string
  }
]
```

Status: 204 - No firmwares found.

getThingById

Gets thing by UID.

GET

```
/things/{thingUID}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET \
-H "Accept: application/json" \
"/rest/things/{thingUID}"
```

Parameters

Path parameters

Name	Description
thingUID*	String <i>thingUID</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ { []
  label: string
  bridgeUID: string
  configuration: ▼ { []
  }
  properties: ▼ { []
  }
  UID: string
  thingTypeUID: string
  location: string
  channels: ▼ [ []
    ▼ { []
      uid: string
      id: string
    }
  ]
}
```

```

channelTypeUID: string
itemType: string
kind: string
label: string
description: string
defaultTags: ▼ [ [] (0..∞) ◆
  string
]
properties: ▼ { []
}
configuration: ▼ { []
}
autoUpdatePolicy: string
linkedItems: ▼ [ [] (0..∞) ◆
  string
]
}
]
statusInfo: ▼ { []
  status: string
  Enum: UNINITIALIZED, INITIALIZING, UNKNOWN, ONLINE, OFFLINE, REMOVING,
  REMOVED
  statusDetail: string
  Enum: NONE, HANDLER_MISSING_ERROR, HANDLER_REGISTERING_ERROR,
  HANDLER_INITIALIZING_ERROR, HANDLER_CONFIGURATION_PENDING, CONFIGURATION_PENDING,
  COMMUNICATION_ERROR, CONFIGURATION_ERROR, BRIDGE_OFFLINE, FIRMWARE_UPDATING,
  DUTY_CYCLE, BRIDGE_UNINITIALIZED, GONE, DISABLED
  description: string
}
firmwareStatus: ▼ { []
  status: string
  updatableVersion: string
}
editable: boolean
}

```

Status: 404 - Thing not found.

getThingConfigStatus

Gets thing config status.

GET

```
/things/{thingUID}/config/status
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET \
-H "Accept: application/json" \
"/rest/things/{thingUID}/config/status"
```

Parameters

Path parameters

Name	Description
thingUID*	String <i>thing</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ [ []
  ▼ { []
    parameterName: string
    type:           string
                   Enum: INFORMATION, WARNING, ERROR, PENDING
    message:       string
    statusCode:    integer (int32)
  }
]
```

Status: 404 - Thing not found.

getThingFirmwareStatus

Gets thing's firmware status.

GET

```
/things/{thingUID}/firmware/status
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET \
-H "Accept: */*" \
"/rest/things/{thingUID}/firmware/status"
```

Parameters

Path parameters

Name	Description
thingUID*	String <i>thing</i> Required

Header parameters

Name	Description
------	-------------

Accept-Language	String <i>language</i>
-----------------	---------------------------

Responses

Status: 200 - OK

Schema

```
▼ { []
  status:          string
  updatableVersion: string
}
```

Status: 204 - No firmware status provided by this Thing.

getThingStatus

Gets thing status.

GET

```
/things/{thingUID}/status
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET \
-H "Accept: application/json" \
"/rest/things/{thingUID}/status"
```

Parameters

Path parameters

Name	Description
thingUID*	String <i>thing</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ { []
  status:          string
                  Enum: UNINITIALIZED, INITIALIZING, UNKNOWN, ONLINE, OFFLINE, REMOVING, REMOVED
  statusDetail: string
                  Enum: NONE, HANDLER_MISSING_ERROR, HANDLER_REGISTERING_ERROR, HANDLER_INITIALIZING_ERROR,
                        HANDLER_CONFIGURATION_PENDING, CONFIGURATION_PENDING, COMMUNICATION_ERROR, CONFIGURATION_ERROR,
```


BRIDGE_OFFLINE, FIRMWARE_UPDATING, DUTY_CYCLE, BRIDGE_UNINITIALIZED, GONE, DISABLED

```
description: string
}
```

Status: 404 - Thing not found.

getThings

Get all available things.

GET

```
/things
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET \
-H "Accept: application/json" \
"/rest/things?summary="
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Query parameters

Name	Description
summary	Boolean <i>summary fields only</i>

Responses

Status: 200 - OK

Schema

```
▼ [ ] (0..∞) ◆
  ▼ { [ ]
    label: string
    bridgeUID: string
    configuration: ▼ { [ ]
      }
    properties: ▼ { [ ]
      }
    UID: string
    thingTypeUID: string
    location: string
    channels: ▼ [ [ ]
      ▼ { [ ]
        uid: string
        id: string
```

```

channelTypeUID: string
itemType: string
kind: string
label: string
description: string
defaultTags: ▼ [ [] (0..∞) ◆
  string
]
properties: ▼ { []
}
configuration: ▼ { []
}
autoUpdatePolicy: string
linkedItems: ▼ [ [] (0..∞) ◆
  string
]
}
]
statusInfo: ▼ { []
  status: string
  Enum: UNINITIALIZED, INITIALIZING, UNKNOWN, ONLINE, OFFLINE, REMOVING,
  REMOVED
  statusDetail: string
  Enum: NONE, HANDLER_MISSING_ERROR, HANDLER_REGISTERING_ERROR,
  HANDLER_INITIALIZING_ERROR, HANDLER_CONFIGURATION_PENDING,
  CONFIGURATION_PENDING, COMMUNICATION_ERROR, CONFIGURATION_ERROR,
  BRIDGE_OFFLINE, FIRMWARE_UPDATING, DUTY_CYCLE, BRIDGE_UNINITIALIZED, GONE,
  DISABLED
  description: string
}
firmwareStatus: ▼ { []
  status: string
  updatableVersion: string
}
editable: boolean
}
]

```

removeThingById

Removes a thing from the registry. Set 'force' to `__true__` if you want the thing to be removed immediately.

DELETE

```
/things/{thingUID}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X DELETE \
"/rest/things/{thingUID}?force="
```

Parameters

Path parameters

Name	Description
thingUID*	String <i>thingUID</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Query parameters

Name	Description
force	Boolean <i>force</i>

Responses

Status: 200 - OK, was deleted.

Status: 202 - ACCEPTED for asynchronous deletion.

Status: 404 - Thing not found.

Status: 409 - Thing could not be deleted because it's not editable.

updateThing

Updates a thing.

PUT

```
/things/{thingUID}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X PUT\  
\  
-H "Accept: */*"\  
-H "Content-Type: application/json"\  
"/rest/things/{thingUID}"
```

Parameters

Path parameters

Name	Description
thingUID*	String <i>thingUID</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Body parameters

Name	Description
------	-------------


```

    ]
    properties:      ▼ { []
                    }
    configuration:   ▼ { []
                    }
    autoUpdatePolicy: string
    linkedItems:     ▼ [ [] (0..∞) ◆
                    string
                    ]
  }
]
statusInfo: ▼ { []
  status:      string
              Enum: UNINITIALIZED, INITIALIZING, UNKNOWN, ONLINE, OFFLINE, REMOVING,
                    REMOVED
  statusDetail: string
              Enum: NONE, HANDLER_MISSING_ERROR, HANDLER_REGISTERING_ERROR,
                    HANDLER_INITIALIZING_ERROR, HANDLER_CONFIGURATION_PENDING, CONFIGURATION_PENDING,
                    COMMUNICATION_ERROR, CONFIGURATION_ERROR, BRIDGE_OFFLINE, FIRMWARE_UPDATING,
                    DUTY_CYCLE, BRIDGE_UNINITIALIZED, GONE, DISABLED
  description: string
}
firmwareStatus: ▼ { []
  status:      string
  updatableVersion: string
}
editable:      boolean
}

```

Status: 404 - Thing not found.

Status: 409 - Thing could not be updated as it is not editable.

updateThingConfig

Updates thing's configuration.

PUT

```
/things/{thingUID}/config
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X PUT \
  -H "Accept: */*" \
  -H "Content-Type: application/json" \
  "/rest/things/{thingUID}/config"
```

Parameters

Path parameters

Name	Description
------	-------------

thingUID*	String <i>thing</i> Required
-----------	------------------------------------

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Body parameters

Name	Description
body	▼ { [] }

Responses

Status: 200 - OK

Schema

```

▼ { []
  label: string
  bridgeUID: string
  configuration: ▼ { []
    }
  properties: ▼ { []
    }
  UID: string
  thingTypeUID: string
  location: string
  channels: ▼ [ []
    ▼ { []
      uid: string
      id: string
      channelTypeUID: string
      itemType: string
      kind: string
      label: string
      description: string
      defaultTags: ▼ [ [] (0..∞) ◆
        string
      ]
      properties: ▼ { []
        }
      configuration: ▼ { []
        }
      autoUpdatePolicy: string
      linkedItems: ▼ [ [] (0..∞) ◆
        string
      ]
    }
  ]
  statusInfo: ▼ { []
    status: string
      Enum: UNINITIALIZED, INITIALIZING, UNKNOWN, ONLINE, OFFLINE, REMOVING,
        REMOVED
    statusDetail: string
      Enum: NONE, HANDLER_MISSING_ERROR, HANDLER_REGISTERING_ERROR,
        HANDLER_INITIALIZING_ERROR, HANDLER_CONFIGURATION_PENDING, CONFIGURATION_PENDING,
        COMMUNICATION_ERROR, CONFIGURATION_ERROR, BRIDGE_OFFLINE, FIRMWARE_UPDATING,

```

DUTY_CYCLE, BRIDGE_UNINITIALIZED, GONE, DISABLED

```
    description: string
  }
  firmwareStatus: ▼ { []
    status: string
    updatableVersion: string
  }
  editable: boolean
}
```

Status: 400 - Configuration of the thing is not valid.

Status: 404 - Thing not found

Status: 409 - Thing could not be updated as it is not editable.

updateThingFirmware

Update thing firmware.

PUT

```
/things/{thingUID}/firmware/{firmwareVersion}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X PUT \
"/rest/things/{thingUID}/firmware/{firmwareVersion}"
```

Parameters

Path parameters

Name	Description
thingUID*	String <i>thing</i> Required
firmwareVersion*	String <i>version</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Status: 400 - Firmware update preconditions not satisfied.

Status: 404 - Thing not found.

Transformations

deleteTransformationConfiguration

Get a single transformation configuration

DELETE

```
/transformations/configurations/{uid}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X DELETE\  
\  
"/rest/transformations/configurations/{uid}"
```

Parameters

Path parameters

Name	Description
uid*	String <i>Configuration UID</i> Required

Responses

Status: 200 - OK

Status: 404 - UID not found

Status: 405 - Configuration not editable

getTransformationConfiguration

Get a single transformation configuration

GET

```
/transformations/configurations/{uid}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X GET\  
\  
-H "Accept: application/json"\  
"/rest/transformations/configurations/{uid}"
```

Parameters

Path parameters

Name	Description
------	-------------

uid*

String

Configuration UID
Required

Responses

Status: 200 - OK

Schema

```
▼ { []  
  uid:      string  
  label:    string  
  type:     string  
  language: string  
  content:  string  
}
```

Status: 404 - Not found

getTransformationConfigurations

Get a list of all transformation configurations

GET

```
/transformations/configurations
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X GET \  
  -H "Accept: application/json" \  
  "/rest/transformations/configurations"
```

Parameters

Responses

Status: 200 - OK

Schema

```
▼ [ []  
  ▼ { []  
    uid:      string  
    label:    string  
    type:     string  
    language: string  
    content:  string  
    editable: boolean  
  }  
]
```

putTransformationConfiguration

Get a single transformation configuration

PUT

```
/transformations/configurations/{uid}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X PUT \  
  -H "Content-Type: application/json" \  
  "/rest/transformations/configurations/{uid}"
```

Parameters

Path parameters

Name	Description
uid*	String Configuration UID Required

Body parameters

Name	Description
body *	▼ { [] uid: string label: string type: string language: string content: string editable: boolean }

Responses

Status: 200 - OK

Status: 400 - Bad Request (content missing or invalid)

Status: 405 - Configuration not editable

Ui

addUIComponentToNamespace

Add an UI component in the specified namespace.

POST

```
/ui/components/{namespace}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X POST\  
\  
-H "Accept: application/json\  
-H "Content-Type: application/json\  
"/rest/ui/components/{namespace}"
```

Parameters

Path parameters

Name	Description
namespace*	String Required

Body parameters

Name	Description
------	-------------

body

```
▼ { []
  component: string
  config: ▼ { []
    }
  slots: ▼ { []
    }
  uid: string
  tags: ▼ [ [] (0..∞) ◆
    string
  ]
  props: ▼ { []
    uri: string
    parameters: ▶ [ []
    parameterGroups: ▶ [ []
    }
  timestamp: string (date-time)
  type: string
}
```

Responses

Status: 200 - OK

Schema

```
▼ { []
  component: string
  config: ▼ { []
    }
  slots: ▼ { []
    }
  uid: string
  tags: ▼ [ [] (0..∞) ◆
    string
  ]
  props: ▼ { []
    uri: string
    parameters: ▼ [ []
      ▼ { []
        context: string
        defaultValue: string
        description: string
        label: string
        name: string
        required: boolean
        type: string
          Enum: TEXT, INTEGER, DECIMAL, BOOLEAN
        min: number
        max: number
        stepsize: number
        pattern: string
        readOnly: boolean
        multiple: boolean
        multipleLimit: integer (int32)
        groupName: string
        advanced: boolean
        verify: boolean
        limitToOptions: boolean
      }
    ]
  }
}
```

```

    unit: string
    unitLabel: string
    options: ▼ [ []
      ▼ { []
        label: string
        value: string
      }
    ]
    filterCriteria: ▼ [ []
      ▼ { []
        value: string
        name: string
      }
    ]
  }
]
parameterGroups: ▼ [ []
  ▼ { []
    name: string
    context: string
    advanced: boolean
    label: string
    description: string
  }
]
}
timestamp: string (date-time)
type: string
}

```

getRegisteredUIComponentsInNamespace

Get all registered UI components in the specified namespace.

GET

```
/ui/components/{namespace}
```

Usage and SDK Samples

[Curl](#)
[Java](#)
[Android](#)
[Obj-C](#)
[JavaScript](#)
[C#](#)
[PHP](#)
[Perl](#)
[Python](#)

```
curl -X GET \
-H "Accept: application/json" \
"/rest/ui/components/{namespace}?summary="
```

Parameters

Path parameters

Name	Description
namespace*	String Required

Query parameters

Name	Description
------	-------------

Responses**Status: 200 - OK**

Schema

```

▼ [ ]
  ▼ { [ ]
    component: string
    config: ▼ { [ ]
      }
    slots: ▼ { [ ]
      }
    uid: string
    tags: ▼ [ [ ] (0..∞) ◆
      string
    ]
    props: ▼ { [ ]
      uri: string
      parameters: ▼ [ [ ]
        ▼ { [ ]
          context: string
          defaultValue: string
          description: string
          label: string
          name: string
          required: boolean
          type: string
          Enum: TEXT , INTEGER , DECIMAL , BOOLEAN
          min: number
          max: number
          stepsize: number
          pattern: string
          readOnly: boolean
          multiple: boolean
          multipleLimit: integer (int32)
          groupName: string
          advanced: boolean
          verify: boolean
          limitToOptions: boolean
          unit: string
          unitLabel: string
          options: ▼ [ [ ]
            ▼ { [ ]
              label: string
              value: string
            }
          ]
        }
        filterCriteria: ▼ [ [ ]
          ▼ { [ ]
            value: string
            name: string
          }
        ]
      }
    }
  }
]

```

```

parameterGroups: ▼ [ []
  ▼ { []
    name: string
    context: string
    advanced: boolean
    label: string
    description: string
  }
]
timestamp: string (date-time)
type: string
}
]

```

getUIComponentInNamespace

Get a specific UI component in the specified namespace.

GET

```
/ui/components/{namespace}/{componentUID}
```

Usage and SDK Samples

[Curl](#)
[Java](#)
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[Obj-C](#)
[JavaScript](#)
[C#](#)
[PHP](#)
[Perl](#)
[Python](#)

```

curl -X GET\
-H "Accept: application/json"\
"/rest/ui/components/{namespace}/{componentUID}"

```

Parameters

Path parameters

Name	Description
namespace*	String Required
componentUID*	String Required

Responses

Status: 200 - OK

Schema

```

▼ { []
  component: string
  config: ▼ { []
  }
  slots: ▼ { []
  }
  uid: string
  tags: ▼ [ [] (0..∞) ◆
    string
  ]
}

```

```

props:
  uri: string
  parameters:
    -
      context: string
      defaultValue: string
      description: string
      label: string
      name: string
      required: boolean
      type: string
      Enum: TEXT, INTEGER, DECIMAL, BOOLEAN
      min: number
      max: number
      stepsize: number
      pattern: string
      readOnly: boolean
      multiple: boolean
      multipleLimit: integer (int32)
      groupName: string
      advanced: boolean
      verify: boolean
      limitToOptions: boolean
      unit: string
      unitLabel: string
      options:
        -
          label: string
          value: string
      filterCriteria:
        -
          value: string
          name: string
    }
  parameterGroups:
    -
      name: string
      context: string
      advanced: boolean
      label: string
      description: string
    }
  timestamp: string (date-time)
  type: string
}

```

Status: 404 - Component not found

getUITiles

Get all registered UI tiles.

GET

```
/ui/tiles
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X GET\  
-H "Accept: application/json\  
"/rest/ui/tiles"
```

Parameters

Responses

Status: 200 - OK

Schema

```
▼ [ []  
  ▼ { []  
    name: string  
    url: string  
    overlay: string  
    imageUrl: string  
  }  
]
```

removeUIComponentFromNamespace

Remove a specific UI component in the specified namespace.

DELETE

```
/ui/components/{namespace}/{componentUID}
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X DELETE\  
\  
"/rest/ui/components/{namespace}/{componentUID}"
```

Parameters

Path parameters

Name	Description
namespace*	String Required

componentUID*	String Required
---------------	--------------------

Responses

Status: 200 - OK

Status: 404 - Component not found

updateUIComponentInNamespace

Update a specific UI component in the specified namespace.

PUT

```
/ui/components/{namespace}/{componentUID}
```

Usage and SDK Samples

[Curl](#)
[Java](#)
[Android](#)
[Obj-C](#)
[JavaScript](#)
[C#](#)
[PHP](#)
[Perl](#)
[Python](#)

```
curl -X PUT \
-H "Accept: application/json" \
-H "Content-Type: application/json" \
"/rest/ui/components/{namespace}/{componentUID}"
```

Parameters

Path parameters

Name	Description
namespace*	String Required
componentUID*	String Required

Body parameters

Name	Description
body	<pre> ▼ { [] component: string config: ▼ { [] } slots: ▼ { [] } uid: string tags: ▼ [[] (0..∞) ◆ string] props: ▼ { [] uri: string parameters: ► [[] parameterGroups: ► [[] } timestamp: string (date-time) type: string } </pre>

Responses

Schema

```
▼ { []
  component: string
  config: ▼ { []
    }
  slots: ▼ { []
    }
  uid: string
  tags: ▼[ [] (0..∞) ♦
    string
  ]
  props: ▼ { []
    uri: string
    parameters: ▼[ []
      ▼ { []
        context: string
        defaultValue: string
        description: string
        label: string
        name: string
        required: boolean
        type: string
          Enum: TEXT, INTEGER, DECIMAL, BOOLEAN
        min: number
        max: number
        stepsize: number
        pattern: string
        readOnly: boolean
        multiple: boolean
        multipleLimit: integer (int32)
        groupName: string
        advanced: boolean
        verify: boolean
        limitToOptions: boolean
        unit: string
        unitLabel: string
        options: ▼[ []
          ▼ { []
            label: string
            value: string
          }
        ]
        filterCriteria: ▼[ []
          ▼ { []
            value: string
            name: string
          }
        ]
      }
    ]
  }
}
parameterGroups: ▼[ []
  ▼ { []
    name: string
    context: string
```

```
        advanced: boolean
        label: string
        description: string
    }
]
}
timestamp: string (date-time)
type: string
}
```

Status: 404 - Component not found

Uuid

getUUID

A unified unique id.

GET

```
/uuid
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X GET\  
-H "Accept: text/plain\  
"/rest/uuid"
```

Parameters

Responses

Status: 200 - OK

Schema

```
string
```

Voice

getDefaultVoice

Gets the default voice.

GET

```
/voice/defaultvoice
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: application/json\  
"/rest/voice/defaultvoice"
```

Parameters

Responses

Status: 200 - OK

Schema

```
▼ { []  
  id: string  
  label: string  
  locale: string  
}
```

Status: 404 - No default voice was found.

getVoiceInterpreterByUID

Gets a single interpreter.

GET

```
/voice/interpreters/{id}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: application/json\  
"/rest/voice/interpreters/{id}"
```

Parameters

Path parameters

Name	Description
id*	String <i>interpreter id</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ [ []  
  ▼ { []  
    id:    string  
    label: string  
    locales: ▼ [ [] (0..∞) ♦  
              string  
            ]  
  }  
]
```

Status: 404 - Interpreter not found

getVoiceInterpreters

Get the list of all interpreters.

GET

```
/voice/interpreters
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: application/json\  
"rest/voice/interpreters"
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Responses

Status: 200 - OK

Schema

```
▼ [ {}  
  ▼ { {}  
    id: string  
    label: string  
    locales: ▼ [ {} (0..∞) ◆  
              string  
            ]  
  }  
]
```

getVoices

Get the list of all voices.

GET

```
/voice/voices
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X GET\  
-H "Accept: application/json\  
"rest/voice/voices"
```

Parameters

Responses

Status: 200 - OK

Schema

```
▼ [ []
  ▼ { []
    id: string
    label: string
    locale: string
  }
]
```

interpretText

Sends a text to a given human language interpreter(s).

POST

```
/voice/interpreters/{ids}
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X POST\
-H "Content-Type: text/plain"\
"/rest/voice/interpreters/{ids}"
```

Parameters

Path parameters

Name	Description
ids*	array[String] <i>comma separated list of interpreter ids</i> Required

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Body parameters

Name	Description
body *	string

Responses

Status: 200 - OK

Status: 400 - interpretation exception occurs

Status: 404 - No human language interpreter was found.

interpretTextByDefaultInterpreter

Sends a text to the default human language interpreter.

POST

```
/voice/interpreters
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X POST\  
-H "Content-Type: text/plain\  
"/rest/voice/interpreters"
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Body parameters

Name	Description
body *	string

Responses

Status: 200 - OK

Status: 400 - interpretation exception occurs

Status: 404 - No human language interpreter was found.

listenAndAnswer

Executes a simple dialog sequence without keyword spotting for a given audio source.

POST

```
/voice/listenandanswer
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X POST\  
"/rest/voice/listenandanswer?sourceId=&sttId=&ttsId=&voiceId=&hlId=&sinkId=&listeningItem="
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Query parameters

Name	Description
sourceId	String <i>source ID</i>
sttId	String <i>Speech-to-Text ID</i>
ttsId	String <i>Text-to-Speech ID</i>
voiceId	String <i>voice ID</i>
hlIds	array[String] <i>interpreter IDs</i>
sinkId	String <i>audio sink ID</i>
listeningItem	String <i>listening item</i>

Responses

Status: 200 - OK

Status: 400 - Services are missing or language is not supported by services or dialog processing is already started for the audio source.

Status: 404 - One of the given ids is wrong.

startDialog

Start dialog processing for a given audio source.

POST

```
/voice/dialog/start
```

Usage and SDK Samples

Curl Java Android Obj-C JavaScript C# PHP Perl Python

```
curl -X POST \
"/rest/voice/dialog/start?sourceId=&ksId=&sttId=&ttsId=&voiceId=&hlIds=&sinkId=&keyword=&listeningItem="
```

Parameters

Header parameters

Name	Description
Accept-Language	String <i>language</i>

Query parameters

Name	Description
sourceId	String <i>source ID</i>
ksId	String <i>keyword spotter ID</i>
sttId	String <i>Speech-to-Text ID</i>
ttsId	String <i>Text-to-Speech ID</i>
voiceId	String <i>voice ID</i>

hlids	String <i>comma separated list of interpreter IDs</i>
sinkId	String <i>audio sink ID</i>
keyword	String <i>keyword</i>
listeningItem	String <i>listening item</i>

Responses

Status: 200 - OK

Status: 400 - Services are missing or language is not supported by services or dialog processing is already started for the audio source.

Status: 404 - One of the given ids is wrong.

stopDialog

Stop dialog processing for a given audio source.

POST

```
/voice/dialog/stop
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X POST \
"/rest/voice/dialog/stop?sourceId="
```

Parameters

Query parameters

Name	Description
sourceId	String <i>source ID</i>

Responses

Status: 200 - OK

Status: 400 - No dialog processing is started for the audio source.

Status: 404 - No audio source was found.

textToSpeech

Speaks a given text with a given voice through the given audio sink.

POST

```
/voice/say
```

Usage and SDK Samples

[Curl](#) [Java](#) [Android](#) [Obj-C](#) [JavaScript](#) [C#](#) [PHP](#) [Perl](#) [Python](#)

```
curl -X POST\  
-H "Content-Type: text/plain\  
"/rest/voice/say?voiceid=&sinkid="
```

Parameters

Body parameters

Name	Description
body *	string

Query parameters

Name	Description
voiceid	String <i>voice id</i>
sinkid	String <i>audio sink id</i>

Responses

Status: 200 - OK

Suggestions, contact, support and error reporting;

Information URL: <https://www.openhab.org/docs/> (<https://www.openhab.org/docs/>)

Contact Info: hello@helloverb.com (hello@helloverb.com)

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