KACE® Systems Management Appliance 15.1

API Reference Guide

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About the KACE Systems Management Appliance API

The KACE Systems Management Appliance (SMA) API allows you to manage various aspects of the KACE SMA appliance data and its related information.

CAUTION: This API Reference Guide is available only to those users who have a technical understanding of how to use the information provided in this document. Our Support team does not provide assistance for any custom development that implements the APIs covered in this guide which is in line with our support policy. For more information, visit: https://support.quest.com/essentials/support-guide.

NOTE: Starting in version 12.1, the appliance API no longer returns nor requires the `x-kace-csrf-token header`. All that is required is that the `x-kace-api-version` header be present on all requests. Older clients that use `x-dell-api-version` are still supported, as long as they include a `x-dell-api-version` request header in the login request, and the client no longer expects `x-dell-csrf-token` to be present in the login response. Please note that the method of communicating using the old Dell headers is deprecated, and will be removed in a future release.

Authentication and organization selection

Access to the KACE SMA API is limited to authenticated KACE SMA users. If the appliance is configured for multiple organizations, querying is limited to the currently selected organization for the requesting user.

Authentication and organization selection are available through the KACE SMA Account Management Service. The authentication route is accessed through a `POST` request at `/ams/shared/api/security/login`. So for example, if the appliance name is `KACE_SMA_Test`, the route to login can be: `http://KACE_SMA_Test/ams/shared/api/security/login`.

The body for the `POST` request must contain the user name and password, and optionally an organization name. Here is an example body for that request:

```
{
    "password" : "AdminPW",
    "userName" : "admin",
    "organizationName" : "Default"
}
```

When 2FA (multifactor authentication) is enabled, an additional step is required, to supply the security code after obtaining the `KACE_CSRF_TOKEN`. Failing to do so causes all future API calls to be invalid with an HTTP status of 401, and the following body:

```
{
    "errorCode": -1,
    "errorDescription": "User not fully authenticated."
}
```

You can supply the 2FA code through a POST request at `/ams/shared/api/security/verify_2factor`. For example, if the appliance name is `KACE_SMA_Test`, the route to supply the code is: `http://KACE_SMA_Test/ams/shared/api/security/verify_2factor`.

The body for the POST request must contain the current code from 2FA. For example:

```
{
    "currentCode" : "codefrom2fa"
```

```
}
```

If the code supplied Google Authenticator is `123456`, you can use the following statement:

```
{
    "currentCode" : "123456"
}
```

The header for this request must contain `x-kace-api-version`.

When a success is received, the custom API call no longer returns the authentication error:

If the security code is valid, the API call returns the HTTP status 200, with the following body:

```
{    "Result": "Success" }
```

Once the security code is accepted, all future API calls should function as expected.

Authorization

During authentication, the assigned role is retrieved for the given KACE SMA user. This role determines the actions that the user is authorized to perform. With regard to this API, the following default roles have specific capabilities.

- **Administrator**: All API actions are available. In queries, matching data for all users is returned.
- **Read-only administrator**: All API queries are available. Matching data for all users is returned.
- **Standard user**: All API queries are available. Matching data is returned only for the current user.

If the appliance is updated with custom roles and the current user is assigned one of those roles, its permissions are retrieved. These permission values are used to determine the user's querying capability for this API. For more information about the KACE SMA roles, see the **K1000 Systems Management Appliance Administrator Guide**.

Access

The API is available at the K1000 address starting with the path `/api`.

So for example, if the K1000 name in your environment is `K1000Test`, the route to the machine entities would be `http://K1000Test/api/inventory/machines`.

Headers

On any request to this API, there is a set of mandatory HTTP headers that must be included.

Accept

This standard header determines the format of the response payload. XML and JSON are supported.

Example syntax. `Accept: application/json`

Content-Type

This standard header indicates the format of the request payload. It is required only for `POST` and `PUT` requests. XML and JSON are supported.

Example syntax. `Content-Type: application/json`

Version

As the development of this API continues, some routes may support multiple implementations. In that case this header determines which version of the route will execute. The requested version must be at least 1. If the requested version does not exist for the given route, the server executes the most recent version.

Example syntax. `x-kace-api-version: 1`

Query syntax

A rich set of operations can be performed on any data request. These are controlled by query parameters in the URL. None, any, or all of these operations can be included in a request.

TIP: In this chapter, **base entity** refers to the entity specified in the URL route. For example, in the request `GET /api/inventory/machines?filtering=software.name eq Word`, `machine` is the base entity, while `software` is a sub-entity. The API query engine determines how to mesh multiple entities.

Filtering

Filtering is accomplished using the `filtering` query parameter. A comma is used to separate multiple filters. All filters are matched in the returned data set. Each filter is specified by an optional entity name, a field name, an operator, and a value. If the entity is not provided, the base entity is assumed. A period separates an entity and a field name. A space must separate either end of the operator.

Casting is as broad as possible, however if the field type does not match the operator (for example, `contains` on an integer), an error is returned.

Operators

The standard operators are as follows:

- `lt`: Less than
- `le`: Less than or equal
- `ge`: Greater than or equal
- `eq`: Equal
- `ne`: Not equal
- `neq`: Not equal
- `co`: Contains
- `nc`: Does not contain
- `nco`: Does not contain
- `st`: Starts with
- `ns`: Does not start with
- `nst`: Does not start with
- `en`: Ends with
- `end`: Ends with
- `nen`: Does not end with
- `nend`: Does not end with
- `in`: In set (values separated by semicolon)
- `nin`: Not In set (values separated by semicolon)

Examples:

NOTE: For clarity, the prefix `/api/inventory` is omitted in the examples.

All machines named `xxx`:

```
/machines?filtering=name eq xxx
```

All machines whose name contains the string `xxx`

```
machines?filtering=machine.name co xxx
```

All machines whose name does not contain `xxx`, and an ID value greater than 1000:

```
/machines?filtering=name nc xxx,id gt 1000
```

All machines whose name does not contain `xxx`:

```
/machines?filtering=name nc xxx
```

Machines whose IDs are 100, 101 and 108:

```
/machines?filtering=id in 100;101;108
```

All machines with a software title `zoo` installed:

```
/machines?filtering=id software.name eq zoo
```

All machines with ID values greater than 100 and a software title `zoo` installed:

```
/machines?filtering=id gt 100,software.name eq
zoo
```

Existence

The existence of associated data in sub-entities can be tested using the following operators.

NOTE: Values are not required for these operators:

- `ex`: Exists
- `nex`: Does not exist

Examples:

All machines with a recorded location:

```
/machines?filtering=machine_location.id ex
```

All machines without a recorded location:

```
/machines?filtering=machine_location.id nex
```

Filtering on related data

Note that adding a filter on a sub-entity does not cause the data for that sub-entity to appear in the result set.

The filter is applied, but shaping (or sorting) is required in order to specify extra return data.

Using wildcards in filters

There is a special case in which a filter can be applied to match any field of the entity. To use that capability, an asterisk '*' can be used as the field name.

The wildcard filter in some cases also matches values in sub-entities, to make them more useful to the client. The Service Desk API `GET /api/service_desk/tickets` has special handling to include owner names and submitter names in the wildcard. To find out if this handling is available and for more information about the Service Desk API, see Service Desk API Reference.

Examples:

Return the machines in which any field contains the string `ABC`:

```
/machine?filtering=* co ABC
```

Filters can be combined. The following example retrieves the machines that have the software title `DEF` installed and also have fields containing the `ABC` string:

```
/machine?filtering=* co ABC,software.name eq
DEF
```

Sorting

Sorting is accomplished with the `sorting` query parameter. Commas can be used to separate multiple sorting requests. Each sorting request must give the sort entity and field. Optionally, a sort order can be specified. If the sort order is not specified, the default sort order is `ASC` (ascending). Sort requests are processed from left to right.

Sorting can be performed on the base entity as well as on any sub-entities. If sorting is indicated for a sub-entity that does not appear in the shaping clause, that sub-entity is automatically included at the standard shaping level. Any given shaping level overrides that value.

Examples:

Sort the machines by their ID in a descending list, and retrieve the software for each machine. Shaping is not necessarily required here. It is assumed that since ordering was requested for the software, it is expected in the result set:

```
/machines?sorting=machine.id,software.name
desc
```

Since shaping is not specified in the above example, the standard level is applied. However, note also that shaping can still be specified, if needed:

```
/machines?sorting= software.name
desc&shaping=software all
```

In this example any result data is sorted by the machine name and then the ID:

```
/machines?sorting=machine.name,machine.id
```

Paging

To apply paging, use the `paging` query parameter.

To limit the number of records returned, use the `limit` parameter. For example:

```
/machines?paging=limit 100
```

To indicate the index of the first returned record, use the`offset` parameter. For example:

```
/machines?paging=offset 101
```

To use these parameters together, separate them with a space:

```
/machines?paging=offset 101 limit 100
```

These two values are useful for consumers that display the records in a **paged** format. The values can appear in either order.

If no limit is specified, the default is 50. To force the server to return every record, set the limit to zero '0' or `ALL`. For example:

```
/machines?paging=limit ALL
```

If no offset is given, the default is zero '0'.

Shaping

The `shaping` query parameter limits the amount of returned data is specified. The returned fields for each associated entity is controlled by two query values. The first is the name of the entity, while the second half of the pair is the associated level. Name/value pairs are separated by a comma.

The definition of each shaping level is specific to the entity in question. You can use the following shaping levels:

- `LIMITED`: ID and name.
- `STANDARD`: The expected set of fields that a typical user consumer requires. This is the default for any entity if shaping parameters are not specified.
- `EXTENDED`: Most data.
- `ALL`: All data, including foreign keys and similar information.

The default for all non-included sub-entities is`none`. There is no need to specify in such calls.

The same syntax can be used to shape the base entity as well as any desired sub-entities. For example, to gather full machine data and limited data for each software title on every machine, use the following call:

```
/machines?shaping=machine all,software limited
```

Counts

Two flags are available to dictate whether and how the count value is returned in the payload. The count value indicates the total number of entities in the system that match the query. This can be different than the number of returned records based upon the `limit` flag, as described above.

The `use_count` parameter can be used to prevent a field giving the count of available records from being included. Returning the count is the default behavior. To do that, set this flag to `false` in the fetch request.

If only the count is needed, use the `use_count_only` parameter. Any value except `false` forces only the count of matching entities to be returned. This flag can save processing and data transfer time. By default this flag is `false`.

Examples

This section provides API usage examples.

The following placeholders appear in these examples. You must replace them in the actual API calls as follows:

- **{host}** represents the appliance host name or IP address.
- **{username}** and **{password}** are the administrator user's credentials for logging in to the appliance Administration Console.
- **{id}** is the ID of the item being updated.

Other variables should be replaced with the data you want to write when creating or updating. For example, replace "**{website}**" with “https://`www.example.com`”.

Login example

Syntax:

- Type: POST
- URL: {host}/ams/shared/api/security/login
- Headers:
  - Content-Type:application/json
  - Accept:application/json
- Body:
  - {"userName": "{username}", "password": "{password}"}

Example:

- Type: POST
- URL: **k1000**/ams/shared/api/security/login
- Headers:
  - Content-Type:application/json
  - Accept:application/json
- Body:
  - {"userName": "**admin**", "password": "**123456**"}

Update a location example

Syntax:

- Type: PUT
- URL: {host}/api/asset/assets/{id}
- Headers:
  - Content-Type:application/json
  - Accept:application/json
  - x-kace-api-version:5
- Body:

  {

  "Assets" : [{

  “name” : “{Location name}"

  }]

  }

NOTE: The location fields "description", "webSite", "address", "phoneNumber" are not available on the API. However, any other asset custom fields defined for the Location asset type are editable.

Fetch locations example

Syntax:

- Type: GET
- {host}/api/asset/assets?filtering=asset_type_id eq 1
- Headers:
  - Content-Type:application/json
  - Accept:application/json
  - x-kace-api-version:5

Create an inventory example

Syntax:

- Type: POST
- URL: {host}/api/inventory/machines
- Headers:
  - Content-Type:application/json
  - Accept:application/json
  - x-kace-api-version:5
- Body:

  {

  "Machines": [

  {

  "Name":"{system name}",

"Ip":"{ip address}",

"Os_number":"{os number}",

"User":"{user}",

"Cdrom_devices":"{cd rom device}",

"Os_name":"{os name}",

"Ram Total":"{ram total}",

"Ram_used":"{ram used}",

"Pagefile_max_size":"{pagefile max size}",

"Ram_max":"{ram max}",

"Bios_identification_code":"{bios id code}",

"Monitor":"{monitor}",

"Sound_devices":"{sound device}",

"Video_controllers":"{video controller}",

"Pagefile_size":"{pagefile size}"

}

]

}

Example:

NOTE: This example creates a machine in the inventory given the field values below.

- Type: POST
- URL: **k1000**/api/inventory/machines
- Headers:
  - Content-Type:application/json
  - Accept:application/json
  - x-kace-api-version:5
- Body:

{

"Machines": [

{

"Name":" **Workstation 123**",

"Ip":"**192.168.101.110**",

"Os_number":"**10.0.14393**",

"User":"**user1**",

"Cdrom_devices":"**NECVMWar VMware SATA CD01**",

"Os_name":"**Microsoft Windows 10 Pro x64**",

"Ram Total":"**2048 Bytes**",

"Ram_used":"**1324.1**",

"Pagefile_max_size":"**385**",

"Ram_max":"**33792**",

"Bios_identification_code":"",

"Monitor":"**Generic Non-PnP Monitor**",

"Sound_devices":"**High Definition Audio Device**",

"Video_controllers":"**VMware SVGA 3D:1024 MB**",

"Pagefile_size":"**385**"

}

]

}

Query examples

For reference, here is an example of a query that uses most of the parameters described in this section.

```
/machines?shaping=machine all,software
limited&sorting=software.name
desc&use_count=false&filtering=id lt 1000&paging=limit
1
```

To retrieve tickets, along with their submitter and owner details (if available):

```
GET /api/service_desk/tickets?shaping=
hd_ticket regular,owner limited,submitter limited
```

To retrieve ticket changes and comments, including attachment IDs, and author comments:

```
GET /api/service_desk/tickets/24/changes?shaping=
hd_ticket_change regular,attachments regular,user limited
```

To retrieve an attachment associated with a ticket change:

```
GET /api/service_desk/tickets/24/changes/26/
attachments/18
```

API Reference

KACE SMA API

Overview

Version information

Version : 14.0

URI scheme

BasePath : /

Consumes

- `application/json`

Produces

- `application/json`

Paths

POST /ams/shared/api/kkmp/login

Description

Logs the user into the linked device account

Parameters

Type	Name	Schema
Query	**isSystem** *required*	boolean
Query	**orgId** *required*	integer
Query	**token** *required*	string

Responses

HTTP Code	Schema
200	No Content

POST /ams/shared/api/kkmp/login_user

Description

Logs the user into the linked device

Responses

HTTP Code	Schema
200	Response

GET /ams/shared/api/organizations

Description

Returns a list of all organizations

Parameters

Type	Name	Schema
Query	**filter** *optional*	string
Query	**filtering** *optional*	string
Query	**offset** *optional*	string
Query	**paging** *optional*	string
Query	**properties** *optional*	string
Query	**sorting** *optional*	string

Responses

HTTP Code	Schema
200	< Organization > array

GET /ams/shared/api/security/authResult

Description

Fetches result for last authentication attempt for SAML mobile logins

Responses

HTTP Code	Schema
200	No Content

POST /ams/shared/api/security/login

Description

Logs the user in

Parameters

Type	Name	Schema
Body	**credentials** *required*	ApiCredentials

Responses

HTTP Code	Schema
200	No Content

GET /ams/shared/api/security/logout

Description

Logs out the currently logged in user

Parameters

Type	Name	Schema
Query	**redirectTo** *optional*	string

Responses

HTTP Code	Schema
200	No Content

POST /ams/shared/api/security/organization/switch

Description

Changes the organization the user is logged into

Parameters

Type	Name	Schema
Query	**organizationId** *required*	integer

Responses

HTTP Code	Schema
200	No Content

POST /ams/shared/api/security/organization/{id}/switchto

Description

Changes the organization the user is logged into

Parameters

Type	Name	Schema
Path	**id** *required*	integer

Responses

HTTP Code	Schema
200	No Content

GET /ams/shared/api/security/refreshcontext

Description

Refreshes the current security context

Responses

HTTP Code	Schema
200	No Content

GET /ams/shared/api/security/samlLogin

Description

Logs the user in through SAML

Parameters

Type	Name	Description	Schema
Query	**kaceGO** *optional*	Request redirect for KACE GO	string
Query	**organizationName** *optional*		string

Responses

HTTP Code	Schema
200	No Content

GET /ams/shared/api/security/supportedAuthTypes

Description

Returns supported authentication types (right now, local and/or SAML)

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
AuthTypes *optional*	< auth_type > array

POST /ams/shared/api/security/verify_2factor

Description

Accepts 2factor token from accounts that require one. Call immediately after login.

Parameters

Type	Name	Schema
Body	**verificationData** *required*	verificationData

verificationData

Name	Description	Schema
currentCode *optional*	Token from generator. Required if 2FA configured for user.	string
skipConfiguration *optional*	Available if 2FA not configured and within skip window	boolean

Responses

HTTP Code	Schema
200	No Content

Definitions

ApiCredentials

Name	Schema
organizationName *optional*	string
password *optional*	string
userName *optional*	string

AuthStorage

Name	Schema
authStorageExpiration *optional*	AuthStorageExpiration
key *optional*	string
value *optional*	string

AuthStorageExpiration

Name	Schema
expires *optional*	integer
key *optional*	string

Notification

Name	Schema
accountId *optional*	integer
actionCode *optional*	integer
affectedIds *optional*	string
affectedResourceType *optional*	integer
id *optional*	integer
message *optional*	string
organizationId *optional*	integer
severityCode *optional*	integer
timestamp *optional*	string(date-time)

Organization

Name	Schema
id *optional*	integer
isDeleted *optional*	boolean
isEnabled *optional*	boolean
isSystem *optional*	boolean
locationAttrName *optional*	string
name *optional*	string
syncLocations *optional*	boolean
timeZone *optional*	string
version *optional*	string(date-time)

auth_type

Name	Schema
type *optional*	string

Asset API Reference

KACE SMA Asset API Reference

Overview

Version information

Version : 14.0

URI scheme

BasePath : /api/asset

Consumes

- `application/json`

Produces

- `application/json`

Paths

GET /api/asset/archived_devices/{id}

Description

Returns the archived asset associated with the id

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	< string > array

GET /api/asset/asset_status

Description

Returns all asset statuses

Parameters

Type	Name	Schema
Query	**filtering** *optional*	string
Query	**offset** *optional*	string
Query	**paging** *optional*	string
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string

Type	Name	Schema
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
AssetStatus *optional*	< asset_status > array

GET /api/asset/asset_status/{id}

Description

Returns the asset status associated with the id

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
AssetStatus *optional*	< asset_status > array

POST /api/asset/assets

Description

Creates a new asset

Parameters

Type	Name	Schema
Body	**assetData** *required*	assetData

assetData

Name	Schema
Assets *optional*	< asset > array

Responses

HTTP Code	Schema
200	string

GET /api/asset/assets

Description

Returns a list of all assets

Parameters

Type	Name	Schema
Query	**filtering** *optional*	string

Type	Name	Schema
Query	**offset** *optional*	string
Query	**paging** *optional*	string
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Assets *optional*	< asset > array

GET /api/asset/assets/types

Description

Returns a list of all asset types

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
AssetTypes *optional*	< asset_type > array

GET /api/asset/assets/{assetID}/attachment/{fieldName}

Description

Returns an attachment

Parameters

Type	Name	Schema
Path	**assetID** *required*	integer
Path	**fieldName** *required*	integer

Responses

HTTP Code	Schema
200	string(binary)

POST /api/asset/assets/{id}

Description

Updates an asset

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Body	**assetData** *required*	assetData

assetData

Name	Schema
Assets *optional*	< asset > array

Responses

HTTP Code	Schema
200	string

GET /api/asset/assets/{id}

Description

Returns the asset associated with the id

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Assets *optional*	< asset > array

PUT /api/asset/assets/{id}

Description

Updates an asset

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Body	**assetData** *required*	assetData

assetData

Name	Schema
Assets *optional*	< asset > array

Responses

HTTP Code	Schema
200	string

DELETE /api/asset/assets/{id}

Description

Removes an asset

Parameters

Type	Name	Schema
Path	**id** *required*	integer

Responses

HTTP Code	Schema
200	string

POST /api/asset/assets/{id}/archive

Parameters

Type	Name	Schema
Path	**id** *required*	integer

Responses

HTTP Code	Schema
200	string

GET /api/asset/assets/{id}/barcodes

Description

Returns all barcodes associated with the specified asset.

Parameters

Type	Name	Schema
Path	**id** *required*	integer

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Barcodes *optional*	< barcode > array

POST /api/asset/assets/{id}/cancel_archive

Parameters

Type	Name	Schema
Path	**id** *required*	integer

Responses

HTTP Code	Schema
200	string

POST /api/asset/barcodes

Description

Creates a new barcode

Parameters

Type	Name	Schema
Body	**barcodeData** *required*	barcodeData

barcodeData

Name	Schema
Barcodes *optional*	< barcode_update > array

Responses

HTTP Code	Schema
200	string

GET /api/asset/barcodes

Description

Returns all barcodes

Parameters

Type	Name	Schema
Query	**filtering** *optional*	string
Query	**offset** *optional*	string
Query	**paging** *optional*	string
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	< barcode > array

GET /api/asset/barcodes/{id}

Description

Returns the barcode associated with the id

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	< barcode > array

PUT /api/asset/barcodes/{id}

Description

Updates the selected barcode

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Body	**barcodeData** *required*	barcodeData

barcodeData

Name	Schema
Barcodes *optional*	< barcode_update > array

Responses

HTTP Code	Schema
200	string

DELETE /api/asset/barcodes/{id}

Description

Removes the selected barcode

Parameters

Type	Name	Schema
Path	**id** *required*	integer

Responses

HTTP Code	Schema
200	string

GET /api/asset/licenses

Description

Returns a list of all license assets

Parameters

Type	Name	Description	Schema	Default
Query	**appliesToSoftware** *optional*	Match only licenses applicable to software ID	integer	""
Query	**filtering** *optional*		string	
Query	**offset** *optional*		string	
Query	**paging** *optional*		string	
Query	**shaping** *optional*		string	
Query	**sorting** *optional*		string	
Query	**use_count** *optional*		string	
Query	**use_count_only** *optional*		string	
Query	**use_pretty_print** *optional*		boolean	

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Licenses *optional*	< asset > array

Definitions

archive_asset_device

Name	Schema
asset_id *optional*	integer
id *optional*	integer

Name	Schema
name *optional*	string

asset

Name	Schema
archive *optional*	string
archive_reason *optional*	string
asset_class_id *optional*	integer
asset_data_id *optional*	integer
asset_status_id *optional*	integer
asset_type_id *optional*	integer
id *optional*	integer
location_id *optional*	integer
mapped_id *optional*	integer
name *optional*	string
owner_id *optional*	integer

asset_property

Name	Schema
AssetTypeID *optional*	integer
ColumnName *optional*	string
DefaultAssetStatusID *optional*	integer
ForSubtype *optional*	string
Name *optional*	string
Required *optional*	integer
Type *optional*	string

asset_status

Name	Schema
description *optional*	string

Name	Schema
id *optional*	integer
is_system *optional*	integer
name *optional*	string

asset_type

Name	Schema
AssetTypeID *optional*	integer
AssetTypeName *optional*	string
CanDelete *optional*	boolean
DefaultAssetStatusID *optional*	integer
SubTypes *optional*	< string > array
properties *optional*	< asset_property > array

barcode

Name	Schema
barcode_data *required*	string
barcode_format *required*	string
barcode_name *required*	string
first_scanned_geolocation *read-only*	string
first_scanned_method *read-only*	string
first_scanned_user *read-only*	string
id *optional*	integer
last_scanned_geolocation *read-only*	string
last_scanned_method *read-only*	string
last_scanned_user *read-only*	string

barcode_update

Name	Description	Schema
asset_id *required*	Only valid when creating new barcode. Required, used to associate with a specific asset	integer
barcode_data *required*		string
barcode_format *required*		string
barcode_name *required*		string
id *optional*		integer
scanned_geolocation *required*	Geolocation of scan. Can be UNKNOWN	string
scanned_method *required*	Scanned method - can be MANUAL, SCANNED or UNKNOWN	string

machine

Name	Schema
asset_tag *optional*	string
bios_description *optional*	string
bios_identification_code *optional*	string
bios_manufacturer *optional*	string
bios_name *optional*	string
bios_serial_number *optional*	string
bios_version *optional*	string
cdrom_devices *optional*	string
chassis_type *optional*	string
client_version *optional*	string
cpu_name *optional*	string
cs_domain *optional*	string
cs_manufacturer *optional*	string
cs_model *optional*	string
csp_id_number *optional*	string
custom_field_value0 *optional*	string
custom_field_value1 *optional*	string

Name	Schema
custom_field_value2 *optional*	string
custom_field_value3 *optional*	string
custom_field_value4 *optional*	string
custom_field_value5 *optional*	string
domain *optional*	string
dot_net_versions *optional*	string
edge_version *optional*	string
force_inventory *optional*	integer
gateway_ip *optional*	string
gateway_ipv6 *optional*	string
id *optional*	integer
ie_version *optional*	string
ip *optional*	string
ipv6 *optional*	string
kpatch_language_id *optional*	string
kuid *optional*	string
last_reboot *optional*	string
last_shutdown *optional*	string
last_user *optional*	string
mac *optional*	string
manual_entry *optional*	integer
manufacturer_product_number *optional*	string
monitor *optional*	string
motherboard_primary_bus *optional*	string
motherboard_secondary_bus *optional*	string
name *optional*	string
netmask *optional*	string
notes *optional*	string
os_arch *optional*	string
os_build *optional*	string
os_family *optional*	string
os_id *optional*	integer

Name	Schema
os_installed_date *optional*	string
os_major *optional*	string
os_minor *optional*	string
os_minor2 *optional*	string
os_name *optional*	string
os_number *optional*	string
os_release *optional*	string
os_version *optional*	string
ownership *optional*	string
pagefile_max_size *optional*	string
pagefile_size *optional*	string
physical_cores *optional*	integer
physical_processors *optional*	integer
prefix_len *optional*	integer
printers *optional*	string
processors *optional*	string
ram_max *optional*	string
registry_max_size *optional*	string
registry_size *optional*	string
sda_deployment_name *optional*	string
sda_deployment_type *optional*	string
sda_deployment_url *optional*	string
sda_installation_id *optional*	string
sda_name *optional*	string
sda_url *optional*	string
service_pack *optional*	string
sound_devices *optional*	string
sys_arch *optional*	string
system_description *optional*	string
system_directory *optional*	string
tz_agent *optional*	string
uptime *optional*	string

Name	Schema
user *optional*	string
user_domain *optional*	string
user_fullname *optional*	string
user_logged *optional*	string
user_name *optional*	string
video_controllers *optional*	string
virtual *optional*	string
wmi_status *optional*	string

software

Name	Schema
category *optional*	string
checksum *optional*	string
comments *optional*	string
contact *optional*	string
custom_field_value0 *optional*	string
custom_field_value1 *optional*	string
custom_field_value2 *optional*	string
custom_field_value3 *optional*	string
custom_field_value4 *optional*	string
custom_field_value5 *optional*	string
display_name *optional*	string
display_version *optional*	string
dont_replicate *optional*	integer
file_name *optional*	string
file_size *optional*	integer
help_link *optional*	string
help_telephone *optional*	string
id *optional*	integer
install_date *optional*	string
installed_count *optional*	integer

Name	Schema
inventory_rule *optional*	string
is_manual *optional*	integer
is_patch *optional*	integer
notes *optional*	string
publisher *optional*	string
quiet_uninstall_string *optional*	string
readme *optional*	string
rule_data_type *optional*	integer
rule_flag *optional*	integer
threat *optional*	integer
uninstall_string *optional*	string
urlinfo_about *optional*	string
version *optional*	string

KACE SMA Asset API Examples

This section provides examples for adding attachments to assets using the KACE SMA API.

Each example uses the following assumptions:

- We have a Device asset type, with the asset type ID of `5`.
- The Device asset type has two custom fields of type attachment, and they are tagged as `field_10002` and `field_10003` in the JSON.

Create an asset and upload attachments to both custom fields at the same time:

```
POST /api/asset/assets
Content-Type: multipart/form-data; boundary=————————————290943174853897038718644
----------------------------290943174853897038718644
Content-Disposition: form-data; name="Assets"
[ {
        "asset_type_id" : 5,
        "name" : "TestCreateWithAttachments",
        "field_10002" : { "attachmentSet" : "AttachmentOne"  },
        "field_10003" : { "attachmentSet" : "AttachmentTwo"  }
} ]
----------------------------290943174853897038718644
Content-Disposition: form-data; name="AttachmentOne"; filename="SomeFile.png"
Content-Type: image/png
... The binary PNG file data ...
----------------------------290943174853897038718644
Content-Disposition: form-data; name="AttachmentTwo"; filename="SomeOtherFile.png"
Content-Type: image/png
... The binary PNG file data ...
```

```
----------------------------290943174853897038718644
```

Update an asset by uploading a single custom field:

NOTE: You can upload multiple attachments to different custom fields at once. See Create an asset and upload attachments to both custom fields at the same time:.

```
POST /api/asset/assets/{asset ID}
Content-Type: multipart/form-data; boundary=————————————290943174853897038718644
----------------------------290943174853897038718644
Content-Disposition: form-data; name="Assets"
[ {
        "field_10003" : { "attachmentSet" : "AttachmentOne"  }
} ]
----------------------------290943174853897038718644
Content-Disposition: form-data; name="AttachmentOne"; filename="ReplacementFile.png"
Content-Type: image/png
... The binary PNG file data ...
----------------------------290943174853897038718644
```

Update an asset by removing an attachment from a custom field:

```
PUT /api/asset/assets/{asset ID}
Content-Type: application/json
{
    "Assets" : [ {
        "field_10002" : { "remove" : "1"  }
    }]
}
```

Retrieve an attachment from a specified custom field:

```
GET /api/asset/assets/{asset ID}/attachments/field_10002
```

Inventory API Reference

KACE SMA Inventory API Reference

Overview

Version information

Version : 14.0

URI scheme

BasePath : /api/inventory

Consumes

- `application/json`

Produces

- `application/json`

Paths

POST /api/inventory/machines/

Description

Creates or updates inventory data. The only way to send new inventory data is via this Machine entity. It is suggested that POST be used for new machines and PUT for machine updates. However, as a convenience for clients, the POST route can be used to update the inventory for existing machines. See Appendix B for an example of the request body format. Multiple

machines can be sent in a single request. If no KUID is given for a machine, one will be auto-generated. The ID(s) of the impacted machines will be included in the response.

Responses

HTTP Code	Schema
200	< integer > array

GET /api/inventory/machines/

Description

Retrieves the data for any matching machines.

Parameters

Type	Name	Description	Schema	Default
Query	**filterOptions** *optional*	The name of join set to insert in base query	string	""
Query	**filtering** *optional*		string	
Query	**offset** *optional*		string	
Query	**paging** *optional*		string	
Query	**shaping** *optional*		string	
Query	**sorting** *optional*		string	
Query	**use_count** *optional*		string	
Query	**use_count_only** *optional*		string	
Query	**use_pretty_print** *optional*		boolean	

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Machines *optional*	< Machine > array

GET /api/inventory/machines/{id}/

Description

Retrieves the data for the specific ID given. All query parameters are available.

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	< Machine > array

PUT /api/inventory/machines/{id}/

Description

Updates machine inventory data for the given ID. If a KUID is sent in the request body, it must match the KUID for the machine with the given ID. See Appendix B for an example of the request body format.

Responses

HTTP Code	Schema
200	< integer > array

GET /api/inventory/machines/{id}/custom_inventory/

Description

Retrieves the custom inventory for the specific machine ID.

Parameters

Type	Name	Schema
Path	**id** *required*	integer

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
CustomInventory *optional*	< machine_custom_inventory > array

POST /api/inventory/machines/{id}/force/

Parameters

Type	Name	Schema
Path	**id** *required*	integer

Responses

HTTP Code	Schema
200	string

GET /api/inventory/machines/{machineID}/custom_inventory

Description

Retrieves custom inventory fields associated with a machine

Parameters

Type	Name	Schema
Path	**machineID** *required*	integer

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
CustomInventory *optional*	< machine_custom_inventory > array

GET /api/inventory/machines/{machineID}/uploaded_files

Description

Retrieves uploaded files associated with a machine

Parameters

Type	Name	Schema
Path	**machineID** *required*	integer

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
UploadedFiles *optional*	< machine_uploaded_file > array

GET /api/inventory/machines/{machineID}/uploaded_files/{fileID}

Description

Retrieves uploaded file associated with a machine

Parameters

Type	Name	Schema
Path	**fileID** *required*	integer
Path	**machineID** *required*	integer

Responses

HTTP Code	Description	Schema
200	Binary file	string(binary)

POST /api/inventory/nodes/

Responses

HTTP Code	Schema
200	string

GET /api/inventory/nodes/

Description

Retrieves the data for any matching agentless nodes.

Parameters

Type	Name	Schema
Query	**filtering** *optional*	string
Query	**offset** *optional*	string
Query	**paging** *optional*	string
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	< string > array

GET /api/inventory/nodes/{id}/

Description

Retrieves the data for the specific ID given. All query parameters are available.

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	string

POST /api/inventory/operating_systems/

Responses

HTTP Code	Schema
200	string

GET /api/inventory/operating_systems/

Description

Retrieves the data for any matching operating systems. The operating system for a machine are reported during inventory.

Parameters

Type	Name	Schema
Query	**filtering** *optional*	string
Query	**offset** *optional*	string
Query	**paging** *optional*	string
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	< string > array

GET /api/inventory/operating_systems/{id}/

Description

Retrieves the data for the specific ID given. All query parameters are available.

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	string

POST /api/inventory/processes/

Responses

HTTP Code	Schema
200	string

GET /api/inventory/processes/

Description

Retrieves the data for any matching processes. The running processes for a machine are reported during inventory.

Parameters

Type	Name	Schema
Query	**filtering** *optional*	string
Query	**offset** *optional*	string
Query	**paging** *optional*	string
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	< string > array

GET /api/inventory/processes/{id}/

Description

Retrieves the data for the specific ID given. All query parameters are available.

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string

Type	Name	Schema
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	string

POST /api/inventory/services/

Responses

HTTP Code	Schema
200	string

GET /api/inventory/services/

Description

Retrieves the data for any matching NT services. The list of services for a Windows machine are reported during inventory.

Parameters

Type	Name	Schema
Query	**filtering** *optional*	string
Query	**offset** *optional*	string
Query	**paging** *optional*	string
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string

Type	Name	Schema
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	< string > array

GET /api/inventory/services/{id}/

Description

Retrieves the data for the specific ID given. All query parameters are available.

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	string

POST /api/inventory/softwares/

Responses

HTTP Code	Schema
200	string

GET /api/inventory/softwares/

Description

Retrieves the data for any matching software. The installed software titles for a machine are reported during inventory.

Parameters

Type	Name	Schema
Query	**filtering** *optional*	string
Query	**offset** *optional*	string
Query	**paging** *optional*	string
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	< string > array

GET /api/inventory/softwares/{id}/

Description

Retrieves the data for the specific ID given. All query parameters are available.

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	string

POST /api/inventory/startup_programs/

Responses

HTTP Code	Schema
200	string

GET /api/inventory/startup_programs/

Description

Retrieves the data for any matching startup programs. The list of startup programs for a machine are reported during inventory.

Parameters

Type	Name	Schema
Query	**filtering** *optional*	string
Query	**offset** *optional*	string
Query	**paging** *optional*	string
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	< string > array

GET /api/inventory/startup_programs/{id}/

Description

Retrieves the data for the specific ID given. All query parameters are available.

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	string

Definitions

Catalog.Sam_Catalog

Name	Schema
Edition *optional*	string
Id *optional*	string
Is_Mobile *optional*	integer
License_Type *optional*	string
Major_Version *optional*	string
Name *optional*	string
Product_Name *optional*	string
Publisher *optional*	string
Sam_Type *optional*	string
Software_Category *optional*	string

Name	Schema
Software_Category_Id *optional*	integer
Software_Platform *optional*	string
Software_Platform_Id *optional*	integer
Support_Url *optional*	string

Fs

Name	Schema
Alt_Checksum *optional*	string
Alt_Location *optional*	string
Create_Location *optional*	integer
Create_Shortcut *optional*	integer
Credential_Id_Alt_Location *optional*	integer
Credential_Id_Location *optional*	integer
Enabled *optional*	integer
Hour_Begin *optional*	integer
Hour_End *optional*	integer
Id *optional*	integer
Location *optional*	string
No_Uncompress *optional*	integer
Notes *optional*	string
Persistent *optional*	integer
Postinstall_Message *optional*	string
Preinstall_Message *optional*	string
Remove_Files *optional*	integer
Replace_Existing *optional*	integer
Shortcut_Name *optional*	string
Software_Id *optional*	integer
Target_All_Machines *optional*	integer

Name	Schema
Type *optional*	string

Kbsys.Patch

Name	Schema
Bulletin *optional*	string
Bundled_By *optional*	string
Bundles *optional*	string
Classification *optional*	string
Cve *optional*	string
Description *optional*	string
Id *optional*	string
Impact_Install *optional*	string
Impact_Uninstall *optional*	string
Info_Url *optional*	string
Is_Superceded *optional*	integer
Is_Supported_Install *optional*	integer
Is_Supported_Uninstall *optional*	integer
Patch_Guid *optional*	string
Patch_Identifier *optional*	string
Patch_Type *optional*	string
Publisher *optional*	string
Reboot_Install *optional*	integer
Reboot_Uninstall *optional*	integer
Request_User_Input_Install *optional*	integer
Request_User_Input_Uninstall *optional*	integer
Required_By *optional*	string
Requires *optional*	string
Severity *optional*	string
Superceded_By *optional*	string
Supercedes *optional*	string

Name	Schema
Title *optional*	string

Label

Name	Schema
App_Ctrl_Enabled *optional*	integer
Id *optional*	integer
Kace_Alt_Location *optional*	string
Kace_Alt_Location_Password_Enc *optional*	string
Kace_Alt_Location_User *optional*	string
Meter_Enabled *optional*	integer
Name *optional*	string
Notes *optional*	string
Scope_User_Role_Id *optional*	integer
Type *optional*	string
Usage_All *optional*	integer
Usage_Catalog *optional*	integer
Usage_Dell *optional*	integer
Usage_Label *optional*	integer
Usage_Machine *optional*	integer
Usage_Node *optional*	integer
Usage_Patch *optional*	integer
Usage_Process *optional*	integer
Usage_Software *optional*	integer
Usage_User *optional*	integer

Machine

Name	Schema
Asset_Tag *optional*	string
Bios_Description *optional*	string
Bios_Identification_Code *optional*	string

Name	Schema
Bios_Manufacturer *optional*	string
Bios_Name *optional*	string
Bios_Serial_Number *optional*	string
Bios_Version *optional*	string
Cdrom_Devices *optional*	string
Chassis_Type *optional*	string
Client_Version *optional*	string
Cpu_Name *optional*	string
Cs_Domain *optional*	string
Cs_Manufacturer *optional*	string
Cs_Model *optional*	string
Csp_Id_Number *optional*	string
Custom_Field_Value0 *optional*	string
Custom_Field_Value1 *optional*	string
Custom_Field_Value2 *optional*	string
Custom_Field_Value3 *optional*	string
Custom_Field_Value4 *optional*	string
Custom_Field_Value5 *optional*	string
Domain *optional*	string
Dot_Net_Versions *optional*	string
Force_Inventory *optional*	integer
Id *optional*	integer
Ie_Version *optional*	string
Ip *optional*	string
Ipv6 *optional*	string
Kpatch_Language_Id *optional*	string
Kuid *optional*	string
Last_Reboot *optional*	string
Last_Shutdown *optional*	string
Last_User *optional*	string
Mac *optional*	string
Manual_Entry *optional*	integer

Name	Schema
Manufacturer_Product_Number *optional*	string
Monitor *optional*	string
Motherboard_Primary_Bus *optional*	string
Motherboard_Secondary_Bus *optional*	string
Name *optional*	string
Netmask *optional*	string
Notes *optional*	string
Os_Arch *optional*	string
Os_Build *optional*	string
Os_Family *optional*	string
Os_Id *optional*	integer
Os_Installed_Date *optional*	string
Os_Major *optional*	string
Os_Minor *optional*	string
Os_Minor2 *optional*	string
Os_Name *optional*	string
Os_Number *optional*	string
Os_Release *optional*	string
Os_Version *optional*	string
Ownership *optional*	string
Pagefile_Max_Size *optional*	string
Pagefile_Size *optional*	string
Physical_Cores *optional*	integer
Physical_Processors *optional*	integer
Prefix_Len *optional*	integer
Printers *optional*	string
Processors *optional*	string
Ram_Max *optional*	string
Registry_Max_Size *optional*	string
Registry_Size *optional*	string
Sda_Deployment_Name *optional*	string
Sda_Deployment_Time *optional*	string

Name	Schema
Sda_Deployment_Type *optional*	string
Sda_Deployment_Url *optional*	string
Sda_Installation_Id *optional*	string
Sda_Name *optional*	string
Sda_Url *optional*	string
Service_Pack *optional*	string
Sound_Devices *optional*	string
Sys_Arch *optional*	string
System_Description *optional*	string
System_Directory *optional*	string
Tz_Agent *optional*	string
Uptime *optional*	string
User *optional*	string
User_Domain *optional*	string
User_Fullname *optional*	string
User_Logged *optional*	string
User_Name *optional*	string
Video_Controllers *optional*	string
Virtual *optional*	string
Wmi_Status *optional*	string

Machine_Bitlocker_Volume

Name	Schema
Conversion_Status *optional*	string
Device_Id *optional*	string
Drive_Letter *optional*	string
Encryption_Method *optional*	string
Encryption_Percentage *optional*	integer
Hardware_Encryption_Status *optional*	string
Id *optional*	integer
Identification_Field *optional*	string

Name	Schema
Is_System_Volume *optional*	integer
Key_Protectors *optional*	string
Lock_Status *optional*	string
Persistent_Volume_Id *optional*	string
Protection_Status *optional*	string
Self_Encryption_Drive_Encryption_Method *optional*	string
Version *optional*	integer
Wiping_Percentage *optional*	integer
Wiping_Status *optional*	string

Machine_Chromeos_Details

Name	Schema
Annotated_Location *optional*	string
Annotated_User *optional*	string
Boot_Mode *optional*	string
Device_Id *optional*	string
Firmware_Version *optional*	string
Id *optional*	integer
Mac_Address *optional*	string
Machine_Chromeos_Details_Id *optional*	integer
Meid *optional*	string
Model *optional*	string
Notes *optional*	string
Order_Number *optional*	string
Org_Unit_Path *optional*	string
Os_Version *optional*	string
Platform_Version *optional*	string
Serial_Number *optional*	string
Status *optional*	string

Name	Schema
Will_Auto_Renew *optional*	integer

Machine_Daily_Uptime

Name	Schema
Id *optional*	integer
Machine_Id *optional*	integer

Machine_Ddpe

Name	Schema
Agent_Version *optional*	string
Id *optional*	integer
Mcid *optional*	string
Protection_Status *optional*	string
Server_Hostname *optional*	string

Machine_Ddpe_Volume

Name	Schema
Device_Id *optional*	string
Id *optional*	integer
Protection_Reason *optional*	string
Protection_Status *optional*	string

Machine_Disks

Name	Schema
Id *optional*	integer

Name	Schema
Name *optional*	string

Machine_Drive_Encryption_Summary

Name	Schema
Id *optional*	integer
Is_Drive_Encryption_Enabled *optional*	integer
Is_Drive_Protected *optional*	integer
Protection_Reason *optional*	string

Machine_Filevault_Volume

Name	Schema
Authorized_Users *optional*	string
Conversion_Percentage *optional*	integer
Conversion_Status *optional*	string
Device_Id *optional*	string
Encryption_Status *optional*	string
Encryption_Type *optional*	string
Has_Institutional_Recovery_Key *optional*	integer
Has_Personal_Recovery_Key *optional*	integer
Id *optional*	integer
Is_Enabled *optional*	integer
Version *optional*	string

Machine_Intel_Amt

Name	Schema
Configuration_Mode *optional*	string
Control_Mode *optional*	string
Fw_Version *optional*	string
Id *optional*	integer

Name	Schema
Is_Amt_Configured *optional*	integer
Is_Amt_Enabled_In_Bios *optional*	integer
Is_Amt_Supported *optional*	integer
Is_Mei_Enabled *optional*	integer
Mei_Version *optional*	string
Sku *optional*	string
State *optional*	string
Version *optional*	string

Machine_Location

Name	Schema
Counrty *optional*	string
Country_Code *optional*	string
Id *optional*	integer
Locality *optional*	string
Machine_Location_Id *optional*	integer
Postal_Code *optional*	string
Region *optional*	string
Street_Address *optional*	string

Machine_Mobile

Name	Schema
Activation_Lock_Allowed *optional*	integer
Activation_Lock_Bypass_Code *optional*	string
Activation_Lock_Enabled *optional*	integer
Battery_Level *optional*	string
Carrier *optional*	string
Current_Carrier_Network *optional*	string
Data_Roaming_Enabled *optional*	integer
Dep_Assigned_By *optional*	string

Name	Schema
Dep_Profile *optional*	string
Dep_Profile_Status *optional*	string
Device_Type *optional*	string
Do_Not_Disturb_Enabled *optional*	integer
Eas_Device_Id *optional*	string
Iccid *optional*	string
Icloud_Enabled *optional*	integer
Id *optional*	integer
Imei *optional*	string
Is_Compliant *optional*	integer
Is_Dep_Configured *optional*	integer
Is_Dep_Managed *optional*	integer
Is_Encrypted *optional*	integer
Is_Enrolled *optional*	integer
Is_Itunes_Account_Active *optional*	integer
Is_Lost *optional*	integer
Is_Rooted *optional*	integer
Is_Supervised *optional*	integer
Locator_Service_Enabled *optional*	integer
Machine_Mobile_Id *optional*	integer
Meid *optional*	string
Modem_Firmware *optional*	string
Phone_Number *optional*	string
Udid *optional*	string
Voice_Roaming_Enabled *optional*	integer
Wifi_Bytes_Recv *optional*	integer
Wifi_Bytes_Sent *optional*	integer
Wwan_Bytes_Recv *optional*	integer
Wwan_Bytes_Sent *optional*	integer

Machine_Nics

Name	Schema
Dhcp_Enabled *optional*	string
Dnsdoman *optional*	string
Dnshostname *optional*	string
Id *optional*	integer
Ip *optional*	string
Ipv6_Config *optional*	string
Mac *optional*	string
Netmask *optional*	string
Nic *optional*	string
Nic_Id *optional*	integer

Machine_Replitem

Name	Schema
Checksum *optional*	string
Error *optional*	integer
File_Name *optional*	string
File_Size *optional*	integer
Machine_Id *optional*	integer
Ordinal *optional*	integer
Path *optional*	string
Type *optional*	string
Type_Id *optional*	string
Zip_Package *optional*	string

Machine_Snmp_Data

Name	Schema
Full_Walk *optional*	string
Machine_Id *optional*	integer

Name	Schema
Machine_Snmp_Data_Id *optional*	integer

Machine_Tpm

Name	Schema
Id *optional*	integer
Is_Activated *optional*	integer
Is_Enabled *optional*	integer
Is_Owned *optional*	integer
Manufacturer_Id *optional*	integer
Manufacturer_Id_Text *optional*	string
Manufacturer_Version *optional*	string
Manufacturer_Version_Info *optional*	string
Physical_Presence_Version_Info *optional*	string
Specification_Version *optional*	string

Mi_Attempt

Name	Schema
Attempt_Count *optional*	integer
Machine_Id *optional*	integer
Mi_Id *optional*	integer
Run_Now *optional*	integer

Node

Name	Schema
Aw_Id *optional*	string
Aw_Status *optional*	integer
Chromeos_Id *optional*	string
Chromeos_Status *optional*	integer
Cli_Status *optional*	integer

Name	Schema
Dmm_Id *optional*	string
Dmm_Status *optional*	integer
G_Mobile_Id *optional*	string
G_Mobile_Status *optional*	integer
Host_Name *optional*	string
Id *optional*	integer
Ip *optional*	string
Kmm_Id *optional*	string
Kmm_Status *optional*	integer
Ldap_Status *optional*	integer
Mac *optional*	string
Machine_Id *optional*	integer
Nmap_Status *optional*	integer
Os_Type *optional*	string
Ping_Status *optional*	integer
Real_Name *optional*	string
Relay_Machine_Id *optional*	integer
Scan_Settings_Id *optional*	integer
Snmp_Contact *optional*	string
Snmp_Status *optional*	integer
Snmp_Sysdescr *optional*	string
Snmp_Uptime *optional*	string
Snmp_Version *optional*	integer
Snmp_Walk_Data *optional*	string
Socket_Status *optional*	integer
Vmware_Status *optional*	integer
Vmware_Type *optional*	integer
Winrm_Status *optional*	integer

Node_Snmp_If

Name	Schema
Admin_Status *optional*	string
Descr *optional*	string
Id *optional*	integer
Ifindex *optional*	integer
In_Discards *optional*	integer
In_Errors *optional*	integer
In_Nucastpkts *optional*	integer
In_Octets *optional*	integer
In_Ucastpkts *optional*	integer
In_Unknownprotos *optional*	integer
Last_Change *optional*	string
Mtu *optional*	integer
Oper_Status *optional*	string
Out_Discards *optional*	integer
Out_Errors *optional*	integer
Out_Nucastpkts *optional*	integer
Out_Octets *optional*	integer
Out_Ucastpkts *optional*	integer
Phys_Address *optional*	string
Specific *optional*	string
Speed *optional*	integer
Type *optional*	string

Node_Snmp_System

Name	Schema
Contact *optional*	string
Description *optional*	string
Full_Walk *optional*	string
Id *optional*	integer
Location *optional*	string
Name *optional*	string

Name	Schema
Object_Id *optional*	string
Uptime *optional*	string

Ntservice

Name	Schema
Can_Interact_With_Desktop *optional*	string
Category *optional*	string
Command_Args *optional*	string
Command_Exe *optional*	string
Company_Name *optional*	string
Description *optional*	string
Display_Name *optional*	string
File_Description *optional*	string
File_Name *optional*	string
File_Version *optional*	string
Id *optional*	integer
Logon_As_User *optional*	string
Name *optional*	string
Notes *optional*	string
Product_Name *optional*	string
Product_Version *optional*	string
Startup_Type *optional*	string
Status *optional*	string
Threat *optional*	integer

Operating_Systems

Name	Schema
Arch *optional*	string
Build *optional*	string
Common_Name *optional*	string

Name	Schema
Description *optional*	string
Family *optional*	string
Id *optional*	integer
Major_Version *optional*	integer
Managed *optional*	integer
Minor2_Version *optional*	integer
Minor_Version *optional*	integer
Name *optional*	string
Os_Family_Id *optional*	integer
Os_Product_Id *optional*	integer
Patch_Package_Code *optional*	string
Sp *optional*	integer

Patch_Machine_Status

Name	Schema
Deploy_Attempt_Count *optional*	integer
Deploy_Error_Code *optional*	integer
Deploy_Status *optional*	string
Detect_Error_Code *optional*	integer
Detect_Rdesc *optional*	string
Detect_Status *optional*	string
Is_Error *optional*	integer
Machine_Id *optional*	integer
Max_Deploy_Attempt *optional*	integer
Max_Rollback_Attempt *optional*	integer
Patch_Applicable *optional*	integer
Patch_Id *optional*	string
Patch_Installed *optional*	integer
Product_Installed *optional*	integer
Rollback_Attempt_Count *optional*	integer
Rollback_Error_Code *optional*	integer

Name	Schema
Rollback_Status *optional*	string

Patch_Schedule_Run_Machine

Name	Schema
Id *optional*	integer
Machine_Id *optional*	integer
Patch_Schedule_Id *optional*	integer
Patch_Schedule_Run_Id *optional*	integer
Status *optional*	string

Process

Name	Schema
Category *optional*	string
Command_Args *optional*	string
Command_Exe *optional*	string
Company_Name *optional*	string
File_Description *optional*	string
File_Name *optional*	string
File_Version *optional*	string
Id *optional*	integer
Name *optional*	string
Notes *optional*	string
Product_Name *optional*	string
Product_Version *optional*	string
Threat *optional*	integer

Sam_Meter

Name	Schema
Id *optional*	integer

Name	Schema
Last_Report *optional*	string
Machine_Id *optional*	integer

Sam_Meter_Data

Name	Schema
Id *optional*	integer
Is_Mobile *optional*	integer
Latest_Entry *optional*	integer
Launches *optional*	integer
Machine_Id *optional*	integer
Process_Id *optional*	string
Seconds_Used *optional*	integer
Titled_Application_Id *optional*	string
User_Data *optional*	string
Version *optional*	string

Software

Name	Schema
Category *optional*	string
Checksum *optional*	string
Comments *optional*	string
Contact *optional*	string
Custom_Field_Value0 *optional*	string
Custom_Field_Value1 *optional*	string
Custom_Field_Value2 *optional*	string
Custom_Field_Value3 *optional*	string
Custom_Field_Value4 *optional*	string
Custom_Field_Value5 *optional*	string
Display_Name *optional*	string
Display_Version *optional*	string

Name	Schema
Dont_Replicate *optional*	integer
File_Name *optional*	string
File_Size *optional*	integer
Help_Link *optional*	string
Help_Telephone *optional*	string
Id *optional*	integer
Install_Date *optional*	string
Inventory_Rule *optional*	string
Is_Manual *optional*	integer
Is_Patch *optional*	integer
Notes *optional*	string
Publisher *optional*	string
Quiet_Uninstall_String *optional*	string
Readme *optional*	string
Rule_Data_Type *optional*	integer
Rule_Flag *optional*	integer
Threat *optional*	integer
Uninstall_String *optional*	string
Urlinfo_About *optional*	string
Version *optional*	string

Startupprogram

Name	Schema
Category *optional*	string
Command_Args *optional*	string
Command_Exe *optional*	string
Company_Name *optional*	string
File_Description *optional*	string
File_Name *optional*	string
File_Version *optional*	string
Id *optional*	integer

Name	Schema
Name *optional*	string
Notes *optional*	string
Product_Name *optional*	string
Product_Version *optional*	string
Threat *optional*	integer

machine_custom_inventory

Name	Schema
name *optional*	string
type *optional*	string
value *optional*	string

machine_uploaded_file

Name	Schema
id *optional*	integer
name *optional*	string
size *optional*	integer

Managed Install API Reference

KACE SMA Managed Install API Reference

Overview

Version information

Version : 14.0

URI scheme

BasePath : /api/mi

Consumes

- `application/json`

Produces

- `application/json`

Paths

GET /api/managed_install/mamaged_installs/{id}/machines

Description

Returns devices targeted by the managed install

Parameters

Type	Name	Description	Schema
Path	**id** *required*	Managed Install ID	integer
Query	**filtering** *optional*		string
Query	**offset** *optional*		string
Query	**paging** *optional*		string
Query	**shaping** *optional*		string
Query	**sorting** *optional*		string

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Machines *optional*	< machine > array

GET /api/managed_install/managed_installs

Description

Returns a list of all managed installs.

Parameters

Type	Name	Schema
Query	**filtering** *optional*	string
Query	**offset** *optional*	string
Query	**paging** *optional*	string
Query	**shaping** *optional*	string

Type	Name	Schema
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	< string > array

GET /api/managed_install/managed_installs/{id}

Description

Gets the details of this managed install

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	string

PUT /api/managed_install/managed_installs/{id}/add_to_machines

Description

Adds devices to a managed install.

Parameters

Type	Name	Description	Schema
Path	**id** *required*		integer
Query	**use_count** *optional*		string
Query	**use_count_only** *optional*		string
Query	**use_pretty_print** *optional*		boolean
Body	**machines** *required*	A payload with the machines to update. For example: { "Machines" : ["id"]}	json

Responses

HTTP Code	Schema
200	No Content

GET /api/managed_install/managed_installs/{id}/compatible_machines

Description

Returns a list of compatible devices for this managed install.

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**filtering** *optional*	string
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	< string > array

GET /api/managed_install/managed_installs/{id}/file

Description

Gets the file associated with this managed install.

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string

Type	Name	Schema
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	string

PUT /api/managed_install/managed_installs/{id}/remove_from_machines

Description

Removed devices from a managed install.

Parameters

Type	Name	Description	Schema
Path	**id** *required*		integer
Query	**use_count** *optional*		string
Query	**use_count_only** *optional*		string
Query	**use_pretty_print** *optional*		boolean
Body	**machines** *required*	A payload with the machines to update	json

Responses

HTTP Code	Schema
200	No Content

GET /api/mi/compatible_machines

Description

Returns a list of compatible machines

Parameters

Type	Name	Schema
Query	**filtering** *optional*	string
Query	**offset** *optional*	string
Query	**paging** *optional*	string
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	< string > array

GET /api/mi/files

Description

Returns the list of files available to managed installs.

Parameters

Type	Name	Schema
Query	**filtering** *optional*	string

Responses

HTTP Code	Schema
200	< string > array

Definitions

machine

Name	Schema
id *optional*	integer
name *optional*	string
user *optional*	string

Scripting API Reference

KACE SMA Scripting API Reference

Overview

Version information

Version : 14.0

URI scheme

BasePath : /api/script

Consumes

- `application/json`

Produces

- `application/json`

Paths

POST /api/script

Description

Creates a new script

Parameters

Type	Name	Schema
Body	**scriptDTO** *required*	ScriptShellDTO

Responses

HTTP Code	Schema
200	ScriptShellDTO

GET /api/script/runStatus/{runId}

Description

Get status of progress script

Parameters

Type	Name	Schema
Path	**runId** *required*	integer

Responses

HTTP Code	Schema
200	RunStatusDTO

GET /api/script/{scriptId}

Description

Get a specific script

Parameters

Type	Name	Schema
Path	**scriptId** *required*	integer

Responses

HTTP Code	Schema
200	ScriptShellDTO

PUT /api/script/{scriptId}

Description

Updates a specific script

Parameters

Type	Name	Schema
Path	**scriptId** *required*	integer
Body	**scriptDTO** *required*	ScriptShellDTO

Responses

HTTP Code	Schema
200	ScriptShellDTO

DELETE /api/script/{scriptId}

Description

Removes a specific script with all dependencie

Parameters

Type	Name	Schema
Path	**scriptId** *required*	integer

Responses

HTTP Code	Schema
200	No Content

POST /api/script/{scriptId}/actions/run

Description

Executes a specific script

Parameters

Type	Name	Description	Schema
Path	**scriptId** *required*		integer

Type	Name	Description	Schema
Query	**machineIDs** *required*	list of machine IDs to run on, or 'all'	integer

Responses

HTTP Code	Schema
200	integer

GET /api/script/{scriptId}/dependencies

Description

Get all dependency of script

Parameters

Type	Name	Schema
Path	**scriptId** *required*	integer

Responses

HTTP Code	Schema
200	< DependencyDTO > array

POST /api/script/{scriptId}/dependency/{dependencyName}

Description

Uploads and attaches a new dependency

Parameters

Type	Name	Schema
Path	**dependencyName** *required*	string
Path	**scriptId** *required*	integer
Body	**file** *required*	file

Responses

HTTP Code	Schema
200	DependencyDTO

GET /api/script/{scriptId}/dependency/{dependencyName}

Description

Get a specific dependency of script

Parameters

Type	Name	Schema
Path	**dependencyName** *required*	string
Path	**scriptId** *required*	integer

Responses

HTTP Code	Schema
200	DependencyDTO

PUT /api/script/{scriptId}/dependency/{dependencyName}

Description

Update a specific dependency

Parameters

Type	Name	Schema
Path	**dependencyName** *required*	string
Path	**scriptId** *required*	integer
Body	**file** *required*	file

Responses

HTTP Code	Schema
200	DependencyDTO

DELETE /api/script/{scriptId}/dependency/{dependencyName}

Description

Removes a specific dependency of script

Parameters

Type	Name	Schema
Path	**dependencyName** *required*	string
Path	**scriptId** *required*	integer

Responses

HTTP Code	Schema
200	No Content

GET /api/script/{scriptId}/dependency/{dependencyName}/download

Description

Download binary dependency data of script. Allows to download streaming data

Parameters

Type	Name	Schema
Path	**dependencyName** *required*	string
Path	**scriptId** *required*	integer

Responses

HTTP Code	Schema
200	file

POST /api/script/{scriptId}/task

Description

Creates a new task

Parameters

Type	Name	Schema
Path	**scriptId** *required*	integer

Type	Name	Schema
Body	**taskDTO** *required*	TaskDTO

Responses

HTTP Code	Schema
200	< TaskDTO > array

GET /api/script/{scriptId}/task/{orderId}

Description

Update a specific task

Parameters

Type	Name	Schema
Path	**orderId** *required*	integer
Path	**scriptId** *required*	integer

Responses

HTTP Code	Schema
200	TaskDTO

PUT /api/script/{scriptId}/task/{orderId}

Description

Update a specific task

Parameters

Type	Name	Schema
Path	**orderId** *required*	integer
Path	**scriptId** *required*	integer
Body	**taskDTO** *required*	TaskDTO

Responses

HTTP Code	Schema
200	< TaskDTO > array

DELETE /api/script/{scriptId}/task/{orderId}

Description

Removes a specific task of script

Parameters

Type	Name	Schema
Path	**orderId** *required*	integer
Path	**scriptId** *required*	integer

Responses

HTTP Code	Schema
200	< TaskDTO > array

GET /api/script/{scriptId}/tasks

Description

Get all tasks of specific script

Parameters

Type	Name	Schema
Path	**scriptId** *required*	integer

Responses

HTTP Code	Schema
200	< TaskDTO > array

GET /api/scripts

Description

Get all founded scripts

Parameters

Type	Name	Description	Schema
Query	**compatibleForMachineId** *optional*	machine identificator	string
Query	**count** *optional*	the maximum number of rows to return	integer
Query	**searchText** *optional*	text to search is the Description and Notes fields of a script	string
Query	**sorting** *optional*	comma-separated list to sort results	string

Type	Name	Description	Schema
Query	**start** *optional*	offset of the first row to return	integer
Query	**type** *optional*	public, private or all	string

Responses

HTTP Code	Schema
200	< ScriptShellDTO > array

Definitions

DependencyDTO

Name	Schema
checksum *optional*	string
fileSize *optional*	integer(integer)
name *optional*	string

MachineDTO

Name	Schema
ip *optional*	string
kbotLogId *optional*	integer(integer)
machineId *optional*	integer(integer)
name *optional*	string
requestStatus *optional*	string
requestTime *optional*	string
status *optional*	integer(integer)

RunStatusDTO

Name	Schema
failed *optional*	< MachineDTO > array
pending *optional*	< MachineDTO > array
pushFailed *optional*	< MachineDTO > array
scriptId *optional*	integer(integer)
success *optional*	< MachineDTO > array
targeted *optional*	< MachineDTO > array

ScriptOfflineDTO

Name	Schema
dependencies *optional*	< DependencyDTO > array
description *optional*	string
enabled *optional*	boolean(boolean)
id *optional*	integer(integer)
machines *optional*	< object > array
name *optional*	string
notes *optional*	string
osTypes *optional*	< object > array
schedule *optional*	< string > array
scheduleType *optional*	string
status *optional*	string
tasks *optional*	< TaskDTO > array
type *optional*	string

ScriptOnlineDTO

Name	Schema
alertDialogOptions *optional*	< object > array
alertDialogTimeout *optional*	integer(integer)
alertDialogTimeoutAction *optional*	string
alertEnabled *optional*	boolean(boolean)
alertMessage *optional*	string

Name	Schema
alertSnoozeDuration *optional*	integer(integer)
dependencies *optional*	< DependencyDTO > array
description *optional*	string
enabled *optional*	boolean(boolean)
id *optional*	integer(integer)
machines *optional*	< object > array
name *optional*	string
notes *optional*	string
osTypes *optional*	< object > array
runAs *optional*	integer(integer)
schedule *optional*	< string > array
scheduleType *optional*	string
status *optional*	string
tasks *optional*	< TaskDTO > array
type *optional*	string

ScriptShellDTO

Name	Schema
alertDialogOptions *optional*	< object > array
alertDialogTimeout *optional*	integer(integer)
alertDialogTimeoutAction *optional*	string
alertEnabled *optional*	boolean(boolean)
alertMessage *optional*	string
alertSnoozeDuration *optional*	integer(integer)
dependencies *optional*	< DependencyDTO > array
description *optional*	string
enabled *optional*	boolean(boolean)
fileName *optional*	string
id *optional*	integer(integer)
machines *optional*	< object > array
name *optional*	string

Name	Schema
notes *optional*	string
osTypes *optional*	< object > array
removeFiles *optional*	boolean(boolean)
runAs *optional*	integer(integer)
schedule *optional*	< string > array
scheduleType *optional*	string
scriptText *optional*	string
status *optional*	string
tasks *optional*	< TaskDTO > array
timeout *optional*	integer(integer)
type *optional*	string
uploadFile *optional*	boolean(boolean)
uploadFileName *optional*	string
uploadFilePath *optional*	string

TaskDTO

Name	Schema
attempts *optional*	integer(integer)
onFailure *optional*	string
onRemediationFailure *optional*	< TaskStepDTO > array
onRemediationSuccess *optional*	< TaskStepDTO > array
onVerifyFailure *optional*	< TaskStepDTO > array
onVerifySuccess *optional*	< TaskStepDTO > array
ordinalId *optional*	integer(integer)
verify *optional*	< TaskStepDTO > array

TaskStepDTO

Name	Schema
id *optional*	integer(integer)
params *optional*	object

User API Reference

KACE SMA User API Reference

Overview

Version information

Version : 14.0

URI scheme

BasePath : /api/user

Consumes

- `application/json`

Produces

- `application/json`

Paths

GET /api/users/me/

Description

Gets additional user information associated with the currently logged in user.

Responses

HTTP Code	Schema
200	UserSessionData

GET /api/users/users/

Description

Retrieves user records.

Parameters

Type	Name	Schema
Query	**filtering** *optional*	string
Query	**paging** *optional*	string
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Users *optional*	< user > array

GET /api/users/users/{id}

Description

Returns the user associated with the id

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**shaping** *optional*	string

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Users *optional*	< user > array

GET /api/users/{id}/permissions/

Description

Gets the list of permissions associated with the user.

Parameters

Type	Name	Schema
Path	**id** *required*	integer

Responses

HTTP Code	Schema
200	Permissions

Definitions

Permissions

Name	Schema
canAddTickets *optional*	boolean
canAddTicketsUserPortal *optional*	boolean
licensedFeatures *optional*	< object > array
permissions *optional*	< object > array
userId *optional*	integer

UserSessionData

Name	Schema
RESTAPIVersion *optional*	integer
apiEnabled *optional*	boolean
canAddTickets *optional*	boolean
canAddTicketsUserPortal *optional*	boolean
currentOrgId *optional*	integer
defaultQueueID *optional*	integer
licensedFeatures *optional*	< object > array
localTimezone *optional*	string
loggedin *optional*	string
loggedinEmail *optional*	string

Name	Schema
loggedinFullName *optional*	string
loggedinId *optional*	integer
multiple_org_ui *optional*	integer
org_count *optional*	integer
orgs *optional*	< object > array
permissions *optional*	< object > array
serialNumber *optional*	string
userId *optional*	integer

user

Name	Schema
api_enabled *optional*	integer
archived_by *optional*	integer
budget_code *optional*	string
device_count *optional*	integer
domain *optional*	string
email *optional*	string
full_name *optional*	string
hd_default_queue_id *optional*	integer
hd_default_view *optional*	string
home_phone *optional*	string
id *optional*	integer
is_archived *optional*	integer
ldap_uid *optional*	string
level *optional*	integer
linked_appliance_id *optional*	integer
locale_browser_id *optional*	integer
location_id *optional*	integer
manager_id *optional*	integer
mobile_phone *optional*	string
pager_phone *optional*	string

Name	Schema
password *optional*	string
path *optional*	string
permissions *optional*	integer
primary_device_id *optional*	integer
role_id *optional*	integer
sales_notifications *optional*	integer
security_notifications *optional*	integer
user_name *optional*	string
work_phone *optional*	string

Service Desk API Reference

KACE SMA Service Desk API Reference

Overview

Version information

Version : 14.0

URI scheme

BasePath : /api/service_desk

Consumes

- `application/json`

Produces

- `application/json`

Paths

GET /api/service_desk/queues/

Description

Returns a list of all queues

Parameters

Type	Name	Description	Schema	Default
Query	**filterOptions** *optional*	The name of join set to insert in base query	string	""
Query	**filtering** *optional*		string	
Query	**offset** *optional*		string	
Query	**paging** *optional*		string	
Query	**shaping** *optional*		string	
Query	**sorting** *optional*		string	

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Queues *optional*	< hd_queue > array

GET /api/service_desk/queues/{id}

Description

Returns the queue associated with the id

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**shaping** *optional*	string

Type	Name	Schema
Query	**sorting** *optional*	string

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Queues *optional*	< hd_queue > array

GET /api/service_desk/queues/{id}/patterns/{id}

Description

Returns the queue associated with the id

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Path	**queueID** *required*	integer
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Queues *optional*	< hd_queue > array

GET /api/service_desk/queues/{id}/ticket_owners

Description

Returns ticket owners for the specified queue

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**filtering** *optional*	string
Query	**paging** *optional*	string
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Users *optional*	< user > array

GET /api/service_desk/queues/{id}/ticket_submitters

Description

Returns ticket submitters for the specified queue

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Query	**filtering** *optional*	string
Query	**paging** *optional*	string
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Users *optional*	< user > array

GET /api/service_desk/queues/{id}/ticket_template

Description

Returns a ticket template for the specified queue, usable for ticket creation

Parameters

Type	Name	Description	Schema	Default
Path	**id** *required*		integer	
Query	**pattern** *optional*	The ID of ticket template to apply	string	""
Query	**unpackSelects** *optional*	Return multiselect custom fields as arrays of strings	string	""

Type	Name	Description	Schema	Default
Query	**use_count** *optional*		string	
Query	**use_count_only** *optional*		string	
Query	**use_pretty_print** *optional*		boolean	

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Tickets *optional*	< hd_ticket > array

GET /api/service_desk/queues/{queueID}/fields

Description

Returns a list of all a queue’s fields

Parameters

Type	Name	Description	Schema	Default
Query	**pattern** *optional*	The ID of ticket template to apply	string	""
Query	**unpackSelects** *optional*	Return multiselect custom fields as arrays of strings	string	""
Query	**use_pretty_print** *optional*		boolean	

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Users *optional*	< ticket_field > array

GET /api/service_desk/queues/{queueID}/patterns

Description

Returns a list of a queue’s patterns

Parameters

Type	Name	Description	Schema	Default
Path	**queueID** *required*		integer	
Query	**filterOptions** *optional*	Expected usage of list - can be forCreate	string	""
Query	**filtering** *optional*		string	
Query	**offset** *optional*		string	
Query	**paging** *optional*		string	
Query	**shaping** *optional*		string	
Query	**sorting** *optional*		string	
Query	**use_count** *optional*		string	
Query	**use_count_only** *optional*		string	
Query	**use_pretty_print** *optional*		boolean	

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Patterns *optional*	< hd_ticket_template > array

GET /api/service_desk/settings

Description

Returns queue terminology

Responses

HTTP Code	Schema
200	object

POST /api/service_desk/tickets

Description

Creates a new ticket

Parameters

Type	Name	Schema
Body	**ticketData** *required*	ticketData

ticketData

Name	Schema
Tickets *optional*	< hd_ticket > array

Responses

HTTP Code	Schema
200	string

GET /api/service_desk/tickets

Description

Returns a list of all tickets. Sub-entities that can be used on shaping and filtering directives include owner, submitter, queue, category, priority, status, machine, asset, related_tickets, referring_tickets

Parameters

Type	Name	Description	Schema	Default
Query	**filtering** *optional*	Comma-separated list of filter directives	string	
Query	**paging** *optional*	Paging directive including limit and offset	string	
Query	**shaping** *optional*	Comma-separated list of shape directives	string	
Query	**sorting** *optional*	Comma-separated list of sorting directives	string	
Query	**unpackSelects** *optional*	Return multiselect custom fields as arrays of strings	string	""
Query	**use_count** *optional*		string	
Query	**use_count_only** *optional*		string	
Query	**use_pretty_print** *optional*		boolean	

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Tickets *optional*	< hd_ticket > array

POST /api/service_desk/tickets/stats

Description

Performs an arbitrary number of fetch requests

Parameters

Type	Name	Schema
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean
Body	**ticketStatsRequestData** *required*	ticketStatsRequestData

ticketStatsRequestData

Name	Schema
Stats *optional*	< statistics_request > array

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Stats *optional*	< statistics_response > array

POST /api/service_desk/tickets/{id}

Description

Updates a ticket

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Body	**ticketData** *required*	ticketData

ticketData

Name	Schema
Tickets *optional*	< hd_ticket > array

Responses

HTTP Code	Schema
200	string

GET /api/service_desk/tickets/{id}

Description

Returns the asset associated with the id

Parameters

Type	Name	Description	Schema	Default
Path	**id** *required*		integer	
Query	**applyPattern** *optional*	Applies ticket template associated with ticket if any	string	**""**
Query	**shaping** *optional*	Comma-separated list of shape directives	string	
Query	**sorting** *optional*	Comma-separated list of sorting directives for subqueries	string	
Query	**unpackSelects** *optional*	Return multiselect custom fields as arrays of strings	string	**""**

Type	Name	Description	Schema	Default
Query	**use_count** *optional*		string	
Query	**use_count_only** *optional*		string	
Query	**use_pretty_print** *optional*		boolean	

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Tickets *optional*	< hd_ticket > array

PUT /api/service_desk/tickets/{id}

Description

Updates a ticket

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Body	**ticketData** *required*	ticketData

ticketData

Name	Schema
Tickets *optional*	< hd_ticket > array

Responses

HTTP Code	Schema
200	string

DELETE /api/service_desk/tickets/{id}

Description

Removes a ticket

Parameters

Type	Name	Schema
Path	**id** *required*	integer

Responses

HTTP Code	Schema
200	string

POST /api/service_desk/tickets/{id}/approve

Description

Approves a ticket

Parameters

Type	Name	Schema
Body	**approvalData** *required*	approvalData

approvalData

Name	Schema
approvalNote *optional*	string

Responses

HTTP Code	Schema
200	string

POST /api/service_desk/tickets/{id}/clearApproval

Description

Clears approval of a previously approved/rejected ticket

Responses

HTTP Code	Schema
200	string

GET /api/service_desk/tickets/{id}/clone

Description

Returns a ticket template for a cloned ticket

Parameters

Type	Name	Schema
Path	**id** *required*	integer

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Tickets *optional*	< hd_ticket > array

PUT /api/service_desk/tickets/{id}/move_to_queue/{queueID}

Description

Moves a ticket to a different queue

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Path	**queueID** *required*	integer

Responses

HTTP Code	Schema
200	string

POST /api/service_desk/tickets/{id}/reject

Description

Rejects a ticket

Parameters

Type	Name	Schema
Body	**approvalData** *required*	approvalData

approvalData

Name	Schema
approvalNote *optional*	string

Responses

HTTP Code	Schema
200	string

PUT /api/service_desk/tickets/{id}/switch_pattern/{patternID}

Description

Changes ticket to different pattern

Parameters

Type	Name	Schema
Path	**id** *required*	integer
Path	**patternID** *required*	integer

Responses

HTTP Code	Schema
200	string

PUT /api/service_desk/tickets/{ticketID}/change/{changeID}

Description

Updates a ticket change. For now only supports adjusting owner only setting.

Parameters

Type	Name	Schema
Path	**changeID** *required*	integer
Path	**ticketID** *required*	integer
Body	**changeData** *required*	changeData

changeData

Name	Schema
Changes *optional*	< hd_ticket_change > array

Responses

HTTP Code	Schema
200	string

GET /api/service_desk/tickets/{ticketID}/changes

Description

Returns a list of all changes for a ticket

Parameters

Type	Name	Schema
Path	**ticketID** *required*	integer
Query	**filtering** *optional*	string
Query	**offset** *optional*	string
Query	**paging** *optional*	string
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string

Type	Name	Schema
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Changes *optional*	< hd_ticket_change > array

GET /api/service_desk/tickets/{ticketID}/changes/{changeID}/attachments/{attachmentID}

Description

Returns an attachment

Parameters

Type	Name	Schema
Path	**attachmentID** *required*	integer
Path	**changeID** *required*	integer
Path	**ticketID** *required*	integer

Responses

HTTP Code	Schema
200	string(binary)

POST /api/service_desk/tickets/{ticketID}/work

Description

Creates a new ticket work item

Parameters

Type	Name	Schema
Path	**ticketID** *required*	integer
Body	**workData** *required*	workData

workData

Name	Schema
Work *optional*	< hd_work > array

Responses

HTTP Code	Schema
200	string

GET /api/service_desk/tickets/{ticketID}/work

Description

Returns a list of all work items for the specified ticket

Parameters

Type	Name	Schema
Path	**ticketID** *required*	integer
Query	**filtering** *optional*	string
Query	**offset** *optional*	string
Query	**paging** *optional*	string
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Work *optional*	< hd_work > array

GET /api/service_desk/tickets/{ticketID}/work/{workID}

Description

Returns the asset associated with the id

Parameters

Type	Name	Schema
Path	**ticketID** *required*	integer
Path	**workID** *required*	integer
Query	**shaping** *optional*	string
Query	**sorting** *optional*	string

Type	Name	Schema
Query	**use_count** *optional*	string
Query	**use_count_only** *optional*	string
Query	**use_pretty_print** *optional*	boolean

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Work *optional*	< hd_work > array

DELETE /api/service_desk/tickets/{ticketID}/work/{workID}

Description

Removes a ticket work item

Parameters

Type	Name	Schema
Path	**ticketID** *required*	integer
Path	**workID** *required*	integer

Responses

HTTP Code	Schema
200	string

Definitions

asset

Name	Schema
asset_class_id *optional*	integer
asset_data_id *optional*	integer
asset_status_id *optional*	integer
asset_type_id *optional*	integer
id *optional*	integer
mapped_id *optional*	integer
name *optional*	string
owner_id *optional*	integer

hd_category

Name	Schema
cc_List *optional*	string
default_owner_id *optional*	integer
hd_queue_id *optional*	integer
id *optional*	integer
name *optional*	string
ordinal *optional*	integer
user_settable *optional*	integer

hd_impact

Name	Schema
id *optional*	integer

Name	Schema
name *optional*	string
ordinal *optional*	integer

hd_priority

Name	Schema
color *optional*	string
escalation_minutes *optional*	integer
hd_queue_id *optional*	integer
id *optional*	integer
is_sla_enabled *optional*	integer
name *optional*	string
ordinal *optional*	integer
resolution_due_date_minutes *optional*	integer
sla_notification_recurrence_minutes *optional*	integer
use_business_hours_for_escalation *optional*	integer
use_business_hours_for_sla *optional*	integer

hd_queue

Name	Description	Schema
allow_all_approvers *optional*		integer
allow_all_users *optional*		integer
allow_delete *optional*		integer
allow_manager_comment_via_userui *optional*		integer
allow_owners_edit_all_comment *optional*		integer
allow_owners_via_adminui *optional*		integer
allow_parent_close *optional*		integer

Name	Description	Schema
allow_users_edit_own_comment *optional*		integer
alt_email_addr *optional*		string
archive_interval *optional*		string
auto_add_cclist_on_comment *optional*		integer
categories *optional*	hd_category data returned when shaping=categories is requested	< hd_category > array
conflict_warning_enabled *optional*		integer
create_users_on_email *optional*		integer
default_category_id *optional*		integer
default_impact_id *optional*		integer
default_priority_id *optional*		integer
default_status_id *optional*		integer
email_user *optional*		string
id *optional*		integer
impacts *optional*	hd_impact data returned when shaping=impacts is requested	< hd_impact > array
name *optional*		string
owners_only_comments *optional*		integer
pop_password_enc *optional*		string
pop_server *optional*		string
pop_ssl *optional*		integer
pop_username *optional*		string
priorities *optional*	hd_priority data returned when shaping=priorities is requested	< hd_priority > array
purge_interval *optional*		string
show_new_ticket_attachments *optional*		integer

Name	Description	Schema
show_new_ticket_comments *optional*		integer
smtp_password_enc *optional*		string
smtp_port *optional*		integer
smtp_server *optional*		string
smtp_username *optional*		string
statuses *optional*	hd_status data returned when shaping=statuses is requested	< hd_status > array

hd_status

Name	Schema
id *optional*	integer
name *optional*	string
ordinal *optional*	integer
state *optional*	string

hd_ticket

Name	Description	Schema
category *optional*	hd_category data returned when shaping=category is requested	object
cc_list *optional*		string
custom_1 *optional*	Might return string or object depending on type of custom field	string
custom_2 *optional*	Might return string or object depending on type of custom field	string
custom_3 *optional*	Might return string or object depending on type of custom field	string
custom_4 *optional*	Might return string or object depending on type of custom field	string
custom_5 *optional*	Might return string or object depending on type of custom field	string
custom_6 *optional*	Might return string or object depending on type of custom field	string
custom_7 *optional*	Might return string or object depending on type of custom field	string
custom_8 *optional*	Might return string or object depending on type of custom field	string
custom_9 *optional*	Might return string or object depending on type of custom field	string

Name	Description	Schema
hd_queue_id *optional*		integer
id *optional*		integer
impact *optional*	hd_impact data returned when shaping=impact is requested	object
is_manual_due_date *optional*		integer
owner *optional*	Owner data returned when shaping=owner is requested	object
priority *optional*	hd_priority data returned when shaping=priority is requested	object
resolution *optional*		string
status *optional*	hd_status data returned when shaping=status is requested	object
submitter *optional*	Owner data returned when shaping=submitter is requested	object
summary *optional*		string
title *optional*		string

hd_ticket_change

Name	Description	Schema
attachments *optional*	attachment metadata returned when shaping=attachments requested	< ticket_attachment > array
hd_ticket_id *optional*		integer
id *optional*		integer
owners_only *optional*		integer
user *optional*	user data returned when shaping=user is requested	object
user_id *optional*		integer

hd_ticket_template

Name	Schema
is_default *optional*	integer
is_enabled *optional*	integer
is_process_only *optional*	integer
limit_template_users *optional*	integer

Name	Schema
queue_id *optional*	integer
template_name *optional*	string

hd_work

Name	Description	Schema
hd_ticket_id *optional*		integer
id *optional*		integer
note *optional*		string
user *optional*	user data returned when shaping=user is requested	object
user_id *optional*		integer
voided_by *optional*		integer

machine

Name	Schema
id *optional*	integer
name *optional*	string
user *optional*	string

statistics_request

Name	Schema
filtering *optional*	string
paging *optional*	string
shaping *optional*	string

statistics_response

Name	Schema
filtering *optional*	string

Name	Schema
paging *optional*	string
result *optional*	< object > array
shaping *optional*	string

ticket_attachment

Name	Schema
checksum *optional*	string
file_name *optional*	string
file_size *optional*	integer
hd_ticket_change_id *optional*	integer
id *optional*	integer

ticket_field

Name	Schema
column *optional*	string
jsonKey *optional*	string
required *optional*	string
type *optional*	string
values *optional*	< string > array
visible *optional*	string

user

Name	Schema
api_enabled *optional*	integer
archived_by *optional*	integer
budget_code *optional*	string
device_count *optional*	integer
domain *optional*	string
email *optional*	string

Name	Schema
full_name *optional*	string
hd_default_queue_id *optional*	integer
hd_default_view *optional*	string
home_phone *optional*	string
id *optional*	integer
is_archived *optional*	integer
ldap_uid *optional*	string
level *optional*	integer
linked_appliance_id *optional*	integer
locale_browser_id *optional*	integer
location_id *optional*	integer
manager_id *optional*	integer
mobile_phone *optional*	string
pager_phone *optional*	string
password *optional*	string
path *optional*	string
permissions *optional*	integer
primary_device_id *optional*	integer
role_id *optional*	integer
sales_notifications *optional*	integer
security_notifications *optional*	integer
user_name *optional*	string
work_phone *optional*	string

KACE SMA Service Desk API Examples

This section provides examples for adding attachments to Service Desk tickets using the KACE SMA API.

Upload an attachment as a ticket change:

Start by executing a `multipart/form-data` request on the ticket. In the `Tickets` section the array of one ticket object with the ticket updates includes the `change` group that has the requirements for the ticket change. The `attachmentSet` field inside the `change` group declares what parts to pull in as attachments for the ticket. The brackets in the `name` of the

attachment part ("`INVENTORY_FILE[]`") allow you us to have multiple parts with the same name, so you can embed up to five attachments in one ticket change.

Determine what attachments are available with a ticket:

```
GET /api/service_desk/tickets/{ticket ID}/changes?shaping=attachments limited
```

Retrieve an attachment:

To retrieve an attachment, you must provide the ticket ID, change ID, and attachment ID. These values can be obtained using the above example, Determine what attachments are available with a ticket:.

```
GET /api/service_desk/tickets/{ticket ID}/changes/{change ID}/attachments/{attachment ID}
```

User Notification Reference

KACE SMA User Notification API Reference

Overview

Version information

Version : 14.0

URI scheme

BasePath : /api/user_notifications

Consumes

- `application/json`

Produces

- `application/json`

Paths

POST /api/user_notifications/notification_controller/delete

Description

Delete a set of user notifications

Parameters

Type	Name	Schema
Body	**notificationData** *required*	notificationData

notificationData

Name	Schema
NotificationIDs *optional*	< integer > array

Responses

HTTP Code	Schema
200	string

POST /api/user_notifications/notification_controller/mark_as_read

Description

Mark a set of user notifications as read

Parameters

Type	Name	Schema
Body	**notificationData** *required*	notificationData

notificationData

Name	Schema
NotificationIDs *optional*	< integer > array

Responses

HTTP Code	Schema
200	string

GET /api/user_notifications/notifications

Description

Retrieves user notifications for the logged in user

Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
UserNotifications *optional*	< user_notification > array

Definitions

user_notification

Name	Schema
body *optional*	string
new *optional*	integer
notification_id *optional*	string
notification_type *optional*	string
time_started *optional*	integer
timestamp *optional*	integer
title *optional*	string

About us

Quest Software creates technology and solutions that build the foundation for enterprise AI. Focused on data management and governance, cybersecurity and platform modernization, Quest helps organizations address their most pressing challenges and make the promise of AI a reality. Around the globe, more than 45,000 companies including over 90% of the Fortune 500 count on Quest Software. For more information, visit www.quest.com or follow Quest Software on X (formerly Twitter) and LinkedIn.

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The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product.

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Legend

CAUTION: A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.

IMPORTANT, NOTE, TIP, MOBILE, or VIDEO: An information icon indicates supporting information.

KACE Systems Management Appliance API Reference Guide

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