KACE® Systems Management Appliance 13.1

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.

CAUT **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.**

i **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:

> **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:

> **i** **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.

i | **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}"
} ]
}
```

i | **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:

i | **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 : 13.1

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 : 13.1

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

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
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
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

Type	Name	Schema
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 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

Name	Schema
DefaultAssetStatusID optional	integer
ForSubtype optional	string
Name optional	string
Required optional	integer
Type optional	string

asset_status

Name	Schema
description optional	string
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

Name	Schema
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

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
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

Name	Schema
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
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

Name	Schema
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
user optional	string
user_domain optional	string
user_fullname optional	string
user_logged optional	string
user_name optional	string
video_controllers optional	string

Name	Schema
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
inventory_rule optional	string
is_manual optional	integer

Name	Schema
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 fields:

ℹ️ **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 : 13.1

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

Type	Name	Schema
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

Type	Name	Schema
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
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
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

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	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

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/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

Name	Schema
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
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

Name	Schema
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
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

Name	Schema
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
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

Name	Schema
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
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

Name	Schema
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
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

Name	Schema
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
Sda_Deployment_Type optional	string
Sda_Deployment_Url optional	string
Sda_Installation_Id optional	string
Sda_Name optional	string
Sda_Url optional	string

Name	Schema
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
Is_System_Volume optional	integer

Name	Schema
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

Name	Schema
Status optional	string
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

Name	Schema
Control_Mode optional	string
Fw_Version optional	string
Id optional	integer
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

Name	Schema
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
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

Name	Schema
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

Name	Schema
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
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
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

Name	Schema
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

Name	Schema
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
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

Name	Schema
Common_Name optional	string
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

Name	Schema
Patch_Id optional	string
Patch_Installed optional	integer
Product_Installed optional	integer
Rollback_Attempt_Count optional	integer
Rollback_Error_Code optional	integer
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

Name	Schema
Product_Name optional	string
Product_Version optional	string
Threat optional	integer

Sam_Meter

Name	Schema
Id optional	integer
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

Name	Schema
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
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

Name	Schema
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 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 : 13.1

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

Type	Name	Schema
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}

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

Type	Name	Schema
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}/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 : 13.1

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
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
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
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
alertSnoozeDuration optional	integer(integer)
dependencies optional	< DependencyDTO > array
description optional	string

Name	Schema
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	Schema
name optional	string
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 : 13.1

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
loggedinFullName optional	string
loggedinId optional	integer

Name	Schema
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

Name	Schema
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

Service Desk API Reference

KACE SMA Service Desk API Reference

Overview

Version information

Version : 13.1

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	""
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	""

Type	Name	Description	Schema	Default
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	

Type	Name	Description	Schema	Default
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	

Type	Name	Description		Schema	Default
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	""
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
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
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

Name	Schema
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 optional	string
ordinal optional	integer

hd_priority

Name	Schema
color optional	string
escalation_minutes optional	integer
hd_queue_id optional	integer
id optional	integer

Name	Schema
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
allow_users_edit_own_comment optional		integer
alt_email_addr optional		string
archive_interval optional		string
auto_add_cclist_on_comment optional		integer

Name	Description	Schema
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
show_new_ticket_comments optional		integer

Name	Description	Schema
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

Name	Description	Schema
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
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

Name	Description	Schema
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
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

Name	Schema
user optional	string

statistics_request

Name	Schema
filtering optional	string
paging optional	string
shaping optional	string

statistics_response

Name	Schema
filtering optional	string
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

Name	Schema
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
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

Name	Schema
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 : 13.1

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

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