

Quest™



KACE® Systems Management Appliance 9.0

API Reference Guide



# Table of Contents

About the KACE Systems Management Appliance API.....	4
Authentication and organization selection.....	4
Authorization.....	4
Access.....	5
Headers.....	5
Accept.....	5
CSRF.....	5
Content-Type.....	5
Version.....	5
Query syntax.....	5
Filtering.....	6
Operators.....	6
Existence.....	7
Filtering on related data.....	7
Using wildcards in filters.....	7
Sorting.....	8
Paging.....	8
Shaping.....	9
Counts.....	9
Examples.....	9
Login example.....	10
Update a location example.....	10
Create an inventory example.....	11
Query examples.....	12
API Reference.....	14
Asset API Reference.....	57
Inventory API Reference.....	69
Managed Install API Reference.....	108
Reporting API Reference.....	118
Scripting API Reference.....	129
User API Reference.....	145
Service Desk API Reference.....	149
About us.....	173
We are more than just a name.....	173
Our brand, our vision. Together.....	173
Contacting Quest.....	173

Technical support resources.....	173
Legal notices.....	174

# About the KACE Systems Management Appliance API

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

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

## 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"
}
```

## 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`

## CSRF

During user authentication, a token is returned in a response header named `x-dell-csrf-token`. That value must be gathered by the client and sent in a similarly named request header for every subsequent request.

This value is compared against a token stored in a client's cookie. This is a common technique that helps prevent cross-site request forgery (CSRF) attacks.

## 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-dell-api-version: 1`

## Query syntax

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



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

## Filtering

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

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

## Operators

The standard operators are as follows:

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

### Examples:



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

All machines named `xxx`:

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

All machines whose name contains the string `xxx`

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

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

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

All machines whose name does not contain xxx:

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

Machines whose IDs are 100, 101 and 108:

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

All machines with a software title zoo installed:

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

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

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

## Existence

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



**NOTE:** Values are not required for these operators:

- ex: Exists
- nex: Does not exist

### Examples:

All machines with a recorded location:

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

All machines without a recorded location:

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

## Filtering on related data

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

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

## Using wildcards in filters

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

The wildcard filter in some cases also matches values in sub-entities, to make them more useful to the client.

The Service Desk API `GET /api/service_desk/tickets` has special handling to include owner names and submitter names in the wildcard. To find out if this handling is available and for more information about the Service Desk API, see [Service Desk API Reference](#).

### Examples:

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

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

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

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

## Sorting

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

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

### Examples:

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

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

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

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

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

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

## Paging

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

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

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

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

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

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

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

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

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

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

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



# Shaping

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

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

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

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

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

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

# Counts

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

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

If only the count is needed, use the `use_count` 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.
- **{token}** is the `x-dell-csrf-token` returned by login.
- **{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}/ams/shared/api/locations/{id}
- Headers:
  - Content-Type:application/json
  - Accept:application/json
  - x-dell-csrf-token:{token}
  - x-dell-api-version:5
- Body:

```
{
  "name": "{asset name}",
  "description": "{description}",
  "webSite": "{webSite}",
  "address": "{address}",
  "phoneNumber": "{phone number}",
  "organizationId": 2
}
```

## Example:



**NOTE:** This example updates the description, website, address, and phone number for the location "Oklahoma" whose ID is '3'. The location ID ('3') must be specified in the URL, and the location name ("Oklahoma") must be in the body.

- Type: PUT
- URL: **k1000/ams/shared/api/locations/3**
- Headers:
  - Content-Type:application/json
  - Accept:application/json
  - x-dell-csrf-token:  
**0f0af166283d60b9e0b4697d9fac83a2a0a74aeb7840714dae71b9f993a3aa1fbe8736607e89511cf6b833e313b0d12d030ef866a85cf2c0db175e29c7b31da7**
  - x-dell-api-version:5
- Body:

```
{
  "name": "Oklahoma",
  "description": "OK",
  "webSite": "www.example.com",
  "address": "123 Main St.",
  "phoneNumber": "555-555-5555",
  "organizationId": 2
}
```

## Create an inventory example

### Syntax:

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

```
{
  "Machines": [
    {
      "Name": "{system name}",
      "Ip": "{ip address}",
      "Os_number": "{os number}",
      "User": "{user}",
      "Cdrom_devices": "{cd rom device}",
      "Os_name": "{os name}",
      "Ram_Total": "{ram total}",
      "Ram_used": "{ram used}",
      "Pagefile_max_size": "{pagefile max size}",
      "Ram_max": "{ram max}",
      "Bios_identification_code": "{bios id code}",
    }
  ]
}
```

```

"Monitor": "{monitor}",
"Sound_devices": "{sound device}",
"Video_controllers": "{video controller}",
"Pagefile_size": "{pagefile size}"
}
]
}

```

#### Example:



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

- Type: POST
- URL: **k1000**/api/inventory/machines
- Headers:
  - Content-Type: application/json
  - Accept: application/json
  - x-dell-csrf-token:
 

```
0f0af166283d60b9e0b4697d9fac83a2a0a74aeb7840714dae71b9f993a3aa1fbe8736607e89511cf6b833e313b0d12d030ef866a85cf2c0db175e29c7b31da7
```
  - x-dell-api-version: 5
- Body:

```

{
  "Machines": [
    {
      "Name": "Workstation 123",
      "Ip": "192.168.101.110",
      "Os_number": "10.0.14393",
      "User": "user1",
      "Cdrom_devices": "NECVMMWar 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

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## KACE Systems Management Appliance API

### Overview

### Version information

Version : 1.0.0

### URI scheme

BasePath : /

### Consumes

- application/json

### Produces

- application/json

### Paths

#### GET /ams/shared/api/accounts/

### Description

Returns a list of all accounts.

## Responses

HTTP Code	Schema
200	< Account > array

## POST /ams/shared/api/accounts/search

### Description

Allows for searching of accounts

## Responses

HTTP Code	Schema
200	< Account > array

## GET /ams/shared/api/accounts/{accountId}

### Description

Returns the selected account.

## Parameters

Type	Name	Schema
Path	accountId required	integer
Query	registry required	string

## Responses

HTTP Code	Schema
200	Account

## GET /ams/shared/api/accounts/{accountId}/organizationAccounts

### Description

Returns a list of organization accounts associated with the selected account.

### Parameters

Type	Name	Schema
Path	accountId required	integer
Query	filter optional	string
Query	properties optional	string

### Responses

HTTP Code	Schema
200	< OrganizationAccount > array

## Add or if find by key and account then Update

POST /ams/shared/api/accounts/{accountId}/registry

### Description

Create a new registry key for the selected account.

### Parameters



Type	Name	Schema
Path	accountId required	integer
Query	registry required	string

## Responses

HTTP Code	Schema
200	AccountRegistry

GET /ams/shared/api/accounts/{accountId}/registry

## Description

Returns a list of registry keys for the selected account

## Parameters

Type	Name	Schema
Path	accountId required	integer
Query	categories required	string
Query	keys required	string

## Responses

HTTP Code	Schema
200	< AccountRegistry > array

DELETE /ams/shared/api/accounts/{accountId}/registry/  
{category}/{registryKey}

## Description

Removes a registry key by category and account

## Parameters

Type	Name	Schema
Path	accountId required	integer
Path	category required	string
Path	registryKey required	string

## Responses

HTTP Code	Schema
200	No Content

## GET /ams/shared/api/accounts/{managerId}/managedAccounts

## Description

Returns a list of accounts managed by selected account

## Parameters

Type	Name	Schema
Path	managerId required	integer

## Responses

HTTP Code	Schema
200	< Account > array

## 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

## POST /ams/shared/api/locations

### Description

Returns all locations

### Parameters

Type	Name	Schema
Body	location required	Location

### Responses

HTTP Code	Schema
200	Location

## GET /ams/shared/api/locations/{locationId}

### Description

Returns the selected location

### Parameters

Type	Name	Schema
Path	locationId required	integer
Query	fields optional	string

### Responses

HTTP Code	Schema
200	Location

## PUT /ams/shared/api/locations/{locationId}

### Description

Updates the selected location.

### Parameters

Type	Name	Schema
Path	locationId required	integer
Body	locationDTO required	Location

### Responses

HTTP Code	Schema
200	Location

## DELETE /ams/shared/api/locations/{locationId}

### Description

Removes the selected location

### Parameters

Type	Name	Schema
Path	locationId required	integer

## Responses

HTTP Code	Schema
200	No Content

## GET /ams/shared/api/organizationAccounts

### Description

Return all organization accounts

### Parameters

Type	Name	Schema
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	PagingResponse

## DELETE /ams/shared/api/organizationAccounts

### Description

Deletes the selected organization accounts.

## Parameters

Type	Name	Schema
Query	ids required	integer
Query	moveEmployeesTo required	integer

## Responses

HTTP Code	Schema
200	No Content

## POST /ams/shared/api/organizationAccounts/

### Description

Creates a new organization account.

## Parameters

Type	Name	Schema
Body	orgAccountDTO required	OrganizationAccount

## Responses

HTTP Code	Schema
200	OrganizationAccount

## POST /ams/shared/api/organizationAccounts/disable

## Description

Disables the selected organization accounts.

## Parameters

Type	Name	Schema
Query	ids required	integer

## Responses

HTTP Code	Schema
200	No Content

## POST /ams/shared/api/organizationAccounts/enable

## Description

Enables the selected organization accounts.

## Parameters

Type	Name	Schema
Query	ids required	integer

## Responses

HTTP Code	Schema
200	No Content



## POST /ams/shared/api/organizationAccounts/search

### Description

Searches the organization accounts by the search criteria

### Parameters

Type	Name	Schema
Body	SearchDTO required	OrgAccSearch

### Responses

HTTP Code	Schema
200	< OrganizationAccount > array

## DELETE /ams/shared/api/organizationAccounts/{orgAcclId}

### Description

Deletes a single organization account by id

### Parameters

Type	Name	Schema
Path	orgAcclId required	integer
Query	moveEmployeesTo required	integer

### Responses

HTTP Code	Schema
200	No Content

## GET /ams/shared/api/organizationAccounts/{orgAccountId}

### Description

Gets the selected organization account.

### Parameters

Type	Name	Schema
Path	orgAccountId required	integer
Query	properties required	string

### Responses

HTTP Code	Schema
200	OrganizationAccount

## PUT /ams/shared/api/organizationAccounts/{orgAccountId}

### Description

Updates an existing organization account

### Parameters

Type	Name	Schema
Path	orgAccountId required	integer
Body	organizationAccountDTO required	OrganizationAccount

## Responses

HTTP Code	Schema
200	OrganizationAccount

## PUT /ams/shared/api/organizationAccounts/{orgAccountId}/addEmployees

### Description

Adds employees to the associated organization account

### Parameters

Type	Name	Schema
Path	orgAccountId required	integer
Body	idListDTO required	IdList

## Responses

HTTP Code	Schema
200	No Content

## POST /ams/shared/api/organizationAccounts/{orgAccountId}/hasRole

### Description

Checks to see if the organization account has a specific role.

## Parameters

Type	Name	Schema
Path	orgAccountId required	integer
Query	includeInherited optional	integer
Query	productId optional	integer
Query	roleName optional	string

## Responses

HTTP Code	Schema
200	boolean

## Add or if find by key and account then Update

POST /ams/shared/api/organizationAccounts/{orgAccountId}/registry

## Description

Add a new registry key to an organization account

## Parameters

Type	Name	Schema
Path	orgAccountId required	integer
Body	registry optional	OrgAccountRegistry

## Responses

HTTP Code	Schema
200	OrgAccountRegistry

## GET /ams/shared/api/organizationAccounts/{orgAccountId}/registry

### Description

Returns a list of registry keys associated with the selected organization account

### Parameters

Type	Name	Schema
Path	orgAccountId required	integer
Query	categories optional	string
Query	keys optional	string

### Responses

HTTP Code	Schema
200	OrgAccountRegistry

## DELETE /ams/shared/api/organizationAccounts/{orgAccountId}/registry/{category}/{registryKey}

### Description

Remove a registry key from an organization account by category

### Parameters

Type	Name	Schema
Path	category required	string

Type	Name	Schema
Path	orgAccountId required	integer
Path	registryKey required	string

## Responses

HTTP Code	Schema
200	No Content

## POST /ams/shared/api/organizations

### Description

Creates a new organization

### Parameters

Type	Name	Schema
Body	organizationDTO required	Organization

## Responses

HTTP Code	Schema
200	Organization

## 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

## DELETE /ams/shared/api/organizations

### Description

Removes the selected organizations

## Parameters

Type	Name	Schema
Query	ids required	integer

## Responses

HTTP Code	Schema
200	No Content

## POST /ams/shared/api/organizations/disable

### Description

Disables the selected organizations

### Parameters

Type	Name	Schema
Query	ids required	integer

### Responses

HTTP Code	Schema
200	No Content

## POST /ams/shared/api/organizations/enable

### Description

Enables the selected organizations

### Parameters

Type	Name	Schema
Query	ids required	integer

### Responses



HTTP Code	Schema
200	No Content

## GET /ams/shared/api/organizations/list

### Description

Returns a list of all organizations

### Parameters

Type	Name	Schema
Query	filtering optional	string
Query	getTZ optional	string
Query	offset optional	string
Query	paging optional	string
Query	shaping optional	string
Query	sorting optional	string

### Responses

HTTP Code	Schema
200	PagingResponse

## GET /ams/shared/api/organizations/{organizationId}

### Description

Returns a specific organization

## Parameters

Type	Name	Schema
Path	organizationId required	integer

## Responses

HTTP Code	Schema
200	Organization

## PUT /ams/shared/api/organizations/{organizationId}

### Description

Updates an existing organization

## Parameters

Type	Name	Schema
Path	organizationId required	integer
Body	organizationDTO required	Organization

## Responses

HTTP Code	Schema
200	Organization

## GET /ams/shared/api/organizations/{organizationId}/account/{accountId}

## Description

Returns a specific account within an organization

## Parameters

Type	Name	Schema
Path	accountId required	integer
Path	organizationId required	integer

## Responses

HTTP Code	Schema
200	OrganizationAccount

## GET /ams/shared/api/organizations/{organizationId}/history

## Description

Returns the history for the organization

## Parameters

Type	Name	Schema
Path	organizationId required	integer
Query	accounts optional	string
Query	entities optional	string
Query	events optional	string

## Responses

HTTP Code	Schema
200	History

## GET /ams/shared/api/organizations/{organizationId}/locations

### Description

Returns the locations associated with an organization

### Parameters

Type	Name	Description	Schema
Path	organizationId required		integer
Query	fields optional	Comma seperated list of fields	string

### Responses

HTTP Code	Schema
200	< Location > array

## GET /ams/shared/api/organizations/{organizationId}/organizationAccounts

### Description

Returns a list of organization accounts for an organization

### Parameters

Type	Name	Schema
Path	organizationId required	integer

Type	Name	Schema
Query	filter optional	string
Query	properties optional	string

## Responses

HTTP Code	Schema
200	< OrganizationAccount > array

## GET /ams/shared/api/organizations/{organizationId}/roles

### Description

Returns all roles associated with an organization

### Parameters

Type	Name	Schema
Path	organizationId required	integer
Query	productId optional	integer

## Responses

HTTP Code	Schema
200	< OrganizationRole > array

## POST /ams/shared/api/products

### Description

Creates a new product

## Parameters

Type	Name	Schema
Body	productDTO required	Product

## Responses

HTTP Code	Schema
200	Product

## GET /ams/shared/api/products

### Description

Returns a list of all products

## Parameters

Type	Name	Schema
Query	filtering optional	string
Query	offset optional	string
Query	paging optional	string
Query	sorting optional	string

## Responses

HTTP Code	Schema
200	< Product > array

## DELETE /ams/shared/api/products

### Description

Remove the selected products

### Parameters

Type	Name	Schema
Query	ids required	integer

### Responses

HTTP Code	Schema
200	No Content

## POST /ams/shared/api/products/update

### Description

Updates the specific product

### Responses

HTTP Code	Schema
200	No Content

## GET /ams/shared/api/products/{productId}

## Description

Returns a specific product

## Parameters

Type	Name	Schema
Path	productId required	integer

## Responses

HTTP Code	Schema
200	Product

## GET /ams/shared/api/products/{productId}/roles

## Description

Returns the roles associated with a product

## Parameters

Type	Name	Schema
Path	productId required	integer
Query	organizationId required	integer

## Responses

HTTP Code	Schema
200	< Role > array



## POST /ams/shared/api/roles

### Description

Creates a new role

### Parameters

Type	Name	Schema
Query	organizationId required	integer
Query	productId required	integer
Body	roleDTO required	Role

### Responses

HTTP Code	Schema
200	Role

## GET /ams/shared/api/roles

### Description

Returns a list of roles

### Parameters

Type	Name	Schema
Query	name required	string
Query	organizationId required	integer
Query	productId required	integer

## Responses

HTTP Code	Schema
200	Role

## DELETE /ams/shared/api/roles

### Description

Removes the selected roles

### Parameters

Type	Name	Schema
Query	ids required	integer

## Responses

HTTP Code	Schema
200	No Content

## GET /ams/shared/api/roles/{roleId}

### Description

Returns the selected role

### Parameters

Type	Name	Schema
Path	roleId required	integer

## Responses

HTTP Code	Schema
200	ole

## PUT /ams/shared/api/roles/{roleId}

### Description

Updates the selected role

### Parameters

Type	Name	Schema
Path	roleId required	integer
Body	roleDTO required	Role

## Responses

HTTP Code	Schema
200	ole

## GET /ams/shared/api/roles/{roleId}/organizationAccounts

### Description

Returns a list of the organization accounts associated with the selected role

## Parameters

Type	Name	Schema
Path	roleId required	integer

## Responses

HTTP Code	Schema
200	< OrganizationAccount > array

## 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	Response

## 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

## POST /ams/shared/api/security/verifyPW

## Description

Verifies the users password

## Parameters

Type	Name	Schema
Query	orgID required	integer
Query	pw required	string
Query	userName required	string

## Responses

HTTP Code	Schema
200	boolean

## POST /ams/shared/api/security/verify\_2factor

### Description

Accepts 2factor token from accounts that require one

## Parameters

Type	Name	Schema
Body	verificationData required	verificationData
verificationData		
Name		Schema
currentCode optional		integer

## Responses

HTTP Code	Schema
200	No Content

## POST /ams/shared/api/{roleId}/addOrganizationAccounts

### Description

Add an organization account to the selected role

### Parameters

Type	Name	Schema
Path	roleId required	integer
Query	ids required	integer

### Responses

HTTP Code	Schema
200	No Content

## POST /ams/shared/api/{roleId}/removeOrganizationAccounts

### Description

Remove the organization account from the selected role

### Parameters

Type	Name	Schema
Path	roleId required	integer
Query	ids required	integer



## Responses

HTTP Code	Schema
200	No Content

## Definitions

### Account

Name	Schema
ADDomain optional	string
IMAddress optional	string
creationMode optional	integer
dateTimeFormat optional	string
distinguishedName optional	string
fullName optional	string
id optional	integer
isDeleted optional	boolean
jobTitle optional	string
language optional	string
login optional	string
mobilePhone optional	string
numberFormat optional	string
overrideLocationSettings optional	boolean
password optional	string
passwordChangedAt optional	string(date-time)
principalName optional	string
timeZone optional	string

Name	Schema
userType optional	integer
version optional	string(date-time)
workPhone optional	string

## AccountEmail

Name	Schema
account optional	Account
email optional	string
sorting optional	integer

## AccountRegistry

Name	Schema
account optional	Account
categoryName optional	string
id optional	integer
key optional	string
value optional	string

## AuthStorage

Name	Schema
authStorageExpiration optional	AuthStorageExpiration
key optional	string
value optional	string

## AuthStorageExpiration

Name	Schema
expires optional	integer
key optional	string

## History

Name	Schema
accountId optional	integer
action optional	integer
creationDt optional	string(date-time)
entityId optional	integer
entityName optional	string
id optional	integer
parentEntityId optional	integer
parentEntityName optional	string

## HistoryDetail

Name	Schema
history optional	History
historyId optional	integer
id optional	integer
propertyName optional	string

## HistoryDetailDatetime

Name	Schema
history optional	History
historyId optional	integer
id optional	integer

Name	Schema
newValue optional	string(date-time)
oldValue optional	string(date-time)
propertyName optional	string

## HistoryDetailReference

Name	Schema
history optional	History
historyId optional	integer
id optional	integer
newValue optional	integer
oldValue optional	integer
propertyName optional	string
refName optional	string

## HistoryDetailString

Name	Schema
history optional	History
historyId optional	integer
id optional	integer
newValue optional	string
oldValue optional	string
propertyName optional	string

## LinkedAccountToken

Name	Schema
created optional	string(date-time)

Name	Schema
id optional	integer
organizationAccount optional	OrganizationAccount
token optional	string

## Location

Name	Schema
address optional	string
appData optional	string
description optional	string
id optional	integer
isDeleted optional	boolean
level optional	integer
locale optional	string
name optional	string
organization optional	Organization
parent optional	Location
path optional	string
phoneNumber optional	string
primaryContact optional	OrganizationAccount
webSite optional	string

## Notification

Name	Schema
accountId optional	integer
actionCode optional	integer
affectedIds optional	string
affectedResourceType optional	integer

Name	Schema
id optional	integer
message optional	string
organizationId optional	integer
severityCode optional	integer
timestamp optional	string(date-time)

## OrgAccountRegistry

Name	Schema
categoryName optional	string
id optional	integer
key optional	string
orgAccount optional	OrganizationAccount
value optional	string

## Organization

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

## OrganizationAccount

Name	Schema
account optional	Account
created optional	string(date-time)
id optional	integer
isEnabled optional	boolean
level optional	integer
location optional	Location
manager optional	OrganizationAccount
path optional	string
version optional	string(date-time)

## Product

Name	Schema
allowMultipleRoles optional	boolean
baseApiUrl optional	string
baseNavigationUrl optional	string
baseViewUrl optional	string
callbackUrl optional	string
configuration optional	string
description optional	string
fullName optional	string
id optional	string
shortName optional	string

## Role

Name	Schema
created optional	string(date-time)
description optional	string
id optional	integer
isDefaultAdminRole optional	boolean
isDefaultApplianceAdminRole optional	boolean
isDefaultUserRole optional	boolean
name optional	string
organization optional	Organization
product optional	Product
productRoleId optional	string
version optional	string(date-time)

## SystemSetting

Name	Schema
key optional	string
value optional	string



# Asset API Reference

---

## KACE Systems Management Appliance Asset API Reference

### Overview

### Version information

Version : 9.0

### URI scheme

BasePath : /api/asset

### Consumes

- application/json

### Produces

- application/json

### Paths

GET /api/asset/archived\_devices/{id}

### Description

Returns the archived asset associated with the id

## Parameters

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

## Responses

HTTP Code	Schema
200	< string > array

## POST /api/asset/assets

### Description

Creates a new asset

### Parameters

Type	Name	Schema
Body	assetData required	< string > array

### Responses

HTTP Code	Schema
200	integer

## 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	< object > array

## GET /api/asset/assets/types

### Description

Returns a list of all asset types

## Responses

HTTP Code	Schema
200	< object > array

## GET /api/asset/assets/version

### Description

Returns the version associated with this API endpoint.

## 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

Type	Name	Schema
Query	use_pretty_print optional	boolean

## Responses

HTTP Code	Schema
200	< string > array

## PUT /api/asset/assets/{id}

### Description

Updates an asset

### Parameters

Type	Name	Schema
Path	id required	integer
Body	assetData required	< string > 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

## PUT /api/asset/assets/{id}/add\_attachment/

### Description

Adds an attachment to the associated asset

## Parameters

Type	Name	Schema
Path	id required	integer
Body	file_data required	file

## 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	< object > 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	string

## 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	< string > array

## GET /api/asset/barcodes/version

### Description

Returns the version associated with this API endpoint.

### Responses

HTTP Code	Schema
200	string

## 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	< string > array

## PUT /api/asset/barcodes/{id}

## Description

Updates the selected barcode

## Parameters

Type	Name	Schema
Path	id required	integer
Body	barcodeData required	string

## 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/archived\_devices/version

### Description

Returns the version associated with this API endpoint.

## Responses

HTTP Code

Schema

200

string

# Inventory API Reference

---

## KACE Systems Management Appliance Inventory API Reference

### Overview

### Version information

Version : 9.0

### URI scheme

BasePath : /api/inventory

### Consumes

- application/json

### Produces

- application/json

### Paths

POST /api/inventory/machines/

### Description

Creates or updates inventory data. The only way to send new inventory data is via this Machine entity. It is suggested that POST be used for new machines and PUT for machine updates. However, as a convenience for clients, the POST route can be used to update the inventory for existing machines. See Appendix B for an example of the request body format. Multiple machines can be sent in a single request. If no KUID is given for a machine, one will be auto-generated. The ID(s) of the impacted machines will be included in the response.

## Responses

HTTP Code	Schema
200	< integer > array

## GET /api/inventory/machines/

### Description

Retrieves the data for any matching machines.

### Parameters

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

## Responses

HTTP Code	Schema
200	< string > array

## GET /api/inventory/machines/version/

### Description

Returns the latest API version for the entity. If there is no specific version, the overall API version is returned.

## Responses

HTTP Code	Schema
200	string

## 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

Type	Name	Schema
Query	use_pretty_print optional	boolean

## Responses

HTTP Code	Schema
200	< string > 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

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

### Parameters

Type	Name	Schema
Path	id required	integer

## Responses

HTTP Code	Schema
200	string



## POST /api/inventory/nodes/

### Responses

HTTP Code	Schema
200	string

## GET /api/inventory/nodes/

### Description

Retrieves the data for any matching agentless nodes.

### Parameters

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

### Responses

HTTP Code	Schema
200	< string > array

## GET /api/inventory/nodes/version/

### Description

Returns the latest API version for the entity. If there is no specific version, the overall API version is returned.

### Responses

HTTP Code	Schema
200	string

## 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/version/

### Description

Returns the latest API version for the entity. If there is no specific version, the overall API version is returned.

### Responses

HTTP Code	Schema
200	string

## 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/version/

### Description

Returns the latest API version for the entity. If there is no specific version, the overall API version is returned.

## Responses

HTTP Code	Schema
200	string

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

### Description

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

## Parameters

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

Type	Name	Schema
Query	use_pretty_print optional	boolean

## Responses

HTTP Code	Schema
200	string

## POST /api/inventory/services/

## Responses

HTTP Code	Schema
200	string

## GET /api/inventory/services/

## Description

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

## Parameters

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

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/services/version/

### Description

Returns the latest API version for the entity. If there is no specific version, the overall API version is returned.

## Responses

HTTP Code	Schema
200	string

## 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



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

## POST /api/inventory/software/

## Responses

HTTP Code	Schema
200	string

## GET /api/inventory/software/

## 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

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/inventory/software/version/

### Description

Returns the latest API version for the entity. If there is no specific version, the overall API version is returned.

### Responses

HTTP Code	Schema
200	string

## GET /api/inventory/software/{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

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

## Responses

HTTP Code	Schema
200	< string > array

## GET /api/inventory/startup\_programs/version/

### Description

Returns the latest API version for the entity. If there is no specific version, the overall API version is returned.

## Responses

HTTP Code	Schema
200	string

## GET /api/inventory/startup\_programs/{id}/

### Description

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

## Parameters

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

## Responses

HTTP Code	Schema
200	string

## Definitions

### Catalog.Sam\_Catalog

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

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

## Dell\_Inventory

Name	Schema
Inv_Log_Xml optional	string
Inv_Out_Xml optional	string
Lang optional	string
Machine_Id optional	integer
Os_Arch optional	string
Os_Code optional	string
Os_Majver optional	integer
Os_Minver optional	integer
Os_Vendor optional	string
Status_Code optional	integer
Status_Phase optional	string
System_Did optional	string

## Dell\_Inventory\_Log

Name	Schema
Failure_Reason optional	string
Machine_Id optional	integer
Module_Id optional	string
Status optional	string

## Dell\_Machine\_Pkg\_Update\_Status

Name	Schema
Catalog_Id optional	integer
Dell_Schedule_Id optional	integer
Machine_Id optional	integer
Max_Update_Attempt optional	integer
Package_Did optional	string
Update_Count optional	integer

## Dell\_Machine\_Status

Name	Schema
Applicable_Update optional	string
Catalog_Id optional	integer
Device_Id optional	integer
Machine_Id optional	integer
Package_Did optional	string

## Dell\_Pkg\_Update\_History

Name	Schema
Applicable_Update optional	string
Catalog_Id optional	integer
Machine_Id optional	integer
Package_Did optional	string
Update_Phase optional	string
Update_Status optional	integer

## Fs

Name	Schema
Alt_Checksum optional	string
Alt_Location optional	string
Create_Location optional	integer
Create_Shortcut optional	integer
Credential_Id_Alt_Location optional	integer
Credential_Id_Location optional	integer
Enabled optional	integer
Hour_Begin optional	integer
Hour_End optional	integer
Id optional	integer
Location optional	string
No_Uncompress optional	integer
Notes optional	string
Persistent optional	integer
Postinstall_Message optional	string
Preinstall_Message optional	string
Remove_Files optional	integer
Replace_Existing optional	integer
Shortcut_Name optional	string
Software_Id optional	integer
Target_All_Machines optional	integer
Type 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
Type optional	string
Usage_All optional	integer
Usage_Catalog optional	integer
Usage_Dell optional	integer
Usage_Label optional	integer
Usage_Machine optional	integer
Usage_Node optional	integer
Usage_Patch optional	integer
Usage_Process optional	integer
Usage_Software optional	integer
Usage_User optional	integer

## Machine

Name	Schema
Asset_Tag optional	string
Bios_Description optional	string
Bios_Identification_Code optional	string
Bios_Manufacturer optional	string
Bios_Name optional	string

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

Name	Schema
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_Version optional	string
Pagefile_Max_Size optional	string
Pagefile_Size optional	string
Patchlink_Language_Id optional	integer
Physical_Cores optional	integer
Physical_Processors optional	integer
Printers optional	string
Processors optional	string
Ram_Max optional	string
Registry_Max_Size optional	string
Registry_Size optional	string
Service_Pack optional	string

Name	Schema
Smp_Version 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\_Custom\_Inventory

Name	Schema
Field_Value_Type optional	integer
Id optional	integer
Num_Field_Value optional	integer
Software_Id optional	integer
Str_Field_Value optional	string

## 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 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

Name	Schema
Has_Personal_Recovery_Key optional	integer
Id optional	integer
Is_Enabled optional	integer
Version optional	string

## Machine\_Intel\_Amt

Name	Schema
Configuration_Mode optional	string
Control_Mode optional	string
Fw_Version optional	string
Id optional	integer
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
Skus optional	string
State optional	string
Version optional	string

## Machine\_Location

Name	Schema
Country optional	string
Country_Code optional	string
Id optional	integer
Locality optional	string
Machine_Location_Id optional	integer



Name	Schema
Postal_Code optional	string
Region optional	string
Street_Address optional	string

## Machine\_Mobile

Name	Schema
Battery_Level optional	string
Carrier optional	string
Current_Carrier_Network optional	string
Device_Type optional	string
Iccid optional	string
Id optional	integer
Imei optional	string
Is_Compliant optional	integer
Is_Enrolled optional	integer
Machine_Mobile_Id optional	integer
Meid optional	string
Modem_Firmware optional	string
Phone_Number optional	string
Udid optional	string

## Machine\_Nics

Name	Schema
Dhcp_Enabled optional	string
Dnsdomain optional	string
Dnshostname optional	string
Id optional	integer

Name	Schema
Ip optional	string
Mac optional	string
Netmask optional	string
Nic optional	string

## Machine\_Replitem

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

## Machine\_Snmp\_Data

Name	Schema
Full_Walk optional	string
Machine_Id optional	integer
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
Cli_Type optional	string
Dmm_Id optional	string

Name	Schema
Dmm_Status optional	integer
Host_Name optional	string
Id optional	integer
Ip optional	string
Ldap_Status optional	integer
Mac optional	string
Machine_Id optional	integer
Nmap_Status optional	integer
Os_Type optional	string
Ping_Status optional	integer
Real_Name optional	string
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
Winrm_Status optional	integer

## Node\_Snmp\_If

Name	Schema
Admin_Status optional	string
Descr optional	string
Id optional	integer
Ifindex optional	integer

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

## Node\_Snmp\_System

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

Name	Schema
Object_Id optional	string
Uptime optional	string

## Ntservice

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

## Operating\_Systems

Name	Schema
Arch optional	string
Build optional	string
Common_Name optional	string
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
Patchlink_Os_Type_Id optional	integer
Sp optional	integer

## Patchlink\_Machine\_Applicable\_Package

Name	Schema
Applicable_Package optional	string
Applicable_Package_Path optional	string
Deploy_Error_Code optional	integer
Deploy_Rcode optional	integer
Deploy_Rdesc optional	string
Deploy_Status optional	string
Machine_Id optional	integer
Patchuid optional	string
Rollback_Error_Code optional	integer
Rollback_Rcode optional	integer

Name	Schema
Rollback_Rdesc optional	string
Rollback_Status optional	string

## Patchlink\_Schedule\_Run\_Log

Name	Schema
Id optional	integer
Machine_Id optional	integer
Patchlink_Schedule_Id optional	integer
Patchlink_Schedule_Run_Id optional	integer
Status optional	string

## Patchlink\_Schedule\_Run\_Machine

Name	Schema
Id optional	integer
Machine_Id optional	integer
Patchlink_Schedule_Id optional	integer
Patchlink_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



Name	Schema
File_Name optional	string
File_Version optional	string
Id optional	integer
Name optional	string
Notes optional	string
Product_Name optional	string
Product_Version optional	string
Threat optional	integer

## Sam\_Meter

Name	Schema
Id optional	integer
Last_Report optional	string
Machine_Id optional	integer

## Sam\_Meter\_Data

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

## Software

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

Name	Schema
Readme optional	string
Rule_Data_Type optional	integer
Rule_Flag optional	integer
Threat optional	integer
Uninstall_String optional	string
Urlinfo_About optional	string
Version optional	string

## Startupprogram

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

# Managed Install API Reference

---

## KACE Systems Management Appliance Managed Install API Reference

### Overview

### Version information

Version : 9.0

### URI scheme

BasePath : /api/mi

### Consumes

- application/json

### Produces

- application/json

### Paths

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: <pre>{ "Machines" : ["id"] }</pre>	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

Type	Name	Schema
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/compatible\_machines/version

### Description

Returns the API version for this endpoint.

## Responses

HTTP Code	Schema
200	string

## 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

## GET /api/mi/files/version

### Description

Returns the version of this api endpoint.

## Responses

HTTP Code	Schema
200	string

## GET /api/mi/machines

### Description

Returns all the devices

## 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/machines/version

### Description

Returns the version for this end point.

## Responses

HTTP Code	Schema
200	string

## GET /api/mi/machines/{id}

### Description



Returns the managed install associated with a device.

## 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/mi/managed\_installs

### Description

Returns a list of all managed installs.

### Parameters

Type	Name	Schema
Query	filtering optional	string
Query	offset optional	string
Query	paging optional	string
Query	shaping optional	string
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 > array

## GET /api/mi/managed\_installs/version

### Description

Returns the current version of this API endpoint.

## Responses

HTTP Code	Schema
200	string

## GET /api/mi/managed\_installs/{id}

### Description

Gets the details of 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

## GET /api/mi/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/mi/managed\_installs/{id}/file

### Description

Gets the file associated with this managed install.

### Parameters

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

## Responses

HTTP Code	Schema
200	string

## PUT /api/mi/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

# Reporting API Reference

---

## KACE Systems Management Appliance Reporting API Reference

### Overview

### Version information

Version : 9.0

### URI scheme

BasePath : /api/reporting

### Consumes

- application/json

### Produces

- application/json

### Paths

GET /api/reporting/definitions/

### Description

Retrieves the JSON definition string for reports in the given organization.

## Parameters

Type	Name	Description	Schema	Default
Query	filtering optional		string	
Query	offset optional		string	
Query	orgID optional	K1 organization ID	integer	"0"
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/reporting/definitions/DistinctField/

### Description

Retrieves a list of distinct values of the given field for reports in the given organization. For example a list of all category names in use.

### Parameters

Type	Name	Description	Schema	Default
Path	field required	DB name of the field	boolean	
Path	orgID optional	K1 organization ID	integer	"0"
Query	filtering optional		string	
Query	offset optional		string	
Query	paging 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/reporting/definitions/version/

### Description

Returns the latest API version for the entity. If there is no specific version, the overall API version is returned.

## Responses

HTTP Code	Schema
200	string

## GET /api/reporting/definitions/{id}/



## Description

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

## Parameters

Type	Name	Description	Schema	Default
Path	id	required	integer	
Path	orgID	optional K1 organization ID	integer	"0"
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

## GET /api/reporting/definitions/{name}/

## Description

Retrieves the report data in the given organization for the specific name given. All query parameters are available.

## Parameters

Type	Name	Description	Schema	Default
Path	name	required	string	
Path	orgID	optional K1 organization ID	integer	"0"
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

## GET /api/reporting/linked\_appliances/

### Description

Retrieves the data for the matching linked appliances.

### 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/reporting/linked\_appliances/version/

### Description

Returns the latest API version for the entity. If there is no specific version, the overall API version is returned.

## Responses

HTTP Code	Schema
200	string

## GET /api/reporting/linked\_appliances/{id}/

### Description

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

## Parameters

Type	Name	Schema
Path	id required	integer
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

## POST /api/reporting/merges/

### Description

Merges an array of report structures into a single object in the given format.

### Parameters

Type	Name	Description	Schema	Default
Query	format optional	K1 organization ID	string	"html"
Query	reportData required	A payload containing a JSON array of reports to merge	< string > array	

## Responses

HTTP Code	Schema
200	string

## GET /api/reporting/merges/version/

## Description

Returns the latest API version for the entity. If there is no specific version, the overall API version is returned.

## Responses

HTTP Code	Schema
200	string

## GET /api/reporting/reports/GetByDefinition/

## Description

Retrieves the report in the given organization for the specific ID given. The locale and format can be specified.

## Parameters

Type	Name	Description	Schema	Default
Path	definitionData required	The JSON definition data of the report to retrieve	string	
Path	orgID optional	K1 organization ID	integer	"0"
Query	async optional	Determines if the request should be made asynchronously. If true, the result will be a handle to query for the final report data.	boolean	"false"
Query	format optional	The format for the resulting report	string	"html"
Query	locale optional	The locale for the resulting report	string	"default"

## Responses

HTTP Code	Schema
200	string

## GET /api/reporting/reports/async/{uniqueID}/

### Description

Retrieves the report from a previous asynchronous request

### Parameters

Type	Name	Description	Schema
Path	uniqueID required	The handle returned by the asynchronous report request	integer

### Responses

HTTP Code	Description	Schema
200		string
202	The report has not completed processing.	No Content

## PUT /api/reporting/reports/cancel/{uniqueID}/

### Description

Cancels report processing initiated from a previous asynchronous request

### Parameters

Type	Name	Description	Schema
Path	uniqueID required	The handle returned by the asynchronous report request	integer

### Responses

HTTP Code	Schema
200	string

## GET /api/reporting/reports/version/

### Description

Returns the latest API version for the entity. If there is no specific version, the overall API version is returned.

### Responses

HTTP Code	Schema
200	string

## GET /api/reporting/reports/{id}/

### Description

Retrieves the report in the given organization for the specific ID given. The locale and format can be specified.

### Parameters

Type	Name	Description	Schema	Default
Path	id required		integer	
Path	orgID optional	K1 organization ID	integer	"0"
Query	format optional	The format for the resulting report	string	"html"
Query	locale optional	The locale for the resulting report	string	"default"

### Responses

HTTP Code	Schema
200	string

## GET /api/reporting/reports/{name}/

### Description

Retrieves the report in the given organization for the specific ID given. The locale and format can be specified.

### Parameters

Type	Name	Description	Schema	Default
Path	name required		integer	
Path	orgID optional	K1 organization ID	integer	"0"
Query	async optional	Determines if the request should be made asynchronously. If true, the result will be a handle to query for the final report data.	boolean	"false"
Query	format optional	The format for the resulting report	string	"html"
Query	locale optional	The locale for the resulting report	string	"default"

### Responses

HTTP Code	Schema
200	string



# Scripting API Reference

---

## KACE Systems Management Appliance Scripting API Reference

### Overview

### Version information

Version : 9.0

### URI scheme

BasePath : /api/script

### Consumes

- application/json

### Produces

- application/json

### Paths

### POST /api/script

### Description

Creates a new script

## Parameters

Type	Name	Schema
Body	scriptDTO required	ScriptShellDTO

## Responses

HTTP Code	Schema
200	ScriptShellDTO

## GET /api/script/runStatus/{runId}

## Description

Get status of progress script

## Parameters

Type	Name	Schema
Path	runId required	integer

## Responses

HTTP Code	Schema
200	RunStatusDTO

## GET /api/script/{scriptId}

## Description

Get a specific script

## Parameters

Type	Name	Schema
Path	scriptId required	integer

## Responses

HTTP Code	Schema
200	ScriptShellIDTO

## PUT /api/script/{scriptId}

## Description

Updates a specific script

## Parameters

Type	Name	Schema
Path	scriptId required	integer
Body	scriptDTO required	ScriptShellIDTO

## Responses

HTTP Code	Schema
200	ScriptShellIDTO

## 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	compatibleForMachine optional	machine identifier	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	< object > array
pending optional	< object > array
pushFailed optional	< object > array
scriptId optional	integer(integer)
success optional	< object > array
targeted optional	< object > array

## ScriptOfflineDTO

Name	Schema
dependencies optional	< object > 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	< object > array
scheduleType optional	string
status optional	string
tasks optional	< object > 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	< object > 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)
runAsPassword optional	string
runAsUsr optional	string
schedule optional	< object > array
scheduleType optional	string
status optional	string
tasks optional	< object > 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	< object > array
description optional	string
enabled optional	boolean(boolean)
fileName optional	string

Name	Schema
id optional	integer(integer)
machines optional	< object > array
name optional	string
notes optional	string
osTypes optional	< object > array
removeFiles optional	boolean(boolean)
runAs optional	integer(integer)
runAsPassword optional	string
runAsUsr optional	string
schedule optional	< object > array
scheduleType optional	string
scriptText optional	string
status optional	string
tasks optional	< object > 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	< object > array
onRemediationSuccess optional	< object > array
onVerifyFailure optional	< object > array

Name	Schema
onVerifySuccess optional	< object > array
ordinalId optional	integer(integer)
verify optional	< object > array



# User API Reference

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## KACE Systems Management Appliance User API Reference

### Overview

### Version information

Version : 9.0

### URI scheme

BasePath : /api/user

### Consumes

- application/json

### Produces

- application/json

### Paths

#### GET /api/users/me/

### Description

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

## Responses

HTTP Code	Schema
200	User

## GET /api/users/version/

### Description

Returns the latest API version for the entity. If there is no specific version, the overall API version is returned.

## Responses

HTTP Code	Schema
200	string

## 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

### User

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

# Service Desk API Reference

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## KACE Systems Management Appliance Service Desk API Reference

### Overview

### Version information

Version : 9.0

### URI scheme

BasePath : /api/service\_desk

### Consumes

- application/json

### Produces

- application/json

### Paths

GET /api/service\_desk/queues/

### Description

Returns a list of all queues

## Parameters

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

### Description

Returns the version associated with this API endpoint.

## Responses

HTTP Code	Schema
200	string

## GET /api/service\_desk/queues/version

### Description

Returns the version associated with this API endpoint.

## Responses

HTTP Code	Schema
200	string

## 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
Query	sorting optional	string
Query	use_count optional	string
Query	use_count_only optional	string

Type	Name	Schema
Query	use_pretty_print optional	boolean

## Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Queues optional	< hd_queue > 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	Schema
Path	id required	integer
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	Schema
Query	use_pretty_print optional	boolean

### Responses

HTTP Code	Schema
200	< object > array

## 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
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	use_count optional		string
Query	use_count_only optional		string
Query	use_pretty_print optional		boolean

## Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Tickets optional	< hd_ticket > array

## POST /api/service\_desk/tickets/stats

### Description

Performs an arbitrary number of fetch requests

### Parameters

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

ticketStatsRequestData

Name	Schema
Stats optional	< statistics_request > array

### Responses

HTTP Code	Schema
200	Response 200

Response 200

Name	Schema
Stats optional	< statistics_response > array

## GET /api/service\_desk/tickets/version

## Description

Returns the version associated with this API endpoint.

## Responses

HTTP Code	Schema
200	string

## 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
Path	id required		integer
Query	shaping optional	Comma-separated list of shape directives	string
Query	sorting optional	Comma-separated list of sorting directives for subqueries	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

## 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

## 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
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
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
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

Name	Description	Schema
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
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	< object > 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		string
custom_2 optional		string
custom_3 optional		string
custom_4 optional		string
custom_5 optional		string
custom_6 optional		string
custom_7 optional		string
custom_8 optional		string
custom_9 optional		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

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

## hd\_work

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

## machine

Name	Schema
id optional	integer
name optional	string
user optional	string

## statistics\_request

Name	Schema
filtering optional	string
paging optional	string
shaping optional	string

## statistics\_response

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

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

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Our logo reflects our story: innovation, community and support. An important part of this story begins with the letter Q. It is a perfect circle, representing our commitment to technological precision and strength. The space in the Q itself symbolizes our need to add the missing piece — you — to the community, to the new Quest.

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

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KACE Systems Management Appliance API Reference Guide

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