



Kaseya REST API

User Guide

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Kaseya REST API Overview

The Kaseya REST API comprises a set of client initiated HTTP URI *requests* that return corresponding *responses* from a specified Kaseya Server. The Kaseya REST API enables 3rd party applications to integrate with the Kaseya Server and execute many of the same tasks that a VSA user does while working within the VSA.

Resource URIs

Supported URIs are used to access *resources*. REST URIs are usually organized by *static keywords* called **methods** and **namespaces**. The basic format shown in documentation is:

```
GET /system/users
```

- GET is the method;
- system is the namespace;
- users is a subcategory of the parent namespace.

When you enter the complete format in your browser, the URI looks like this:

```
http://<yourVSA>/api/v1.0/system/users
```

A supported URI may require an additional *dynamic token*, indicated in documentation using curly brackets. The basic format shown in documentation looks like this:

```
GET /system/users/{userId}
```

When you enter the complete format in your browser, *without the curly brackets*, the URI looks like this.

```
http://<yourVSA>/api/v1.0/system/users/89049122543
```

Model Schema

A *model schema* identifies the fields and datatypes returned by a single record in a response. Each resource topic shows the model schema it uses.

General Purpose Resources

The Kaseya REST API includes the following general purpose resources:

- **auth** - Requests a sessionToken that can be used in subsequent requests.
- **echo** - Tests the API connection with the target Kaseya Server.

Authentication

Authentication is required to process almost all requests and is typically the first request. The Auth request requires a username, password, and a randomly generated number to return a *session token*. Subsequent requests include the following line in the header section of the request, *without the curly brackets*:

```
Authorization: Bearer {SessionToken}
```

The scope assigned the authenticated user you use to create the session token limits access to a partition, organizations, machine groups and agents, the same as any other user.

REST API Tools

There are many free REST API tools you can use to experiment with creating Kaseya REST API requests and seeing the responses that are returned. Recommended tools include **Postman** (<https://www.getpostman.com/>), **Fiddler** (<http://www.telerik.com/fiddler>) and **Swagger.io** (<http://swagger.io/>).

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Request Guidelines

HTTP Methods

Kaseya REST API requests use the following HTTP methods:

- GET - returns data
- PUT - changes data or performs an action
- POST - adds a new record
- DELETE - deletes a record

Action URIs

A REST API can perform an action. Examples of Kaseya REST API actions are:

```
PUT /assetmgmt/audit/baseline/{agentId}/runnow
PUT /assetmgmt/audit/baseline/{agentId}/schedule
```

Although these URIs use the PUT method, no data is changed when the action is performed.

JSON and XML

In most cases, content contained within the body of Kaseya REST API requests and responses must be formatted as JSON or XML expressions. By default, all relevant Kaseya REST API responses are serialized to JSON. To force an XML response, include the `Accept` response header with a value of `application/xml`. Similarly, requests that include body content should specify the format of the content by using the `Content-Type` request header set to either `application/json` or `application/xml`.

Arguments

Each request may require additional arguments to process the request successfully. The additional arguments are provided in three ways:

- **URI Suffixes** - A unique identifier is appended as a suffix to the URI requested. For example, an agent GUID--returned by a previous request--is appended to a `GET /AssetMgmt/Assets/{assetId}` request to return additional details about that asset.
- **Headers** - Headers can contain arguments returned by a previous request. The most common use is the `Authorization: Bearer {SessionToken}` header. Headers are not typically used to pass business data. See the *first* four lines in the JSON example below.
- **Message Body** -Some resources may require data in the message body of the request, usually after skipping one or two lines after the last header argument. See the *last* four lines in the JSON example below.

Note: Each resource documentation topic describes the arguments required to process a request successfully.

The following is a JSON example:

```
PUT http://10.10.32.90/API/v1.0/system/orgs HTTP/1.1
Host: 10.10.32.90
Authorization: Bearer 80684803803769050726142880
Content-Type: application/json
```

```
{
  "OrgId": "7.213597641814316e+25"
  "OrgRef": "Starfire"
}
```

Sample Request and Response

It's best to take a look at the "shape" of a sample request and response before discussing its structure in detail.

Sample Request

In JSON a sample Kaseya REST API client request looks like this:

```
GET <yourVSA>/API/v1.0/automation/agentprocs HTTP/1.1
Host: 10.10.32.110
Authorization: Bearer 61373158
```

Notice the header contains an `Authorization` attribute. This was returned in a previous `Auth` command.

Sample Response

The JSON response from the Kaseya Server looks like this:

```

{
  "TotalRecords": 3,
  "Result": [
    {
      "AgentProcedureId": 123,
      "AgentProcedureName": "Config Windows Automatic Update",
      "Path": "shared/smampleProc/windows",
      "Description": null,
      "Attributes": null
    },
    {
      "AgentProcedureId": 345,
      "AgentProcedureName": "Reset Windows Automatic Update",
      "Path": "shared/smampleProc/windows/windows updates",
      "Description": null,
      "Attributes": null
    },
    {
      "AgentProcedureId": 891,
      "AgentProcedureName": "Disable Windows Automatic Update",
      "Path": "shared/smampleProc/Linux",
      "Description": null,
      "Attributes": null
    }
  ],
  "ResponseCode": 0,
  "Status": "OK",
  "Error": "None"
}

```

The `Result` field in the response contains one or more records of business data. When multiple records are returned, a `Total Records` field is returned. The other top-level fields—`ResponseCode`, `Status` and `Error`—are used to confirm the entire request was successfully processed.

Sample Basic Response

When an action is performed, no business data may be returned in the response. In this case the response looks like this:

```

{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}

```

Filter, Sort and Paging Expressions

When multiple records are returned by a GET request, Odata expressions can be appended to the end of the URI. The three types of expressions determine whether the multiple records are *filtered*, *sorted*, or *paged*. Documentation identifies whether a field is *filterable* or *sortable*. *Paging* expressions are always available for any GET method that returns multiple records.

Multiple Odata expressions can be combined in the same URI. In the following example, the first Odata expression is delimited by a question (?) character. Subsequent Odata expressions are delimited with an ampersand (&) character.

```
GET
/automation/servicedesk/{serviceDeskId}/tickets?$skip=30&$top=10&$orderby=Severity
```

Supported Filter Expressions

Filter expressions limit the set of multiple records returned by a GET request.

```
GET <yourVSA>/api/v1.0/system/OrgNames?$filter=startswith(OrgName, 'SapphireIT')
GET <yourVSA>/api/v1.0/assetmgmt/assets?$filter=AssetName eq 'Win8'
```

Filtering Using Decimal Data Types

When filtering using decimal values—such as filtering agents using an AgentId—an M must be added to the end of the number to denote a decimal data type instead of the default double data type. For example:

```
http://vsa.com/assetmgmt/agents?$filter=AgentId eq 121747357971679M
```

| | | |
|--------------------|---|---|
| substringof | \$filter=substringof('cab', OrgName) | returns all organizations with names containing 'cab' |
| startswith | \$filter=startswith(OrgName, 'pro') | returns all organizations with names beginning with 'pro' |
| endswith | \$filter=endswith(OrgName, 'ing') | returns all organizations with names ending with 'ing' |
| and | \$filter=orgtype eq 'Sales' and orgRevenue gt '1000000' | returns all organizations classified as sales organizations with revenue greater than one million |
| equal | \$filter=orgName eq 'Sapphire Products' \$filter=AgentId eq 123456789M | returns the organization with the name 'Sapphire Products' returns an agent with an agentguid equal to 123456789. Notice the M at the end of the agentguid number in the filter, indicating a decimal data type. |
| greaterthan | \$filter=orgRevenue gt '1000000' | returns all organizations with revenue greater than one million |
| greaterthanorequal | \$filter=orgRevenue ge '1000000' | returns all organizations with revenue greater than or equal to one million |
| lessthan | \$filter=orgRevenue lt '1000000' | returns all organizations with revenue less than one million |
| lessthanorequal | \$filter=orgRevenue le '1000000' | returns all organizations with revenue less than or equal to one million |

Filtering by Date

| | | |
|--------------------|--|---|
| greaterthan | \$filter=LastCheckInTime gt DATETIME '2019-06-17T07:14:20' | returns all dates that are later than the defined one |
| greaterthanorequal | \$filter=LastCheckInTime ge DATETIME '2019-06-17T07:14:20' | returns dates that are later than or equal to the defined one |
| lessthan | \$filter=LastCheckInTime lt DATETIME '2019-06-17T07:14:20' | returns dates that are older than the defined one |
| lessthanorequal | \$filter=LastCheckInTime le DATETIME '2019-06-17T07:14:20' | returns dates that are older or equal to the defined one |

Note: DATETIME is case sensitive and should be in capital letters as sampled above.

Supported Sort Expressions

Sort expressions sort the multiple records returned by a GET request into ascending or descending order.

GET /automation/servicedesk/{serviceDeskId}/ticketstatus\$orderby=Priority

| | | |
|-----------------|-------------------------|---|
| sort ascending | \$orderby=Priority | sorts by selected column in ascending order. |
| sort descending | \$orderby=Priority desc | sorts by selected column in descending order. |

Supported Paging Expressions

When multiple records are returned by a GET request, paging expressions set the number of records to skip and the number of records to return.

GET /automation/servicedesk/{serviceDeskId}/tickets?\$skip=30&\$top=10

Note: The maximum number of records that can be returned by a GET request is 100, even if no paging expression is used.

| | | |
|------------------|----------|--------------------------------------|
| records skipped | \$skip=5 | skips the first five records |
| records returned | \$top=10 | the number of records to be returned |

Authentication

The GET /auth REST resource responds with a session token to authenticate requests to other resources. The request to GET /auth must include a payload computed according to the following algorithm, Base64 encode it, then add it to the request's Authorization header with a Basic scheme. The following is an example of an GET /auth request with its generated Base64 payload.

GET /auth

Authorization: Basic

```
dXNlcj1rYWRtaW4scGFzc2I9ZjE5ZWZmYzY3ZWY5MzJjMjBkMTlmZGQ1ZmIyZTY1NjBkY2U5YTk1YWZhYjEwNjczMjQ5YTU3YTgzODY2ZTQxZCZxwYXNzMT0wZGMwZmY5YzBkNGVkbMDRlODJiYzZmYTk0ZTY3NTQzMjFhMDgyMzc1LHJhbmQyPTk5NDY1NixycGFzc2I9ZjE5ZWZmYzY3ZWY5MzJjMjBkMTlmZGQ1ZmIyZTY1NjBkY2U5YTk1YWZhYjEwNjczMjQ5YTU3YTgzODY2ZTQxZCZxycGFzc2E5MGRjMGZmOWMwZDRlZDA0ZTgyYmM2ZmE5NGU2NzU0MzIxYTA4MjM3NSx0d29mYXBhc3M9OnVuZGVmaW5lZA==
```

Auth Payload Algorithm

The following summarizes the algorithm used to generate the GET /auth payload for a given username and password. Italics indicate variable names.

1. Generate a random integer, store in variable called *Random*.
2. Compute the SHA-256 hash of the admin password, store in *RawSHA256Hash*.
3. Compute the SHA-256 hash of the concatenated string Password + Username, store in *CoveredSHA256HashTemp*.
4. Compute the SHA-256 hash of the concatenated string *CoveredSHA256HashTemp* + *Random*, store in *CoveredSHA256Hash*.
5. Compute the SHA-1 hash of the admin password, store in *RawSHA1Hash*.

6. Compute the SHA-1 hash of the concatenated string Password + Username, store in *CoveredSHA1HashTemp*.
7. Compute the SHA-1 hash of the concatenated string *CoveredSHA1HashTemp* + *Random*, store in *CoveredSHA1Hash*.
8. Create a comma separated concatenated string with the following strings and variables.
 - "user=" + *Username*
 - "pass2=" + *CoveredSHA256Hash*
 - "pass1=" + *CoveredSHA1Hash*
 - "rpass2=" + *RawSHA256Hash*
 - "rpass1=" + *RawSHA1Hash*
 - "rand2=" + *Random*
9. You should end up with the string:
 - "user={*Username*},pass2={*CoveredSHA256Hash*},pass1={*CoveredSHA1Hash*},rpass2={*RawSHA256Hash*},rpass1={*RawSHA1Hash*},rand2={*Random*}"
10. Base64 encode this string.
11. Use the encoded value in the **Authorization** header with a **Basic** scheme.

Sample VSA REST API Client

The two following two codes samples illustrate how to build a C# client that can authenticate the VSA REST API.

class Hash

```

using System;
using System.Text;
using System.Security.Cryptography;

namespace SampleVsaRestApiClient
{
    public class Hash
    {
        public string RandomNumber { get; protected set; }
        public string RawSHA256Hash { get; protected set; }
        public string CoveredSHA256Hash { get; protected set; }
        public string RawSHA1Hash { get; protected set; }
        public string CoveredSHA1Hash { get; protected set; }

        public Hash( string UserName, string Password )
        {
            RandomNumber = GenerateRandomNumber( 8 );

            RawSHA256Hash = CalculateHash( Password, "SHA-256" );
            CoveredSHA256Hash = CalculateHash( Password, UserName, "SHA-256" );
            CoveredSHA256Hash = CalculateHash( CoveredSHA256Hash, RandomNumber,
"SHA-256" );

            RawSHA1Hash = CalculateHash( Password, "SHA-1" );
            CoveredSHA1Hash = CalculateHash( Password, UserName, "SHA-1" );
            CoveredSHA1Hash = CalculateHash( CoveredSHA1Hash, RandomNumber, "SHA-1"
);
        }

        private string CalculateHash( string Value1, string Value2, string
HashingAlgorithm )
        {
            return CalculateHash( Value1 + Value2, HashingAlgorithm );
        }

        private string CalculateHash( string Value, string HashingAlgorithm )
        {
            byte[] arrByte;

            if( HashingAlgorithm == "SHA-1" )
            {
                SHA1Managed hash = new SHA1Managed();
                arrByte = hash.ComputeHash( ASCIIEncoding.ASCII.GetBytes( Value ) );
            }
            else if( HashingAlgorithm == "SHA-256" )
            {
                SHA256Managed hash = new SHA256Managed();
                arrByte = hash.ComputeHash( ASCIIEncoding.ASCII.GetBytes( Value ) );
            }
            else
            {

```



```

        throw new ApplicationException( string.Format( "Unknow hashing
algorithm: {0}", HashingAlgorithm ) );
    }

    string s = "";
    for( int i = 0; i < arrByte.Length; i++ )
    {
        s += arrByte[i].ToString( "x2" );
    }
    return s;
}

private string GenerateRandomNumber( int numberOfDigits )
{
    System.Security.Cryptography.RNGCryptoServiceProvider rng = new
System.Security.Cryptography.RNGCryptoServiceProvider();

    byte[] numbers = new byte[numberOfDigits * 2];
    rng.GetNonZeroBytes( numbers );

    string result = "";
    for( int i = 0; i < numberOfDigits; i++ )
    {
        result += numbers[i].ToString();
    }

    result = result.Replace( "0", "" );
    return result.Substring( 1, numberOfDigits );
}
}
}
}

```

class Program

```

using System;
using System.Text;
using System.Net.Http;

namespace SampleVsaRestApiClient
{
    class Program
    {
        static void Main( string[] args )
        {
            string Url = @"http://myvsa.com";
            string UserName = "UserName";
            string Password = "Password";

            // Getting authenticated...
            var h = new Hash( UserName, Password );

            var headerParam = Convert.ToBase64String(
                Encoding.Default.GetBytes(
                    string.Format(
"user={0},pass2={1},pass1={2},rpass2={3},rpass1={4},rand2={5}",
                UserName,

```

```

        h.CoveredSHA256Hash,
        h.CoveredSHA1Hash,
        h.RawSHA256Hash,
        h.RawSHA1Hash,
        h.RandomNumber ) ) );

using( var client = new HttpClient() )
{
    client.DefaultRequestHeaders.Authorization = new
System.Net.Http.Headers.AuthenticationHeaderValue( "Basic", headerParam );

    Console.WriteLine( "Making request... " );
    var response = client.GetAsync( new Uri( string.Format(
@"{0}/api/v1.0/auth", Url ) ) ).Result;
    Console.WriteLine( "StatusCode : " + (int)response.StatusCode + " "
+ response.StatusCode.ToString() );
    if( response.IsSuccessStatusCode )
        Console.WriteLine(
response.Content.ReadAsStringAsync().Result );
    }
}
}
}
}

```

Deprecated Resources

The following deprecated REST API resource routes are supported. When a valid authenticated request is made to these routes, the response contains a Location header with the updated location for the resource. Most user agents will automatically reissue a request to the new URL in the Location header, returning a response from the new route without interruption to the client.

- GET /automation/servicedesk - redirects to [GET /automation/servicedesks](#) (page 165)
- GET /automation/servicedesk{serviceDeskId}/tickets - redirects to [GET /automation/servicedesks/{serviceDeskId}/tickets](#) (page 170)
- GET /automation/servicedesk/{serviceDeskId}/ticketstatus - redirects to [GET /automation/servicedesks/{serviceDeskId}/status](#) (page 172)

These deprecated resources are not visible in Swagger but can continue to be used.

Chapter 2

Agent Procedures

Agent procedures automate user-defined tasks performed on managed machines. For example, a custom agent procedure can be created to install or uninstall a 3rd party software client on agent managed machines. Agent procedures cannot be run on mobile devices or on machines without an agent installed. An agent procedure may be limited to certain operating systems or require a specific system configuration to execute successfully. For details see **agent procedures**

(<http://help.kaseya.com/webhelp/EN/VSA/9040000/index.asp#2845.htm>).

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Get Agent Procedures

Returns an array of agent procedures.





GET /automation/agentprocs

- Accepts filter and sort **expressions** (*page 10*).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|--------------------|----------|---|---|
| AgentProcedureId | int |  | |
| AgentProcedureName | string |  |  |
| Path | string |  | |
| Description | string | | |
| Attributes | object | | |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "AgentProcedureId": 0,
      "AgentProcedureName": "string",
      "Path": "string",
      "Description": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Scheduled Agent Procedures

Returns an array of agent procedure schedule records for a specified agent.

GET /automation/agentprocs/{agentId}/scheduledprocs

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------------|-------------|-------------------------------------|--------------------------|
| AgentProcedureId | int | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| AgentId | decimal | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ServerTimeZone | boolean | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| SkipIfOffLine | boolean | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| PowerUpIfOffLine | boolean | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ScriptPrompts | (see below) | | |
| Recurrence | (see below) | | |
| Distribution | (see below) | | |
| Start | (see below) | | |
| Exclusion | (see below) | | |
| Attributes | object | | |

ScriptPrompts

| Field | Datatype | Filterable | Sortable |
|---------|----------|------------|----------|
| Caption | string | | |
| Name | string | | |

| | |
|-------|--------|
| Value | string |
|-------|--------|

RecurrenceOptions

See recurrence options values below.

| Field | Datatype | Filterable | Sortable |
|-----------------------|----------|------------|----------|
| Repeat | string | | |
| Times | int | | |
| DaysOfWeek | string | | |
| DayOfMonth | string | | |
| SpecificDayOfMonth | int | | |
| MonthOfYear | string | | |
| EndAt | string | | |
| EndOn | string | | |
| EndAfterIntervalTimes | int | | |

DistributionWindow

| Field | Datatype | Filterable | Sortable |
|-----------|----------|------------|----------|
| Interval | string | | |
| Magnitude | int | | |

StartOptions

| Field | Datatype | Filterable | Sortable |
|---------|----------|------------|----------|
| StartOn | string | | |
| StartAt | string | | |

ExclusionWindow

| Field | Datatype | Filterable | Sortable |
|-------|----------|------------|----------|
| From | string | | |
| To | string | | |

Recurrence Options Values

| | |
|--------|---------|
| Repeat | Never |
| | Minutes |
| | Hours |
| | Days |
| | Weeks |
| | Months |
| | Years |

Agent Procedures

| | |
|------------|-----------|
| DaysOfWeek | Sunday |
| | Monday |
| | Tuesday |
| | Wednesday |
| | Thursday |
| | Friday |
| | Saturday |

| | |
|------------|--------------|
| DayOfMonth | FirstSunday |
| | SecondSunday |
| | ThirdSunday |
| | FourthSunday |
| | LastSunday |

| | |
|--|--------------|
| | FirstMonday |
| | SecondMonday |
| | ThirdMonday |
| | FourthMonday |
| | LastMonday |

| | |
|--|---------------|
| | FirstTuesday |
| | SecondTuesday |
| | ThirdTuesday |
| | FourthTuesday |
| | LastTuesday |

| | |
|--|-----------------|
| | FirstWednesday |
| | SecondWednesday |
| | ThirdWednesday |
| | FourthWednesday |
| | LastWednesday |

| | |
|--|----------------|
| | FirstThursday |
| | SecondThursday |
| | ThirdThursday |
| | FourthThursday |
| | LastThursday |

| | |
|--|--------------|
| | FirstFriday |
| | SecondFriday |
| | ThirdFriday |
| | FourthFriday |
| | LastFriday |

| | |
|--|----------------|
| | FirstSaturday |
| | SecondSaturday |
| | ThindSaturday |
| | FourthSaturday |
| | LastSaturday |

| | |
|--|---------------|
| | FirstWeekDay |
| | SecondWeekDay |
| | ThirdWeekDay |
| | FourthWeekDay |
| | LastWeekDay |

| | |
|--|------------------|
| | FirstWeekendDay |
| | SecondWeekendDay |
| | ThirdWeekendDay |
| | FourthWeekendDay |
| | LastWeekendDay |

| | |
|--|-----------|
| | FirstDay |
| | SecondDay |
| | ThirdDay |
| | FourthDay |
| | LastDay |

| | |
|-------------|----------|
| MonthOfYear | January |
| | February |
| | March |
| | April |
| | May |
| | June |
| | July |

Agent Procedures

| | |
|-------|---|
| | August |
| | September |
| | October |
| | November |
| | December |
| EndAt | T0000 to T2345 in increments of 15 minutes Example: to specify 1:45 PM use T1345 |
| EndOn | Example: 2017-04-27T15:59:59.809Z |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "AgentProcedureId": 0,
      "AgentId": 0,
      "ServerTimeZone": true,
      "SkipIfOffLine": true,
      "PowerUpIfOffLine": true,
      "Recurrence": {
        "Repeat": "Never",
        "Times": 0,
        "DaysOfWeek": "string",
        "DayOfMonth": "FirstSunday",
        "SpecificDayOfMonth": 0,
        "MonthOfYear": "January",
        "EndAt": "T0000",
        "EndOn": "2015-08-07T20:28:53.444Z",
        "EndAfterIntervalTimes": 0
      },
      "Distribution": {
        "Interval": "Minutes",
        "Magnitude": 0
      },
      "Start": {
        "StartOn": "2015-08-07T20:28:53.444Z",
        "StartAt": "T0000"
      },
      "Exclusion": {
        "From": "T0000",
        "To": "T0000"
      },
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Run Agent Procedure

Runs an agent procedure immediately for a single agent. When the request is valid, returns a 204 No Content response. When the request is invalid, returns a 404 Not Found response. This occurs when :

- The supplied {agentProcedureId} does not exist.
- The supplied {agentProcedureId} is any *system* script other than Audit scripts 135, 136 or 137.
- The user does not have 'execute' permission in the {agentProcedureId}'s folder security settings.

PUT /automation/agentprocs/{agentId}/{agentProcId}/runnow

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Schedule Agent Procedure

Schedules an agent procedure for a single agent. When the request is valid, returns a 204 No Content response. When the request is invalid, returns a 404 Not Found response. This occurs when :

- The supplied {agentProcedureId} does not exist.
- The supplied {agentProcedureId} is any *system* script other than Audit scripts 135, 136 or 137.

The user does not have 'execute' permission in the {agentProcedureId}'s folder security settings.

PUT /automation/agentprocs/{agentId}/{agentProcId}/schedule

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------------|-------------|-------------------------------------|--------------------------|
| AgentProcedureId | int | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| AgentId | decimal | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ServerTimeZone | boolean | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| SkipIfOffline | boolean | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| PowerUpIfOffline | boolean | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ScriptPrompts | (see below) | | |
| Recurrence | (see below) | | |
| Distribution | (see below) | | |
| Start | (see below) | | |
| Exclusion | (see below) | | |
| Attributes | object | | |

ScriptPrompts

| Field | Datatype | Filterable | Sortable |
|---------|----------|------------|----------|
| Caption | string | | |
| Name | string | | |

| | |
|-------|--------|
| Value | string |
|-------|--------|

RecurrenceOptions

See recurrence options values below.

| Field | Datatype | Filterable | Sortable |
|-----------------------|----------|------------|----------|
| Repeat | string | | |
| Times | int | | |
| DaysOfWeek | string | | |
| DayOfMonth | string | | |
| SpecificDayOfMonth | int | | |
| MonthOfYear | string | | |
| EndAt | string | | |
| EndOn | string | | |
| EndAfterIntervalTimes | int | | |

DistributionWindow

| Field | Datatype | Filterable | Sortable |
|-----------|----------|------------|----------|
| Interval | string | | |
| Magnitude | int | | |

StartOptions

| Field | Datatype | Filterable | Sortable |
|---------|----------|------------|----------|
| StartOn | string | | |
| StartAt | string | | |

ExclusionWindow

| Field | Datatype | Filterable | Sortable |
|-------|----------|------------|----------|
| From | string | | |
| To | string | | |

Recurrence Options Values

| | |
|--------|---------|
| Repeat | Never |
| | Minutes |
| | Hours |
| | Days |
| | Weeks |
| | Months |
| | Years |

Agent Procedures

| | |
|------------|-----------|
| DaysOfWeek | Sunday |
| | Monday |
| | Tuesday |
| | Wednesday |
| | Thursday |
| | Friday |
| | Saturday |

| | |
|------------|--------------|
| DayOfMonth | FirstSunday |
| | SecondSunday |
| | ThirdSunday |
| | FourthSunday |
| | LastSunday |

| | |
|--|--------------|
| | FirstMonday |
| | SecondMonday |
| | ThirdMonday |
| | FourthMonday |
| | LastMonday |

| | |
|--|---------------|
| | FirstTuesday |
| | SecondTuesday |
| | ThirdTuesday |
| | FourthTuesday |
| | LastTuesday |

| | |
|--|-----------------|
| | FirstWednesday |
| | SecondWednesday |
| | ThirdWednesday |
| | FourthWednesday |
| | LastWednesday |

| | |
|--|----------------|
| | FirstThursday |
| | SecondThursday |
| | ThirdThursday |
| | FourthThursday |
| | LastThursday |

Agent Procedures

| | |
|-------|---|
| | August |
| | September |
| | October |
| | November |
| | December |
| EndAt | T0000 to T2345 in increments of 15 minutes Example: to specify 1:45 PM use T1345 |
| EndOn | Example: 2017-04-27T15:59:59.809Z |

Sample Request Model

```
{
  "ServerTimeZone": true,
  "SkipIfOffline": true,
  "PowerUpIfOffline": true,
  "ScriptPrompts": [
    {
      "Caption": "string",
      "Name": "string",
      "Value": "string"
    }
  ],
  "Recurrence": {
    "Repeat": "Never",
    "Times": 0,
    "DaysOfWeek": "string",
    "DayOfMonth": "FirstSunday",
    "SpecificDayOfMonth": 0,
    "MonthOfYear": "January",
    "EndAt": "T0000",
    "EndOn": "2016-02-05T21:02:56.650Z",
    "EndAfterIntervalTimes": 0
  },
  "Distribution": {
    "Interval": "Minutes",
    "Magnitude": 0
  },
  "Start": {
    "StartOn": "2016-02-05T21:02:56.650Z",
    "StartAt": "T0000"
  },
  "Exclusion": {
    "From": "T0000",
    "To": "T0000"
  },
  "Attributes": {}
}
```

Get Agent Procedure History

Returns an array of agent procedure runtime history records.









GET /automation/agentprocs/{agentId}/history

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------------------|----------|---|---|
| ScriptName | string |  |  |
| LastExecutionTime | datetime |  |  |
| Status | string |  |  |
| Admin | string |  |  |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "ScriptName": "string",
      "LastExecutionTime": "2016-03-15T15:50:11.900Z",
      "Status": "string",
      "Admin": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Cancel Scheduled Agent Procedure

Cancels a scheduled agent procedure running on an agent machine.

DELETE /automation/agentprocs/{agentId}/{agentProclId}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Quick Launch Agent Procedures

Returns an array of agent procedures that can be "quick launched" from the [Quick View](#) window.

GET /automation/agentprocs/quicklaunch

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|--------------------|----------|------------|----------|
| AgentProcedureId | int | | |
| AgentProcedureName | string | | |
| Path | string | | |
| Description | string | | |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "AgentProcedureId": 0,
      "AgentProcedureName": "string",
      "Path": "string",
      "Description": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Update Quick Launch Agent Procedure

Updates a quick launch agent procedure.

PUT /automation/agentprocs/quicklaunch/{agentProcedureId}

- Does not accept filter and sort [expressions](#) (page 10).

- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Delete Quick Launch Agent Procedure

Deletes a quick launch agent procedure.

DELETE /automation/agentprocs/quicklaunch/{agentProcedureId}

- Does not accept filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get 'Ask Before Running' Setting

Returns the setting for the 'Ask before executing' checkbox on the Quick View dialog. This checkbox is set individually for each VSA user and is applied only when running a quicklaunch agent procedure.

GET /automation/agentprocs/quicklaunch/askbeforeexecuting

- Does not accept filter and sort [expressions](#) (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Set 'Ask Before Running' Setting

Sets the value of the 'Ask before executing' checkbox on the [Quick View](#) dialog. This checkbox is set individually for each VSA user and is applied only when running a quicklaunch agent procedure.

PUT /automation/agentprocs/quicklaunch/askbeforeexecuting

- Does not accept filter and sort [expressions](#) (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}
- flag: true or false

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get User Portal Agent Procedures

Returns an array of agent procedures displayed on the user portal.

GET /automation/agentprocsportal

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|--------------------|----------|------------|----------|
| AgentProcedureId | int | | |
| AgentProcedureName | string | | |
| Path | string | | |
| Description | string | | |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "AgentProcedureId": 0,
      "AgentProcedureName": "string",
      "Path": "string",
      "Description": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```


Chapter 3

Audit

Agents audit the hardware and software configurations of their managed machines on a recurring basis. Agents report the information back to the Kaseya Server so you can access it using the VSA even when managed machines are powered down. The system maintains three types of audits for each machine ID:

- **Baseline audit** - The configuration of the system in its original state. Typically a baseline audit is performed when a system is first set up.
- **Latest audit** - The configuration of the system as of the last audit. Once per day is recommended.
- **System Info** - All DMI / SMBIOS data of the system as of the last system info audit. This data seldom changes and typically only needs to be run once.

The VSA detects changes in a machine's configuration by comparing the latest audit to the baseline audit. The Kaseya REST API provides both a summary audit record (single level) and a detailed audit record (multi-level).

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Get Audit Summaries

Returns an array of audit summary records.

GET /assetmgmt/audit

- Accepts filter and sort **expressions** (*page 10*).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Audit

Model Schema

| Field | Datatype | Filterable | Sortable |
|---------------------|----------|-------------------------------------|-------------------------------------|
| AgentGuid | decimal | <input type="checkbox"/> | <input type="checkbox"/> |
| DisplayName | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| TimezoneOffset | int | <input type="checkbox"/> | <input type="checkbox"/> |
| CurrentLogin | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| AgentType | int | <input type="checkbox"/> | <input type="checkbox"/> |
| RebootTime | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| LastCheckinTime | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| GroupName | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| FirstCheckinTime | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| TimeZone | string | <input type="checkbox"/> | <input type="checkbox"/> |
| WorkgroupDomainType | int | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| WorkgroupDomainName | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| ComputerName | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| DnsComputerName | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| OsType | string | <input type="checkbox"/> | <input type="checkbox"/> |
| OsInfo | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| IpAddress | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Ipv6Address | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| SubnetMask | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| DefaultGateway | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| ConnectionGatewayIp | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| GatewayCountry | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| MacAddress | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| DnsServer1 | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| DnsServer2 | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| DhcpEnabled | int | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| DhcpServer | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| WinsEnabled | int | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| PrimaryWinsServer | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| SecondaryWinsServer | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| CpuType | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| CpuSpeed | int | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| CpuCount | int | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RamMBytes | int | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| AgentVersion | int | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

| | | | |
|-------------------------|--------|--|--|
| LastLoginName | string | | |
| LoginName | string | | |
| PrimaryKServer | string | | |
| SecondaryKServer | string | | |
| QuickCheckinPeriod | string | | |
| ContactName | string | | |
| ContactEmail | string | | |
| ContactPhone | string | | |
| ContactNotes | string | | |
| Manufacturer | string | | |
| ProductName | string | | |
| SystemVersion | string | | |
| SystemSerialNumber | string | | |
| ChassisSerialNumber | string | | |
| ChassisAssetTag | string | | |
| ExternalBusSpeed | string | | |
| MaxMemorySize | string | | |
| MemorySlots | string | | |
| ChassisManufacturer | string | | |
| ChassisType | string | | |
| ChassisVersion | string | | |
| MotherboardManufacturer | string | | |
| MotherboardProduct | string | | |
| MotherboardVersion | string | | |
| MotherboardSerialNumber | string | | |
| ProcessorFamily | string | | |
| ProcessorManufacturer | string | | |
| ProcessorVersion | string | | |
| ProcessorMaxSpeed | string | | |
| ProcessorCurrentSpeed | string | | |
| FreeSpace | int | | |
| UsedSpace | int | | |
| TotalSize | int | | |
| NumberOfDrives | int | | |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "AgentGuid": 0,
      "DisplayName": "string",
      "TimezoneOffset": 0,
      "CurrentLogin": "string",
      "AgentType": 0,
      "RebootTime": "2015-08-04T21:45:50.992Z",
      "LastCheckinTime": "2015-08-04T21:45:50.992Z",
      "GroupName": "string",
      "FirstCheckinTime": "2015-08-04T21:45:50.992Z",
      "TimeZone": "string",
      "WorkgroupDomainType": 0,
      "WorkgroupDomainName": "string",
      "ComputerName": "string",
      "DnsComputerName": "string",
      "OsType": "string",
      "OsInfo": "string",
      "IpAddress": "string",
      "Ipv6Address": "string",
      "SubnetMask": "string",
      "DefaultGateway": "string",
      "ConnectionGatewayIp": "string",
      "GatewayCountry": "string",
      "MacAddress": "string",
      "DnsServer1": "string",
      "DnsServer2": "string",
      "DhcpEnabled": 0,
      "DhcpServer": "string",
      "WinsEnabled": 0,
      "PrimaryWinsServer": "string",
      "SecondaryWinsServer": "string",
      "CpuType": "string",
      "CpuSpeed": 0,
      "CpuCount": 0,
      "RamMBytes": 0,
      "AgentVersion": 0,
      "LastLoginName": "string",
      "LoginName": "string",
      "PrimaryKServer": "string",
      "SecondaryKServer": "string",
      "QuickCheckinPeriod": "string",
      "ContactName": "string",
      "ContactEmail": "string",
      "ContactPhone": "string",
      "ContactNotes": "string",
      "Manufacturer": "string",
      "ProductName": "string",
      "SystemVersion": "string",
      "SystemSerialNumber": "string",
      "ChassisSerialNumber": "string",
      "ChassisAssetTag": "string",
    }
  ]
}
```



```

    "ExternalBusSpeed": "string",
    "MaxMemorySize": "string",
    "MemorySlots": "string",
    "ChassisManufacturer": "string",
    "ChassisType": "string",
    "ChassisVersion": "string",
    "MotherboardManufacturer": "string",
    "MotherboardProduct": "string",
    "MotherboardVersion": "string",
    "MotherboardSerialNumber": "string",
    "ProcessorFamily": "string",
    "ProcessorManufacturer": "string",
    "ProcessorVersion": "string",
    "ProcessorMaxSpeed": "string",
    "ProcessorCurrentSpeed": "string",
    "FreeSpace": 0,
    "UsedSpace": 0,
    "TotalSize": 0,
    "NumberOfDrives": 0
  }
],
"ResponseCode": 0,
"Status": "string",
"Error": "string"
}

```

Get Credentials

Returns an array of credentials for an agent.

GET /assetmgmt/audit/{agentId}/credentials

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-----------------|----------|------------|----------|
| CredentialId | decimal | | |
| Type | string | | |
| Name | string | | |
| UserName | string | | |
| Domain | string | | |
| CreateAccount | boolean | | |
| AsAdministrator | boolean | | |
| InEffect | boolean | | |

Audit

| | |
|------------|--------|
| Attributes | object |
|------------|--------|

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "CredentialId": 0,
      "Type": "string",
      "Name": "string",
      "UserName": "string",
      "Domain": "string",
      "CreateAccount": true,
      "AsAdministrator": true,
      "InEffect": true,
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Local User Groups

Returns an array of local user groups on the agent machine.

GET /assetmgmt/audit/{agentId}/groups

- Accepts filter and sort **expressions** (*page 10*).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|---------------|----------|------------|----------|
| UserGroupName | string | | |
| Description | string | | |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "UserGroupName": "string",
      "Description": "string"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Disk Volumes

Returns an array of disk volumes on the agent machine.









GET /assetmgmt/audit/{agentId}/hardware/diskvolumes

- Accepts filter and sort **expressions** (*page 10*).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------------|----------|---|---|
| Drive | string |  |  |
| Type | string |  |  |
| Format | string |  |  |
| FreeMBytes | int | | |
| UsedMBytes | int | | |
| TotalMBytes | int | | |
| Label | string |  |  |

Audit

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "Drive": "string",
      "Type": "string",
      "Format": "string",
      "FreeMBytes": 0,
      "UsedMBytes": 0,
      "TotalMBytes": 0,
      "Label": "string"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get PCI and Disks

Returns an array of disk drives and pci devices on the agent machine.











GET /assetmgmt/audit/{agentId}/hardware/pcianddisk

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------|----------|---|---|
| TypeId | int |  |  |
| TypeName | string |  |  |
| Vendor | string |  |  |
| Product | string |  |  |
| Note | string |  |  |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "TypeId": 0,
      "TypeName": "string",
      "Vendor": "string",
      "Product": "string",
      "Note": "string"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Printers

Returns an array of printers and ports configured on an agent machine.







GET /assetmgmt/audit/{agentId}/hardware/printers

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------------|----------|---|---|
| PrinterName | string |  |  |
| Port | string |  |  |
| Model | string |  |  |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "PrinterName": "string",
      "Port": "string",
      "Model": "string"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Local User Group Members

Returns an array of local users in each local user group on the agent machine.





GET /assetmgmt/audit/{agentId}/members

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|---------------|----------|---|---|
| UserGroupName | string |  |  |
| MemberName | string |  |  |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "UserGroupName": "string",
      "MemberName": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Add/Remove Programs

Returns an array of program entries in the add/remove list of Windows machines.



GET /assetmgmt/audit/{agentId}/software/addremoveprograms

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-----------------|----------|---|---|
| DisplayName | string |  |  |
| UninstallString | string | | |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "DisplayName": "string",
      "UninstallString": "string"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Installed Applications

Returns an array of installed applications on the agent machine.








GET /assetmgmt/audit/{agentId}/software/installedapplications

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------------|----------|---|---|
| ApplicationName | string |  |  |
| Description | string | | |
| Version | string | | |
| Manufacturer | string |  |  |
| ProductName | string |  |  |
| DirectoryPath | string | | |
| Size | int | | |
| LastModifiedDate | string | |  |

Audit

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "ApplicationName": "string",
      "Description": "string",
      "Version": "string",
      "Manufacturer": "string",
      "ProductName": "string",
      "DirectoryPath": "string",
      "Size": 0,
      "LastModifiedDate": "2016-02-08T17:14:20.671Z",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Software Licences

Returns an array of licenses used by the agent machine.













GET /assetmgmt/audit/{agentId}/software/licenses

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------------|----------|---|---|
| Publisher | string |  |  |
| ProductName | string |  |  |
| ProductKey | string |  |  |
| LicenseCode | string |  |  |
| Version | string |  |  |
| InstallationDate | datetime |  |  |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "Publisher": "string",
      "ProductName": "string",
      "ProductKey": "string",
      "LicenseCode": "string",
      "Version": "string",
      "InstallationDate": "2016-02-08T17:14:20.675Z"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Security Products

Returns an array of security products installed on the agent machine.











GET /assetmgmt/audit/{agentId}/software/securityproducts

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|--------------|----------|---|---|
| ProductType | string |  |  |
| ProductName | string |  |  |
| Manufacturer | string |  |  |
| Version | string | | |
| IsActive | true |  |  |
| IsUpToDate | true |  |  |

Audit

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "ProductType": "string",
      "ProductName": "string",
      "Manufacturer": "string",
      "Version": "string",
      "IsActive": true,
      "IsUpToDate": true,
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Startup Apps

Returns an array of startup apps on the agent machine.







GET /assetmgmt/audit/{agentId}/software/startupapps

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------|----------|---|---|
| AppName | string |  |  |
| AppCommand | string |  |  |
| UserName | string |  |  |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "AppName": "string",
      "AppCommand": "string",
      "UserName": "string"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Audit Summary

Returns the audit summary for the agent machine.

GET /assetmgmt/audit/{agentId}/summary

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-----------|-----------|------------|----------|
| LastAudit | date/time | | |
| NextAudit | date/time | | |

SystemInfo

| | | | |
|-----------------|--------|--|--|
| Manufacturer | string | | |
| ProductName | string | | |
| Version | string | | |
| SysSerialNumber | string | | |

NetworkInfo

| | | | |
|---------------------|--------|---|--|
| IpAddress | string | | |
| Ipv6Address | string | | |
| SubnetMask | string | | |
| DefaultGateway | string | | |
| ConnectionGatewayIp | string | | |
| Country | string | | |
| MacAddr | string | | |
| DhcpEnabled | int | | |
| DhcpServer | string | | |
| DnsServer | string | | |
| WINSEnabled | int | | |
| PrimaryWINS | string | | |
| SecondaryWINS | string | - | |

TimeInfo

| | | | |
|-------------|----------|--|--|
| KServerTime | datetime | | |
| AgentTime | datetime | | |

Audit

| | |
|---------------|----------|
| LastCheckin | datetime |
| LastReboot | datetime |
| FirstCheckin | datetime |
| AgentTimeZone | datetime |

Chassis

| | |
|---------------------|--------|
| ChassisManufacturer | string |
| ChassisType | string |
| ChassisVersion | string |
| ChassisSerialNumber | string |
| ChassisAssetTag | string |

Motherboard

| | |
|-------------------------|--------|
| MotherboardManufacturer | string |
| MotherboardProduct | string |
| MotherboardVersion | string |
| MotherboardSerialNumber | string |
| ExternalBusSpeed | string |

BIOS

| | |
|-----------------|----------|
| BiosVendor | string |
| BiosVersion | string |
| BiosReleaseDate | datetime |

CPURAM

| | |
|-----------------------|--------|
| ProcessorManufacturer | string |
| ProcessorFamily | string |
| ProcessorVersion | string |
| ProcessorMaxSpeed | string |
| ProcessorCurrentSpeed | string |
| CpuDescription | string |
| CpuCount | int |
| CpuSpeedMHz | int |
| RamMBytes | int |
| MaxMemorySize | string |
| MemorySlots | string |

OnBoardDevices

| | |
|-------------|--------|
| Type | string |
| Description | string |

PortConnectors

| | |
|----------------|--------|
| InternalRef | string |
| ExternalRef | string |
| ConnectionType | string |
| PortType | string |

MemoryDevices

| | |
|----------------|--------|
| Size | string |
| Form | string |
| DeviceLocation | string |
| BankLocation | string |
| Type | string |
| Detail | string |
| Speed | string |

SystemSlots

| | |
|------------|--------|
| Designator | string |
| Type | string |
| Usage | string |
| ID | string |

CustomFields

| | |
|------------|--------|
| FieldName | string |
| FieldValue | string |

Sample Response Model

```
{
  "Result": {
    "LastAudit": "2016-03-14T22:19:31.823Z",
    "NextAudit": "2016-03-14T22:19:31.823Z",
    "SystemInfo": {
      "Manufacturer": "string",
      "ProductName": "string",
      "Version": "string",
      "SysSerialNumber": "string"
    },
    "NetworkInfo": {
      "IpAddress": "string",
      "Ipv6Address": "string",
      "SubnetMask": "string",
      "DefaultGateway": "string",
      "ConnectionGatewayIp": "string",
      "Country": "string",
      "MacAddr": "string",
      "DhcpEnabled": 0,
      "DhcpServer": "string",
      "DnsServer": "string",
      "WINSEnabled": 0,
      "PrimaryWINS": "string",
      "SecondaryWINS": "string"
    },
    "TimeInfo": {
      "KServerTime": "2016-03-14T22:19:31.823Z",
      "AgentTime": "2016-03-14T22:19:31.823Z",
      "LastCheckin": "2016-03-14T22:19:31.823Z",
      "LastReboot": "2016-03-14T22:19:31.823Z",
      "FirstCheckin": "2016-03-14T22:19:31.823Z",
      "AgentTimeZone": "string"
    },
    "Chassis": {
      "ChassisManufacturer": "string",
      "ChassisType": "string",
      "ChassisVersion": "string",
      "ChassisSerialNumber": "string",
      "ChassisAssetTag": "string"
    },
    "Motherboard": {
      "MotherboardManufacturer": "string",
      "MotherboardProduct": "string",
      "MotherboardVersion": "string",
      "MotherboardSerialNumber": "string",
      "ExternalBusSpeed": "string"
    },
    "BIOS": {
      "BiosVendor": "string",
      "BiosVersion": "string",
      "BiosReleaseDate": "2016-03-14T22:19:31.823Z"
    },
    "CPURAM": {
      "ProcessorManufacturer": "string",
```

```

    "ProcessorFamily": "string",
    "ProcessorVersion": "string",
    "ProcessorMaxSpeed": "string",
    "ProcessorCurrentSpeed": "string",
    "CpuDescription": "string",
    "CpuCount": 0,
    "CpuSpeedMHz": 0,
    "RamMBytes": 0,
    "MaxMemorySize": "string",
    "MemorySlots": "string"
  },
  "OnBoardDevices": [
    {
      "Type": "string",
      "Description": "string"
    }
  ],
  "PortConnectors": [
    {
      "InternalRef": "string",
      "ExternalRef": "string",
      "ConnectionType": "string",
      "PortType": "string"
    }
  ],
  "MemoryDevices": [
    {
      "Size": "string",
      "Form": "string",
      "DeviceLocation": "string",
      "BankLocation": "string",
      "Type": "string",
      "Detail": "string",
      "Speed": "string"
    }
  ],
  "SystemSlots": [
    {
      "Designator": "string",
      "Type": "string",
      "Usage": "string",
      "ID": 0
    }
  ],
  "CustomFields": {},
  "Attributes": {}
},
"ResponseCode": 0,
"Status": "string",
"Error": "string"
}

```

Get User Accounts

Returns an array of user accounts on the agent machine.





GET /assetmgmt/audit/{agentId}/useraccounts

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------------|----------|---|---|
| LogonName | string |  |  |
| FullName | string |  |  |
| Description | string | | |
| IsDisabled | boolean | | |
| IsLockedOut | boolean | | |
| IsPasswordRequired | boolean | | |
| IsPasswordExpired | boolean | | |
| IsPasswordChangeable | boolean | | |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "LogonName": "string",
      "FullName": "string",
      "Description": "string",
      "IsDisabled": true,
      "IsLockedOut": true,
      "IsPasswordRequired": true,
      "IsPasswordExpired": true,
      "IsPasswordChangeable": true
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Run a Baseline Audit

Runs a baseline audit immediately for a single agent. A baseline audit shows the configuration of the system in its original state. Typically a baseline audit is performed when a system is first set up.

PUT /assetmgmt/audit/baseline/{agentId}/runnow

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Schedule Baseline Audit

Schedules a baseline audit for a single agent. A baseline audit shows the configuration of the system in its original state. Typically a baseline audit is performed when a system is first set up.

PUT /assetmgmt/audit/baseline/{agentId}/schedule

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema**Sample Request Model**

| Field | Datatype | Filterable | Sortable |
|--------------|-------------|------------|----------|
| Recurrence | (see below) | | |
| Distribution | (see below) | | |
| Start | (see below) | | |
| Exclusion | (see below) | | |
| Attributes | object | | |

RecurrenceOptions

| | |
|--------------------|--------|
| Repeat | string |
| Times | int |
| DaysOfWeek | string |
| DayOfMonth | string |
| SpecificDayOfMonth | int |
| MonthOfYear | string |
| EndAt | string |

Audit

| | |
|-----------------------|--------|
| EndOn | string |
| EndAfterIntervalTimes | int |

DistributionWindow

| | |
|-----------|--------|
| Interval | string |
| Magnitude | int |

StartOptions

| | |
|---------|--------|
| StartOn | string |
| StartAt | string |

ExclusionWindow

| | |
|------|--------|
| From | string |
| To | string |

Sample Request Model

```
{
  "Recurrence": {
    "Repeat": "Never",
    "Times": 0,
    "DaysOfWeek": "string",
    "DayOfMonth": "FirstSunday",
    "SpecificDayOfMonth": 0,
    "MonthOfYear": "January",
    "EndAt": "T0000",
    "EndOn": "2015-08-06T16:19:39.218Z",
    "EndAfterIntervalTimes": 0
  },
  "Distribution": {
    "Interval": "Minutes",
    "Magnitude": 0
  },
  "Start": {
    "StartOn": "2015-08-06T16:19:39.218Z",
    "StartAt": "T0000"
  },
  "Exclusion": {
    "From": "T0000",
    "To": "T0000"
  },
  "Attributes": {}
}
```

Run Latest Audit

Runs a latest audit immediately for a single agent. The latest audit shows the configuration of the system as of the last audit. Once per day is recommended.

PUT /assetmgmt/audit/latest/{agentId}/runnow

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Schedule Latest Audit

Schedules a latest audit for a single agent. The latest audit shows the configuration of the system as of the last audit. Once per day is recommended.

PUT /assetmgmt/audit/latest/{agentId}/schedule

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|--------------|-------------|------------|----------|
| Recurrence | (see below) | | |
| Distribution | (see below) | | |
| Start | (see below) | | |
| Exclusion | (see below) | | |
| Attributes | object | | |

RecurrenceOptions

| | |
|--------------------|--------|
| Repeat | string |
| Times | int |
| DaysOfWeek | string |
| DayOfMonth | string |
| SpecificDayOfMonth | int |
| MonthOfYear | string |
| EndAt | string |
| EndOn | string |

Audit

| | |
|-----------------------|-----|
| EndAfterIntervalTimes | int |
|-----------------------|-----|

DistributionWindow

| | |
|----------|--------|
| Interval | string |
|----------|--------|

| | |
|-----------|-----|
| Magnitude | int |
|-----------|-----|

StartOptions

| | |
|---------|--------|
| StartOn | string |
|---------|--------|

| | |
|---------|--------|
| StartAt | string |
|---------|--------|

ExclusionWindow

| | |
|------|--------|
| From | string |
|------|--------|

| | |
|----|--------|
| To | string |
|----|--------|

Sample Request Model

```
{
  "Recurrence": {
    "Repeat": "Never",
    "Times": 0,
    "DaysOfWeek": "string",
    "DayOfMonth": "FirstSunday",
    "SpecificDayOfMonth": 0,
    "MonthOfYear": "January",
    "EndAt": "T0000",
    "EndOn": "2015-08-06T16:19:39.218Z",
    "EndAfterIntervalTimes": 0
  },
  "Distribution": {
    "Interval": "Minutes",
    "Magnitude": 0
  },
  "Start": {
    "StartOn": "2015-08-06T16:19:39.218Z",
    "StartAt": "T0000"
  },
  "Exclusion": {
    "From": "T0000",
    "To": "T0000"
  },
  "Attributes": {}
}
```

Run SysInfo Audit

Runs a sysinfo audit immediately for a single agent. The sysinfo audit shows all DMI / SMBIOS data of the system as of the last system info audit. This data seldom changes and typically only needs to be run once.

PUT /assetmgmt/audit/sysinfo/{agentId}/runnow

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Schedule SysInfo Audit

Schedules a sysinfo audit for a single agent. The sysinfo audit shows all DMI / SMBIOS data of the system as of the last system info audit. This data seldom changes and typically only needs to be run once.

PUT /assetmgmt/audit/sysinfo/{agentId}/schedule

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|--------------|-------------|------------|----------|
| Recurrence | (see below) | | |
| Distribution | (see below) | | |
| Start | (see below) | | |
| Exclusion | (see below) | | |
| Attributes | object | | |

RecurrenceOptions

| | |
|--------------------|--------|
| Repeat | string |
| Times | int |
| DaysOfWeek | string |
| DayOfMonth | string |
| SpecificDayOfMonth | int |
| MonthOfYear | string |
| EndAt | string |
| EndOn | string |

Audit

| | |
|-----------------------|-----|
| EndAfterIntervalTimes | int |
|-----------------------|-----|

DistributionWindow

| | |
|----------|--------|
| Interval | string |
|----------|--------|

| | |
|-----------|-----|
| Magnitude | int |
|-----------|-----|

StartOptions

| | |
|---------|--------|
| StartOn | string |
|---------|--------|

| | |
|---------|--------|
| StartAt | string |
|---------|--------|

ExclusionWindow

| | |
|------|--------|
| From | string |
|------|--------|

| | |
|----|--------|
| To | string |
|----|--------|

Sample Request Model

```
{
  "Recurrence": {
    "Repeat": "Never",
    "Times": 0,
    "DaysOfWeek": "string",
    "DayOfMonth": "FirstSunday",
    "SpecificDayOfMonth": 0,
    "MonthOfYear": "January",
    "EndAt": "T0000",
    "EndOn": "2015-08-06T16:19:39.218Z",
    "EndAfterIntervalTimes": 0
  },
  "Distribution": {
    "Interval": "Minutes",
    "Magnitude": 0
  },
  "Start": {
    "StartOn": "2015-08-06T16:19:39.218Z",
    "StartAt": "T0000"
  },
  "Exclusion": {
    "From": "T0000",
    "To": "T0000"
  },
  "Attributes": {}
}
```

Chapter 4

Patch Management

In This Chapter

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Run Patch Scan

Scans an agent machine immediately for missing patches.

PUT /assetmgmt/patch/{agentId}/scannow

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Schedule Patch Scan

Schedules a scan on an agent machine for missing patches.

PUT /assetmgmt/patch/{agentId}/schedule




- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Patch Management

Sample Request Model

| Field | Datatype | Filterable | Sortable |
|------------------|-------------|---|----------|
| ServerTimeZone | boolean |  | |
| SkipIfOffLine | boolean |  | |
| PowerUpIfOffLine | boolean |  | |
| PatchIds | List<Int32> | | |

| Field | Datatype | Filterable | Sortable |
|--------------|-------------|------------|----------|
| Recurrence | (see below) | | |
| Distribution | (see below) | | |
| Start | (see below) | | |
| Exclusion | (see below) | | |
| Attributes | object | | |

RecurrenceOptions

| | |
|-----------------------|--------|
| Repeat | string |
| Times | int |
| DaysOfWeek | string |
| DayOfMonth | string |
| SpecificDayOfMonth | int |
| MonthOfYear | string |
| EndAt | string |
| EndOn | string |
| EndAfterIntervalTimes | int |

DistributionWindow

| | |
|-----------|--------|
| Interval | string |
| Magnitude | int |

StartOptions

| | |
|---------|--------|
| StartOn | string |
| StartAt | string |

ExclusionWindow

| | |
|------|--------|
| From | string |
| To | string |

Sample Request Model

```
{
  "ServerTimeZone": true,
  "SkipIfOffline": true,
  "PowerUpIfOffline": true,
  "PatchIds": [
    0
  ],
  "Recurrence": {
    "Repeat": "Never",
    "Times": 0,
    "DaysOfWeek": "string",
    "DayOfMonth": "FirstSunday",
    "SpecificDayOfMonth": 0,
    "MonthOfYear": "January",
    "EndAt": "T0000",
    "EndOn": "2016-03-15T15:50:11.564Z",
    "EndAfterIntervalTimes": 0
  },
  "Distribution": {
    "Interval": "Minutes",
    "Magnitude": 0
  },
  "Start": {
    "StartOn": "2016-03-15T15:50:11.564Z",
    "StartAt": "T0000"
  },
  "Exclusion": {
    "From": "T0000",
    "To": "T0000"
  },
  "Attributes": {}
}
```

Get Patch Status

Returns the patch status of an agent machine.

GET /assetmgmt/patch/{agentId}/status

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------------|----------|------------|----------|
| AgentType | int | | |
| LastPatchScanstring | datetime | | |
| ExecScriptTimestring | datetime | | |
| RunCount | int | | |

Patch Management

| | |
|------------------------------|----------|
| MonthPeriod | int |
| ExecPeriod | int |
| RunAtTime | int |
| NextPatchScan | int |
| NextRunTime | string |
| ScheduledScanScriptId | int |
| ScheduledScanScriptSchedType | int |
| ScanRunAtTime | int |
| ScanNextRunTimestring | datetime |
| NewPatchAlert | int |
| PatchFailedAlert | int |
| InvalidCredentialAlert | int |
| WINAUChangedAlert | int |
| AlertEmailstring | string |
| SourceMachineGuidstring | string |
| LanCacheNamestring | string |
| PreRebootScriptNamestring | string |
| PostRebootScriptNamestring | string |
| ScanResultsPendingstring | string |
| Reset | int |
| RbWarnstring | string |
| RebootDaystring | string |
| RebootTimestring | string |
| NoRebootEmailstring | string |
| SourceType | int |
| SourcePathstring | string |
| SourceLocalstring | string |
| DestUseAgentDrive | int |
| UseInternetSrcFallback | int |

Sample Response Model

```
{
  "Result": {
    "AgentType": 0,
    "LastPatchScan": "2016-03-15T15:50:11.871Z",
    "ExecScriptTime": "2016-03-15T15:50:11.871Z",
    "RunCount": 0,
    "MonthPeriod": 0,
    "ExecPeriod": 0,
    "RunAtTime": 0,
    "NextPatchScan": 0,
    "NextRunTime": "string",
    "ScheduledScanScriptId": 0,
    "ScheduledScanScriptSchedType": 0,
    "ScanRunAtTime": 0,
    "ScanNextRunTime": "2016-03-15T15:50:11.871Z",
    "NewPatchAlert": 0,
    "PatchFailedAlert": 0,
    "InvalidCredentialAlert": 0,
    "WINAUChangedAlert": 0,
    "AlertEmail": "string",
    "SourceMachineGuid": "string",
    "LanCacheName": "string",
    "PreRebootScriptName": "string",
    "PostRebootScriptName": "string",
    "ScanResultsPending": "string",
    "Reset": 0,
    "RbWarn": "string",
    "RebootDay": "string",
    "RebootTime": "string",
    "NoRebootEmail": "string",
    "SourceType": 0,
    "SourcePath": "string",
    "SourceLocal": "string",
    "DestUseAgentDrive": 0,
    "UseInternetSrcFallback": 0,
    "Attributes": {}
  },
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Missing Patches

Returns an array of missing patches on an agent machine, with denied patches either included or excluded.

GET /assetmgmt/patch/{agentId}/machineupdate/{hideDeniedPatches}

- Accepts filter and sort **expressions** (*page 10*).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Patch Management

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------------|----------|------------|----------|
| PatchDataId | int | | |
| UpdateClassification | int | | |
| UpdateCategory | int | | |
| KBArticleId | string | | |
| KBArticleLink | string | | |
| SecurityBulletinId | string | | |
| SecurityBulletinLink | string | | |
| UpdateTitle | string | | |
| LastPublishedDate | datetime | | |
| LocationPending | int | | |
| LocationId | int | | |
| BulletinId | string | | |
| PatchState | int | | |
| InstallDate | datetime | | |
| Ignore | int | | |
| ProductId | int | | |
| ApprovalStatus | int | | |
| Location | string | | |
| WuaOverrideFlag | int | | |
| Switches | string | | |
| ProductName | string | | |
| IsSuperseded | boolean | | |
| WuaProductId | int | | |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "PatchDataId": 0,
      "Description": "string",
      "KBArticle": "string",
      "SecurityBulletinLink": "string",
      "Product": "string",
      "UpdateClassification": 0,
      "ReleaseDate": "2016-03-15T15:50:11.855Z",
      "Status": 0,
      "UpdateCategory": 0,
      "LocationPending": 0,
      "LocationId": 0,
      "PatchState": 0,
      "Ignore": 0,
      "WuaOverrideFlag": 0,
      "IsSuperseded": true,
      "manualUpdateFlag": 0,
      "schedTogether": 0,
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Patch History

Returns the patch history for an agent.









GET /assetmgmt/patch/{agentId}/history

- Accepts filter and sort **expressions** (*page 10*).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------------|----------|---|---|
| PatchDataId | int |  |  |
| UpdateClassification | int |  |  |
| UpdateCategory | int |  |  |
| KBArticleId | string | |  |
| KBArticleLink | string | | |
| SecurityBulletinId | string | |  |
| SecurityBulletinLink | string | | |

Patch Management

| | | | |
|-------------------|----------|---|---|
| UpdateTitle | string | | |
| LastPublishedDate | datetime | 🟡 | 🟡 |
| LocationPending | int | 🟡 | 🟡 |
| LocationId | int | | |
| BulletinId | string | | 🟡 |
| PatchState | int | 🟡 | 🟡 |
| InstallDate | datetime | 🟡 | 🟡 |
| Ignore | int | 🟡 | 🟡 |
| ProductId | int | 🟡 | 🟡 |
| ApprovalStatus | int | 🟡 | 🟡 |
| Location | string | | |
| WuaOverrideFlag | int | 🟡 | 🟡 |
| Switches | string | | |
| ProductName | string | 🟡 | 🟡 |
| IsSuperseded | boolean | 🟡 | 🟡 |
| WuaProductId | int | 🟡 | 🟡 |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "PatchDataId": 0,
      "UpdateClassification": 0,
      "UpdateCategory": 0,
      "KBArticleId": "string",
      "KBArticleLink": "string",
      "SecurityBulletinId": "string",
      "SecurityBulletinLink": "string",
      "UpdateTitle": "string",
      "LastPublishedDate": "2016-03-15T15:50:11.851Z",
      "LocationPending": 0,
      "LocationId": 0,
      "BulletinId": "string",
      "PatchState": 0,
      "InstallDate": "2016-03-15T15:50:11.851Z",
      "Ignore": 0,
      "ProductId": 0,
      "ApprovalStatus": 0,
      "Location": "string",
      "WuaOverrideFlag": 0,
      "Switches": "string",
      "ProductName": "string",
      "IsSuperseded": true,
      "WuaProductId": 0,
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Run Patch Update

Runs a patch update immediately.



PUT /assetmgmt/patch/runnow

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.


Headers

- Authorization: Bearer {hash string returned from Authentication}

Sample Response Model

| Field | Datatype | Filterable | Sortable |
|----------------|----------|---|----------|
| ServerTimeZone | boolean |  | |
| SkipIfOffline | boolean |  | |

Patch Management

| | | |
|------------------|-------------|---|
| PowerUpIfOffline | boolean |  |
| PatchIds | List<Int32> | |

| Field | Datatype | Filterable | Sortable |
|--------------|-------------|------------|----------|
| Recurrence | (see below) | | |
| Distribution | (see below) | | |
| Start | (see below) | | |
| Exclusion | (see below) | | |
| Attributes | object | | |

RecurrenceOptions

| | |
|-----------------------|--------|
| Repeat | string |
| Times | int |
| DaysOfWeek | string |
| DayOfMonth | string |
| SpecificDayOfMonth | int |
| MonthOfYear | string |
| EndAt | string |
| EndOn | string |
| EndAfterIntervalTimes | int |

DistributionWindow

| | |
|-----------|--------|
| Interval | string |
| Magnitude | int |

StartOptions

| | |
|---------|--------|
| StartOn | string |
| StartAt | string |

ExclusionWindow

| | |
|------|--------|
| From | string |
| To | string |

Cancel a Scheduled Patch

Cancels a scheduled patch for an agent machine.

DELETE /assetmgmt/patch/{agentId}/cancelschedule

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Delete Patch

Deletes a patch.

DELETE /assetmgmt/patch

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Set Patch Ignore

Sets the **ignore** setting for missing patches for an agent machine. The request must include an array of **PatchIds** to specify which patches are being ignored.




PUT /assetmgmt/patch/{agentId}/setignore

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Sample Request Model

| Field | Datatype | Filterable | Sortable |
|------------------|-------------|---|----------|
| ServerTimeZone | boolean |  | |
| SkipIfOffline | boolean |  | |
| PowerUpIfOffline | boolean |  | |
| PatchIds | List<Int32> | | |

Patch Management

| Field | Datatype | Filterable | Sortable |
|---------------------------|-------------|------------|----------|
| Recurrence | (see below) | | |
| Distribution | (see below) | | |
| Start | (see below) | | |
| Exclusion | (see below) | | |
| Attributes | object | | |
| RecurrenceOptions | | | |
| Repeat | string | | |
| Times | int | | |
| DaysOfWeek | string | | |
| DayOfMonth | string | | |
| SpecificDayOfMonth | int | | |
| MonthOfYear | string | | |
| EndAt | string | | |
| EndOn | string | | |
| EndAfterIntervalTimes | int | | |
| DistributionWindow | | | |
| Interval | string | | |
| Magnitude | int | | |
| StartOptions | | | |
| StartOn | string | | |
| StartAt | string | | |
| ExclusionWindow | | | |
| From | string | | |
| To | string | | |

Sample Request Model

```
{
  "ServerTimeZone": true,
  "SkipIfOffline": true,
  "PowerUpIfOffline": true,
  "PatchIds": [
    0
  ],
  "Recurrence": {
    "Repeat": "Never",
    "Times": 0,
    "DaysOfWeek": "string",
    "DayOfMonth": "FirstSunday",
    "SpecificDayOfMonth": 0,
    "MonthOfYear": "January",
    "EndAt": "T0000",
    "EndOn": "2016-03-15T15:50:11.564Z",
    "EndAfterIntervalTimes": 0
  },
  "Distribution": {
    "Interval": "Minutes",
    "Magnitude": 0
  },
  "Start": {
    "StartOn": "2016-03-15T15:50:11.564Z",
    "StartAt": "T0000"
  },
  "Exclusion": {
    "From": "T0000",
    "To": "T0000"
  },
  "Attributes": {}
}
```

Remove Patch Ignore

Removes the **ignore** setting for a missing patch for an agent machine.

DELETE /assetmgmt/patch/{agentId}/{patchId}/setignore

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```


Chapter 5

Agents and Assets

An **asset** is any computer or device managed by Kaseya. This includes computers and mobile devices with agents installed on them. It also includes managed devices that cannot install an agent, such as routers, switchers, printers, firewalls, etc. The Kaseya REST API provides both a summary asset record (single level) and a detailed asset record (multi-level).

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Get Agent Settings

Returns an array of settings for an agent.

GET /assetmgmt/agent/{agentId}/settings

- Accepts filter and sort **expressions** (*page 10*).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-----------------------|----------|------------|----------|
| Agent Settings | | | |
| AgentVersion | int | | |

Agents and Assets

| | | | |
|---------------------------|---------------|--|--|
| CurrentUser | string | | |
| LastCheckIn | datetime | | |
| FirstCheckIn | datetime | | |
| LastReboot | datetime | | |
| TempDirectory | string | | |
| CheckInControl | (see below) | | |
| UserProfile | (see below) | | |
| PatchPolicyMembership | Array[string] | | |
| ViewDefinitionCollections | Array[string] | | |

CheckInControl

| | | | |
|---------------------------|--------|--|--|
| PrimaryKServer | string | | |
| PrimaryKServerPort | int | | |
| SecondaryKServer | string | | |
| SecondaryKServerPort | int | | |
| QuickCheckInTimeInSeconds | int | | |
| BandwidthThrottle | int | | |

UserProfile

| | | | |
|-------------------|---------|--|--|
| AdminEmail | string | | |
| UserName | string | | |
| UserEmail | string | | |
| UserPhone | string | | |
| Notes | string | | |
| ShowToolTip | int | | |
| AutoAssignTickets | boolean | | |

Sample Response Model

```
{
  "Result": {
    "AgentVersion": 0,
    "CurrentUser": "string",
    "LastCheckIn": "2016-03-16T16:13:52.579Z",
    "FirstCheckIn": "2016-03-16T16:13:52.579Z",
    "LastReboot": "2016-03-16T16:13:52.579Z",
    "TempDirectory": "string",
    "CheckInControl": {
      "PrimaryKServer": "string",
      "PrimaryKServerPort": 0,
      "SecondaryKServer": "string",
      "SecondaryKServerPort": 0,
      "QuickCheckInTimeInSeconds": 0,
      "BandwidthThrottle": 0,
      "Attributes": {}
    },
    "UserProfile": {
      "AdminEmail": "string",
      "UserName": "string",
      "UserEmail": "string",
      "UserPhone": "string",
      "Notes": "string",
      "ShowToolTip": 0,
      "AutoAssignTickets": true,
      "Attributes": {}
    },
    "PatchPolicyMembership": [
      "string"
    ],
    "ViewDefinitionCollections": [
      "string"
    ],
    "Attributes": {}
  },
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get 2FA Settings

Returns 2FA settings for a specified agent ID.

GET /assetmgmt/agent/{agentId}/twofasettings

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------|----------|------------|----------|
| AgentID | decimal | | |
| AuthEnabled | boolean | | |
| UseDefaultUser | boolean | | |
| UserName | string | | |
| SASName | string | | |
| SiteID | int | | |
| Note | string | | |

Sample Response Model

```
{
  "Result": {
    "AgentId": 0,
    "AuthEnabled": true,
    "UseDefaultUser": true,
    "UserName": "string",
    "SASName": "string",
    "SiteID": 0,
    "Note": "string",
    "Attributes": {}
  },
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Agents

Returns an array of agent records.








GET /assetmgmt/agents

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-----------|----------|---|---|
| AgentId | decimal |  |  |
| Online | int |  | |
| OSType | string |  | |
| OSInfo | string |  | |
| AgentName | string |  |  |

| | | | |
|---------------------|----------|--|--|
| OrgId | decimal | | |
| MachineGroupId | decimal | | |
| MachineGroup | string | | |
| ComputerName | string | | |
| IPv6Address | string | | |
| IPAddress | string | | |
| OperatingSystem | string | | |
| OSVersion | string | | |
| LastLoggedInUser | string | | |
| LastRebootTime | string | | |
| LastCheckInTime | string | | |
| Country | string | | |
| CurrentUser | string | | |
| Contact | string | | |
| TimeZone | string | | |
| RamMBytes | int | | |
| CpuCount | int | | |
| CpuSpeed | int | | |
| CpuType | string | | |
| DomainWorkgroup | string | | |
| AgentFlags | int | | |
| AgentVersion | int | | |
| ToolTipNotes | string | | |
| ShowToolTip | int | | |
| DefaultGateway | string | | |
| DNSServer1 | string | | |
| DNSServer2 | string | | |
| DHCPServer | string | | |
| PrimaryWINS | string | | |
| SecondaryWINS | string | | |
| ConnectionGatewayIP | string | | |
| FirstCheckIn | datetime | | |
| PrimaryKServer | string | | |
| SecondaryKServer | string | | |
| Attributes | object | | |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "AgentId": 0,
      "AgentName": "string",
      "Online": 0,
      "OSType": "string",
      "OSInfo": "string",
      "OrgId": 0,
      "MachineGroupId": 0,
      "MachineGroup": "string",
      "ComputerName": "string",
      "IPv6Address": "string",
      "IPAddress": "string",
      "OperatingSystem": "string",
      "OSVersion": "string",
      "LastLoggedInUser": "string",
      "LastRebootTime": "2016-02-02T17:55:17.030Z",
      "LastCheckInTime": "2016-02-02T17:55:17.030Z",
      "Country": "string",
      "CurrentUser": "string",
      "Contact": "string",
      "TimeZone": "string",
      "RamMBytes": 0,
      "CpuCount": 0,
      "CpuSpeed": 0,
      "CpuType": "string",
      "DomainWorkgroup": "string",
      "AgentFlags": 0,
      "AgentVersion": 0,
      "ToolTipNotes": "string",
      "ShowToolTip": 0,
      "DefaultGateway": "string",
      "DNSServer1": "string",
      "DNSServer2": "string",
      "DHCPServer": "string",
      "PrimaryWINS": "string",
      "SecondaryWINS": "string",
      "ConnectionGatewayIP": "string",
      "FirstCheckIn": "2016-07-13T18:47:34.029Z",
      "PrimaryKServer": "string",
      "SecondaryKServer": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Agent

Returns a single agent record.

GET /assetmgmt/agents/{agentId}

- Does not accept filter and sort **expressions** (page 10).





Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------------|----------|------------|----------|
| AgentId | decimal | | |
| Online | int | | |
| OSType | string | | |
| OSInfo | string | | |
| AgentName | string | | |
| OrgId | decimal | | |
| MachineGroupId | decimal | | |
| MachineGroup | string | | |
| ComputerName | string | | |
| IPv6Address | string | | |
| IPAddress | string | | |
| OperatingSystem | string | | |
| OSVersion | string | | |
| LastLoggedInUser | string | | |
| LastRebootTime | string | | |
| LastCheckInTime | string | | |
| Country | string | | |
| CurrentUser | string | | |
| Contact | string | | |
| TimeZone | string | | |
| RamMBytes | int | | |
| CpuCount | int | | |
| CpuSpeed | int | | |
| CpuType | string | | |
| DomainWorkgroup | string | | |
| AgentFlags | int | | |
| AgentVersion | int | | |

Agents and Assets

| | | | |
|---------------------|----------|---|---|
| ToolTipNotes | string | | |
| ShowToolTip | int | | |
| DefaultGateway | string | | |
| DNSServer1 | string | | |
| DNSServer2 | string | | |
| DHCPServer | string | | |
| PrimaryWINS | string | | |
| SecondaryWINS | string | | |
| ConnectionGatewayIP | string | | |
| FirstCheckIn | datetime |  |  |
| PrimaryKServer | string | | |
| SecondaryKServer | string | | |
| Attributes | object |  |  |

Sample Response Model

```
{
  "Result": {
    "AgentId": 0,
    "AgentName": "string",
    "Online": 0,
    "OSType": "string",
    "OSInfo": "string",
    "OrgId": 0,
    "MachineGroupId": 0,
    "MachineGroup": "string",
    "ComputerName": "string",
    "IPv6Address": "string",
    "IPAddress": "string",
    "OperatingSystem": "string",
    "OSVersion": "string",
    "LastLoggedInUser": "string",
    "LastRebootTime": "2016-02-02T17:55:17.030Z",
    "LastCheckInTime": "2016-02-02T17:55:17.030Z",
    "Country": "string",
    "CurrentUser": "string",
    "Contact": "string",
    "TimeZone": "string",
    "RamMBytes": 0,
    "CpuCount": 0,
    "CpuSpeed": 0,
    "CpuType": "string",
    "DomainWorkgroup": "string",
    "AgentFlags": 0,
    "AgentVersion": 0,
    "ToolTipNotes": "string",
    "ShowToolTip": 0,
    "DefaultGateway": "string",
    "DNSServer1": "string",
    "DNSServer2": "string",
    "DHCPServer": "string",
    "PrimaryWINS": "string",
    "SecondaryWINS": "string",
    "ConnectionGatewayIP": "string",
    "FirstCheckIn": "2016-07-13T18:47:34.029Z",
    "PrimaryKServer": "string",
    "SecondaryKServer": "string",
    "Attributes": {}
  }
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Agents in Agent View

Returns an array of agent records in the selected view.














































GET /assetmgmt/agentsinview/{viewId}





- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------------|----------|---|---|
| AgentId | decimal |  |  |
| Online | int |  | |
| OSType | string |  | |
| OSInfo | string |  | |
| AgentName | string |  |  |
| OrgId | decimal |  |  |
| MachineGroupId | decimal |  |  |
| MachineGroup | string |  |  |
| ComputerName | string |  |  |
| IPv6Address | string |  |  |
| IPAddress | string |  |  |
| OperatingSystem | string |  |  |
| OSVersion | string |  |  |
| LastLoggedInUser | string |  |  |
| LastRebootTime | string |  |  |
| LastCheckInTime | string |  |  |
| Country | string |  |  |
| CurrentUser | string |  |  |
| Contact | string |  |  |
| TimeZone | string |  |  |
| RamMBytes | int |  |  |
| CpuCount | int |  |  |
| CpuSpeed | int |  |  |
| CpuType | string |  |  |
| DomainWorkgroup | string |  |  |
| AgentFlags | int |  | |
| AgentVersion | int |  | |
| ToolTipNotes | string | | |

| | | | |
|---------------------|----------|---|---|
| ShowToolTip | int | | |
| DefaultGateway | string | | |
| DNSServer1 | string | | |
| DNSServer2 | string | | |
| DHCPServer | string | | |
| PrimaryWINS | string | | |
| SecondaryWINS | string | | |
| ConnectionGatewayIP | string | | |
| FirstCheckIn | datetime |  |  |
| PrimaryKServer | string | | |
| SecondaryKServer | string | | |
| Attributes | object |  |  |

Sample Response Model

```

{
  "Result": [
    {
      "AgentId": 0,
      "AgentName": "string",
      "Online": 0,
      "OSType": "string",
      "OSInfo": "string",
      "OrgId": 0,
      "MachineGroupId": 0,
      "ComputerName": "string",
      "IPv6Address": "string",
      "IPAddress": "string",
      "OperatingSystem": "string",
      "OSVersion": "string",
      "LastLoggedInUser": "string",
      "LastRebootTime": "2016-02-05T21:02:56.716Z",
      "LastCheckInTime": "2016-02-05T21:02:56.716Z",
      "Country": "string",
      "CurrentUser": "string",
      "Contact": "string",
      "TimeZone": "string",
      "RamMBytes": 0,
      "CpuCount": 0,
      "CpuSpeed": 0,
      "CpuType": "string",
      "DomainWorkgroup": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}

```

Get Agents on Network

Returns an array of agents in a specified Discovery network.



GET /assetmgmt/agentsonnetwork/{networkId}






- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|---------|----------|---|---|
| AgentId | decimal |  |  |

| | | | |
|---------------|--------|---|---|
| UptimeSeconds | int |  |  |
| MachName | string |  | |
| GroupName | string |  | |
| Online | int |  | |

Sample Response Model

```
{
  "TotalRecords": 1,
  "Result": [
    {
      "AgentId": "694825728222021",
      "UptimeSeconds": 18,
      "MachName": "ag-black-w732",
      "GroupName": "root.unnamed",
      "Online": 1,
      "Attributes": null
    }
  ],
  "ResponseCode": 0,
  "Status": "OK",
  "Error": "None"
}
```

Get Assets

Returns an array of summary asset records.
















GET /assetmgmt/assets

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-----------------|----------|---|--|
| AssetId | decimal |  | |
| AssetName | string |  |  |
| AssetTypeId | decimal |  |  |
| ProbeId | decimal |  |  |
| MachineGroupId | decimal |  | |
| MachineGroup | string |  |  |
| OrgId | decimal |  | |
| IsComputerAgent | boolean |  |  |
| IsMobileAgent | boolean |  |  |

Agents and Assets

| | | | |
|--------------------|---------|---|---|
| IsMonitoring | byte |  |  |
| IsPatching | byte |  |  |
| IsAuditing | byte |  |  |
| IsBackingUp | byte |  |  |
| IsSecurity | byte |  |  |
| TicketCount | decimal |  |  |
| AlarmCount | decimal |  |  |
| IsSNMPActive | boolean |  |  |
| IsVProActive | boolean |  |  |
| NetworkInfo | decimal |  |  |
| AgentId | decimal |  | |
| DisplayName | string |  |  |
| LastSeenDate | string |  |  |
| ProbeAgentGuid | decimal |  |  |
| PrimaryProbe | string |  |  |
| PrimaryProbeId | string |  |  |
| NMapProbeId | decimal |  |  |
| HostName | string |  |  |
| OSName | string |  |  |
| OSType | string |  |  |
| OSFamily | string |  |  |
| OSGeneration | string |  |  |
| DeviceManufacturer | string |  |  |
| Attributes | object |  |  |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "AssetId": 0,
      "AssetName": "string",
      "AssetTypeId": 0,
      "ProbeId": 0,
      "MachineGroupId": 0,
      "MachineGroup": "string",
      "OrgId": 0,
      "IsComputerAgent": true,
      "IsMobileAgent": true,
      "IsMonitoring": "string",
      "IsPatching": "string",
      "IsAuditing": "string",
      "IsBackingUp": "string",
      "IsSecurity": "string",
      "TicketCount": 0,
      "AlarmCount": 0,
      "IsSNMPActive": true,
      "IsVProActive": true,
      "NetworkInfo": 0,
      "AgentId": 0,
      "DisplayName": "string",
      "LastSeenDate": "2016-02-02T17:55:17.053Z",
      "ProbeAgentGuid": 0,
      "PrimaryProbe": "string",
      "PrimaryProbeType": "string",
      "NMapProbeId": 0,
      "HostName": "string",
      "OSName": "string",
      "OSType": "string",
      "OSFamily": "string",
      "OSGeneration": "string",
      "DeviceManufacturer": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Asset

Returns a single detailed asset record.

GET /assetmgmt/assets/{assetId}





























- Does not accept filter and sort **expressions** (page 10).

Agents and Assets

Headers

- Authorization: Bearer {hash string returned from Auth}





Model Schema








| Field | Datatype | Filterable | Sortable |
|----------------|--------------------|---|---|
| AssetId | decimal |  |  |
| AssetName | string |  |  |
| AssetTypeId | decimal |  |  |
| MachineGroupId | decimal |  |  |
| MachineGroup | string |  |  |
| OrgId | decimal |  |  |
| AgentId | decimal |  |  |
| DeviceId | decimal |  |  |
| DeviceName | string |  |  |
| DeviceType | decimal |  |  |
| DeviceTime | string |  |  |
| ServerTime | string |  |  |
| DeviceFound | Array[DeviceFound] |  |  |
| Attributes | object |  |  |

DeviceFound

| | |
|-------------------|---------------------------------------|
| DeviceId | decimal |
| FoundOn | string |
| FoundBy | Probe |
| DeviceInfo | DeviceDetails.DeviceInfo |
| DeviceMotherBoard | DeviceDetails.DeviceMotherBoard |
| DeviceBiosInfo | DeviceDetails.DeviceBiosInfo |
| DeviceProcessors | Array[DeviceDetails.DeviceProcessors] |
| DeviceMemories | Array[DeviceDetails.DeviceMemories] |
| DeviceDrives | Array[DeviceDetails.DeviceDrives] |
| DeviceIPs | Array[DeviceDetails.DeviceIPs] |
| DeviceHwPCI | Array[DeviceDetails.DeviceHwPCI] |

Probe

| | | | |
|-------------|---------|---|---|
| ProbeId | decimal |  |  |
| ProbeTypeId | decimal |  |  |

| | | | |
|--------------|-----------|---|---|
| ProbeName | string |  |  |
| ProbeAgentId | decimal |  |  |
| ProbeType | ProbeType |  |  |
| Attributes | object |  | |

DeviceDetails.DeviceInfo

| | |
|--------------|---------|
| HostName | string |
| Manufacturer | string |
| Version | string |
| SerialNumber | string |
| Port | decimal |
| OSName | string |
| OSType | string |
| OSFamily | string |
| OSVendor | string |
| OSAccuracy | decimal |
| OSInfo | string |
| OSGeneration | string |

DeviceDetails.DeviceMotherBoard

| | |
|-------------------------|--------|
| MotherboardManufacturer | string |
| MotherboardProductName | string |
| MotherboardVersion | string |
| MotherboardSerialNum | string |
| MotherboardAssetTag | string |
| MotherboardReplaceable | string |

DeviceDetails.DeviceBiosInfo

| | |
|------------------------|--------|
| BiosVendor | string |
| BiosVersion | string |
| BiosReleaseDate | string |
| BiosSupportedFunctions | string |

DeviceDetails.DeviceProcessor

| | |
|-----------------------|---------|
| ProcessorId | decimal |
| ProcessorManufacturer | string |

Agents and Assets

| | |
|--------------------------|---------|
| ProcessorFamily | string |
| ProcessorVersion | string |
| ProcessorMaxSpeed | decimal |
| ProcessorCurrentSpeed | decimal |
| ProcessorStatus | string |
| ProcessorUpgradeInfo | string |
| ProcessorSocketPopulated | string |
| ProcessorType | string |

DeviceDetails.DeviceMemory

| | |
|--------------------|---------|
| MemoryManufacturer | string |
| MemorySerialNum | string |
| MemorySize | decimal |
| MemorySpeed | decimal |
| MemoryType | string |

DeviceDetails.DeviceDrive

| | |
|------------------------|---------|
| DriveManufacturer | string |
| DriveSocketDesignation | string |
| DriveVersion | string |
| DriveMaxSpeed | decimal |
| DriveCurrentSpeed | decimal |
| DriveStatus | string |
| DriveUpgradeInfo | string |
| DriveSocketPopulated | string |







DeviceDetails.DeviceIPs

| | |
|-----------------|---------|
| IPAddress | string |
| IPAddressType | decimal |
| SubnetMask | string |
| DHCPEnabled | boolean |
| IPv6Address | string |
| MACAddress | string |
| MACManufacturer | string |

DeviceDetails.DeviceHwPCI

| | |
|----------------|---------|
| VendorId | decimal |
| ProductId | decimal |
| Revision | decimal |
| DeviceLocation | string |
| BaseClass | decimal |
| SubClass | decimal |
| Bus | decimal |
| Slot | decimal |
| SubVendorId | string |
| SubSystemId | string |

ProbeType

| | | | |
|---------------|---------|---|---|
| ProbeTypeId | decimal |  |  |
| ProbeTypeName | string |  |  |
| Attributes | object |  |  |

Sample Response Model

```

{
  "AssetId": 0,
  "AssetName": "string",
  "AssetTypeId": 0,
  "MachineGroupId": 0,
  "MachineGroup": "string",
  "OrgId": 0,
  "AgentId": 0,
  "DeviceId": 0,
  "DeviceName": "string",
  "DeviceType": 0,
  "DeviceTime": "2016-02-02T22:50:04.298Z",
  "ServerTime": "2016-02-02T22:50:04.298Z",
  "DeviceFounds": [
    {
      "DeviceId": 0,
      "FoundOn": "2016-02-02T22:50:04.298Z",
      "FoundBy": {
        "ProbeId": 0,
        "ProbeTypeId": 0,
        "ProbeName": "string",
        "ProbeAgentId": 0,
        "ProbeType": {
          "ProbeTypeId": 0,
          "ProbeTypeName": "string",
          "Attributes": {}
        },
        "Attributes": {}
      },
      "DeviceInfo": {
        "HostName": "string",
        "Manufacturer": "string",
        "Version": "string",
        "SerialNumber": "string",
        "Port": 0,
        "OSName": "string",
        "OSType": "string",
        "OSFamily": "string",
        "OSVendor": "string",
        "OSAccuracy": 0,
        "OSInfo": "string",
        "OSGeneration": "string"
      },
      "DeviceMotherBoard": {
        "MotherboardManufacturer": "string",
        "MotherboardProductName": "string",
        "MotherboardVersion": "string",
        "MotherboardSerialNum": "string",
        "MotherboardAssetTag": "string",
        "MotherboardReplaceable": "string"
      },
      "DeviceBiosInfo": {
        "BiosVendor": "string",
        "BiosVersion": "string",

```



```

    "BiosReleaseDate": "2016-02-02T22:50:04.298Z",
    "BiosSupportedFunctions": "string"
  },
  "DeviceProcessors": [
    {
      "ProcessorId": 0,
      "ProcessorManufacturer": "string",
      "ProcessorFamily": "string",
      "ProcessorVersion": "string",
      "ProcessorMaxSpeed": 0,
      "ProcessorCurrentSpeed": 0,
      "ProcessorStatus": "string",
      "ProcessorUpgradeInfo": "string",
      "ProcessorSocketPopulated": "string",
      "ProcessorType": "string"
    }
  ],
  "DeviceMemories": [
    {
      "MemoryManufacturer": "string",
      "MemorySerialNum": "string",
      "MemorySize": 0,
      "MemorySpeed": 0,
      "MemoryType": "string"
    }
  ],
  "DeviceDrives": [
    {
      "DriveManufacturer": "string",
      "DriveSocketDesignation": "string",
      "DriveVersion": "string",
      "DriveMaxSpeed": 0,
      "DriveCurrentSpeed": 0,
      "DriveStatus": "string",
      "DriveUpgradeInfo": "string",
      "DriveSocketPopulated": "string"
    }
  ],
  "DeviceIPs": [
    {
      "IPAddress": "string",
      "IPAddressType": 0,
      "SubnetMask": "string",
      "DHCPEnabled": true,
      "IPv6Address": "string",
      "MACAddress": "string",
      "MACManufacturer": "string"
    }
  ],
  "DeviceHwPCI": {
    "VendorId": 0,
    "ProductId": 0,
    "Revision": 0,
    "BaseClass": 0,
    "SubClass": 0,

```

```

    "Bus": 0,
    "Slot": 0,
    "SubVendorId": "string",
    "SubSystemId": "string",
    "DeviceLocation": "string"
  }
},
"Attributes": {}
},

```

Get Asset Types

Returns an array of asset type records.

GET /assetmgmt/assettypes

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------------------|----------|-------------------------------------|-------------------------------------|
| AssetTypeId | decimal | <input type="checkbox"/> | <input type="checkbox"/> |
| AssetTypeName | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| ParentAssetTypeId | decimal | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Attributes | object | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Response Model

```

{
  "TotalRecords": 0,
  "Result": [
    {
      "AssetTypeId": 0,
      "AssetTypeName": "string",
      "ParentAssetTypeId": 0,
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}

```

Get Remote Control Notify Policy

Returns the remote control notify policy for an agent machine.



















GET /remotecontrol/notifypolicy/{agentId}

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Data Type | Filterable | Sortable |
|---------------------|-----------|---|---|
| EmailAddr | string |  |  |
| AgentGuid | string |  |  |
| AdminGroupId | int |  |  |
| RemoteControlNotify | int |  |  |
| NotifyText | string | | |
| AskText | string | | |
| TerminateNotify | int |  |  |
| TerminateText | string |  |  |
| RequireRcNote | int |  |  |
| RequiteFTPNote | int |  |  |
| RecordSession | int |  |  |

Sample Response Model

```
{
  "Result": {
    "EmailAddr": "string",
    "AgentGuid": "string",
    "AdminGroupId": 0,
    "RemoteControlNotify": 0,
    "NotifyText": "string",
    "AskText": "string",
    "TerminateNotify": 0,
    "TerminateText": "string",
    "RequireRcNote": 0,
    "RequiteFTPNote": 0,
    "RecordSession": 0,
    "Attributes": {}
  },
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Agent Views

Returns an array of agent views.

GET /system/views

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------------|----------|-------------------------------------|-------------------------------------|
| ViewDefId | decimal | | <input type="checkbox"/> |
| ViewDefName | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "ViewDefId": 0,
      "ViewDefName": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Update Checkin Control

Updates checkin control settings for an agent.

PUT /assetmgmt/agent/{agentId}/settings/checkincontrol

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|--------------------|----------|-------------------------------------|----------|
| PrimaryKServer | string | <input checked="" type="checkbox"/> | |
| PrimaryKServerPort | int | <input checked="" type="checkbox"/> | |
| SecondaryKServer | string | <input checked="" type="checkbox"/> | |

| | | | |
|---------------------------|-----|--|--|
| SecondaryKServerPort | int | | |
| QuickCheckInTimeInSeconds | int | | |
| BandwidthThrottle | int | | |

Sample Request Model

```
{
  "PrimaryKServer": "string",
  "PrimaryKServerPort": 0,
  "SecondaryKServer": "string",
  "SecondaryKServerPort": 0,
  "QuickCheckInTimeInSeconds": 0,
  "BandwidthThrottle": 0,
  "Attributes": {}
}
```

Update User Profile

Updates the user profile settings for an agent.

PUT /assetmgmt/agent/{agentId}/settings/userprofile

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------------------|----------|------------|----------|
| AdminEmail | string | | |
| UserName | string | | |
| UserEmail | string | | |
| UserPhone | string | | |
| Notes | string | | |
| ShowToolTip | int | | |
| AutoAssignTickets | boolean | | |

Sample Request Model

```
{
  "AdminEmail": "string",
  "UserName": "string",
  "UserEmail": "string",
  "UserPhone": "string",
  "Notes": "string",
  "ShowToolTip": 0,
  "AutoAssignTickets": true,
  "Attributes": {}
}
```

Update Temp Directory

Updates the temp directory for an agent.

PUT /assetmgmt/agents/{agentId}/settings/tempdir

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------|----------|------------|----------|
| key | string | | |
| value | string | | |

Sample Request Model

```
[
  {
    "key": "string",
    "value": "string"
  }
]
```

Get Agent Custom Fields

Returns an array of custom fields for a specified agent.

GET /assetmgmt/assets/{agentId}/customfields

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------|----------|------------|----------|
| FieldName | string | | |
| FieldValue | int | | |
| FieldType | string | | |

Sample Response Model

```
{
  "Result": [
    {
      "FieldName": "Cycle",
      "FieldValue": "F",
      "FieldType": "string"
    }
  ],
  "ResponseCode": 0,
  "Status": "OK",
  "Error": "None"
}
```

Update Agent Custom Field Value

Updates the value of an existing custom field.

PUT /assetmgmt/assets/{agentId}/customfields/{fieldName}

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Body

- The body of the request must include: "key": "FieldValue".

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------|----------|------------|----------|
| key | string | | |
| value | string | | |

Sample Request Model

```
[
  {
    "key": "FieldValue",
    "value": "string"
  }
]
```

Add Agent Custom Field

Adds a new agent custom field.

POST /assetmgmt/assets/customfields

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Body

- Content-Type: x-www-form-urlencoded
- The body of the request must include the following:

```
"key": "FieldName",  
  "value": "YourNewFieldName"  
  "key": "FieldType",  
  "value": "string"
```

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------|----------|------------|----------|
| key | string | | |
| value | string | | |

Sample Request Model

```
[  
  { "key": "FieldName", "value": "YourNewFieldName" }  
  ,  
  { "key": "FieldType", "value": "string" }  
]
```

Delete Agent Custom Field

Deletes an agent custom field.

DELETE /assetmgmt/assets/customfields/{fieldName}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

```
{  
  "Result": true,  
  "ResponseCode": 0,  
  "Status": "string",  
  "Error": "string"  
}
```

Update Agent Custom Field Name

Updates the field name of an existing custom field.

PUT /assetmgmt/assets/customfields/{fieldName}

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Body

- The body of the request must include:

```
"key": "NewFieldName",
"value": "string"
```

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------|----------|------------|----------|
| key | string | | |
| value | string | | |

Sample Request Model

```
[
  {
    "key": "NewFieldName",
    "value": "string"
  }
]
```

Create Agent Install Package

Creates an agent install package. This just creates a package link. Once you enter that url on an agent it downloads the agent package. You will not see this package in the UI.

POST /agent/packageLink

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Minimum Body Data Required

```
{
  "PartitionId": 1,
  "MachineGroupName": "MyOrg.root"
}
```

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------------|----------|------------|----------|
| PackageId | decimal | | |
| MachineGroupName | string | | |

Sample Request Model

```
{
  "PartitionId": 0,
  "MachineGroupName": "string"
}
```

Customize the Agent Deployment Page

Returns the logo, title and description displayed by the deployment page for an specified tenant partition. Authentication is not required.

GET /agent/{partitionId}/deploypagecustomization

Headers

- None

Model Schemas

| Field | Datatype | Filterable | Sortable |
|---------|----------|------------|----------|
| Id | guid | | |
| Logo | string | | |
| Title | string | | |
| Content | string | | |

Sample Response Model

```
{
  "Result": {
    "Id": "21402117-32d8-487e-9046-ce982236a0ce",
    "Logo": "",
    "Title": "Download Your Agent",
    "Content": "Description: An <b>agent</b> is a small application that enables Evaluation Edition to keep your computer up-to-date, fast, and secure. Download the agent below to get started.",
    "Attributes": null
  },
  "ResponseCode": 0,
  "Status": "OK",
  "Error": "None"
}
```

Chapter 6

Custom Extensions

See [Custom Extensions](http://help.kaseya.com/webhelp/EN/VSA/9040000/index.asp#37502.htm) (<http://help.kaseya.com/webhelp/EN/VSA/9040000/index.asp#37502.htm>) for an introduction to these REST APIs.

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| Get Custom Extension Folders and Files | 105 |
| Add Custom Extension Folder | 106 |
| Upload Custom Extension File | 106 |
| Delete Custom Extensions Folder | 107 |

Get Custom Extension Folders and Files

Returns an array of the files and folders in a folder of an agent's custom extension repository. For example, `apps/exe/utilities`. Use `/` to show the files and folders starting with the top level.









GET `/assetmgmt/customextensions/{agentId}/folder/{path}`

- Accepts filter and sort [expressions](#) (*page 10*).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schemas

| Field | Datatype | Filterable | Sortable |
|----------------|----------|---|---|
| Name | string |  |  |
| Size | long |  |  |
| LastUploadTime | DateTime |  |  |
| ParentPath | string | | |
| isFile | boolean |  |  |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "Name": "string",
      "Size": 0,
      "LastUploadTime": "2016-10-26T16:15:14.330Z",
      "ParentPath": "string",
      "isFile": true,
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Add Custom Extension Folder

Adds a folder to the path of a specified agent's custom extension repository. For example, `apps/exe/utilities`.

PUT `assetmgmt/customextensions/{agentId}/folder/{path}`

- This is an action API; no business data is returned or changed.

Header

- Authorization: Bearer {hash string returned from Authentication}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Upload Custom Extension File

Uploads a file from your local computer or network to the custom extension repository path of a specified agent.

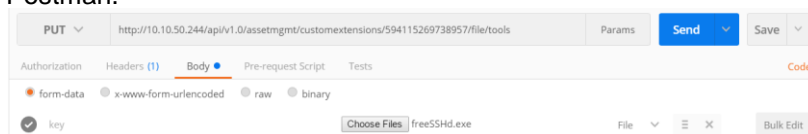
PUT `/assetmgmt/customextensions/{agentId}/file/{path}`

Header

- Authorization: Bearer {hash string returned from Authentication}

Body

- Specify a form data file. The image below demonstrates how to specify a form data file using Postman.



Model Schemas

| Field | Datatype | Filterable | Sortable |
|----------------|----------|--------------------------|--------------------------|
| Name | string | <input type="checkbox"/> | <input type="checkbox"/> |
| Size | long | <input type="checkbox"/> | <input type="checkbox"/> |
| LastUploadTime | DateTime | <input type="checkbox"/> | <input type="checkbox"/> |
| ParentPath | string | <input type="checkbox"/> | <input type="checkbox"/> |
| isFile | boolean | <input type="checkbox"/> | <input type="checkbox"/> |

Model Sample Response

```
{
  "TotalRecords": 1,
  "Result": [
    {
      "Name": "freeSHd.exe",
      "Size": 0,
      "LastUploadTime": "2016-11-11T22:31:00.0594523Z",
      "ParentPath": "tools",
      "isFile": true,
      "Attributes": null
    }
  ],
  "ResponseCode": 0,
  "Status": "OK",
  "Error": "None"
}
```

Delete Custom Extensions Folder

Deletes a folder in an agent's custom extension repository. A repository path in a URL begins with the top folder's name, prefixed with a `///`. For example, `///apps/exe/utilities`.

DELETE `/assetmgmt/customextensions/{agentId}/{path}`

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Custom Extensions

Sample Response Model

```
{  
  "Result": true,  
  "ResponseCode": 0,  
  "Status": "string",  
  "Error": "string"  
}
```

Chapter 7

Documents and GetFiles

In This Chapter

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| Get Document | 110 |
| Update Document Folder | 110 |
| Update Document | 111 |
| Delete Document | 112 |
| Rename Document | 112 |
| Get Get Files | 112 |
| Get File | 113 |
| Delete Get File | 113 |
| Move Document | 114 |

Get Documents

Returns an array of documents from the Audit > Documents page.

GET /assetmgmt/documents/{agentId}/folder/{path}

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------|----------|-------------------------------------|-------------------------------------|
| Name | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Size | long | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| LastUploadTime | datetime | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| ParentPath | string | <input type="checkbox"/> | <input type="checkbox"/> |
| IsFile | boolean | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "Name": "string",
      "Size": 0,
      "LastUploadTime": "2016-03-14T22:19:31.873Z",
      "ParentPath": "string",
      "isFile": true,
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Document

Returns a document from the Audit > Documents page.

GET /assetmgmt/documents/{agentId}/file/{path}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Update Document Folder

Adds documents folder on the Audit > Documents page.

PUT /assetmgmt/documents/{agentId}/folder/{folders}

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Update Document

Uploads a file from your local computer or network to the Audit > Documents page for a specified agent.

PUT /assetmgmt/documents/{agentId}/file/{path}

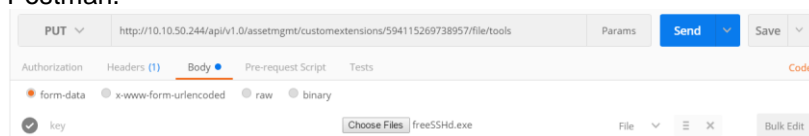
- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Body

- Specify a form data file. The image below demonstrates how to specify a form data file using Postman.



Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------|----------|--------------------------|--------------------------|
| Name | string | <input type="checkbox"/> | <input type="checkbox"/> |
| Size | long | <input type="checkbox"/> | <input type="checkbox"/> |
| LastUploadTime | datetime | <input type="checkbox"/> | <input type="checkbox"/> |
| ParentPath | string | <input type="checkbox"/> | <input type="checkbox"/> |
| IsFile | boolean | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Request Model

```
[
  {
    "Name": "string",
    "Size": 0,
    "LastUploadTime": "2016-03-14T22:19:31.866Z",
    "ParentPath": "string",
    "isFile": true,
    "Attributes": {}
  }
]
```

Delete Document

Deletes a single document on the Audit > Documents page.

DELETE /assetmgmt/documents/{agentId}/{path}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Rename Document

Rename a single document on the Audit > Documents page. Enter the existing name of the document in the {source} parameter and the new name in the {destination} parameter.

DELETE /assetmgmt/documents/{agentId}/Rename/{source}/{destination}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

Returns no content.

Get Get Files

Returns an array of files on the Agent Procedures > Get File page







GET /assetmgmt/getfiles/{agentId}/folder/{path}

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------|----------|---|---|
| Name | string |  |  |
| Size | long |  |  |
| LastUploadTime | datetime |  |  |

| | | | |
|------------|---------|---|---|
| ParentPath | string | | |
| IsFile | boolean |  |  |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "Name": "string",
      "Size": 0,
      "LastUploadTime": "2016-03-14T22:19:31.873Z",
      "ParentPath": "string",
      "isFile": true,
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get File

Returns a file from the Agent Procedures > Get File page.

GET /assetmgmt/getfiles/{agentId}/file/{path}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Delete Get File

Deletes a file on the Agent Procedures > Get File page.

DELETE /assetmgmt/getfiles/{agentId}/{path}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Move Document

Moves a document from one folder to another folder on the Audit > Documents page.

PUT /assetmgmt/documents/{agentId}/file/Move/{source}/{destination}

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schemas

| Field | Datatype | Filterable | Sortable |
|----------------|----------|------------|----------|
| Name | string | | |
| Size | long | | |
| LastUploadTime | DateTime | | |
| ParentPath | string | | |
| isFile | boolean | | |

Sample Response Model

```
{
  {
    "Name": "string",
    "Size": 0,
    "LastUploadTime": "2016-10-26T16:15:14.330Z",
    "ParentPath": "string",
    "isFile": true,
    "Attributes": {}
  }
},
"ResponseCode": 0,
"Status": "string",
"Error": "string"
}
```

Chapter 8

Logs

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| Get Security Event Log | 125 |
| Get System Event Log | 126 |
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| Add Live Connect Audit Log Entry | 128 |

Get Agent Log

Returns an array of agent log entries.

GET /assetmgmt/logs/{agentguid}/agent

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------|----------|-------------------------------------|-------------------------------------|
| Time | datetime | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Event | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Logs

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "Time": "2016-03-14T22:19:31.885Z",
      "Event": "string"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Agent Procedure Log

Returns an array of agent procedure log entries.









GET /assetmgmt/logs/{agentguid}/agentprocedure

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------------|----------|---|---|
| LastExecution | datetime |  |  |
| ProcedureHistory | string |  |  |
| Status | string |  |  |
| Admin | string |  |  |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "LastExecution": "2016-03-14T22:19:31.888Z",
      "ProcedureHistory": "string",
      "Status": "string",
      "Admin": "string"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Alarm Log

Returns an array of alarm log entries.

GET /assetmgmt/logs/{agentguid}/alarms

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------|----------|-------------------------------------|-------------------------------------|
| Time | datetime | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Event | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "Time": "2016-03-14T22:19:31.885Z",
      "Event": "string"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Configuration Changes Log

Returns an array of configuration changes log entries.

GET /assetmgmt/logs/{agentguid}/configurationchanges

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------|----------|-------------------------------------|-------------------------------------|
| Time | datetime | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Event | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Logs

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "Time": "2016-03-14T22:19:31.885Z",
      "Event": "string"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Legacy Remote Control Log

Returns an array of legacy remote control log entries.









GET /assetmgmt/logs/{agentguid}/legacyremotecontrol

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------|----------|---|---|
| Time | datetime |  |  |
| Type | int |  |  |
| Duration | int |  |  |
| Admin | string |  |  |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "StartTime": "2016-03-14T22:19:31.907Z",
      "LastActiveTime": "2016-03-14T22:19:31.907Z",
      "SessionType": 0,
      "Admin": "string"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```


Get Monitor Action Log

Returns an array of monitor action log entries.









GET /assetmgmt/logs/{agentguid}/monitoractions

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------|----------|---|---|
| Time | datetime |  |  |
| SNMPDevice | string |  |  |
| Type | int |  |  |
| Message | string |  |  |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "Time": "2016-03-14T22:19:31.900Z",
      "SNMPDevice": "string",
      "Type": 0,
      "Message": "string"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Network Statistics Log

Returns an array of network statistics log entries.




GET /assetmgmt/logs/{agentguid}/networkstats

- Accepts filter and sort [expressions](#) (page 10).


Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|---------------|----------|---|---|
| NetworkStatID | int | |  |
| Time | datetime |  |  |

Logs

| | | | |
|-------------|--------|---|---|
| Application | string |  |  |
| BytesSent | int | | |
| BytesRcvd | int | | |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "NetworkStatId": 0,
      "Time": "2016-03-14T22:19:31.904Z",
      "Application": "string",
      "BytesSent": 0,
      "BytesRcvd": 0
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Kaseya Remote Control Log

Returns an array of network statistics log entries.









GET /assetmgmt/logs/{agentguid}/remotecontrol

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------|----------|---|---|
| StartTime | datetime |  |  |
| LastActiveTime | datetime |  |  |
| SessionType | int |  |  |
| Admin | string |  |  |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "StartTime": "2016-03-14T22:19:31.907Z",
      "LastActiveTime": "2016-03-14T22:19:31.907Z",
      "SessionType": 0,
      "Admin": "string"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Application Event Log

Returns an array of application event log entries.













GET /assetmgmt/logs/{agentId}/eventlog/application

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------|----------|---|---|
| EventId | int |  |  |
| User | user |  |  |
| Category | string |  |  |
| Source | string |  |  |
| Type | string |  |  |
| Time | datetime |  |  |

Logs

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "EventId": 0,
      "User": "string",
      "Category": "string",
      "Source": "string",
      "Type": "string",
      "Time": "2016-03-14T22:19:31.911Z"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Directory Services Event Log

Returns an array of directory service event log entries.













GET /assetmgmt/logs/{agentId}/eventlog/directoryservice

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------|----------|---|---|
| EventId | int |  |  |
| User | user |  |  |
| Category | string |  |  |
| Source | string |  |  |
| Type | string |  |  |
| Time | datetime |  |  |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "EventId": 0,
      "User": "string",
      "Category": "string",
      "Source": "string",
      "Type": "string",
      "Time": "2016-03-14T22:19:31.911Z"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get DNS Server Event Log

Returns an array of DNS server event log entries.













GET /assetmgmt/logs/{agentId}/eventlog/dnsserver

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------|----------|---|---|
| EventId | int |  |  |
| User | user |  |  |
| Category | string |  |  |
| Source | string |  |  |
| Type | string |  |  |
| Time | datetime |  |  |

Logs

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "EventId": 0,
      "User": "string",
      "Category": "string",
      "Source": "string",
      "Type": "string",
      "Time": "2016-03-14T22:19:31.911Z"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Internet Explorer Event Log

Returns an array of Internet Explorer event log entries.













GET /assetmgmt/logs/{agentId}/eventlog/internetexplorer

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------|----------|---|---|
| EventId | int |  |  |
| User | user |  |  |
| Category | string |  |  |
| Source | string |  |  |
| Type | string |  |  |
| Time | datetime |  |  |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "EventId": 0,
      "User": "string",
      "Category": "string",
      "Source": "string",
      "Type": "string",
      "Time": "2016-03-14T22:19:31.911Z"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Security Event Log

Returns an array of security event log entries.













GET /assetmgmt/logs/{agentId}/eventlog/security

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------|----------|---|---|
| EventId | int |  |  |
| User | user |  |  |
| Category | string |  |  |
| Source | string |  |  |
| Type | string |  |  |
| Time | datetime |  |  |

Logs

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "EventId": 0,
      "User": "string",
      "Category": "string",
      "Source": "string",
      "Type": "string",
      "Time": "2016-03-14T22:19:31.911Z"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get System Event Log

Returns an array of system log entries.













GET /assetmgmt/logs/{agentId}/eventlog/system

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------|----------|---|---|
| EventId | int |  |  |
| User | user |  |  |
| Category | string |  |  |
| Source | string |  |  |
| Type | string |  |  |
| Time | datetime |  |  |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "EventId": 0,
      "User": "string",
      "Category": "string",
      "Source": "string",
      "Type": "string",
      "Time": "2016-03-14T22:19:31.911Z"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Log Monitoring Log

Returns an array of log monitoring log entries.













GET /assetmgmt/logs/{agentId}/logmonitoring

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------|----------|---|---|
| EventId | int |  |  |
| User | user |  |  |
| Category | string |  |  |
| Source | string |  |  |
| Type | string |  |  |
| Time | datetime |  |  |

Logs

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "EventId": 0,
      "User": "string",
      "Category": "string",
      "Source": "string",
      "Type": "string",
      "Time": "2016-03-14T22:19:31.911Z"
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Add Live Connect Audit Log Entry

Adds a Live Connect audit log entry.




PUT /assetmgmt/agent/{agentId}/KLCAuditLogEntry

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------|----------|---|----------|
| UserName | string |  | |
| AgentName | string |  | |
| LogMessage | string |  | |

Sample Request Model

```
{
  "UserName": "string",
  "AgentName": "string",
  "LogMessage": "string",
  "Attributes": {}
}
```

Chapter 9

Core

Core resources are "global" across the entire VSA.

In This Chapter

| | |
|--------------------------|-----|
| Get Authentication | 129 |
| Get SessionID | 130 |
| Get Echo | 131 |
| Get Echo Authentication | 131 |
| Test SSL | 131 |
| Get Environment | 132 |
| Get Functions | 132 |
| Get Functions for Module | 133 |
| Is Module Installed | 134 |
| Get Tenant | 134 |
| Send Email | 135 |
| Add Notification | 136 |

Get Authentication

Authenticates the API username and password, so that subsequent API requests for the same session can be processed using the returned `TenantId` and `Token`.

GET /auth

- Does not accept filter and sort **expressions** (*page 10*).

Headers

- username: VSA admin username
- password: VSA admin password

Model Schema

Sample Response Model

```
{
  "Result": {
    "TenantId": "1",
    "Token": "90151280",
    "UserName": "kadmin",
    "RoleId": 2,
    "ScopeId": "2",
    "AdminId": 55957651,
    "MachineId": null,
    "MachineGroupName": null,
    "Attributes": null
  },
  "ResponseCode": 0,
  "Status": "OK",
  "Error": "None"
}
```

Get SessionID

If you already have a sessionId from a different source, you can use your existing sessionID to create new sessionIDs. Subsequent API requests for the can be processed using the returned TenantId and Token.

GET /authx

- Does not accept filter and sort **expressions** (page 10).

Headers

- username: VSA admin username
- password: VSA admin password

Model Schema

Sample Response Model

```
{
  "Result": {
    "TenantId": "1",
    "Token": "90151280",
    "UserName": "kadmin",
    "RoleId": 2,
    "ScopeId": "2",
    "AdminId": 55957651,
    "MachineId": null,
    "MachineGroupName": null,
    "Attributes": null
  },
  "ResponseCode": 0,
  "Status": "OK",
  "Error": "None"
}
```

Get Echo

Tests for connectivity with a Kaseya REST API website. Authentication is not required.

GET /echo

- Does not accept filter and sort [expressions](#) (page 10).

Sample Response Model

```
{}
```

Get Echo Authentication

Tests authentication with the <RA> website.

GET /echoauth

- Does not accept filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

```
{}
```

Test SSL

Tests for connectivity with an SSL-enabled Kaseya REST API website. Authentication is not required.

GET /echo

- Does not accept filter and sort [expressions](#) (page 10).

Sample Response Model

```
{}
```

Get Environment

Returns system-wide properties of the VSA. No authentication is required.

GET /environment

- Does not accept filter and sort **expressions** (page 10).

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------|----------|------------|----------|
| SystemVersion | string | | |
| PatchLevel | string | | |
| CustomerID | string | | |
| TimeZoneOffset | int | | |
| Attributes | object | | |

Sample Response Model

```
{
  "Result": {
    "SystemVersion": "string",
    "PatchLevel": "string",
    "CustomerID": "string",
    "TimeZoneOffset": 0,
    "Attributes": {}
  },
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Functions

Returns a count and array of all function IDs.

GET /functions

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Data Type | Filterable | Sortable |
|--------------|-----------|------------|----------|
| TotalRecords | int | | |

| | |
|--------------|--------|
| Result | int |
| ResponseCode | int |
| Status | string |
| Error | string |

Sample Response Model

```
{
  "TotalRecords": 2231,
  "Result": [
    2,
    3,
    5,
    ...
    900135,
    900136,
    900137
  ],
  "ResponseCode": 0,
  "Status": "OK",
  "Error": "None"
}
```

Get Functions for Module

Returns a count and array of all function IDs for a specified module ID.

GET /functions/{moduleid}

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | DataType | Filterable | Sortable |
|--------------|----------|------------|----------|
| TotalRecords | int | | |
| Result | int | | |
| ResponseCode | int | | |
| Status | string | | |
| Error | string | | |

Sample Response Model

```
{
  "TotalRecords": 2231,
  "Result": [
    2,
    3,
    5,
    ...
    900135,
    900136,
    900137
  ],
  "ResponseCode": 0,
  "Status": "OK",
  "Error": "None"
}
```

Is Module Installed

Returns true or false, based on whether the specified module ID is installed.

GET /ismoduleinstalled/{moduleid}

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Tenant

Returns properties for the tenant partition your API **authentication** (page 1) provides access to in the VSA.

GET /tenant

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------|----------|------------|----------|
| Id | decimal | | |
| Ref | string | | |
| Type | string | | |
| TimeZoneOffset | int | | |
| Attributes | object | | |

Sample Response Model

```
{
  "Result": {
    "TenantId": 0,
    "Ref": "string",
    "Type": "string",
    "TimeZoneOffset": 0,
    "Attributes": {}
  },
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Send Email

Sends an email to a specified recipient.

POST /email

- Does not accept filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------|----------|------------|----------|
| FromAddress | string | | |
| ToAddress | string | | |
| Subject | string | | |
| Body | string | | |
| IsBodyHtmltrue | boolean | | |
| Priority | int | | |
| UniqueTag | string | | |
| Attributes | array | | |

Sample Request Model

```
{
  "FromAddress": "string",
  "ToAddress": "string",
  "Subject": "string",
  "Body": "string",
  "IsBodyHtml": true,
  "Priority": 0,
  "UniqueTag": "string",
  "Attributes": {}
}
```

Add Notification

Adds a single notification record.

POST /notification

- Does not accept filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Minimum Body Data Required

```
{
  "Title": "string",
  "Body": "string",
}
```

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------|----------|------------|----------|
| Title | string | | |
| Body | string | | |
| Attributes | object | | |

Sample Request Model

```
{
  "Title": "string",
  "Body": "string",
  "Attributes": {}
}
```

Chapter 10

Departments

Departments are human resource groups defined within an organization. Examples are IT, Sales or Accounting. Within the VSA each organization must have at least one department. The default department for an organization is root. All **staff** (page 185) members are defined by the department they belong to. You can define multi-level hierarchies of departments by identifying a parent department for a department. You can reassign a staff member to any other department within the same organization.

In This Chapter

| | |
|-------------------|-----|
| Get Departments | 137 |
| Get Department | 138 |
| Add Department | 139 |
| Update Department | 140 |
| Delete Department | 140 |

Get Departments

Returns an array of department records for a specified organization.















GET /system/orgs/{orgId}/departments

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|--------------------|----------|---|--|
| DepartmentId | decimal |  |  |
| DepartmentName | string |  |  |
| ParentDepartmentId | decimal |  |  |
| ManagerId | decimal |  |  |
| OrgId | decimal |  |  |
| DepartmentRef | string |  |  |
| Attributes | object |  |  |

Departments

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "DepartmentId": 0,
      "DepartmentName": "string",
      "ParentDepartmentId": 0,
      "ManagerId": 0,
      "OrgId": 0,
      "DepartmentRef": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Department

Returns a single department record for a specified department.















GET /system/departments/{deptId}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|--------------------|----------|---|--|
| DepartmentId | decimal |  |  |
| DepartmentName | string |  |  |
| ParentDepartmentId | decimal |  |  |
| ManagerId | decimal |  |  |
| OrgId | decimal |  |  |
| DepartmentRef | string |  |  |
| Attributes | object |  |  |

Sample Response Model

```
{
  "Result": {
    "DepartmentId": 0,
    "DepartmentName": "string",
    "ParentDepartmentId": 0,
    "ManagerId": 0,
    "OrgId": 0,
    "DepartmentRef": "string",
    "Attributes": {}
  },
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Add Department

Adds a single department record to a specified organization.















POST /system/orgs/{orgId}/departments

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|--------------------|----------|---|--|
| DepartmentId | decimal |  |  |
| DepartmentName | string |  |  |
| ParentDepartmentId | decimal |  |  |
| ManagerId | decimal |  |  |
| OrgId | decimal |  |  |
| DepartmentRef | string |  |  |
| Attributes | object |  |  |

Sample Request Model

```
{
  "DepartmentId": 0,
  "DepartmentName": "string",
  "ParentDepartmentId": 0,
  "ManagerId": 0,
  "OrgId": 0,
  "DepartmentRef": "string",
  "Attributes": {}
}
```

Update Department

Updates a single department record.

PUT /system/departments/{departmentId}

- Does not accept filter and sort **expressions** (page 10).

Headers















- Authorization: Bearer {hash string returned from Auth}

Sample Body Data

DepartmentId is required in the body of the message. Include additional fields and values to be updated.

```
{
  "DepartmentId":1,
  "DepartmentName":"Engineering",
}
```

Model Schema

| Field | Datatype | Filterable | Sortable |
|--------------------|----------|---|--|
| DepartmentId | decimal |  |  |
| DepartmentName | string |  |  |
| ParentDepartmentId | decimal |  |  |
| ManagerId | decimal |  |  |
| OrgId | decimal |  |  |
| DepartmentRef | string |  |  |
| Attributes | object |  |  |

Sample Request Model

```
{
  "DepartmentId": 0,
  "DepartmentName": "string",
  "ParentDepartmentId": 0,
  "ManagerId": 0,
  "OrgId": 0,
  "DepartmentRef": "string",
  "Attributes": {}
}
```

Delete Department

Deletes a single department record.

DELETE /system/departments/{departmentId}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

```
{  
  "Result": true,  
  "ResponseCode": 0,  
  "Status": "string",  
  "Error": "string"  
}
```


Chapter 11

Machine Groups

Each **asset** (page 75) must be a member of a **machine group**. Each **organization** (page 149) must have at least one machine group. The default machine group is `root`. You can define multi-level hierarchies of machine groups by identifying a parent machine group for a machine group.

In This Chapter

| | |
|------------------------------------|-----|
| Get Machine Groups | 143 |
| Get Machine Group | 144 |
| Get Machine Groups in Organization | 145 |
| Add Machine Group | 146 |
| Update Machine Group | 146 |
| Delete Machine Group | 147 |

Get Machine Groups

Returns an array of machine group records for all organizations.








GET `/system/orgs/{orgId}/machinegroups`

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------------|----------|---|---|
| MachineGroupId | decimal |  | |
| MachineGroupName | string |  |  |
| ParentMachineGroupId | decimal |  | |
| OrgId | decimal |  |  |
| Attributes | object |  | |

Machine Groups

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "MachineGroupId": 0,
      "MachineGroupName": "string",
      "ParentMachineGroupId": 0,
      "OrgId": 0,
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Machine Group

Returns one machine group record.

GET /system/machinegroups/{machineGroupId}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------------|----------|-------------------------------------|-------------------------------------|
| MachineGroupId | decimal | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| MachineGroupName | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| ParentMachineGroupId | decimal | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| OrgId | decimal | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Attributes | object | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Response Model

```

{
  "Result": [
    {
      "MachineGroupId": 0,
      "MachineGroupName": "string",
      "ParentMachineGroupId": 0,
      "OrgId": 0,
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}

```

Get Machine Groups in Organization

Returns an array of machine group records for an organization ID.

GET /system/orgs/{orgId}/machinegroups

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------------|----------|-------------------------------------|-------------------------------------|
| MachineGroupId | decimal | <input checked="" type="checkbox"/> | |
| MachineGroupName | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| ParentMachineGroupId | decimal | <input checked="" type="checkbox"/> | |
| OrgId | decimal | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Attributes | object | <input type="checkbox"/> | |

Machine Groups

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "MachineGroupId": 0,
      "MachineGroupName": "string",
      "ParentMachineGroupId": 0,
      "OrgId": 0,
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Add Machine Group

Adds a single machine group record to a specified organization.

POST /system/orgs/{orgId}/machinegroups

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------------|----------|--------------------------|--------------------------|
| MachineGroupId | decimal | <input type="checkbox"/> | <input type="checkbox"/> |
| MachineGroupName | string | <input type="checkbox"/> | <input type="checkbox"/> |
| ParentMachineGroupId | decimal | <input type="checkbox"/> | <input type="checkbox"/> |
| OrgId | decimal | <input type="checkbox"/> | <input type="checkbox"/> |
| Attributes | object | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Request Model

```
{
  "MachineGroupId": 0,
  "MachineGroupName": "string",
  "ParentMachineGroupId": 0,
  "OrgId": 0,
  "Attributes": {}
}
```

Update Machine Group

Updates a single machine group record.

PUT /system/machinegroups/{machineGroupId}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Body Data

MachineGroupId is required in the body of the message. Include additional fields and values to be updated.

```
{
  "MachineGroupId":1,
  "MachineGroupName":"Sales",
}
```

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------------|----------|--------------------------|--------------------------|
| MachineGroupId | decimal | <input type="checkbox"/> | <input type="checkbox"/> |
| MachineGroupName | string | <input type="checkbox"/> | <input type="checkbox"/> |
| ParentMachineGroupId | decimal | <input type="checkbox"/> | <input type="checkbox"/> |
| OrgId | decimal | <input type="checkbox"/> | <input type="checkbox"/> |
| Attributes | object | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Request Model

```
{
  "MachineGroupId": 0,
  "MachineGroupName": "string",
  "ParentMachineGroupId": 0,
  "OrgId": 0,
  "Attributes": {}
}
```

Delete Machine Group

Deletes a single machine group record.

DELETE /system/machinegroups/{machineGroupId}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```


Chapter 12

Organizations

Typically an **organization** is a customer, but an organization could also be a business partner. There is also an internal organization for VSA users using the VSA called MyOrg. Most user defined objects in the VSA belong to an organization. Every managed machine, managed device and VSA user belongs to an organization. They are optionally associated with scopes, tickets and service desks.

In This Chapter

| | |
|---------------------|-----|
| Get Organizations | 149 |
| Get Organization | 151 |
| Add Organization | 153 |
| Update Organization | 155 |
| Delete Organization | 157 |

Get Organizations

Returns an array of organization records.

GET /system/orgs

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------------------------|-------------|------------|----------|
| OrgId | decimal | | |
| OrgName | string | | |
| OrgRef | string | | |
| OrgType | string | | |
| DefaultDepartmentName | string | | |
| DefaultMachineGroupName | string | | |
| ParentOrgId | decimal | | |
| Website | string | | |
| NoOfEmployees | int | | |
| AnnualRevenue | decimal | | |
| ContactInfo | (see below) | | |
| CustomFields | (see below) | | |
| Attributes | object | | |

Organizations

ContactInfo

| | |
|-------------------------|--------|
| PreferredContactMethod | string |
| PrimaryPhone | string |
| PrimaryFax | string |
| PrimaryEmail | string |
| Country | string |
| Street | string |
| City | string |
| State | string |
| ZipCode | string |
| PrimaryTextMessagePhone | string |

CustomFields

| | |
|------------|--------|
| FieldName | string |
| FieldValue | string |

Sample Response Model

```

{
  "TotalRecords": 0,
  "Result": [
    {
      "OrgId": 0,
      "OrgName": "string",
      "OrgRef": "string",
      "OrgType": "string",
      "DefaultDepartmentName": "string",
      "DefaultMachineGroupName": "string",
      "ParentOrgId": 0,
      "Website": "string",
      "NoOfEmployees": 0,
      "AnnualRevenue": 0,
      "ContactInfo": {
        "PreferredContactMethod": "string",
        "PrimaryPhone": "string",
        "PrimaryFax": "string",
        "PrimaryEmail": "string",
        "Country": "string",
        "Street": "string",
        "City": "string",
        "State": "string",
        "ZipCode": "string",
        "PrimaryTextMessagePhone": "string"
      },
      "CustomFields": [
        {
          "FieldName": "string",
          "FieldValue": "string"
        }
      ],
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}

```

Get Organization

Returns a single organization record.

GET /system/orgs/{orgId}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Organizations

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------------------------|-------------|------------|----------|
| OrgId | decimal | | |
| OrgName | string | | |
| OrgRef | string | | |
| OrgType | string | | |
| DefaultDepartmentName | string | | |
| DefaultMachineGroupName | string | | |
| ParentOrgId | decimal | | |
| Website | string | | |
| NoOfEmployees | int | | |
| AnnualRevenue | decimal | | |
| ContactInfo | (see below) | | |
| CustomFields | (see below) | | |
| Attributes | object | | |

ContactInfo

| | |
|-------------------------|--------|
| PreferredContactMethod | string |
| PrimaryPhone | string |
| PrimaryFax | string |
| PrimaryEmail | string |
| Country | string |
| Street | string |
| City | string |
| State | string |
| ZipCode | string |
| PrimaryTextMessagePhone | string |

CustomFields

| | |
|------------|--------|
| FieldName | string |
| FieldValue | string |

Sample Response Model

```

{
  "OrgId": 0,
  "OrgName": "string",
  "OrgRef": "string",
  "OrgType": "string",
  "DefaultDepartmentName": "string",
  "DefaultMachineGroupName": "string",
  "ParentOrgId": 0,
  "Website": "string",
  "NoOfEmployees": 0,
  "AnnualRevenue": 0,
  "ContactInfo": {
    "PreferredContactMethod": "string",
    "PrimaryPhone": "string",
    "PrimaryFax": "string",
    "PrimaryEmail": "string",
    "Country": "string",
    "Street": "string",
    "City": "string",
    "State": "string",
    "ZipCode": "string",
    "PrimaryTextMessagePhone": "string"
  },
  "CustomFields": [
    {
      "FieldName": "string",
      "FieldValue": "string"
    }
  ],
  "Attributes": {}
}

```

Add Organization

Adds a single organization record.







POST /system/orgs

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|---------|----------|---|---|
| OrgId | decimal |  | |
| OrgName | string |  |  |
| OrgRef | string |  |  |
| OrgType | string | |  |

Organizations

| | | | |
|-------------------------|-------------|---|---|
| DefaultDepartmentName | string | | |
| DefaultMachineGroupName | string | █ | |
| ParentOrgId | decimal | ● | |
| Website | string | | |
| NoOfEmployees | int | ● | ● |
| AnnualRevenue | decimal | ● | ● |
| ContactInfo | (see below) | | █ |
| CustomFields | (see below) | | |
| Attributes | object | █ | █ |

ContactInfo

| | |
|-------------------------|--------|
| PreferredContactMethod | string |
| PrimaryPhone | string |
| PrimaryFax | string |
| PrimaryEmail | string |
| Country | string |
| Street | string |
| City | string |
| State | string |
| ZipCode | string |
| PrimaryTextMessagePhone | string |

CustomFields

| | |
|------------|--------|
| FieldName | string |
| FieldValue | string |

Sample Request Model

```

{
  "OrgId": 0,
  "OrgName": "string",
  "OrgRef": "string",
  "OrgType": "string",
  "DefaultDepartmentName": "string",
  "DefaultMachineGroupName": "string",
  "ParentOrgId": 0,
  "Website": "string",
  "NoOfEmployees": 0,
  "AnnualRevenue": 0,
  "ContactInfo": {
    "PreferredContactMethod": "string",
    "PrimaryPhone": "string",
    "PrimaryFax": "string",
    "PrimaryEmail": "string",
    "Country": "string",
    "Street": "string",
    "City": "string",
    "State": "string",
    "ZipCode": "string",
    "PrimaryTextMessagePhone": "string"
  },
  "CustomFields": [
    {
      "FieldName": "string",
      "FieldValue": "string"
    }
  ],
  "Attributes": {}
}

```

Update Organization

Updates a single organization record.

PUT /system/orgs/{orgId}

- Does not accept filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Body Data

OrgId is required in the body of the message. Include additional fields and values to be updated.

Organizations

```
{
  "OrgId":1,
  "OrgName":"NorthernLights",
}
```

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------------------------|-------------|------------|----------|
| OrgId | decimal | | |
| OrgName | string | | |
| OrgRef | string | | |
| OrgType | string | | |
| DefaultDepartmentName | string | | |
| DefaultMachineGroupName | string | | |
| ParentOrgId | decimal | | |
| Website | string | | |
| NoOfEmployees | int | | |
| AnnualRevenue | decimal | | |
| ContactInfo | (see below) | | |
| CustomFields | (see below) | | |
| Attributes | object | | |

ContactInfo

| | |
|-------------------------|--------|
| PreferredContactMethod | string |
| PrimaryPhone | string |
| PrimaryFax | string |
| PrimaryEmail | string |
| Country | string |
| Street | string |
| City | string |
| State | string |
| ZipCode | string |
| PrimaryTextMessagePhone | string |

CustomFields

| | |
|------------|--------|
| FieldName | string |
| FieldValue | string |

Sample Request Model

```

{
  "OrgId": 0,
  "OrgName": "string",
  "OrgRef": "string",
  "OrgType": "string",
  "DefaultDepartmentName": "string",
  "DefaultMachineGroupName": "string",
  "ParentOrgId": 0,
  "Website": "string",
  "NoOfEmployees": 0,
  "AnnualRevenue": 0,
  "ContactInfo": {
    "PreferredContactMethod": "string",
    "PrimaryPhone": "string",
    "PrimaryFax": "string",
    "PrimaryEmail": "string",
    "Country": "string",
    "Street": "string",
    "City": "string",
    "State": "string",
    "ZipCode": "string",
    "PrimaryTextMessagePhone": "string"
  },
  "CustomFields": [
    {
      "FieldName": "string",
      "FieldValue": "string"
    }
  ],
  "Attributes": {}
}

```

Delete Organization

Deletes a single organization record.

DELETE /system/orgs/{orgId}

- Does not accept filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

```

{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}

```


Chapter 13

Roles

User roles determine what VSA modules, pages, action buttons and specialized functions a user can access. User role options are constrained by the user **roletypes** purchased by license and assigned to a specific user role. Each **user account** (page 219) must be assigned to at least one role and one **scope** (page 163) and can have multiple roles and scopes.

In This Chapter

| | |
|--------------------|-----|
| Get User Roles | 159 |
| Get User Role | 160 |
| Get User Roletypes | 161 |
| Get Roletype | 162 |

Get User Roles

Returns an array of user role records.







GET /system/roles

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------------|----------------|---|---|
| RoleId | int |  | |
| RoleName | string |  |  |
| RoleTypeIds | Array[decimal] |  |  |
| Attributes | object |  | |

Roles

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "RoleId": 0,
      "RoleName": "string",
      "RoleTypeIds": [
        0
      ],
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get User Role

Returns a single user role record.

GET /system/roles/{roleId}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------------|----------------|-------------------------------------|-------------------------------------|
| RoleId | int | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| RoleName | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RoleTypeIds | Array[decimal] | <input type="checkbox"/> | <input type="checkbox"/> |
| Attributes | object | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Response Model

```
{
  "Result": [
    {
      "RoleId": 0,
      "RoleName": "string",
      "RoleTypeIds": [
        0
      ],
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get User Roletypes

Returns an array of user roletype records.

GET /system/roletypes

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-----------------|----------|-------------------------------------|-------------------------------------|
| RoleId | decimal | <input checked="" type="checkbox"/> | |
| RoleName | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RoleDescription | string | <input type="checkbox"/> | <input type="checkbox"/> |
| Attributes | object | <input type="checkbox"/> | |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "RoleId": 0,
      "RoleName": "string",
      "RoleDescription": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Roletype

Returns a single user roletype record.

GET /system/roletypes/{roleTypeId}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|---------------------|----------|-------------------------------------|-------------------------------------|
| RoleTypeId | decimal | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| RoleTypeName | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| RoleTypeDescription | string | <input type="checkbox"/> | <input type="checkbox"/> |
| Attributes | object | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Response Model

```
{
  "Result": [
    {
      "RoleTypeId": 0,
      "RoleTypeName": "string",
      "RoleTypeDescription": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Chapter 14

Scopes

Scopes define visibility of user-defined business data objects throughout the VSA. For example, a user could see some machine groups, but not be able to see other machine groups. Once a scope has made a data object visible to a user, the functions the user can perform on that data object are determined by user role. Scopes enables VSA users responsible for user security to create different scopes of data objects and assign them to different populations of users. Each **user account** (page 219) must be assigned to at least one **role** (page 159) and one scope and can have multiple roles and scopes.

In This Chapter

| | |
|------------|-----|
| Get Scopes | 163 |
| Get Scope | 164 |

Get Scopes

Returns an array of scope records.





GET /system/scopes

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------|----------|---|---|
| ScopeId | decimal |  | |
| ScopeName | string |  |  |
| Attributes | object |  | |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "ScopeId": 0,
      "ScopeName": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Scope

Returns a single scope record.





GET /system/scopes/{scopeId}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------|----------|---|---|
| ScopeId | decimal |  | |
| ScopeName | string |  |  |
| Attributes | object |  | |

Sample Response Model

```
{
  "Result": [
    {
      "ScopeId": 0,
      "ScopeName": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Chapter 15

Service Desks

Service desks manage and automate an organization's response to a support issue. A support issue may be a question, a problem, a request for service, or a suggestion for a future enhancement.

In This Chapter

| | |
|--------------------------------------|-----|
| Get Service Desks | 165 |
| Get Service Desk Ticket Categories | 167 |
| Get Service Desk Custom Fields | 168 |
| Get Service Desk Priorities | 169 |
| Get Service Desk Tickets | 170 |
| Get Service Desk Ticket Statuses | 172 |
| Get Service Desk Tickets | 175 |
| Get Service Desk Custom Fields | 177 |
| Get Service Desk Ticket Custom Field | 179 |
| Update Service Desk Custom Field | 179 |
| Get Service Desk Ticket Notes | 180 |
| Add Service Desk Ticket Note | 181 |
| Update Service Desk Ticket Priority | 182 |
| Update Service Desk Ticket Status | 183 |

Get Service Desks

Returns an array of service desk definitions.
















GET /automation/servicedesks

- Accepts filter and sort [expressions](#) (page 10).











































Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|---------------------|----------|---|---|
| ServiceDeskId | decimal |  |  |
| ServiceDeskTicketId | decimal |  |  |
| TicketRef | string |  |  |
| Summary | string |  | |
| TicketStatus | string |  |  |
| Stage | string |  |  |
| Priority | string |  |  |
| Severity | string |  |  |

Service Desks

| | | | |
|------------------|----------|---|---|
| Category | string |  |  |
| Resolution | string |  |  |
| Submitter | string |  |  |
| Assignee | string |  |  |
| Owner | string |  |  |
| Organization | string |  | |
| Staff | string |  | |
| Phone | string | | |
| AgentGuid | decimal |  | |
| InventoryAssetId | decimal |  |  |
| CreatedDate | datetime |  |  |
| ModifiedDate | datetime |  |  |
| LastPublicUpdate | datetime |  |  |
| Closed | datetime |  |  |
| Due | datetime |  |  |
| Promised | datetime |  |  |
| Escalation | datetime |  |  |
| StageGoal | string |  |  |
| ResolutionDate | string |  |  |
| LockedBy | string |  |  |
| LockedOn | datetime |  |  |
| SourceType | string |  |  |
| Policy | string |  |  |
| SubmitterEmail | string |  |  |

Sample Response Model

```
{
  "Result": [
    {
      "ServiceDeskId": 0,
      "defaultServDeskDefnFlag": "string",
      "Prefix": "string",
      "ServiceDeskName": "string",
      "Description": "string",
      "EditingTemplate": "string",
      "DefinationTemplate": "string",
      "DisplayMachineInfo": true,
      "RequiredMachineInfo": true,
      "AutoSaveClock": true,
      "AutoInsertNote": true,
      "AutoInsertHiddenNote": true,
      "ShowIncidentNotePan": true,
      "ShowWorkOrders": true,
      "ShowSessionTimers": true,
      "ShowTasks": true,
      "AllowDeleteNotes": true,
      "TimeZoneOffset": "string",
      "DefaultPolicy": "string",
      "DeskAdministrator": "string",
      "ChangeProcedure": "string",
      "GoalProcedure": "string",
      "AotoArchiveTime": 0,
      "EmailDisplayName": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Service Desk Ticket Categories

Returns an array of ticket categories for a specified service desk.

GET /automation/servicedesks/{serviceDeskId}/categories

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------|----------|---|---|
| CategoryId | decimal |  |  |
| IsDefault | bool |  |  |

Service Desks

| | | | |
|------------------|---------|---|---|
| CategoryName | string |  |  |
| Description | string | | |
| ParentCategoryId | decimal |  | |

Sample Response Model

```
{
  "TotalRecords": 4,
  "Result": [
    {
      "CategoryId": "26466927340076109699854277",
      "IsDefault": true,
      "CategoryName": "Feature Request",
      "Description": null,
      "ParentCategoryId": null,
      "Attributes": null
    },
    {
      "CategoryId": "63155751930006718638328486",
      "IsDefault": true,
      "CategoryName": "Question",
      "Description": null,
      "ParentCategoryId": null,
      "Attributes": null
    },
    {
      "CategoryId": "77280764300051675159894603",
      "IsDefault": true,
      "CategoryName": "Defect Report",
      "Description": null,
      "ParentCategoryId": null,
      "Attributes": null
    },
    {
      "CategoryId": "82249370620001458528679834",
      "IsDefault": true,
      "CategoryName": "Request for Information",
      "Description": null,
      "ParentCategoryId": null,
      "Attributes": null
    }
  ],
  "ResponseCode": 0,
  "Status": "OK",
  "Error": "None"
}
```

Get Service Desk Custom Fields

Returns an array of custom fields for a specified service desk.

GET /automation/servicedesks/{serviceDeskId}/customfields

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|---------------|----------|------------|----------|
| CustomFieldId | decimal | | |
| Ref | string | | |
| Caption | string | | |
| Order | int | | |
| Format | decimal | | |
| DefaultValue | string | | |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "CustomFieldId": 0,
      "Ref": "string",
      "Caption": "string",
      "Order": 0,
      "Format": "string",
      "DefaultValue": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Service Desk Priorities

Returns an array of priorities for a specified service desk.

GET /automation/servicedesks/{serviceDeskId}/priorities

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|--------------|----------|------------|----------|
| PriorityId | decimal | | |
| IsDefault | bool | | |
| PriorityName | string | | |

Service Desks

| | |
|-------------|--------|
| Description | string |
|-------------|--------|

Sample Response Model

```
{
  "Result": "98765",
  "ResponseCode": 0,
  "Status": "OK",
  "Error": "None"
}
```

Get Service Desk Tickets

Returns an array of tickets for a specified service desk.

GET /automation/servicedesks/{serviceDeskId}/tickets

























- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|---------------------|----------|------------|----------|
| ServiceDeskId | decimal | | |
| ServiceDeskTicketId | decimal | | |
| TicketRef | string | | |
| Summary | string | | |
| TicketStatus | string | | |
| Stage | string | | |
| Priority | string | | |
| Severity | string | | |
| Category | string | | |
| Resolution | string | | |
| Submitter | string | | |
| Assignee | string | | |
| Owner | string | | |
| Organization | string | | |
| Staff | string | | |
| Phone | string | | |
| AgentGuid | decimal | | |
| InventoryAssetId | decimal | | |
| CreatedDate | datetime | | |
| ModifiedDate | datetime | | |

| | | | |
|------------------|----------|---|---|
| LastPublicUpdate | datetime |  |  |
| Closed | datetime |  |  |
| Due | datetime |  |  |
| Promised | datetime |  |  |
| Escalation | datetime |  |  |
| StageGoal | string |  |  |
| ResolutionDate | string |  |  |
| LockedBy | string |  |  |
| LockedOn | datetime |  |  |
| SourceType | string |  |  |
| Policy | string |  |  |
| SubmitterEmail | string |  |  |

Sample Response Model

```

{
  "TotalRecords": 0,
  "Result": [
    {
      "ServiceDeskId": 0,
      "ServiceDeskTicketId": 0,
      "TicketRef": "string",
      "Summary": "string",
      "TicketStatus": "string",
      "Stage": "string",
      "Priority": "string",
      "Severity": "string",
      "Category": "string",
      "Resolution": "string",
      "Submitter": "string",
      "Assignee": "string",
      "Owner": "string",
      "Organization": "string",
      "Staff": "string",
      "Phone": "string",
      "AgentGuid": 0,
      "InventoryAssetId": 0,
      "CreatedDate": "2016-03-15T15:50:11.924Z",
      "ModifiedDate": "2016-03-15T15:50:11.924Z",
      "LastPublicUpdate": "2016-03-15T15:50:11.924Z",
      "Closed": "2016-03-15T15:50:11.924Z",
      "Due": "2016-03-15T15:50:11.924Z",
      "Promised": "2016-03-15T15:50:11.924Z",
      "Escalation": "2016-03-15T15:50:11.924Z",
      "StageGoal": "2016-03-15T15:50:11.924Z",
      "ResolutionDate": "2016-03-15T15:50:11.924Z",
      "LockedBy": "string",
      "LockedOn": "2016-03-15T15:50:11.924Z",
      "SourceType": "string",
      "Policy": "string",
      "SubmitterEmail": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}

```

Get Service Desk Ticket Statuses

Returns an array of ticket statuses for a specified service desk.






GET /automation/servicedesks/{serviceDeskId}/status

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------------|----------|---|---|
| StatusId | decimal |  |  |
| IsDefault | bool | |  |
| StatusName | string |  |  |
| Description | string | | |

Service Desks

Sample Response Model

```
{
  "TotalRecords": 6,
  "Result": [
    {
      "StatusId": "34336592150067327671205466",
      "IsDefault": false,
      "StatusName": "Request",
      "Description": null,
      "Attributes": null
    },
    {
      "StatusId": "87084711620091766810902353",
      "IsDefault": false,
      "StatusName": "Pending",
      "Description": null,
      "Attributes": null
    },
    {
      "StatusId": "87187760870000628708062642",
      "IsDefault": false,
      "StatusName": "Need More Info",
      "Description": null,
      "Attributes": null
    },
    {
      "StatusId": "94222004820026340252025382",
      "IsDefault": false,
      "StatusName": "Await Approval",
      "Description": null,
      "Attributes": null
    },
    {
      "StatusId": "99720911360093273797141792",
      "IsDefault": false,
      "StatusName": "Closed",
      "Description": null,
      "Attributes": null
    },
    {
      "StatusId": "77676091280038109800708269",
      "IsDefault": true,
      "StatusName": "Open",
      "Description": null,
      "Attributes": null
    }
  ],
  "ResponseCode": 0,
  "Status": "OK",
  "Error": "None"
}
```


Get Service Desk Tickets

Returns a ticket for a specified ticket.

GET /automation/servicedesktickets/{ticketId}

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------------------|-------------------------|------------|----------|
| ServiceDeskTicketDetail() | (array of items below) | | |
| ServiceDeskTicketNotes() | (notes array) | | |
| ServiceDeskRelatedTicket() | (related tickets array) | | |
| AssigneeEmail | string | | |
| AssigneeType | string | | |
| EditingTemplate | string | | |
| IsArchived | bool | | |
| IsClosed | bool | | |
| IsParticipant | bool | | |
| IsPoolAssignee | bool | | |
| Participant | string | | |
| PreviousStage | string | | |
| ResolutionNote | string | | |
| TotalHours | decimal | | |

Sample Response Model

```

{
  "Result": {
    "Notes": [
      {
        "NoteId": 0,
        "Hidden": true,
        "SystemFlag": true,
        "Text": "string",
        "Timestamp": "2016-12-14T20:34:51.907Z",
        "User": "string",
        "Attributes": {}
      }
    ],
    "RelatedTickets": [
      {
        "TicketRef": "string",
        "Summary": "string",
        "Status": "string",
        "Attributes": {}
      }
    ],
    "AssigneeEmail": "string",
    "AssigneeType": "string",
    "EditingTemplate": "string",
    "IsArchived": true,
    "IsClosed": true,
    "IsParticipant": true,
    "IsPoolAssignee": true,
    "Participant": "string",
    "PreviousStage": "string",
    "ResolutionNote": "string",
    "TotalHours": 0,
    "ServiceDeskId": 0,
    "ServiceDeskTicketId": 0,
    "TicketRef": "string",
    "Summary": "string",
    "TicketStatus": "string",
    "Stage": "string",
    "Priority": "string",
    "Severity": "string",
    "Category": "string",
    "Resolution": "string",
    "Submitter": "string",
    "Assignee": "string",
    "Owner": "string",
    "Organization": "string",
    "Staff": "string",
    "Phone": "string",
    "AgentGuid": 0,
    "InventoryAssetId": 0,
    "CreatedDate": "2016-12-14T20:34:51.907Z",
    "ModifiedDate": "2016-12-14T20:34:51.907Z",
    "LastPublicUpdate": "2016-12-14T20:34:51.907Z",
    "Closed": "2016-12-14T20:34:51.907Z",
  }
}

```

```

"Due": "2016-12-14T20:34:51.907Z",
"Promised": "2016-12-14T20:34:51.907Z",
"Escalation": "2016-12-14T20:34:51.907Z",
"StageGoal": "2016-12-14T20:34:51.907Z",
"ResolutionDate": "2016-12-14T20:34:51.907Z",
"LockedBy": "string",
"LockedOn": "2016-12-14T20:34:51.907Z",
"SourceType": "string",
"Policy": "string",
"SubmitterEmail": "string",
"Attributes": {}
},
"ResponseCode": 0,
"Status": "string",
"Error": "string"
}

```

Get Service Desk Custom Fields

Returns an array of custom fields for a specified service desk.






GET /automation/servicedesks/{serviceDeskId}/customfields

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|---------------|----------|---|---|
| CustomFieldId | decimal | | |
| Ref | string |  | |
| Caption | string |  |  |
| Order | int | |  |
| Format | decimal |  | |
| DefaultValue | string | | |

Sample Response Model

```
{
  "TotalRecords": 6,
  "Result": [
    {
      "CustomFieldId": "67449975180088004967960281",
      "Ref": "FollowUpDate",
      "Caption": "Follow-Up Date",
      "Order": 5,
      "Format": "Date",
      "DefaultValue": null,
      "Attributes": null
    },
    {
      "CustomFieldId": "49899726850089664255134865",
      "Ref": "InvoiceNum",
      "Caption": "Invoice Number",
      "Order": 3,
      "Format": "String",
      "DefaultValue": null,
      "Attributes": null
    },
    {
      "CustomFieldId": "98961439100073759381915709",
      "Ref": "Product",
      "Caption": "Product",
      "Order": 1,
      "Format": "List",
      "DefaultValue": null,
      "Attributes": null
    },
    {
      "CustomFieldId": "93023866540078435200880949",
      "Ref": "SerialNum",
      "Caption": "Serial Number",
      "Order": 4,
      "Format": "String",
      "DefaultValue": null,
      "Attributes": null
    },
    {
      "CustomFieldId": "19083190950053999073166592",
      "Ref": "TimeTrack",
      "Caption": "Time Tracking",
      "Order": 6,
      "Format": "List",
      "DefaultValue": null,
      "Attributes": null
    },
    {
      "CustomFieldId": "59527859240026313175129473",
      "Ref": "VersionNum",
      "Caption": "Version Number",
      "Order": 2,
      "Format": "String",

```

```

    "DefaultValue": null,
    "Attributes": null
  }
],
"ResponseCode": 0,
"Status": "OK",
"Error": "None"
}

```

Get Service Desk Ticket Custom Field

Returns the value of a custom field in a service desk ticket.






GET /automation/servicedesktickets/{ticketId}/customfields/{customFieldId}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|---------------|----------|---|---|
| CustomFieldId | decimal | | |
| Ref | string |  | |
| Caption | string |  |  |
| Order | int | |  |
| Format | decimal |  | |
| DefaultValue | string | | |

Sample Response Model

```

{
  "Result": "12345",
  "ResponseCode": 0,
  "Status": "OK",
  "Error": "None"
}

```

Update Service Desk Custom Field

Updates the value of a custom field in a service desk ticket.

PUT /automation/servicedesktickets/{ticketId}/customfields/{customFieldId}

- Does not accept filter and sort **expressions** (page 10).

Headers






- Authorization: Bearer {hash string returned from Auth}

Service Desks

Body

- Include the new value for the custom field in the body of the message enclosed with double quotes.

Model Schema

| Field | Datatype | Filterable | Sortable |
|---------------|----------|---|---|
| CustomFieldId | decimal | | |
| Ref | string |  | |
| Caption | string |  |  |
| Order | int | |  |
| Format | decimal |  | |
| DefaultValue | string | | |

Sample Response Model

```
{
  "Result": "98765",
  "ResponseCode": 0,
  "Status": "OK",
  "Error": "None"
}
```

Get Service Desk Ticket Notes

Returns an array of notes for a specified service desk ticket.





GET /automation/servicedesktickets/{ticketId}/notes

- Accepts filter [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------|----------|---|----------|
| NoteId | decimal |  | |
| Hidden | bool |  | |
| SystemFlag | bool |  | |
| Text | int | | |
| Timestamp | datetime | | |
| User | string |  | |

Sample Response Model

```

{
  "TotalRecords": 4,
  "Result": [
    {
      "NoteId": "281365297027568",
      "Hidden": true,
      "SystemFlag": false,
      "Text": "Auto Generated Note:<br/>\r\nTicket Changed<br/>      'invoicenum'
assigned '12345'<br/>",
      "Timestamp": "2016-12-16T04:46:06",
      "User": "kadmin",
      "Attributes": null
    },
    {
      "NoteId": "493734758530623",
      "Hidden": true,
      "SystemFlag": false,
      "Text": "Auto Generated Note:<br/>\r\nTicket Added<br/>",
      "Timestamp": "2016-12-15T08:34:05",
      "User": "kadmin",
      "Attributes": null
    },
    {
      "NoteId": "680702371280967",
      "Hidden": true,
      "SystemFlag": false,
      "Text": "Auto Generated Note:<br/>\r\nTicket Changed<br/>      'invoicenum' was
'12345' now '98765'<br/>",
      "Timestamp": "2016-12-16T04:49:16",
      "User": "kadmin",
      "Attributes": null
    },
    {
      "NoteId": "772906363510017",
      "Hidden": true,
      "SystemFlag": false,
      "Text": "Auto Generated Note:<br/>\r\nTicket Changed<br/>      'invoicenum' was
'98765' now '11111'<br/>",
      "Timestamp": "2016-12-16T04:58:35.613",
      "User": "kadmin",
      "Attributes": null
    }
  ],
  "ResponseCode": 0,
  "Status": "OK",
  "Error": "None"
}

```

Add Service Desk Ticket Note

Adds a note to a specified service desk ticket.

Service Desks

POST /automation/servicedesktickets/{ticketId}/notes

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Body

- See the request model below.

Model Schema

| Field | Datatype | Filterable | Sortable |
|------------|----------|------------|----------|
| NoteId | decimal | | |
| Hidden | bool | | |
| SystemFlag | bool | | |
| Text | int | | |
| Timestamp | datetime | | |
| User | string | | |

Sample Request Model

```
{
  "Hidden": true,
  "SystemFlag": true,
  "Text": "string",
}
```

Update Service Desk Ticket Priority

Updates the priority of a service desk ticket.

PUT /automation/servicedesktickets/{ticketId}/priority/{priorityId}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|--------------|----------|------------|----------|
| PriorityId | decimal | | |
| IsDefault | bool | | |
| PriorityName | string | | |
| Description | string | | |

Sample Response Model

No content is returned.

Update Service Desk Ticket Status

Updates the status of a service desk ticket.






PUT /automation/servicedesktickets/{ticketId}/status/{statusId}

- Does not accept filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|-------------|----------|---|---|
| StatusId | decimal |  |  |
| IsDefault | bool | |  |
| StatusName | string |  |  |
| Description | string | | |

Sample Response Model

No content is returned.

Chapter 16

Staff

Staff are members of **departments** (page 137) within **organizations** (page 149). Each VSA user must have a corresponding staff member record, typically as part of the internal MyOrg organization. Additional staff member records can be created for any department and organization without corresponding VSA user records. Contact information is maintained for each staff member. The contacts and phone numbers of customer organizations are typically associated with tickets and service desk definitions. Staff member information can be updated by Active Directory domain using Discovery > Domains > Domain Watch.

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| Get Staff in Department | 188 |
| Get Staff | 190 |
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| Delete Staff | 195 |

Get Staff

Returns an array of staff records for all organizations.
















GET /system/staff

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------------|----------|---|---|
| OrgStaffId | decimal |  |  |
| StaffFullName | string |  |  |
| DeptId | decimal |  |  |
| SupervisorId | decimal |  |  |
| Title | string |  |  |
| Function | string |  |  |
| UserId | decimal |  |  |
| OrgId | decimal |  | |
| ViewAllTickets | boolean | | |
| ApproveAllTimeSheets | boolean | | |

Staff

| | |
|------------|--------|
| Attributes | object |
|------------|--------|

ContactInfo

| | |
|-------------------------|--------|
| PreferredContactMethod | string |
| PrimaryPhone | string |
| PrimaryFax | string |
| PrimaryEmail | string |
| Country | string |
| Street | string |
| City | string |
| State | string |
| ZipCode | string |
| PrimaryTextMessagePhone | string |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "OrgStaffId": 0,
      "StaffFullName": "string",
      "DeptId": 0,
      "SupervisorId": 0,
      "Title": "string",
      "Function": "string",
      "UserId": 0,
      "ContactInfo": {
        "PreferredContactMethod": "string",
        "PrimaryPhone": "string",
        "PrimaryFax": "string",
        "PrimaryEmail": "string",
        "Country": "string",
        "Street": "string",
        "City": "string",
        "State": "string",
        "ZipCode": "string",
        "PrimaryTextMessagePhone": "string"
      },
      "OrgId": 0,
      "ViewAllTickets": true,
      "ApproveAllTimeSheets": true,
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Staff in Organization

Returns an array of staff records for a single org.
















GET /system/orgs{orgId}/staff

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------------|----------|---|---|
| OrgStaffId | decimal |  |  |
| StaffFullName | string |  |  |
| DeptId | decimal |  |  |
| SupervisorId | decimal |  |  |
| Title | string |  |  |
| Function | string |  |  |
| UserId | decimal |  |  |
| OrgId | decimal |  | |
| ViewAllTickets | boolean | | |
| ApproveAllTimeSheets | boolean | | |
| Attributes | object | | |

ContactInfo

| | |
|-------------------------|--------|
| PreferredContactMethod | string |
| PrimaryPhone | string |
| PrimaryFax | string |
| PrimaryEmail | string |
| Country | string |
| Street | string |
| City | string |
| State | string |
| ZipCode | string |
| PrimaryTextMessagePhone | string |

Staff

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "OrgStaffId": 0,
      "StaffFullName": "string",
      "DeptId": 0,
      "SupervisorId": 0,
      "Title": "string",
      "Function": "string",
      "UserId": 0,
      "ContactInfo": {
        "PreferredContactMethod": "string",
        "PrimaryPhone": "string",
        "PrimaryFax": "string",
        "PrimaryEmail": "string",
        "Country": "string",
        "Street": "string",
        "City": "string",
        "State": "string",
        "ZipCode": "string",
        "PrimaryTextMessagePhone": "string"
      },
      "OrgId": 0,
      "ViewAllTickets": true,
      "ApproveAllTimeSheets": true,
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Staff in Department

Returns an array of staff records for a single org.







GET /system/departments/{deptId}/staff










- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|---------------|----------|---|---|
| OrgStaffId | decimal |  |  |
| StaffFullName | string |  |  |
| DeptId | decimal |  |  |

| | | | |
|----------------------|---------|---|---|
| SupervisorId | decimal |  |  |
| Title | string |  |  |
| Function | string |  |  |
| UserId | decimal |  |  |
| OrgId | decimal |  | |
| ViewAllTickets | boolean | | |
| ApproveAllTimeSheets | boolean | | |
| Attributes | object | | |

ContactInfo

| | |
|-------------------------|--------|
| PreferredContactMethod | string |
| PrimaryPhone | string |
| PrimaryFax | string |
| PrimaryEmail | string |
| Country | string |
| Street | string |
| City | string |
| State | string |
| ZipCode | string |
| PrimaryTextMessagePhone | string |

Staff

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "OrgStaffId": 0,
      "StaffFullName": "string",
      "DeptId": 0,
      "SupervisorId": 0,
      "Title": "string",
      "Function": "string",
      "UserId": 0,
      "ContactInfo": {
        "PreferredContactMethod": "string",
        "PrimaryPhone": "string",
        "PrimaryFax": "string",
        "PrimaryEmail": "string",
        "Country": "string",
        "Street": "string",
        "City": "string",
        "State": "string",
        "ZipCode": "string",
        "PrimaryTextMessagePhone": "string"
      },
      "OrgId": 0,
      "ViewAllTickets": true,
      "ApproveAllTimeSheets": true,
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Staff

Returns a single staff record.







GET /system/staff/{staffId}










- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|---------------|----------|---|---|
| OrgStaffId | decimal |  |  |
| StaffFullName | string |  |  |
| DeptId | decimal |  |  |

| | | | |
|----------------------|---------|---|---|
| SupervisorId | decimal |  |  |
| Title | string |  |  |
| Function | string |  |  |
| UserId | decimal |  |  |
| OrgId | decimal |  | |
| ViewAllTickets | boolean | | |
| ApproveAllTimeSheets | boolean | | |
| Attributes | object | | |

ContactInfo

| | | | |
|-------------------------|--------|--|--|
| PreferredContactMethod | string | | |
| PrimaryPhone | string | | |
| PrimaryFax | string | | |
| PrimaryEmail | string | | |
| Country | string | | |
| Street | string | | |
| City | string | | |
| State | string | | |
| ZipCode | string | | |
| PrimaryTextMessagePhone | string | | |

Staff

Sample Response Model

```
{
  "Result": {
    "OrgStaffId": 0,
    "StaffFullName": "string",
    "DeptId": 0,
    "SupervisorId": 0,
    "Title": "string",
    "Function": "string",
    "UserId": 0,
    "ContactInfo": {
      "PreferredContactMethod": "string",
      "PrimaryPhone": "string",
      "PrimaryFax": "string",
      "PrimaryEmail": "string",
      "Country": "string",
      "Street": "string",
      "City": "string",
      "State": "string",
      "ZipCode": "string",
      "PrimaryTextMessagePhone": "string"
    },
    "OrgId": 0,
    "ViewAllTickets": true,
    "ApproveAllTimeSheets": true,
    "Attributes": {}
  },
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Add Staff

Adds a single staff record to a single department.









POST /system/departments/{deptId}/staff








- Does not accept filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|---------------|----------|---|---|
| OrgStaffId | decimal |  |  |
| StaffFullName | string |  |  |
| DeptId | decimal |  |  |
| SupervisorId | decimal |  |  |

| | | | |
|----------------------|---------|---|---|
| Title | string |  |  |
| Function | string |  |  |
| UserId | decimal |  |  |
| OrgId | decimal |  | |
| ViewAllTickets | boolean | | |
| ApproveAllTimeSheets | boolean | | |
| Attributes | object | | |

ContactInfo

| | |
|-------------------------|--------|
| PreferredContactMethod | string |
| PrimaryPhone | string |
| PrimaryFax | string |
| PrimaryEmail | string |
| Country | string |
| Street | string |
| City | string |
| State | string |
| ZipCode | string |
| PrimaryTextMessagePhone | string |

Staff

Sample Request Model

```
{
  "OrgStaffId": 0,
  "StaffFullName": "string",
  "DeptId": 0,
  "SupervisorId": 0,
  "Title": "string",
  "Function": "string",
  "UserId": 0,
  "ContactInfo": {
    "PreferredContactMethod": "string",
    "PrimaryPhone": "string",
    "PrimaryFax": "string",
    "PrimaryEmail": "string",
    "Country": "string",
    "Street": "string",
    "City": "string",
    "State": "string",
    "ZipCode": "string",
    "PrimaryTextMessagePhone": "string"
  },
  "OrgId": 0,
  "ViewAllTickets": true,
  "ApproveAllTimeSheets": true,
  "Attributes": {}
}
```

Update Staff

Updates a single staff record.
















PUT /system/staff/{staffId}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|----------------|----------|---|---|
| OrgStaffId | decimal |  |  |
| StaffFullName | string |  |  |
| DeptId | decimal |  |  |
| SupervisorId | decimal |  |  |
| Title | string |  |  |
| Function | string |  |  |
| UserId | decimal |  |  |
| OrgId | decimal |  | |
| ViewAllTickets | boolean | | |

| | |
|----------------------|---------|
| ApproveAllTimeSheets | boolean |
| Attributes | object |

ContactInfo

| | |
|-------------------------|--------|
| PreferredContactMethod | string |
| PrimaryPhone | string |
| PrimaryFax | string |
| PrimaryEmail | string |
| Country | string |
| Street | string |
| City | string |
| State | string |
| ZipCode | string |
| PrimaryTextMessagePhone | string |

Sample Response Model

```
{
  "OrgStaffId": 0,
  "StaffFullName": "string",
  "DeptId": 0,
  "SupervisorId": 0,
  "Title": "string",
  "Function": "string",
  "UserId": 0,
  "ContactInfo": {
    "PreferredContactMethod": "string",
    "PrimaryPhone": "string",
    "PrimaryFax": "string",
    "PrimaryEmail": "string",
    "Country": "string",
    "Street": "string",
    "City": "string",
    "State": "string",
    "ZipCode": "string",
    "PrimaryTextMessagePhone": "string"
  },
  "OrgId": 0,
  "ViewAllTickets": true,
  "ApproveAllTimeSheets": true,
  "Attributes": {}
}
```

Delete Staff

Deletes a single staff record.

Staff

DELETE /system/staff/{staffId}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Chapter 17

Storage

See System > Storage Configuration for an introduction to these REST APIs.

In This Chapter

Get Storage File Contents

197

Get Storage File Contents

Returns the file contents of a remote control recording in the body of the response. The `{fileId}` is specified using the GUID in the `AgentFileId` column of the `Storage.Agent` table.

GET `/storage/file/{fileId}/contents`

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

| Field | Datatype | Filterable | Sortable |
|-------------|----------------|------------|----------|
| Filename | string | | |
| | stream content | | |
| PartitionId | string | | |

Sample Response Model

```
{
  ...
  "content-disposition": "attachment; filename=kadmin-2017-03-10-03-08-1.webm",
  ...
}
```


Chapter 18

Tenants

The tenant REST APIs perform tasks that are done manually using the **Tenant Management** (<http://help.kaseya.com/webhelp/EN/TM/9040000/index.asp#home.htm>) module in partition 1.

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| Remove Module from Tenant | 214 |
| Remove Roletype from Tenant | 215 |
| Set Tenant License Limit | 215 |
| Set Module Usage Type | 216 |
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Get Module Licenses

Returns an array of module licenses for a specified `{moduleId}`.

GET /tenantmanagement/licensing/module/{moduleId}

- Accepts filter and sort **expressions** (*page 10*).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schemas

| Field | Datatype | Filterable | Sortable |
|-------------|----------|------------|----------|
| DataType | decimal | | |
| Name | int | | |
| StringValue | int | | |
| DateValue | int | | |

Tenants

| Field | Datatype | Filterable | Sortable |
|-------------|----------|------------|----------|
| zzValId | Int32 | | |
| LicenseType | Int32 | | |
| Limit | Decimal | | |
| zzVal | String | | |

Sample Response Model

```
{
  "Result": {
    "ModuleId": 0,
    "Name": "string",
    "ModuleLicenses": [
      {
        "DataType": 0,
        "Name": "string",
        "StringValue": "string",
        "DateValue": "2016-10-26T16:15:14.657Z",
        "zzValId": 0,
        "LicenseType": 0,
        "Limit": 0,
        "zzVal": "string"
      }
    ]
  },
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Module Licenses for Tenant

Returns an array of module licenses for a specified `{tenantId}`.

GET /tenantmanagement/licensing/modules/{tenantId}

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schemas

| Field | Datatype | Filterable | Sortable |
|-------------|----------|------------|----------|
| DataType | decimal | | |
| Name | int | | |
| StringValue | int | | |
| DateValue | int | | |

| Field | Datatype | Filterable | Sortable |
|-------------|----------|------------|----------|
| zzValId | Int32 | | |
| LicenseType | Int32 | | |
| Limit | Decimal | | |
| zzVal | String | | |

Sample Response Model

```
{
  "Result": {
    "ModuleId": 0,
    "Name": "string",
    "ModuleLicenses": [
      {
        "DataType": 0,
        "Name": "string",
        "StringValue": "string",
        "DateValue": "2016-10-26T16:15:14.657Z",
        "zzValId": 0,
        "LicenseType": 0,
        "Limit": 0,
        "zzVal": "string"
      }
    ]
  },
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Roletypes and Funclists

Returns an array of funclist entries for each roletype.

GET /tenantmanagement/roletypes

- Accepts filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schemas

| Field | Datatype | Filterable | Sortable |
|-------------|----------|------------|----------|
| RoleTypeId | decimal | | |
| FuncListId | int | | |
| UsageType | int | | |
| FeatureMask | int | | |

Tenants

| Field | Datatype | Filterable | Sortable |
|----------------|----------|------------|----------|
| RoleId | decimal | | |
| Name | string | | |
| Status | int | | |
| HasUserData | char | | |
| Description | string | | |
| Zzvalsid | int | | |
| Zzvals | string | | |
| AdminGroupType | int | | |

Sample Response Model

```
{
  "Result": [
    {
      "FuncListEntries": [
        {
          "RoleId": 0,
          "FuncListId": 0,
          "UsageType": 0,
          "FeatureMask": 0
        }
      ],
      "RoleId": 0,
      "Name": "string",
      "Status": 0,
      "HasUserData": "string",
      "Description": "string",
      "Zzvalsid": 0,
      "Zzvals": "string",
      "AdminGroupType": 0
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get Roletype and Funclists

Returns an array of funclist entries for a specified roletype.

GET /tenantmanagement/roletypes/{roleId}

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schemas

| Field | Datatype | Filterable | Sortable |
|-------------|----------|------------|----------|
| RoleTypeId | decimal | | |
| FuncListId | int | | |
| UsageType | int | | |
| FeatureMask | int | | |

| Field | Datatype | Filterable | Sortable |
|----------------|----------|------------|----------|
| RoleTypeId | decimal | | |
| Name | string | | |
| Status | int | | |
| HasUserData | char | | |
| Description | string | | |
| Zzvalsid | int | | |
| Zzvals | string | | |
| AdminGroupType | int | | |

Sample Response Model

```

{
  "Result": [
    {
      "FuncListEntries": [
        {
          "RoleTypeId": 0,
          "FuncListId": 0,
          "UsageType": 0,
          "FeatureMask": 0
        }
      ],
      "RoleTypeId": 0,
      "Name": "string",
      "Status": 0,
      "HasUserData": "string",
      "Description": "string",
      "Zzvalsid": 0,
      "Zzvals": "string",
      "AdminGroupType": 0
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}

```

Get Tenants

Returns an array of tenant partitions in the VSA. Does not include partition 1.

Note: This API requires the VSA to be using SSL.

GET /tenantmanagement/tenants

- Accepts filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schemas

| Field | Datatype | Filterable | Sortable |
|-------------|----------|------------|----------|
| Active | boolean | | |
| Suspended | boolean | | |
| Id | decimal | | |
| Ref | string | | |
| Type | string | | |
| TimeZoneOff | int | | |
| Attributes | string | | |

Sample Response Model

```
{
  "TotalRecords": 1,
  "Result": [
    {
      "Active": true,
      "Suspended": false,
      "Id": "25193872152351397221212252",
      "Ref": "CalicoIT",
      "Type": null,
      "TimeZoneOffset": null,
      "Attributes": null
    }
  ],
  "ResponseCode": 0,
  "Status": "OK",
  "Error": "None"
}
```

Get Tenant

Returns the activated modules, activated roletypes, and other properties of a single tenant partition.

GET /tenantmanagement/tenant/{tenantId}**Headers**

- Authorization: Bearer {hash string returned from Authentication}

Model Schemas

| Field | Datatype | Filterable | Sortable |
|-------------|----------|------------|----------|
| Active | boolean | | |
| Suspended | boolean | | |
| Id | decimal | | |
| Ref | string | | |
| Type | string | | |
| TimeZoneOff | int | | |
| Attributes | string | | |

| Field | Datatype | Filterable | Sortable |
|-------------|----------|------------|----------|
| DataType | decimal | | |
| Name | int | | |
| StringValue | int | | |
| DateValue | int | | |

| Field | Datatype | Filterable | Sortable |
|-------------|----------|------------|----------|
| zzValId | Int32 | | |
| LicenseType | Int32 | | |
| Limit | Decimal | | |
| zzVal | String | | |

Tenants

Sample Response Model

```
{
  "Result": {
    "ModuleIds": [
      {
        "ModuleId": 0,
        "Name": "string",
        "ModuleLicenses": [
          {
            "DataType": 0,
            "Name": "string",
            "StringValue": "string",
            "DateValue": "2016-10-31T18:55:05.948Z",
            "zzValId": 0,
            "LicenseType": 0,
            "Limit": 0,
            "zzVal": "string"
          }
        ]
      }
    ],
    "LicenseValues": [
      {
        "zzValId": 0,
        "LicenseType": 0,
        "Limit": 0,
        "zzVal": "string"
      }
    ],
    "NamedRoleTypeLimits": [
      {
        "RoleName": "string",
        "RoleType": 0,
        "Limit": 0
      }
    ],
    "Active": true,
    "Suspended": true,
    "Id": 0,
    "Ref": "string",
    "Type": "string",
    "TimeZoneOffset": 0,
    "Attributes": {}
  },
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```


Rename Tenant

Renames the tenant partition.

PUT /tenantmanagement/tenant?tenantId=tenantId&newTenantRef=value

Query Parameters

- tenantId - Enter the tenant ID.
- newTenantRef - Enter a new name.

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schemas

| Field | Datatype | Filterable | Sortable |
|-------------|----------|------------|----------|
| Active | boolean | | |
| Suspended | boolean | | |
| Id | decimal | | |
| Ref | string | | |
| Type | string | | |
| TimeZoneOff | int | | |
| Attributes | string | | |

Sample Response Model

```
{
  "Result": {
    "Active": true,
    "Suspended": true,
    "Id": 0,
    "Ref": "string",
    "Type": "string",
    "TimeZoneOffset": 0,
    "Attributes": {}
  },
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Activate Modules for Tenant

Activates selected modules for a specified tenant.

Tenants

PUT /tenantmanagement/tenant/modules/{tenantId}

Header

- Authorization: Bearer {hash string returned from Authentication}

Body

- Enter an array of integers. Example: [9, 3, 0, 70]

| | |
|-----|-------------------------------|
| 9 | Agent |
| 3 | Agent Procedures |
| 97 | Anti-Malware |
| 95 | Antivirus |
| 115 | AuthAnvil |
| 12 | Backup |
| 54 | Cloud Backup |
| 34 | Data Backup |
| 29 | Desktop Management: Migration |
| 30 | Desktop Management: Policy |
| 70 | Discovery |
| 0 | Kaseya System Patch |
| 50 | Mobility |
| 47 | Network Monitoring |
| 6 | Patch Management |
| 44 | Policy |
| 42 | Service Billing |
| 18 | Service Desk |
| 53 | Software Deployment |
| 60 | Software Management |
| 64 | System Backup and Recovery |
| 41 | Time Tracking |
| 85 | vPro Management |
| 57 | Web Service API |

Set Roletype Limit for Tenant

Sets the maximum number of users allowed for a given role type within the tenant partition.

PUT /tenantmanagement/tenant/roletypes/limits/{tenantId}

Header

- Authorization: Bearer {hash string returned from Authentication}

Schema Model

| Field | Datatype | Filterable | Sortable |
|----------|----------|------------|----------|
| RoleName | string | | |
| RoleType | decimal | | |
| Limit | decimal | | |

Sample Body

```
[
  {
    "RoleName": "string",
    "RoleType": 0,
    "Limit": 0
  }
]
```

Activate Roletype for Tenant

Activates selected roletypes for a specified tenant.

PUT /tenantmanagement/tenant/roletypes/{tenantId}

Header

- Authorization: Bearer {hash string returned from Authentication}

Body

- Enter an array of integers. Example: [4, 6, 8]

| | |
|-----|-------------------------|
| 4 | VSA Admin |
| 6 | End User |
| 8 | Basic Machine |
| 100 | Service Desk Admin |
| 101 | Service Desk Technician |
| 105 | SB Admin |
| 116 | KDP Admin |
| 117 | KDM Admin |

Add Roletype

Adds a roletype and an array of funclist entries.

POST /tenantmanagement/roletypes

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Tenants

Model Schemas

| Field | Datatype | Filterable | Sortable |
|-------------|----------|------------|----------|
| RoleId | decimal | | |
| FuncListId | int | | |
| UsageType | int | | |
| FeatureMask | int | | |

| Field | Datatype | Filterable | Sortable |
|----------------|----------|------------|----------|
| RoleId | decimal | | |
| Name | string | | |
| Status | int | | |
| HasUserData | char | | |
| Description | string | | |
| Zzvalsid | int | | |
| Zzvals | string | | |
| AdminGroupType | int | | |

Sample Response Model

```
{
  "FuncListEntries": [
    {
      "RoleId": 0,
      "FuncListId": 0,
      "UsageType": 0,
      "FeatureMask": 0
    }
  ],
  "RoleId": 0,
  "Name": "string",
  "Status": 0,
  "HasUserData": "string",
  "Description": "string",
  "Zzvalsid": 0,
  "Zzvals": "string",
  "AdminGroupType": 0
}
```

Add Tenant

Adds a tenant partition, including activated modules, activated roletypes, and license limits.

POST /tenantmanagement/tenant

- Does not accept filter and sort [expressions](#) (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schemas

| Field | Datatype | Filterable | Sortable |
|-------------|----------|------------|----------|
| Active | boolean | | |
| Suspended | boolean | | |
| Id | decimal | | |
| Ref | string | | |
| Type | string | | |
| TimeZoneOff | int | | |
| Attributes | string | | |

| Field | Datatype | Filterable | Sortable |
|-------------|----------|------------|----------|
| DataType | decimal | | |
| Name | int | | |
| StringValue | int | | |
| DateValue | int | | |

| Field | Datatype | Filterable | Sortable |
|-------------|----------|------------|----------|
| zzValId | Int32 | | |
| LicenseType | Int32 | | |
| Limit | Decimal | | |
| zzVal | String | | |

Sample Response Model

```

{
  "TenantUser": {
    "UserName": "string",
    "HashedPassword": "string",
    "Password": "string",
    "Email": "string",
    "ScopeRef": "string",
    "RoleRef": "string"
  },
  "ModuleIds": [
    0
  ],
  "LicenseValues": [
    {
      "DataType": 0,
      "Name": "string",
      "StringValue": "string",
      "DateValue": "2016-11-01T16:00:12.655Z",
      "zzValId": 0,
      "LicenseType": 0,
      "Limit": 0,
      "zzVal": "string"
    }
  ],
  "NamedRoleTypeLimits": [
    {
      "RoleName": "string",
      "RoleType": 0,
      "Limit": 0
    }
  ],
  "Id": 0,
  "Ref": "string",
  "Type": "string",
  "TimeZoneOffset": 0,
  "Attributes": {}
}

```

Delete Roletype

Removes a roletype from the entire VSA.

DELETE /tenantmanagement/roletypes/{roleTypeId}

- Does not accept filter and sort **expressions** (page 10).

Header

- Authorization: Bearer {hash string returned from Auth}

Path Parameter

| RoleTypeId | RoleType |
|------------|-------------------------|
| 4 | VSA Admin |
| 6 | End User |
| 8 | Basic Machine |
| 100 | Service Desk Admin |
| 101 | Service Desk Technician |
| 105 | SB Admin |
| 116 | KDP Admin |
| 117 | KDM Admin |

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Delete Tenant

Removes a tenant partition.

DELETE /tenantmanagement/tenant

- Does not accept filter and sort [expressions](#) (page 10).

Header

- Authorization: Bearer {hash string returned from Auth}

Query Parameter

- tenantID

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Deactivate Tenant

Deactivates a tenant partition instead of deleting it.

DELETE /tenantmanagement/tenant/deactivate.

- Does not accept filter and sort [expressions](#) (page 10).

Tenants

Header

- Authorization: Bearer {hash string returned from Auth}

Query Parameter

- tenantID

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": true,
  "ResponseCode": 0,
  "Status": "OK",
  "Error": "None"
}
```

Remove Module from Tenant

Removes a module from a tenant partition.

DELETE /tenantmanagement/tenant/modules/{tenantId}?moduleId=<moduleId>

- Does not accept filter and sort [expressions](#) (page 10).

Header

- Authorization: Bearer {hash string returned from Auth}

Query Parameter

| moduleId | Module |
|----------|-------------------------------|
| 9 | Agent |
| 3 | Agent Procedures |
| 97 | Anti-Malware |
| 95 | Antivirus |
| 115 | AuthAnvil |
| 12 | Backup |
| 54 | Cloud Backup |
| 34 | Data Backup |
| 29 | Desktop Management: Migration |
| 30 | Desktop Management: Policy |
| 70 | Discovery |
| 0 | Kaseya System Patch |
| 50 | Mobility |
| 47 | Network Monitoring |
| 6 | Patch Management |
| 44 | Policy |
| 42 | Service Billing |
| 18 | Service Desk |
| 53 | Software Deployment |

| | |
|----|----------------------------|
| 60 | Software Management |
| 64 | System Backup and Recovery |
| 41 | Time Tracking |
| 85 | vPro Management |
| 57 | Web Service API |

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Remove Roletype from Tenant

Removes a roletype from a tenant partition.

DELETE /tenantmanagement/tenant/roletypes/{tenantId}?roleTypeId=<roleTypeId>

- Does not accept filter and sort [expressions](#) (page 10).

Header

- Authorization: Bearer {hash string returned from Auth}

Query Parameter

| RoleTypeId | RoleType |
|------------|-------------------------|
| 4 | VSA Admin |
| 6 | End User |
| 8 | Basic Machine |
| 100 | Service Desk Admin |
| 101 | Service Desk Technician |
| 105 | SB Admin |
| 116 | KDP Admin |
| 117 | KDM Admin |

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Set Tenant License Limit

Updates a selected license within a specified tenant. Typically only the `Limit` field is updated.

Tenants

PUT /tenantmanagement/tenant/modules/licenses/{tenantId}

Headers

- Authorization: Bearer {hash string returned from Authentication}

Model Schemas

| Field | Datatype | Filterable | Sortable |
|-------------|----------|------------|----------|
| DataType | decimal | | |
| Name | int | | |
| StringValue | int | | |
| DateValue | int | | |

| Field | Datatype | Filterable | Sortable |
|-------------|----------|------------|----------|
| zzValId | Int32 | | |
| LicenseType | Int32 | | |
| Limit | Decimal | | |
| zzVal | String | | |

Sample Request

```
[
  {
    "DataType": 0,
    "Name": "string",
    "StringValue": "string",
    "DateValue": "2016-10-31T18:55:05.405Z",
    "zzValId": 0,
    "LicenseType": 0,
    "Limit": 0,
    "zzVal": "string"
  }
]
```

Set Module Usage Type

Sets the usage type for a module in a tenant ID. A usage type, if available for a module, enables a specialized feature in a module.

PUT /tenantmanagement/tenant/modules/usagetype/{tenantId}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Query Parameters

- moduleId - See [GET /tenantmanagement/licensing/modules/{tenantId}](#) (page 200)
- usageType - An integer

Is Module Activated

Returns true or false, based on whether the specified module ID is activated.

GET /ismoduleactivated/{moduleid}

- Accepts filter and sort **expressions** (*page 10*).

Headers

- Authorization: Bearer {hash string returned from Authentication}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```


Chapter 19

Users

VSA **user accounts** authenticate and authorize access to the VSA. This can include **master administrators and standard users** (<http://help.kaseya.com/webhelp/EN/VSA/9040000/index.asp#7171.htm>). This also includes limited access to specialized VSA functions for endpoint *machine users*. Each user account must be assigned to at least one **role** (*page 159*) and one **scope** (*page 163*) and can have multiple roles and scopes.

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| Disable User | 224 |
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Get Users

Returns an array of user account records.

GET /system/users

- Accepts filter and sort **expressions** (*page 10*).




Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|--------------------------|----------------|------------|----------|
| UserId | int | | |
| AdminName | string | | |
| AdminPassword | string | | |
| Admintype | int | | |
| DisableUntil | string | | |
| CreationDate | string | | |
| AdminScopeIds | Array[decimal] | | |
| AdminRoleIds | Array[int] | | |
| FirstName | string | | |
| LastName | string | | |
| DefaultStaffOrgId | decimal | | |
| DefaultStaffDepartmentId | decimal | | |

Users

| | | | |
|------------|--------|---|---|
| Email | string |  |  |
| Attributes | object | |  |

Sample Response Model

```
{
  "TotalRecords": 0,
  "Result": [
    {
      "UserId": 0,
      "AdminName": "string",
      "AdminPassword": "string",
      "Admintype": 0,
      "DisableUntil": "2015-08-07T16:27:40.223Z",
      "CreationDate": "2015-08-07T16:27:40.223Z",
      "AdminScopeIds": [
        0
      ],
      "AdminRoleIds": [
        0
      ],
      "FirstName": "string",
      "LastName": "string",
      "DefaultStaffOrgId": 0,
      "DefaultStaffDepartmentId": 0,
      "Email": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Get User

Get a single user account record.









GET /system/users/{userId}

- Does not accept filter and sort **expressions** (*page 10*).

Headers

- Authorization: Bearer {hash string returned from Auth}

Model Schema

| Field | Datatype | Filterable | Sortable |
|---------------|----------|---|---|
| UserId | int |  |  |
| AdminName | string |  |  |
| AdminPassword | string |  |  |
| Admintype | int |  |  |

| | | | |
|--------------------------|----------------|---|---|
| DisableUntil | string | | |
| CreationDate | string | | |
| AdminScopeIds | Array[decimal] | | |
| AdminRoleIds | Array[int] | | |
| FirstName | string | ● | ● |
| LastName | string | ● | ● |
| DefaultStaffOrgId | decimal | | |
| DefaultStaffDepartmentId | decimal | | |
| Email | string | ● | ● |
| Attributes | object | | |

Sample Response Model

```
{
  "Result": [
    {
      "UserId": 0,
      "AdminName": "string",
      "AdminPassword": "string",
      "Admintype": 0,
      "DisableUntil": "2015-08-07T16:27:40.223Z",
      "CreationDate": "2015-08-07T16:27:40.223Z",
      "AdminScopeIds": [
        0
      ],
      "AdminRoleIds": [
        0
      ],
      "FirstName": "string",
      "LastName": "string",
      "DefaultStaffOrgId": 0,
      "DefaultStaffDepartmentId": 0,
      "Email": "string",
      "Attributes": {}
    }
  ],
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Add User

Adds a single user account record.

POST /system/users

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Users

Model Schema

| Field | Datatype | Filterable | Sortable |
|--------------------------|----------------|------------|----------|
| UserId | int | | |
| AdminName | string | | |
| AdminPassword | string | | |
| Admintype | int | | |
| DisableUntil | string | | |
| CreationDate | string | | |
| AdminScopeIds | Array[decimal] | | |
| AdminRoleIds | Array[int] | | |
| FirstName | string | | |
| LastName | string | | |
| DefaultStaffOrgId | decimal | | |
| DefaultStaffDepartmentId | decimal | | |
| Email | string | | |
| Attributes | object | | |

Sample Request Model

```
{
  "UserId": 0,
  "AdminName": "string",
  "AdminPassword": "string",
  "Admintype": 0,
  "DisableUntil": "2015-08-07T16:27:40.223Z",
  "CreationDate": "2015-08-07T16:27:40.223Z",
  "AdminScopeIds": [
    0
  ],
  "AdminRoleIds": [
    0
  ],
  "FirstName": "string",
  "LastName": "string",
  "DefaultStaffOrgId": 0,
  "DefaultStaffDepartmentId": 0,
  "Email": "string",
  "Attributes": {}
}
```

Update User

Updates a single user account record.

PUT /system/users/{userId}

- Does not accept filter and sort **expressions** (page 10).

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Body Data

UserId is required in the body of the message. Include additional fields and values to be updated.

```
{
  "UserId":1,
  "AdminName":"Jesse Sisko",
}
```

Model Schema

| Field | Datatype | Filterable | Sortable |
|--------------------------|----------------|-------------------------------------|-------------------------------------|
| UserId | int | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| AdminName | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| AdminPassword | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Admintype | int | <input type="checkbox"/> | <input type="checkbox"/> |
| DisableUntil | string | <input type="checkbox"/> | <input type="checkbox"/> |
| CreationDate | string | <input type="checkbox"/> | <input type="checkbox"/> |
| AdminScopeIds | Array[decimal] | <input type="checkbox"/> | <input type="checkbox"/> |
| AdminRoleIds | Array[int] | <input type="checkbox"/> | <input type="checkbox"/> |
| FirstName | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| LastName | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| DefaultStaffOrgId | decimal | <input type="checkbox"/> | <input type="checkbox"/> |
| DefaultStaffDepartmentId | decimal | <input type="checkbox"/> | <input type="checkbox"/> |
| Email | string | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Attributes | object | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Request Model

```
{
  "UserId": 0,
  "AdminName": "string",
  "AdminPassword": "string",
  "Admintype": 0,
  "DisableUntil": "2015-08-07T16:27:40.223Z",
  "CreationDate": "2015-08-07T16:27:40.223Z",
  "AdminScopeIds": [
    0
  ],
  "AdminRoleIds": [
    0
  ],
  "FirstName": "string",
  "LastName": "string",
  "DefaultStaffOrgId": 0,
  "DefaultStaffDepartmentId": 0,
  "Email": "string",
  "Attributes": {}
}
```

Disable User

Disables a single user account record.

PUT /system/users/{userId}/disable

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

```
{
  "Result": true,
  "ResponseCode": 0,
  "Status": "string",
  "Error": "string"
}
```

Enable User

Enables a single user account record.

PUT /system/users/{userId}/enable

- Does not accept filter and sort **expressions** (page 10).
- This is an action API; no business data is returned or changed.

Headers

- Authorization: Bearer {hash string returned from Auth}

Sample Response Model

```
{  
  "Result": true,  
  "ResponseCode": 0,  
  "Status": "string",  
  "Error": "string"  
}
```


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