



# **Red Hat Subscription Management All Subscription Docs**

## **Subscription Asset Manager REST API**

available REST methods

Edition 3

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# Red Hat Subscription Management All Subscription Docs Subscription Asset Manager REST API

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available REST methods  
Edition 3

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## Abstract

This guide contains a REST API reference.

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## 1. SUBSCRIPTION ASSET MANAGER REST API

### 1.1. About

#### 1.1.1. index

##### GET /api/about

Shows status of system and its subcomponents

This service is only available for authenticated users

### 1.2. Activation Keys

#### 1.2.1. index

##### GET /api/activation\_keys

List activation keys.

##### GET /api/organizations/:organization\_id/activation\_keys

List activation keys.

**Table 1. Parameters**

Parameter	Optional or Required	Value
name	Optional	lists by activation key name string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

#### 1.2.2. show

##### GET /api/activation\_keys/:id

Show an activation key

**Table 2. Parameters**

Parameter	Optional or Required	Value
name	Optional	lists by activation key name string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..



### 1.2.3. create

#### POST /api/activation\_keys

Create an activation key

**Table 3. Parameters**

Parameter	Optional or Required	Value
activation_key	required	Hash
activation_key[name]	required	activation key identifier (alphanum characters, space, _ and -) string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
activation_key[description]	Optional , nil allowed	String
activation_key[content_view_id]	required	content view id string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

### 1.2.4. update

#### PUT /api/activation\_keys/:id

Update an activation key

##### Example 1. Example Code

```

PUT /api/activation_keys/2/
{
  "activation_key": {
    "environment_id": 9
  }
}
200
{
  "description": null,
  "environment_id": 9,
  "organization_id": 4,
  "system_template_id": null,
  "id": 2,
  "updated_at": "2012-08-10T13:54:45Z",
  "user_id": 1,
  "usage_count": 0,
  "name": "ak1_227e003",
  "created_at": "2012-08-10T13:54:45Z",

```

```

    "usage_limit": -1,
    "pools": []
  }

```

**Table 4. Parameters**

Parameter	Optional or Required	Value
activation_key	required	Hash
activation_key[name]	Optional	activation key identifier (alphanumeric characters, space, _ and -) string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
activation_key[description]	Optional , nil allowed	String
activation_key[content_view_id]	Optional	content view id string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
activation_key[environment_id]	Optional , nil allowed	string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

### 1.2.5. destroy

#### **DELETE** /api/activation\_keys/:id

Destroy an activation key

### 1.2.6. add pool

#### **POST** /api/activation\_keys/:id/pools

Create an entitlement pool within an activation key

#### **Example 2. Example Code**

```

POST /api/activation_keys/2/pools
{
  "poolid": "ff8080813910c3d3013910d0e0390063"
}
200
{
  "description": null,
  "environment_id": 9,

```

```

    "organization_id": 4,
    "system_template_id": null,
    "id": 2,
    "updated_at": "2012-08-10T13:54:45Z",
    "user_id": 1,
    "usage_count": 0,
    "name": "ak1_227e003",
    "created_at": "2012-08-10T13:54:45Z",
    "usage_limit": -1,
    "pools": []
  }

```

### 1.2.7. remove pool

**DELETE** /api/activation\_keys/:id/pools/:poolid

Delete an entitlement pool within an activation key

### 1.2.8. add system groups

**POST** /api/organizations/:organization\_id/activation\_keys/:id/system\_groups

Add a system group to the key.

### 1.2.9. remove system groups

**DELETE** /api/organizations/:organization\_id/activation\_keys/:id/system\_groups

Remove a system group from the key.

## 1.3. CRLs

### 1.3.1. index

**GET** /api/crls

Regenerate X.509 CRL immediately and return them

## 1.4. Custom Information

### 1.4.1. create

**POST** /api/custom\_info/:informable\_type/:informable\_id

Create custom info

**Table 5. Parameters**

Parameter	Optional or Required	Value
informable_type	required	name of the resource String

Parameter	Optional or Required	Value
informable_id	required	resource identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
keyname	required	String
value	required	String

### 1.4.2. index

#### GET /api/custom\_info/:informable\_type/:informable\_id

List custom info

**Table 6. Parameters**

Parameter	Optional or Required	Value
informable_type	required	name of the resource String
informable_id	required	resource identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

### 1.4.3. show

#### GET /api/custom\_info/:informable\_type/:informable\_id/:keyname

Show custom info

**Table 7. Parameters**

Parameter	Optional or Required	Value
informable_type	required	name of the resource String
informable_id	required	resource identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

Parameter	Optional or Required	Value
keyname	required	Custom info key String

#### 1.4.4. update

**PUT /api/custom\_info/:informable\_type/:informable\_id/:keyname**

Update custom info

**Table 8. Parameters**

Parameter	Optional or Required	Value
informable_type	required	name of the resource String
informable_id	required	resource identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
keyname	required	Custom info key String
value	required	String

#### 1.4.5. destroy

**DELETE /api/custom\_info/:informable\_type/:informable\_id/:keyname**

Delete custom info

**Table 9. Parameters**

Parameter	Optional or Required	Value
informable_type	required	name of the resource String
informable_id	required	resource identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
keyname	required	Custom info key String

## 1.5. Organization Default Information

### 1.5.1. create

**POST** /api/organizations/:organization\_id/default\_info/:informable\_type

Create default info

**Table 10. Parameters**

Parameter	Optional or Required	Value
informable_type	required	name of the resource String
informable_id	required	resource identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
keyname	required	String

### 1.5.2. destroy

**DELETE**

/api/organizations/:organization\_id/default\_info/:informable\_type/:informable\_id/:keyname

Delete default info

**Table 11. Parameters**

Parameter	Optional or Required	Value
informable_type	required	name of the resource String
informable_id	required	resource identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
keyname	required	Custom info key String

### 1.5.3. apply to all

**POST** /api/organizations/:organization\_id/default\_info/:informable\_type/apply

Apply existing default info on all informable resources

**Table 12. Parameters**

Parameter	Optional or Required	Value
informable_type	required	name of the resource String
informable_id	required	resource identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
async	Optional	directive to run this asynchronously or not Boolean

## 1.6. Organizations

### 1.6.1. index

#### GET /api/organizations

List organizations

**Table 13. Parameters**

Parameter	Optional or Required	Value
name	Optional	name for the organization String
description	Optional	String
label	Optional	label for filtering String

### 1.6.2. show

#### GET /api/organizations/:label

Show an organization

### 1.6.3. create

#### POST /api/organizations

Create an organization

**Table 14. Parameters**

Parameter	Optional or Required	Value
name	required	name for the organization String
description	Optional	String

#### 1.6.4. update

##### PUT /api/organizations/:id

Update an organization

**Table 15. Parameters**

Parameter	Optional or Required	Value
organization	Optional	Hash
organization[name]	Optional	name for the organization String
organization[description]	Optional	String
organization[service_level]	Optional	default service level (SLA) String

#### 1.6.5. repo discover

##### POST /api/organizations/:id/repo\_discover

Discover Repositories

**Table 16. Parameters**

Parameter	Optional or Required	Value
url	Optional	base url to perform repo discovery on String

#### 1.6.6. destroy

##### DELETE /api/organizations/:id

Destroy an organization. Asynchronous operation.

#### 1.6.7. auto attach all systems

##### POST /api/organizations/:id/heal

Auto-attach available subscriptions to all systems within an organization. Asynchronous operation.



## 1.7. Permissions

### 1.7.1. index

#### GET /api/roles/:role\_id/permissions

List permissions for a role

**Table 17. Parameters**

Parameter	Optional or Required	Value
name	Optional	filter by name String
description	Optional	filter by description String
all_verbs	Optional	filter by all_verbs flag Boolean
all_tags	Optional	filter by all_flags flag Boolean

### 1.7.2. show

#### GET /api/roles/:role\_id/permissions/:id

Show a permission

### 1.7.3. create

#### POST /api/roles/:role\_id/permissions

Create a roles permission

**Table 18. Parameters**

Parameter	Optional or Required	Value
description	Optional , nil allowed	String
name	required	String
organization_id	Optional	string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
tags	Optional	array of tag ids Array

Parameter	Optional or Required	Value
type	required	name of a resource or 'all' String
verbs	Optional	array of permission verbs Array
all_tags	Optional	True if the permission should use all tags Boolean
all_verbs	Optional	True if the permission should use all verbs Boolean

#### 1.7.4. destroy

**DELETE /api/roles/:role\_id/permissions/:id**

Destroy a roles permission

### 1.8. Ping

#### 1.8.1. index

**GET /api/ping**

Shows status of system and it's subcomponents

This service is only available for authenticated users

#### 1.8.2. server status

**GET /api/system\_status**

Shows version information

This service is also available for unauthenticated users

#### 1.8.3. version

**GET /api/version**

Shows name and version information

This service is only available for authenticated users

### 1.9. Role LDAP groups

#### 1.9.1. create

**POST /api/roles/:role\_id/ldap\_groups**

Add group to list of LDAP groups associated with the role

**Table 19. Parameters**

Parameter	Optional or Required	Value
name	Optional	name of the LDAP group String

### 1.9.2. destroy

**DELETE** /api/roles/:role\_id/ldap\_groups/:id

Remove group from the list of LDAP groups associated with the role

**Table 20. Parameters**

Parameter	Optional or Required	Value
role_id	Optional	role identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
id	Optional	ldap group (name) String

### 1.9.3. index

**GET** /api/roles/:role\_id/ldap\_groups

List LDAP groups associated with the role

**Table 21. Parameters**

Parameter	Optional or Required	Value
role_id	Optional	role identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

## 1.10. Roles

### 1.10.1. index

**GET** /api/roles

List roles

**Table 22. Parameters**

Parameter	Optional or Required	Value
name	Optional	String

### 1.10.2. show

#### GET /api/roles/:id

Show a role

### 1.10.3. create

#### POST /api/roles

Create a role

**Table 23. Parameters**

Parameter	Optional or Required	Value
role	required	Hash
role[name]	required	String
role[description]	Optional , nil allowed	String

### 1.10.4. destroy

#### DELETE /api/roles/:id

Destroy a role

### 1.10.5. available verbs

#### GET /api/roles/available\_verbs

List all available verbs that can be set to roles

**Table 24. Parameters**

Parameter	Optional or Required	Value
organization_id	Optional	With this option specified the listed tags are scoped to the organization. string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

## 1.11. Status

### 1.11.1. memory

#### GET /api/status/memory

Counts objects in memory for debug purposes. Can take a while!

## 1.12. Subscriptions

### 1.12.1. index

#### GET /api/systems/:system\_id/subscriptions

List subscriptions

Systems subscriptions management.

**Table 25. Parameters**

Parameter	Optional or Required	Value
system_id	required	System uuid string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

### 1.12.2. organization index

#### GET /api/subscriptions

List subscriptions for the organization.

### 1.12.3. create

#### POST /api/systems/:system\_id/subscriptions

Create a subscription

Systems subscriptions management.

**Table 26. Parameters**

Parameter	Optional or Required	Value
system_id	required	System uuid string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
pool	required	Subscription Pool uuid String

Parameter	Optional or Required	Value
quantity	required	Number of subscription to use number.

#### 1.12.4. destroy

**DELETE** /api/systems/:system\_id/subscriptions/:id

Delete a subscription

Systems subscriptions management.

**Table 27. Parameters**

Parameter	Optional or Required	Value
id	Optional	Entitlement id number.
system_id	required	System uuid string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

#### 1.12.5. destroy all

**DELETE** /api/systems/:system\_id/subscriptions

Delete all system subscriptions

Systems subscriptions management.

**Table 28. Parameters**

Parameter	Optional or Required	Value
system_id	required	System uuid string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

#### 1.12.6. destroy by serial number

**DELETE** /api/systems/:system\_id/subscriptions/serials/:serial\_id

Delete a subscription by serial id

Systems subscriptions management.

**Table 29. Parameters**

Parameter	Optional or Required	Value
serial_id	Optional	Subscription serial id String
system_id	required	System uuid string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

### 1.13. System Group Errata

Methods for handling erratas on system group level

#### 1.13.1. index

**GET /api/organizations/:organization\_id/system\_groups/:system\_group\_id/errata**

Get list of errata associated with the group

**Table 30. Parameters**

Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
system_group_id	required	system_group identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
type	Optional	Filter errata by type Must be one of: bugfix, enhancement, security.

#### 1.13.2. create

**POST /api/organizations/:organization\_id/system\_groups/:system\_group\_id/errata**

Install errata remotely

**Table 31. Parameters**

Parameter	Optional or Required	Value
-----------	----------------------	-------

Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
system_group_id	required	system_group identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
errata_ids	required	List of errata ids to install Array

## 1.14. System Group Packages

Methods for handling packages on system group level

### 1.14.1. create

**POST** /api/organizations/:organization\_id/system\_groups/:system\_group\_id/packages

Install packages remotely

#### Example 3. Example Code

```
POST /api/organizations/org_227e003/system_groups/1/packages
{
  "packages": [
    "cheetah"
  ]
}
202
{
  "task_type": "package_install",
  "id": 1,
  "pulp_id": "0384935e-4216-4d38-9832-6be39e379aba",
  "parameters": {
    "packages": [
      "cheetah"
    ]
  },
  "status_message": "Installing Package...",
  "created_at": "2012-08-10T13:48:24Z",
  "finish_time": null,
  "tasks": [
    {
      "uuid": "0e0f181c-e2f2-11e1-85ad-525400b68f90",
      "start_time": null,
```



```

    "result": {
      "errors": [
        null,
        null
      ]
    },
    "id": 15,
    "finish_time": null,
    "progress": null,
    "state": "waiting"
  }
],
"state": "running"
}

```

**Table 32. Parameters**

Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
system_group_id	required	system_group identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
packages	Optional	List of package names Array
groups	Optional	List of package group names Array

**1.14.2. update****PUT /api/organizations/:organization\_id/system\_groups/:system\_group\_id/packages**

Update packages remotely

**Example 4. Example Code**

```

PUT /api/organizations/org_227e003/system_groups/1/packages
{
  "packages": [
    "cheetah"
  ]
}
202
{

```

```

    "task_type": "package_update",
    "id": 2,
    "pulp_id": "efe07dec-a694-452e-9de1-a0cf4e429da1",
    "parameters": {
      "packages": [
        "cheetah"
      ]
    },
    "status_message": "Updating Package...",
    "created_at": "2012-08-10T13:48:48Z",
    "finish_time": null,
    "tasks": [
      {
        "uuid": "1cb315cf-e2f2-11e1-a5a0-525400b68f90",
        "start_time": null,
        "result": {
          "errors": [
            null,
            null
          ]
        },
        "id": 16,
        "finish_time": null,
        "progress": null,
        "state": "waiting"
      }
    ],
    "state": "running"
  }

```

**Table 33. Parameters**

Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
system_group_id	required	system_group identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
packages	Optional	List of package names Array
groups	Optional	List of package group names Array

### 1.14.3. destroy

#### DELETE /api/organizations/:organization\_id/system\_groups/:system\_group\_id/packages

Uninstall packages remotely

##### Example 5. Example Code

```
DELETE /api/organizations/org_227e003/system_groups/1/packages
{
  "packages": [
    "cheetah"
  ]
}
202
{
  "task_type": "package_remove",
  "id": 3,
  "pulp_id": "c5846b6b-7415-4fb1-b7ca-1b6fec9d7520",
  "parameters": {
    "packages": [
      "cheetah"
    ]
  },
  "status_message": "Removing Package...",
  "created_at": "2012-08-10T13:48:51Z",
  "finish_time": null,
  "tasks": [
    {
      "uuid": "1e087d07-e2f2-11e1-ae5e-525400b68f90",
      "start_time": null,
      "result": {
        "errors": [
          null,
          null
        ]
      },
      "id": 17,
      "finish_time": null,
      "progress": null,
      "state": "waiting"
    }
  ],
  "state": "running"
}
```

Table 34. Parameters

Parameter	Optional or Required	Value
-----------	----------------------	-------

Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
system_group_id	required	system_group identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
packages	Optional	List of package names Array
groups	Optional	List of package group names Array

## 1.15. System Groups

### 1.15.1. index

**GET /api/organizations/:organization\_id/system\_groups**

List system groups

**Table 35. Parameters**

Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
name	Optional	System group name to filter by String

### 1.15.2. show

**GET /api/organizations/:organization\_id/system\_groups/:id**

Show a system group

**Table 36. Parameters**

Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
id	required	Id of the system group string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

### 1.15.3. update

#### PUT /api/organizations/:organization\_id/system\_groups/:id

Update a system group

**Table 37. Parameters**

Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
id	required	Id of the system group string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
system_group	required	Hash
system_group[name]	Optional	System group name String
system_group[description]	Optional , nil allowed	String
system_group[max_systems]	Optional , nil allowed	Maximum number of systems in the group Integer

### 1.15.4. systems

#### GET /api/organizations/:organization\_id/system\_groups/:id/systems

List systems in the group

**Table 38. Parameters**

Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
id	required	Id of the system group string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

**1.15.5. add systems****POST /api/organizations/:organization\_id/system\_groups/:id/add\_systems**

Add systems to the group

**Table 39. Parameters**

Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
id	required	Id of the system group string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
system_group	required	Hash
system_group[system_ids]	Optional	Array of system ids Array

**1.15.6. remove systems****POST /api/organizations/:organization\_id/system\_groups/:id/remove\_systems**

Remove systems from the group

**Example 6. Example Code**

```
POST /api/organizations/org_227e003/system_groups/1/remove_systems
{
```

```

    "system_group": {
      "system_ids": [
        "3050eb45-0ec4-43ea-8913-83635f06a2b7"
      ]
    }
  }
}
200
[
]

```

**Table 40. Parameters**

Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
id	required	Id of the system group string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
system_group	required	Hash
system_group[system_ids]	Optional	Array of system ids Array

**1.15.7. history****GET /api/organizations/:organization\_id/system\_groups/:id/history**

History of jobs performed on a system group

**Table 41. Parameters**

Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

Parameter	Optional or Required	Value
id	required	Id of the system group string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

### 1.15.8. show

#### GET /api/organizations/:organization\_id/system\_groups/:id/history

History of a job performed on a system group

##### Example 7. Example Code

```
GET /api/organizations/org_227e003/system_groups/1/history/1
200
{
  "task_type": "package_install",
  "id": 1,
  "pulp_id": "0384935e-4216-4d38-9832-6be39e379aba",
  "parameters": {
    "packages": [
      "cheetah"
    ]
  },
  "status_message": "Installing Package...",
  "created_at": "2012-08-10T13:48:24Z",
  "finish_time": null,
  "tasks": [
    {
      "uuid": "0e0f181c-e2f2-11e1-85ad-525400b68f90",
      "start_time": "2012-08-10T13:48:24Z",
      "result": {
        "errors": [
          null,
          null
        ]
      },
      "id": 15,
      "finish_time": null,
      "progress": null,
      "state": "running"
    }
  ],
  "state": "running"
}
```

Table 42. Parameters



Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
id	required	Id of the system group string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
job_id	Optional	Id of a job for filtering string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

### 1.15.9. create

#### POST /api/organizations/:organization\_id/system\_groups

Create a system group

**Table 43. Parameters**

Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
system_group	required	Hash
system_group[name]	required	System group name String
system_group[description]	Optional , nil allowed	String
system_group[max_systems]	Optional , nil allowed	Maximum number of systems in the group Integer

### 1.15.10. copy

#### POST /api/organizations/:organization\_id/system\_groups/:id/copy

Make copy of a system group

**Table 44. Parameters**

Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
id	required	Id of the system group string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
system_group	required	Hash
system_group[new_name]	Optional	System group name String
system_group[description]	Optional , nil allowed	String
system_group[max_systems]	Optional , nil allowed	Maximum number of systems in the group Integer

**1.15.11. destroy****DELETE** /api/organizations/:organization\_id/system\_groups/:id

Destroy a system group

**Table 45. Parameters**

Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
id	required	Id of the system group string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

**1.15.12. destroy systems****DELETE** /api/organizations/:organization\_id/system\_groups/:id/destroy\_systems

Destroy a system group and its systems

**Table 46. Parameters**

Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
id	required	Id of the system group string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

### 1.15.13. update systems

**PUT /api/organizations/:organization\_id/system\_groups/:id/update\_systems**

Update systems within a system group

**Table 47. Parameters**

Parameter	Optional or Required	Value
organization_id	required	organization identifier string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
id	required	Id of the system group string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
system_group	Optional	Hash
system_group[content_view_id]	Optional	id of the content view to set systems to string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

Parameter	Optional or Required	Value
system_group[environment_id]	Optional	id of the enviornment to set systems to string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

## 1.16. Systems

### 1.16.1. hypervisors update

#### POST /api/hypervisors

Update the hypervisors information for environment

```
{ "host-uuid": ["guest-uuid-1", "guest-uuid-2"] }
```

See virt-who tool for more details.

### 1.16.2. activate (legacy)

#### POST /api/consumers

Register a system with activation key (compatibility)

### 1.16.3. activate

#### POST /api/organizations/:organization\_id/systems

Register a system with activation key

**Table 48. Parameters**

Parameter	Optional or Required	Value
activation_keys	required	String
facts	Optional , nil allowed	Key-value hash of system-specific facts Hash
installedProducts	Optional , nil allowed	List of products installed on the system Array
name	required	Name of the system String

Parameter	Optional or Required	Value
type	required	Type of the system, it should always be 'system' String
serviceLevel	Optional , nil allowed	A service level for auto-healing process, e.g. SELF-SUPPORT String
location	Optional	Physical of the system String
content_view_id	Optional	string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
environment_id	Optional	string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

#### 1.16.4. regenerate identity certificates

##### POST /api/consumers/:id

Regenerate consumer identity

Schedules the consumer identity certificate regeneration

**Table 49. Parameters**

Parameter	Optional or Required	Value
id	Optional	UUID of the consumer String

#### 1.16.5. update (legacy)

##### PUT /api/consumers/:id

Update system information (compatibility)

#### 1.16.6. update

##### PUT /api/systems/:id

Update system information

**Table 50. Parameters**

Parameter	Optional or Required	Value
facts	Optional , nil allowed	Key-value hash of system-specific facts Hash
installedProducts	Optional , nil allowed	List of products installed on the system Array
name	Optional	Name of the system String
type	Optional	Type of the system, it should always be 'system' String
serviceLevel	Optional , nil allowed	A service level for auto-healing process, e.g. SELF-SUPPORT String
location	Optional	Physical of the system String
content_view_id	Optional	string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..
environment_id	Optional	string from 2 to 128 characters containing only alphanumeric characters, space, '_', '-' with no leading or trailing space..

### 1.16.7. checkin (legacy)

#### PUT /api/consumers/:id/checkin

Update system check-in time (compatibility)

### 1.16.8. checkin

#### PUT /api/systems/:id/checkin

Update system check-in time

**Table 51. Parameters**

Parameter	Optional or Required	Value
date	Optional	check-in time String

### 1.16.9. index

#### GET /api/organizations/:organization\_id/systems

List systems in organization

**Table 52. Parameters**

Parameter	Optional or Required	Value
name	Optional	Filter systems by name String
pool_id	Optional	Filter systems by subscribed pool String
search	Optional	Filter systems by advanced search query String
uuid	Optional	Filter systems by uuid String

### 1.16.10. show

#### GET /api/systems/:id

Show a system

**Table 53. Parameters**

Parameter	Optional or Required	Value
id	required	UUID of the system String

### 1.16.11. destroy (legacy)

#### DELETE /api/consumers/:id

Unregister a system (compatibility)

### 1.16.12. destroy

#### DELETE /api/systems/:id

Unregister a system

**Table 54. Parameters**

Parameter	Optional or Required	Value
id	required	UUID of the system String

### 1.16.13. subscription status

#### GET /api/systems/:id/subscription\_status

Show status of subscriptions on the system

**Table 55. Parameters**

Parameter	Optional or Required	Value
id	required	UUID of the system String

### 1.16.14. pools

#### GET /api/systems/:id/pools

List pools a system is subscribed to

**Table 56. Parameters**

Parameter	Optional or Required	Value
id	required	UUID of the system String

### 1.16.15. releases

#### GET /api/systems/:id/releases

Show releases available for the system

A hint for choosing the right value for the releaseVer param

**Table 57. Parameters**

Parameter	Optional or Required	Value
id	required	UUID of the system String

### 1.16.16. package profile

#### GET /api/systems/:id/packages

List packages installed on the system

**Table 58. Parameters**

Parameter	Optional or Required	Value
id	required	UUID of the system String



### 1.16.17. errata

#### GET /api/systems/:id/errata

List errata available for the system

**Table 59. Parameters**

Parameter	Optional or Required	Value
id	required	UUID of the system String

### 1.16.18. upload package profile

#### PUT /api/consumers/:id/profile

Update installed packages

**Table 60. Parameters**

Parameter	Optional or Required	Value
id	required	UUID of the system String

### 1.16.19. report

#### GET /api/organizations/:organization\_id/systems/report

Get system reports for the organization

### 1.16.20. tasks

#### GET /api/systems/:id/tasks

List async tasks for the system

### 1.16.21. enabled repos

#### PUT /api/systems/:id/enabled\_repos

Update the information about enabled repositories

Used by katello-agent to keep the information about enabled repositories up to date. This information is then used for computing the errata available for the system.

#### **Example 8. Example Code**

```
PUT /api/systems/82b34fd1-8758-493d-8fa6-5b2b1bf8559d/enabled_repos
{
  "enabled_repos": {
    "repos": [
      {
        "repositoryid": "zoo-enterprise"
```

```

    }
  ]
}
}
200
{
  "processed_ids": [
    "org_manifest_227e003-env_manifest_227e003-Zoo_Enterprise-
Zoo_Enterprise_x86_64_6_2"
  ],
  "result": "ok",
  "unknown_labels": [],
  "error_ids": []
}

```

**Table 61. Parameters**

Parameter	Optional or Required	Value
enabled_repos	required	Hash
enabled_repos[repos]	required	Array

**1.16.22. add system groups****POST /api/systems/:id/system\_groups**

Replace existing list of system groups

**Table 62. Parameters**

Parameter	Optional or Required	Value
system	required	Hash
system[system_group_ids]	required	List of group ids the system belongs to Array

**1.16.23. remove system groups****DELETE /api/systems/:id/system\_groups**

Remove a system from groups

**Table 63. Parameters**

Parameter	Optional or Required	Value
system	required	Hash

Parameter	Optional or Required	Value
system[system_group_ids]	required	List of group ids to add the system to Array

### 1.16.24. refresh subscriptions

#### PUT /api/systems/:id/refresh\_subscriptions

Trigger a refresh of subscriptions, auto-attaching if enabled

**Table 64. Parameters**

Parameter	Optional or Required	Value
id	required	UUID of the system String

### 1.16.25. task

#### GET /api/systems/task/:task\_id

Grab a single system task

**Table 65. Parameters**

Parameter	Optional or Required	Value
task_id	required	Id of the task String

## 1.17. Ubercerts

### 1.17.1. show

#### GET /api/organizations/:organization\_id/uebercert

Show an uber certificate for an organization

**Table 66. Parameters**

Parameter	Optional or Required	Value
regenerate	Optional	When set to 'True' certificate will be re-issued Boolean

## 1.18. Users

### 1.18.1. index

#### GET /api/users

List users

**Table 67. Parameters**

Parameter	Optional or Required	Value
email	Optional	filter by email String
disabled	Optional	filter by disabled flag Boolean
username	Optional	filter by username String

### 1.18.2. show

#### GET /api/users/:id

Show a user

### 1.18.3. create

#### POST /api/users

Create a user

**Table 68. Parameters**

Parameter	Optional or Required	Value
username	required	String
email	required	String
password	required	String
default_environment_id	Optional , nil allowed	Integer
disabled	Optional , nil allowed	Boolean

### 1.18.4. update

#### PUT /api/users/:id

Update a user

**Table 69. Parameters**

Parameter	Optional or Required	Value
email	Optional	String
password	Optional	String
default_environment_id	Optional , nil allowed	Integer
disabled	Optional , nil allowed	Boolean

### 1.18.5. destroy

#### DELETE /api/users/:id

Destroy a user

### 1.18.6. list roles

#### GET /api/users/:user\_id/roles

List roles assigned to a user

### 1.18.7. sync ldap roles

#### GET /api/users/sync\_ldap\_roles

Synchronises roles for all users with LDAP groups

### 1.18.8. add role

#### POST /api/users/:user\_id/roles

Assign a role to a user

**Table 70. Parameters**

Parameter	Optional or Required	Value
role_id	Optional	Integer

### 1.18.9. remove role

#### DELETE /api/users/:user\_id/roles/:id

Remove user's role

### 1.18.10. report

#### GET /api/users/report

Reports all users in the system in a format according to 'Accept' headers. Supported formats are plain text, html, csv, pdf

## 2. REVISION HISTORY

<b>Revision 1.3-0</b> Initial release.	<b>April 30, 2014</b>	<b>Ella Deon Ballard</b>
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