



Red Hat Satellite 6.0

API Guide

Reference documentation for using Satellite's Representational State Transfer (REST) APIs

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Red Hat Satellite Documentation Team

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Abstract

This guide explains the usage of the Representational State Transfer (REST) APIs for Satellite.

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PART I. USING RED HAT SATELLITE API

CHAPTER 1. ABOUT RED HAT SATELLITE

Red Hat Satellite is an Infrastructure-as-a-Service (IaaS) application that provides tools to update systems within hybrid clouds. Satellite is a systems management server that can be used to configure new systems, subscribe to updates, and maintain installations in distributed environments. It provides content, manages Red Hat entitlements, performs provisioning and configuration management of pre-defined standard operating environments.

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1.1. ABOUT THE RED HAT SATELLITE API

Red Hat Satellite provides a **Representational State Transfer (REST)** API. The API provides software developers and system administrators with control over their Red Hat Satellite environment outside of the standard web interface. The REST API is useful for developers and administrators who aim to integrate the functionality of Red Hat Satellite with custom scripts or external applications that access the API via the standard Hypertext Transfer Protocol (HTTP).

The benefits of the REST API are:

- Broad client support - Any programming language, framework, or system with support for HTTP protocol can use the API;
- Self descriptive - Client applications require minimal knowledge of the Red Hat Satellite infrastructure as many details are discovered at runtime;
- Resource-based model - The resource-based REST model provides a natural way to manage a virtualization platform.

This provides developers and administrators with the ability to:

- Integrate with enterprise IT systems;
- Integrate with third-party applications;
- Perform automated maintenance or error checking tasks; and
- Automate repetitive tasks with scripts.

This documentation aims to provide developers and administrators with instructions and examples to help harness the functionality of Red Hat Satellite through the REST APIs.

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1.2. REPRESENTATIONAL STATE TRANSFER

Representational State Transfer (REST) is a design architecture that focuses on resources for a specific service and their representations. A resource representation is a key abstraction of information that corresponds to one specific managed element on a server. A client sends a request to a server element located at a Uniform Resource Identifier (URI) and performs operations with standard HTTP methods, such as **GET**, **POST**, **PUT**, and **DELETE**. This provides a stateless communication between the client and server where each request acts independent of any other request and contains all necessary information to complete the request.

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CHAPTER 2. AUTHENTICATION

2.1. SSL CERTIFICATION

Red Hat Satellite uses Hypertext Transfer Protocol Secure (HTTPS) ^[1] over the Secure Socket Layer (SSL), which provides users with a degree of encryption and identity verification when communicating with a Red Hat Satellite host.

Each Red Hat Satellite host uses a self-signed certificate. This certificate acts as both the server certificate to verify the encryption key and the certificate authority (CA) to trust the identity of the Red Hat Satellite server.

Procedure 2.1. Attaining a certificate

This method uses SSH to copy the server's self-signed certificate.

1. Login to your host with **ssh** as the **root** user:

```
# ssh root@[host]
```

2. Search your server's configuration directory for the certificate location:

```
# grep -r "SSLCertificateFile" /etc/httpd/conf.d
```



NOTE

The default location of self-signed certificates is usually **/etc/candlepin/certs/candlepin-ca.crt**.

3. Secure copy this certificate to your client.

```
# scp [cert-file] [username]@[client]:~/.
```

Use this certificate on your client as a certificate authority (CA) to verify the identity of the host server.

IMPORTANT

cURL examples in this guide use the CA with the **--cacert** option.

```
# curl -X GET -u cfadmin:123456 \
  -H "Accept:application/json" \
  --cacert [FILE] \
  https://satellite.example.com/katello/api/organizations
```

To permanently include the certificate with cURL's CA store, use the following command for the Red Hat Satellite CA:

```
# certutil -d sql:$HOME/.pki/nssdb -A -t TC -n "Red Hat
Satellite" -i [SATELLITE CERT FILE]
```

This imports the certificate into the Network Security Services (NSS) Database, which allows cURL users to omit the **--cacert** option for each request.

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2.2. HTTP AUTHENTICATION

An API user submits a mandatory Red Hat Satellite username and password with all requests to the APIs and uses HTTP Basic Authentication ^[2] to encode these credentials. If a request does not include an appropriate **Authorization** header, the API returns a **401 Authorization Required** as a result:

Example 2.1. Access to a REST API without appropriate credentials

```
HEAD [base] HTTP/1.1
Host: [host]

HTTP/1.1 401 Authorization Required
```

Requests are issued with an **Authorization** header for the specified server. An API user encodes an appropriate username in the supplied credentials with the **username:password** convention.

Table 2.1. Encoding credentials for access to an API

Item	Value
username	admin
password	123456
unencoded credentials	admin:123456
base64 encoded credentials	YWRtaW46MTIzNDU2

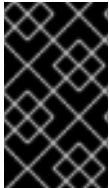
This table shows the process for encoding credentials in base64.

An API user provides the base64 encoded credentials as shown:

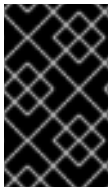
Example 2.2. Access to a REST API with appropriate credentials

```
HEAD [base] HTTP/1.1
Host: [host]
Authorization: Basic YWRtaW46MTIzNDU2

HTTP/1.1 200 OK
...
```

**IMPORTANT**

Basic authentication involves potentially sensitive information, such as passwords, sent as plain text. The REST APIs require Hypertext Transfer Protocol Secure (HTTPS) for transport-level encryption of plain-text requests.

**IMPORTANT**

Some base64 libraries break the result into multiple lines and terminate each line with a newline character. This breaks the header and causes a faulty request. The Authorization header requires the encoded credentials on a single line within the header.

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[1] HTTPS is described in [RFC 2818 HTTP Over TLS](#).

[2] Basic Authentication is described in [RFC 2617 HTTP Authentication: Basic and Digest Access Authentication](#).

CHAPTER 3. COMMON REST API FUNCTIONS

3.1. LISTING ALL RESOURCES IN A COLLECTION

Obtain a listing of resources in a collection with a **GET** request on the collection URI obtained from the entry point.

Include an **Accept** HTTP header to define the MIME type for the response format.

```
GET /api/[collection] HTTP/1.1
Accept: [MIME type]
```

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3.2. RETRIEVING A RESOURCE

Obtain the state of a resource with a **GET** request on a URI obtained from a collection listing.

Include an **Accept** HTTP header to define the MIME type for the response format.

```
GET /api/[collection]/[resource_id] HTTP/1.1
Accept: [MIME type]
```

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3.3. CREATING A RESOURCE IN A COLLECTION

Create a new resource with a **POST** request to the collection URI containing a representation of the new resource.

A **POST** request requires a **Content-Type** header. This informs the API of the representation MIME type in the body content as part of the request.

Include an **Accept** HTTP header to define the MIME type for the response format.

Each resource type has its own specific required properties. The client supplies these properties when creating a new resource. Refer to the individual resource type documentation for more details.

If a required property is absent, the creation fails with a representation indicating the missing elements.

```
POST /api/[collection] HTTP/1.1
Accept: [MIME type]
Content-Type: [MIME type]

[body]
```

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3.4. UPDATING A RESOURCE

Modify resource properties with a **PUT** request containing an updated description from a previous **GET** request for the resource URI. Details on modifiable properties are found in the individual resource type documentation.

A **PUT** request requires a **Content-Type** header. This informs the API of the representation MIME type in the body content as part of the request.

Include an **Accept** HTTP header to define the MIME type for the response format.

```
PUT /api/collection/resource_id HTTP/1.1
Accept: [MIME type]
Content-Type: [MIME type]

[body]
```

This does not include immutable resource properties that an API user has attempted to modify. If an attempt is made to modify a *strictly* immutable resource property, the API reports a conflict with an error message representation in the response body.

Properties omitted from the representation are ignored and not changed.

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3.5. DELETING A RESOURCE

Delete a resource with a **DELETE** request sent to its URI.

Include an **Accept** HTTP header to define the MIME type for the response format.

```
DELETE /api/[collection]/[resource_id] HTTP/1.1
Accept: [MIME type]
```

Some cases require optional body content in the **DELETE** request to specify additional properties. A **DELETE** request with optional body content requires a **Content-Type** header to inform the API of the representation MIME type in the body content. If a **DELETE** request contains no body content, omit the **Content-Type** header.

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CHAPTER 4. EXAMPLES

4.1. SATELLITE 6 API PYTHON EXAMPLE

The following script connects to the Red Hat Satellite 6 API and creates a new organization, then creates three environments in the new organization. If the organization already exists, the script uses that organization. If any of the environments already exist in the organization, the script raises an error and quits.



IMPORTANT

This script requires the **requests** and **json** modules.

```
#!/usr/bin/python

import json
import sys

try:
    import requests
except ImportError:
    print "Please install the python-requests module."
    sys.exit(-1)

# URL to your Satellite 6 server
URL = "https://satellite6.example.com"
# URL for the API to your deployed Satellite 6 server
SAT_API = "%s/katello/api/v2/" % URL
# Katello-specific API
KATELLO_API = "%s/katello/api/" % URL
POST_HEADERS = {'content-type': 'application/json'}
# Default credentials to login to Satellite 6
USERNAME = "admin"
PASSWORD = "changeme"
# Ignore SSL for now
SSL_VERIFY = False

# Name of the organization to be either created or used
ORG_NAME = "MyOrg"
# Name for lifecycle environments to be either created or used
ENVIRONMENTS = ["Development", "Testing", "Production"]

def get_json(location):
    """
    Performs a GET using the passed URL location
    """

    r = requests.get(location, auth=(USERNAME, PASSWORD),
        verify=SSL_VERIFY)

    return r.json()
```



```

def post_json(location, json_data):
    """
    Performs a POST and passes the data to the URL location
    """

    result = requests.post(
        location,
        data=json_data,
        auth=(USERNAME, PASSWORD),
        verify=SSL_VERIFY,
        headers=POST_HEADERS)

    return result.json()

def main():
    """
    Main routine that creates or re-uses an organization and
    lifecycle environments. If lifecycle environments already
    exist, exit out.
    """

    # Check if our organization already exists
    org = get_json(SAT_API + "organizations/" + ORG_NAME)

    # If our organization is not found, create it
    if org.get('error', None):
        org_id = post_json(
            SAT_API + "organizations/",
            json.dumps({"name": ORG_NAME}))["organization"]["id"]
        print "Creating organization: \t" + ORG_NAME
    else:
        # Our organization exists, so let's grab it
        org_id = org['id']
        print "Organization '%s' exists." % ORG_NAME

    # Now, let's fetch all available lifecycle environments for this
    org...
    envs = get_json(
        SAT_API + "organizations/" + str(org_id) + "/environments/")

    # ... and add them to a dictionary, with respective 'Prior'
    environment
    prior_env_id = 0
    env_list = {}
    for env in envs['results']:
        env_list[env['id']] = env['name']
        prior_env_id = env['id'] if env['name'] == "Library" else
prior_env_id

    # Exit the script if at least one lifecycle environment already exists
    if all(environment in env_list.values() for environment in
ENVIRONMENTS):
        print "ERROR: One of the Environments is not unique to
organization"

```

```

        sys.exit(-1)

    # Create lifecycle environments
    for environment in ENVIRONMENTS:
        new_env_id = post_json(
            SAT_API + "organizations/" + str(org_id) + "/environments/",
            json.dumps(
                {
                    "name": environment,
                    "organization_id": org_id,
                    "prior": prior_env_id}
            ))["id"]

        print "Creating environment: \t" + environment
        prior_env_id = new_env_id

if __name__ == "__main__":
    main()

```



WARNING

This script does not use SSL verification for interacting with the REST API and is provided here only as a demonstration.

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4.2. SATELLITE 6 API RUBY EXAMPLE

The following script connects to the Red Hat Satellite 6 API and creates a new organization, then creates three environments in the new organization. If the organization already exists, the script uses that organization. If any of the environments already exist in the organization, the script raises an error and quits.



IMPORTANT

This script requires the **rest-client** and **json** Ruby gems.

```

#!/usr/bin/ruby

require 'rest-client'
require 'json'

url = 'https://satellite6.example.com/api/v2/'
katello_url = 'https://satellite6.example.com/katello/api/v2/'
$username = 'admin'
$password = 'changeme'

org_name = "MyOrg"

```

```

environments = ["Development", "Testing", "Production"]

def get_json(location)
  response = RestClient::Request.new(
    :method => :get,
    :url => location,
    :user => $username,
    :password => $password,
    :headers => { :accept => :json,
                  :content_type => :json }
  ).execute
  results = JSON.parse(response.to_str)
end

def post_json(location, json_data)
  response = RestClient::Request.new(
    :method => :post,
    :url => location,
    :user => $username,
    :password => $password,
    :headers => { :accept => :json,
                  :content_type => :json},
    :payload => json_data
  ).execute
  results = JSON.parse(response.to_str)
end

orgs = get_json(url+"organizations")
org_list = {}
orgs['results'].each do |org|
  org_list[org['id']] = org['name']
end

if !org_list.has_value?(org_name)
  org_id = post_json(url+"organizations", JSON.generate({"name"=>
org_name}))["organization"]["id"]
  puts "Creating organization: \t" + org_name
else
  org_id = org_list.key(org_name)
  puts "Organization \"\" + org_name + "\" exists"
end

envs = get_json(katello_url+"organizations/" + org_id.to_s +
"/environments")
env_list = {}
envs['results'].each do |env|
  env_list[env['id']] = env['name']
end
prior_env_id = env_list.key("Library")

environments.each do |e|
  if env_list.has_value?(e)
    puts "ERROR: One of the Environments is not unique to
organization"
    exit()
  end
end

```

```
end

environments.each do |environment|
  new_env_id = post_json(katello_url+"organizations/" + org_id.to_s +
    "/environments", JSON.generate({"name" => environment, "organization_id"
    => org_id, "prior" => prior_env_id}))["id"]
  puts "Creating environment: \t" + environment
  prior_env_id = new_env_id
end
exit()
```

**WARNING**

This script does not use SSL communication for interacting with the REST API and is provided here only as a demonstration.

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PART II. RED HAT SATELLITE API

CHAPTER 5. API ENTRY POINT

The Red Hat Satellite API uses a JavaScript Object Notation (JSON) format for representations. Use the **application/json** MIME type for **Accept** and **Content - type** HTTP headers.

A user begins interacting with the API through a **GET** request on the entry point URI consisting of a host and base.

```
GET [base] HTTP/1.1
Host: [host]
```

The base entry point is the location on the host to apply the request. The Red Hat Satellite 6 API has two base entry points:

- **/api/** - System provisioning and management functions
- **/katello/api/** - Subscription and content management functions

The base entry point also requires a version number in the following format: **vN**, when *N* represents the version number. For example:

```
https://satellite.example.com/api/v2/
```



NOTE

v2 is the current supported version for Red Hat Satellite 6.0. **v1** is deprecated.

Example 5.1. Viewing a Representation of the Entry Point

If the host is **satellite.example.com** and the base is **/katello/api/v2**, the entry point appears using the following:

cURL command

```
# curl -u admin:123456 -H "Accept:application/json" \
  --cacert [FILE] \
  https://satellite.example.com/api/v2/
```

Request

```
GET /katello/api HTTP/1.1
Host: satellite.example.com
Authorization: Basic YWRtaW46MTIzNDU2
Accept: application/xml
```

Response

```
[
  {
    "href": "/api/systems/",
    "rel": "systems"
  },
]
```

```
{
  "href": "/api/providers/",
  "rel": "providers"
},
{
  "href": "/api/templates/",
  "rel": "templates"
},
...
]
```

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CHAPTER 6. ACTIVATION KEYS

6.1. LIST ACTIVATION KEYS

- **GET** `/katello/api/v2/activation_keys`

List activation keys

- **GET** `/katello/api/v2/environments/:environment_id/activation_keys`

List activation keys for environment

- **GET** `/katello/api/v2/organizations/:organization_id/activation_keys`

List activation keys for organizations

Table 6.1. Parameters

Name	Required	Type	Description
organization_id	True	Number	Organization identifier
environment_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Environment identifier
content_view_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier
name	False	String	Activation key name to use as a filter
search	False	String	Search string
page	False	Number	Page number, starting at 1
per_page	False	Number	Number of results per page to return
order	False	String	Sort field and order. For example, name DESC .
full_results	False	Boolean	Whether or not to show all results

Name	Required	Type	Description
sort	False	Hash	Hash version of order parameter
sort[by]	False	String	Field to use for sorting the results
sort[order]	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.

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6.2. CREATE AN ACTIVATION KEY

- **POST /katello/api/v2/activation_keys**

Create an activation key

Table 6.2. Parameters

Name	Required	Type	Description
organization_id	True	Number	Organization identifier
name	True	String	Plain text name
description	False	String	Plain text description
environment	False	Hash	Environment subcollection
environment_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Environment identifier
content_view_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier
max_content_hosts	False	Number	Maximum number of registered content hosts

Name	Required	Type	Description
unlimited_content_hosts	False	Boolean	Set if the activation key can have unlimited content hosts

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6.3. UPDATE AN ACTIVATION KEY

- **PUT /katello/api/v2/activation_keys/:id**

Update an activation key

Table 6.3. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	ID of the activation key
organization_id	True	Number	Organization identifier
name	True	String	Plain text name
description	False	String	Plain text description
environment_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Environment identifier
content_view_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier
max_content_hosts	False	Number	Maximum number of registered content hosts

Name	Required	Type	Description
unlimited_content_hosts	False	boolean	Defines if the activation key can have unlimited content hosts
release_version	False	String	Content release version
service_level	False	String	Content service level

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6.4. DESTROY AN ACTIVATION KEY

- **DELETE** `/katello/api/v2/activation_keys/:id`

Destroy an activation key

Table 6.4. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	ID of the activation key

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6.5. SHOW AN ACTIVATION KEY

- **GET** `/katello/api/v2/activation_keys/:id`

Show an activation key

Table 6.5. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	ID of the activation key

Name	Required	Type	Description
organization_id	False	Number	Organization identifier

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6.6. LIST HOST COLLECTIONS THE SYSTEM DOES NOT BELONG TO

- **GET** `/katello/api/v2/activation_keys/:id/host_collections/available`

List host collections the system does not belong to

Table 6.6. Parameters

Name	Required	Type	Description
search	False	String	Search string
page	False	Number	Page number, starting at 1
per_page	False	Number	Number of results per page to return
order	False	String	Sort field and order. For example, name DESC .
full_results	False	Boolean	Whether or not to show all results
sort	False	Hash	Hash version of order parameter
sort[by]	False	String	Field to use for sorting the results
sort[order]	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
name	False	String	Host collection name to use as a filter

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6.7. SHOW RELEASE VERSIONS AVAILABLE FOR AN ACTIVATION KEY

- **GET** `/katello/api/v2/activation_keys/:id/releases`

Show release versions available for an activation key

Table 6.7. Parameters

Name	Required	Type	Description
id	True	String	ID of the activation key

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6.8. ASSIGN ACTIVATION KEY TO HOST COLLECTIONS

- **PUT** /katello/api/v2/activation_keys/:id/host_collections

Assign activation key to host collections

Table 6.8. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	ID of the activation key

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CHAPTER 7. ARCHITECTURES

7.1. LIST ALL ARCHITECTURES

- **GET** `/api/v2/architectures`

List all architectures.

Table 7.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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7.2. SHOW AN ARCHITECTURE

- **GET** `/api/v2/architectures/:id`

Show an architecture.

Table 7.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Architecture identifier

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7.3. CREATE AN ARCHITECTURE

- **POST** `/api/v2/architectures`

Create an architecture.

Table 7.3. Parameters

Name	Required	Type	Description
architecture	False	Hash	Architecture subcollection
architecture[name]	True	String	Architecture name
architecture[operatingsystem_ids]	False	Array	A list of operating system IDs

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7.4. UPDATE AN ARCHITECTURE

- **PUT /api/v2/architectures/:id**

Update an architecture.

Table 7.4. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Architecture identifier
architecture	False	Hash	Architecture subcollection
architecture[name]	False	String	Architecture name
architecture[operatingsystem_ids]	False	Array	A list of operating system IDs

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7.5. DELETE AN ARCHITECTURE

- **DELETE /api/v2/architectures/:id**

Delete an architecture.

Table 7.5. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Architecture identifier

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CHAPTER 8. AUDITS

8.1. LIST ALL AUDITS

- **GET** `/api/v2/audits`

List all audits.

- **GET** `/api/v2/hosts/:host_id/audits`

List all audits for a given host.

Table 8.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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8.2. SHOW AN AUDIT

- **GET** `/api/v2/audits/:id`

Show an audit

Table 8.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Audit identifier

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CHAPTER 9. AUTHENTICATION SOURCE (LDAPS)

9.1. LIST ALL LDAP AUTHENTICATION SOURCES

- **GET /api/v2/auth_source_ldaps**

List all LDAP authentication sources

Table 9.1. Parameters

Name	Required	Type	Description
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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9.2. SHOW AN LDAP AUTHENTICATION SOURCE

- **GET /api/v2/auth_source_ldaps/:id**

Show an LDAP authentication source.

Table 9.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Authentication source identifier

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9.3. CREATE AN LDAP AUTHENTICATION SOURCE

- **POST /api/v2/auth_source_ldaps**

Create an LDAP Authentication Source.

Table 9.3. Parameters

Name	Required	Type	Description
auth_source_ldap	False	Hash	Authentication source subcollection

Name	Required	Type	Description
auth_source_ldap [name]	True	String	Authentication source name
auth_source_ldap [host]	True	String	Authentication source hostname or IP address
auth_source_ldap [port]	False	Number	Authentication source port. Defaults to 389.
auth_source_ldap [account]	False	String	LDAP account to use for authentication.
auth_source_ldap [base_dn]	False	String	Base DN to use for authentication.
auth_source_ldap [account_password]	False	String	LDAP account password to use for authentication.
auth_source_ldap [attr_login]	False	String	The LDAP attribute for the username. Required if onthe-fly_register is true.
auth_source_ldap [attr_firstname]	False	String	The LDAP attribute for the user's first name. Required if onthe-fly_register is true.
auth_source_ldap [attr_lastname]	False	String	The LDAP attribute for the user's last name. Required if onthe-fly_register is true.
auth_source_ldap [attr_mail]	False	String	The LDAP attribute for the user's email address. Required if onthe-fly_register is true.
auth_source_ldap [attr_photo]	False	String	The LDAP attribute for the user's photo or avatar. Required if onthe-fly_register is true.
auth_source_ldap [onthe-fly_register]	False	Boolean	Register users from the LDAP authentication source in Satellite
auth_source_ldap [tls]	False	Boolean	Set to true to use TLS for authentication.

[Report a bug](#)

9.4. UPDATE AN LDAP AUTHENTICATION SOURCE

- **PUT** `/api/v2/auth_source_ldaps/:id`

Update an LDAP Authentication Source.

Table 9.4. Parameters

Name	Required	Type	Description
id	True	String	Authentication identifier
auth_source_ldap	False	Hash	Authentication source subcollection
auth_source_ldap [name]	True	String	Authentication source name
auth_source_ldap [host]	True	String	Authentication source hostname or IP address
auth_source_ldap [port]	False	Number	Authentication source port. Defaults to 389.
auth_source_ldap [account]	False	String	LDAP account to use for authentication.
auth_source_ldap [base_dn]	False	String	Base DN to use for authentication.
auth_source_ldap [account_password]	False	String	LDAP account password to use for authentication.
auth_source_ldap [attr_login]	False	String	The LDAP attribute for the username. Required if onthe-fly_register is true.
auth_source_ldap [attr_firstname]	False	String	The LDAP attribute for the user's first name. Required if onthe-fly_register is true.
auth_source_ldap [attr_lastname]	False	String	The LDAP attribute for the user's last name. Required if onthe-fly_register is true.
auth_source_ldap [attr_mail]	False	String	The LDAP attribute for the user's email address. Required if onthe-fly_register is true.

Name	Required	Type	Description
auth_source_ldap [attr_photo]	False	String	The LDAP attribute for the user's photo or avatar. Required if onthe-fly_register is true.
auth_source_ldap [onthe-fly_register]	False	Boolean	Register users from the LDAP authentication source in Satellite
auth_source_ldap [tls]	False	Boolean	Set to true to use TLS for authentication.

[Report a bug](#)

9.5. DELETE AN LDAP AUTHENTICATION SOURCE

- **DELETE** `/api/v2/auth_source_ldaps/:id`

Delete an LDAP Authentication Source.

Table 9.5. Parameters

Name	Required	Type	Description
id	True	String	Authentication source identifier

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CHAPTER 10. AUTOSIGN

10.1. LIST ALL AUTOSIGN

- **GET** `/api/v2/smart_proxies/:id/autosign`

List all autosign

Table 10.1. Parameters

Name	Required	Type	Description
id	True	String	Smart Proxy identifier

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CHAPTER 11. BOOKMARKS

11.1. LIST ALL BOOKMARKS

- **GET** `/api/v2/bookmarks`

List all bookmarks.

Table 11.1. Parameters

Name	Required	Type	Description
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

[Report a bug](#)

11.2. SHOW A BOOKMARK

- **GET** `/api/v2/bookmarks/:id`

Show a bookmark.

Table 11.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Object identifier

[Report a bug](#)

11.3. CREATE A BOOKMARK

- **POST** `/api/v2/bookmarks`

Create a bookmark.

Table 11.3. Parameters

Name	Required	Type	Description
bookmark	False	Hash	Bookmark subcollection

Name	Required	Type	Description
bookmark[name]	True	String	Bookmark name
bookmark[controller]	True	String	Bookmark controller
bookmark[query]	True	String	Bookmark query
bookmark[public]	False	Boolean	Set to true if everyone can access this bookmark. Set to false if a private bookmark.

[Report a bug](#)

11.4. UPDATE A BOOKMARK

- **PUT /api/v2/bookmarks/:id**

Update a bookmark.

Table 11.4. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Bookmark identifier
bookmark	False	Hash	Bookmark subcollection
bookmark[name]	False	String	Bookmark name
bookmark[controller]	False	String	Bookmark controller
bookmark[query]	False	String	Bookmark query
bookmark[public]	False	Boolean	Set to true if everyone can access this bookmark. Set to false if a private bookmark.

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11.5. DELETE A BOOKMARK

- **DELETE** `/api/v2/bookmarks/:id`

Delete a bookmark.

Table 11.5. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Bookmark identifier

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CHAPTER 12. CAPSULE CONTENT

[Report a bug](#)

12.1. LIST LIFECYCLE ENVIRONMENTS ATTACHED TO CAPSULE

- **GET** `/katello/api/capsules/:id/content/lifecycle_environments`

List the lifecycle environments attached to a capsule

Table 12.1. Parameters

Name	Required	Type	Description
id	True	Integer	Identifier of the capsule
organization_id	False	Integer	Identifier of the organization to limit environments

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12.2. LIST LIFECYCLE ENVIRONMENTS NOT ATTACHED TO CAPSULE

- **GET** `/katello/api/capsules/:id/content/available_lifecycle_environments`

List the lifecycle environments not attached to a capsule

Table 12.2. Parameters

Name	Required	Type	Description
id	True	Integer	Identifier of the capsule
organization_id	False	Integer	Identifier of the organization to limit environments

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12.3. ADD LIFECYCLE ENVIRONMENTS TO CAPSULE

- **POST** `/katello/api/capsules/:id/content/lifecycle_environments`

Add lifecycle environments to the capsule

Table 12.3. Parameters

Name	Required	Type	Description
id	True	Integer	Identifier of the capsule

Name	Required	Type	Description
environment_id	True	Integer	Identifier of the lifecycle environment

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12.4. REMOVE LIFECYCLE ENVIRONMENTS FROM CAPSULE

- **DELETE**
`/katello/api/capsules/:id/content/lifecycle_environments/:environment_id`

Remove lifecycle environments from a capsule

Table 12.4. Parameters

Name	Required	Type	Description
id	True	Integer	Identifier of the capsule
environment_id	True	Integer	Identifier of the lifecycle environment

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12.5. SYNCHRONIZE CONTENT TO CAPSULE

- **POST** `/katello/api/capsules/:id/content/sync`

Synchronize the content to the capsule

Table 12.5. Parameters

Name	Required	Type	Description
id	True	Integer	Identifier of the capsule
environment_id	False	Integer	Identifier of the environment to limit the synchronization

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CHAPTER 13. CAPSULES

[Report a bug](#)

13.1. LIST ALL CAPSULES

- **GET** `/katello/api/capsules`

List all capsules

Table 13.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
page	False	Number	Page number, starting at 1
per_page	False	number.	Number of results per page to return
order	False	String	Sort field and order. For example, name DESC .
full_results	False	boolean	Whether or not to show all results
sort	False	Hash	Hash version of order parameter
sort[by]	False	String	Field to use for sorting the results
sort[order]	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.

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13.2. SHOW CAPSULE DETAILS

- **GET** `/katello/api/capsules/:id`

Show the capsule details

Table 13.2. Parameters

Name	Required	Type	Description
id	True	Integer	Identifier of the capsule

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CHAPTER 14. COMMON PARAMETERS

14.1. LIST ALL COMMON PARAMETERS

- **GET** `/api/v2/common_parameters`

List all common parameters.

Table 14.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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14.2. SHOW A COMMON PARAMETER

- **GET** `/api/v2/common_parameters/:id`

Show a common parameter.

Table 14.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Common parameter identifier

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14.3. CREATE A COMMON PARAMETER

- **POST** `/api/v2/common_parameters`

Create a common parameter

Table 14.3. Parameters

Name	Required	Type	Description
common_parameter	False	Hash	Common parameter subcollection
common_parameter [name]	True	String	Common parameter name
common_parameter [value]	True	String	Common parameter value

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14.4. UPDATE A COMMON PARAMETER

- **PUT** `/api/v2/common_parameters/:id`

Update a common parameter

Table 14.4. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Common parameter identifier
common_parameter	False	Hash	Common parameter subcollection
common_parameter [name]	False	String	Common parameter name
common_parameter [value]	False	String	Common parameter value

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14.5. DELETE A COMMON PARAMETER

- **DELETE** `/api/v2/common_parameters/:id`

Delete a common parameter

Table 14.5. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Common parameter identifier

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CHAPTER 15. COMPUTE ATTRIBUTES

15.1. CREATE A COMPUTE ATTRIBUTE

- **POST**
`/api/v2/compute_resources/:compute_resource_id/compute_profiles/:compute_profile_id/compute_attributes`
 Create a compute attribute
- **POST**
`/api/v2/compute_profiles/:compute_profile_id/compute_resources/:compute_resource_id/compute_attributes`
 Create a compute attribute
- **POST** `/api/v2/compute_resources/:compute_resource_id/compute_attributes`
 Create a compute attribute
- **POST** `/api/v2/compute_profiles/:compute_profile_id/compute_attributes`
 Create a compute attribute
- **POST** `/api/v2/compute_attributes`
 Create a compute attribute.

Table 15.1. Parameters

Name	Required	Type	Description
compute_profile_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Compute profile identifier
compute_resource_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Compute resource identifier
compute_attribute	False	Hash	Compute attributes subcollection
compute_attribute[vm_attrs]	True	Hash	Compute attributes

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15.2. UPDATE A COMPUTE ATTRIBUTE

- **PUT**
`/api/v2/compute_resources/:compute_resource_id/compute_profiles/:compute_profile_id/compute_attributes/:id`
 Update a compute attribute
- **PUT**
`/api/v2/compute_profiles/:compute_profile_id/compute_resources/:compute_resource_id/compute_attributes/:id`
 Update a compute attribute
- **PUT**
`/api/v2/compute_resources/:compute_resource_id/compute_attributes/:id`
 Update a compute attribute
- **PUT** `/api/v2/compute_profiles/:compute_profile_id/compute_attributes/:id`
 Update a compute attribute
- **PUT** `/api/v2/compute_attributes/:id`
 Update a compute attribute.

Table 15.2. Parameters

Name	Required	Type	Description
id	True	String	Compute attribute identifier
compute_profile_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Compute profile identifier
compute_resource_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Compute resource identifier
compute_attribute	False	Hash	Compute attributes subcollection

Name	Required	Type	Description
<code>compute_attribute[vm_attrs]</code>	True	Hash	Compute attributes

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CHAPTER 16. COMPUTE PROFILES

16.1. LIST OF COMPUTE PROFILES

- **GET** `/api/v2/compute_profiles`

List of compute profiles

Table 16.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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16.2. SHOW A COMPUTE PROFILE

- **GET** `/api/v2/compute_profiles/:id`

Show a compute profile.

Table 16.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Compute profile identifier

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16.3. CREATE A COMPUTE PROFILE

- **POST** `/api/v2/compute_profiles`

Create a compute profile.

Table 16.3. Parameters

Name	Required	Type	Description
compute_profile	False	Hash	Compute profile subcollection
compute_profile[name]	True	String	Compute profile name

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16.4. UPDATE A COMPUTE PROFILE

- **PUT** /api/v2/compute_profiles/:id

Update a compute profile.

Table 16.4. Parameters

Name	Required	Type	Description
id	True	String	Compute profile identifier
compute_profile	False	Hash	Compute profile subcollection
compute_profile[name]	False	String	Compute profile name

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16.5. DELETE A COMPUTE PROFILE

- **DELETE** /api/v2/compute_profiles/:id

Delete a compute profile.

Table 16.5. Parameters

Name	Required	Type	Description
id	True	String	Compute profile identifier

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CHAPTER 17. COMPUTE RESOURCES

17.1. LIST ALL COMPUTE RESOURCES

- **GET** `/api/v2/compute_resources`

List all compute resources.

Table 17.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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17.2. SHOW AN COMPUTE RESOURCE

- **GET** `/api/v2/compute_resources/:id`

Show an compute resource.

Table 17.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Compute resource identifier

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17.3. CREATE A COMPUTE RESOURCE

- **POST** `/api/v2/compute_resources`

Create a compute resource.

Table 17.3. Parameters

Name	Required	Type	Description
compute_resource	False	Hash	Compute resource subcollection
compute_resource [name]	False	String	Compute resource name
compute_resource [provider]	False	String	Compute resource provider type. Providers include Libvirt , Ovirt , EC2 , Vmware , Openstack , Rackspace , and GCE .
compute_resource [url]	True	String	URL for Libvirt, RHEV (Ovirt), and Openstack providers
compute_resource [description]	False	String	Compute resource description
compute_resource [user]	False	String	Username for RHEV, EC2, Vmware, and Openstack providers. Access Key for EC2.
compute_resource [password]	False	String	Password for RHEV, EC2, Vmware, and Openstack providers. Secret key for EC2.
compute_resource [uuid]	False	String	Unique ID for the desired RHEV and Vmware data center
compute_resource [region]	False	String	The desired region for EC2 providers only
compute_resource [tenant]	False	String	The desired tenant for Openstack providers only
compute_resource [server]	False	String	The desired server for Vmware providers only

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17.4. UPDATE A COMPUTE RESOURCE

- **PUT** `/api/v2/compute_resources/:id`

Update a compute resource.

Table 17.4. Parameters

Name	Required	Type	Description
id	True	String	Compute resource identifier
compute_resource	False	Hash	Compute resource subcollection
compute_resource [name]	False	String	Compute resource name
compute_resource [provider]	False	String	Compute resource provider type. Providers include Libvirt , Ovirt , EC2 , Vmware , Openstack , Rackspace , and GCE .
compute_resource [url]	True	String	URL for Libvirt, RHEV (Ovirt), and Openstack providers
compute_resource [description]	False	String	Compute resource description
compute_resource [user]	False	String	Username for RHEV, EC2, Vmware, and Openstack providers. Access Key for EC2.
compute_resource [password]	False	String	Password for RHEV, EC2, Vmware, and Openstack providers. Secret key for EC2.
compute_resource [uuid]	False	String	Unique ID for the desired RHEV and Vmware data center
compute_resource [region]	False	String	The desired region for EC2 providers only
compute_resource [tenant]	False	String	The desired tenant for Openstack providers only
compute_resource [server]	False	String	The desired server for Vmware providers only

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17.5. DELETE A COMPUTE RESOURCE

- **DELETE** `/api/v2/compute_resources/:id`

Delete a compute resource.

Table 17.5. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Compute resource identifier

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17.6. LIST AVAILABLE IMAGES FOR A COMPUTE RESOURCE

- **GET** `/api/v2/compute_resources/:id/available_images`

List available images for a compute resource.

Table 17.6. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Compute resource identifier

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17.7. LIST AVAILABLE CLUSTERS FOR A COMPUTE RESOURCE

- **GET** `/api/v2/compute_resources/:id/available_clusters`

List available clusters for a compute resource

Table 17.7. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Compute resource identifier

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17.8. LIST AVAILABLE NETWORKS FOR A COMPUTE RESOURCE

- **GET** `/api/v2/compute_resources/:id/available_networks`

List available networks for a compute resource

- **GET** `/api/v2/compute_resources/:id/available_clusters/:cluster_id/available_networks`

List available networks for a compute resource cluster

Table 17.8. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Compute resource identifier
cluster_id	False	String	Cluster identifier on the compute resource

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17.9. LIST STORAGE DOMAINS FOR A COMPUTE RESOURCE

- **GET** `/api/v2/compute_resources/:id/available_storage_domains`

List storage domains for a compute resource

Table 17.9. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Compute resource identifier

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CHAPTER 18. CONFIG GROUPS

18.1. LIST OF CONFIG GROUPS

- **GET** `/api/v2/config_groups`

List of config groups

Table 18.1. Parameters

Name	Required	Type	Description
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.

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18.2. SHOW A CONFIG GROUP

- **GET** `/api/v2/config_groups/:id`

Show a config group.

Table 18.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Config group identifier

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18.3. CREATE A CONFIG GROUP

- **POST** `/api/v2/config_groups`

Create a config group.

Table 18.3. Parameters

Name	Required	Type	Description
config_group	False	Hash	Config group subcollection
config_group[name]	True	String	Config group name

[Report a bug](#)

18.4. UPDATE A CONFIG GROUP

- **PUT /api/v2/config_groups/:id**

Update a config group.

Table 18.4. Parameters

Name	Required	Type	Description
id	True	String	Config group identifier
config_group	False	Hash	Config group subcollection
config_group[name]	False	String	Config group name

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18.5. DELETE A CONFIG GROUP

- **DELETE /api/v2/config_groups/:id**

Delete a config group.

Table 18.5. Parameters

Name	Required	Type	Description
id	True	String	Config group identifier

[Report a bug](#)

CHAPTER 19. CONFIG TEMPLATES

19.1. LIST TEMPLATES

- **GET** `/api/v2/config_templates`

List templates

Table 19.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

[Report a bug](#)

19.2. SHOW TEMPLATE DETAILS

- **GET** `/api/v2/config_templates/:id`

Show template details

Table 19.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Config template identifier

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19.3. CREATE A TEMPLATE

- **POST** `/api/v2/config_templates`

Create a template

Table 19.3. Parameters

Name	Required	Type	Description
<code>config_template</code>	False	Hash	Config template subcollection
<code>config_template[name]</code>	True	String	Config template name
<code>config_template[template]</code>	True	String	Config template content
<code>config_template[snippet]</code>	False	Boolean	Set to true if the config template content is a snippet
<code>config_template[audit_comment]</code>	False	String	Audit comment for the config template
<code>config_template[template_kind_id]</code>	False	Number	The type of config template. Not required for snippets.
<code>config_template[template_combinations_attributes]</code>	False	Array	A list of attributes for template combinations. For example, hostgroup_id , environment_id .
<code>config_template[operatingsystem_ids]</code>	False	Array	List of operating system IDs associated with the template
<code>config_template[locked]</code>	False	Boolean	Defines if the template is locked from editing

[Report a bug](#)

19.4. UPDATE A TEMPLATE

- **PUT** `/api/v2/config_templates/:id`

Update a template

Table 19.4. Parameters

Name	Required	Type	Description
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Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Config template identifier
config_template	False	Hash	Config template subcollection
config_template[name]	False	String	Config template name
config_template[template]	False	String	Config template content
config_template[snippet]	False	Boolean	Set to true if the config template content is a snippet
config_template[audit_comment]	False	String	Audit comment for the config template
config_template[template_kind_id]	False	Number	The type of config template. Not required for snippets.
config_template[template_combinations_attributes]	False	Array	A list of attributes for template combinations. For example, hostgroup_id , environment_id .
config_template[operatingsystem_ids]	False	Array	List of operating system IDs associated with the template
config_template[locked]	False	Boolean	Defines if the template is locked from editing

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19.5. LIST REVISIONS FOR CONFIG TEMPLATES

- **GET /api/v2/config_templates/revision**

List revisions for config templates

Table 19.5. Parameters

Name	Required	Type	Description
version	False	String	The config template version

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19.6. DELETE A TEMPLATE

- **DELETE** `/api/v2/config_templates/:id`

Delete a template

Table 19.6. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Config template identifier

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19.7. CHANGE THE DEFAULT PXE MENU ON ALL CONFIGURED TFTP SERVERS

- **GET** `/api/v2/config_templates/build_pxe_default`

Change the default PXE menu on all configured TFTP servers

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CHAPTER 20. CONTENT UPLOADS

20.1. CREATE AN UPLOAD REQUEST

- **POST** `/katello/api/v2/repositories/:repo_id/content_uploads`

Create an upload request

Table 20.1. Parameters

Name	Required	Type	Description
repo_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Repository identifier

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20.2. UPLOAD PART OF A FILE'S CONTENT

- **PUT**
`/katello/api/v2/repositories/:repo_id/content_uploads/:id/upload_bits`

Upload bits

Table 20.2. Parameters

Name	Required	Type	Description
repo_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Repository identifier
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Upload request identifier
offset	True	Number	The offset at which Pulp stores the file contents

Name	Required	Type	Description
content	True	File	File contents

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20.3. DELETE AN UPLOAD REQUEST

- **DELETE** /katello/api/v2/repositories/:repo_id/content_uploads/:id

Delete an upload request

Table 20.3. Parameters

Name	Required	Type	Description
repo_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Repository identifier
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Upload request identifier

[Report a bug](#)

CHAPTER 21. CONTENT VIEW FILTER RULES

21.1. LIST FILTER RULES

- **GET** /katello/api/v2/content_view_filters/:content_view_filter_id/rules

List filter rules

Table 21.1. Parameters

Name	Required	Type	Description
content_view_filter_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Filter identifier

[Report a bug](#)

21.2. CREATE A FILTER RULE

- **POST** /katello/api/v2/content_view_filters/:content_view_filter_id/rules

Create a filter rule. The parameters included should be based upon the filter type.

Table 21.2. Parameters

Name	Required	Type	Description
content_view_filter_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Filter identifier
name	False	String	Name of the package or package group
version	False	String	Version of the package
min_version	False	String	Minimum version of the package
max_version	False	String	Maximum version of the package
errata_id	False	String	Erratum identifier

Name	Required	Type	Description
errata_ids	False	Array	List of erratum identifiers or a select all object
start_date	False	String	Erratum start date in YYYY-MM-DD format
end_date	False	String	Erratum end date in YYYY-MM-DD format
types	False	Array	Erratum types. Can be enhancement , bugfix , security .

[Report a bug](#)

21.3. SHOW FILTER RULE INFORMATION

- **GET**
`/katello/api/v2/content_view_filters/:content_view_filter_id/rules/:id`

Show filter rule information

Table 21.3. Parameters

Name	Required	Type	Description
content_view_filter_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Filter identifier
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Rule identifier

[Report a bug](#)

21.4. UPDATE A FILTER RULE

- **PUT**
`/katello/api/v2/content_view_filters/:content_view_filter_id/rules/:id`

Update a filter rule. The parameters included should be based upon the filter type.

Table 21.4. Parameters

Name	Required	Type	Description
content_view_filter_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Filter identifier
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Rule identifier
name	False	String	Name of package or package group
version	False	String	Version of package
min_version	False	String	Minimum version of package
max_version	False	String	Maximum version of package
errata_id	False	String	Erratum identifier
start_date	False	String	Erratum start date in YYYY-MM-DD format
end_date	False	String	Erratum end date in YYYY-MM-DD format
types	False	Array	Erratum types. Can be enhancement , bugfix , security .

[Report a bug](#)

21.5. DELETE A FILTER RULE

- **DELETE**
`/katello/api/v2/content_view_filters/:content_view_filter_id/rules/:id`

Delete a filter rule

Table 21.5. Parameters

Name	Required	Type	Description
content_view_filter_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Filter identifier
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Rule identifier

[Report a bug](#)

CHAPTER 22. CONTENT VIEW FILTERS

22.1. LIST FILTERS

- **GET** `/katello/api/v2/content_views/:content_view_id/filters`

List filters

- **GET** `/katello/api/v2/content_view_filters`

List filters

Table 22.1. Parameters

Name	Required	Type	Description
content_view_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier
name	False	String	Filter content view filters by name

[Report a bug](#)

22.2. CREATE A FILTER FOR A CONTENT VIEW

- **POST** `/katello/api/v2/content_views/:content_view_id/filters`

Create a filter for a content view

- **POST** `/katello/api/v2/content_view_filters`

Create a filter for a content view

Table 22.2. Parameters

Name	Required	Type	Description
content_view_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier
name	True	String	Name of the filter

Name	Required	Type	Description
type	True	String	Type of filter. Can be rpm , package_group , erratum
original_packages	False	Boolean	Add all packages without errata to the included/excluded list. (Package Filter only)
inclusion	False	Boolean	Specifies if content should be included or excluded. The default is false.
repository_ids	False	Array	List of Repository identifiers
description	False	String	Description of the filter

[Report a bug](#)

22.3. SHOW FILTER INFORMATION

- **GET /katello/api/v2/content_views/:content_view_id/filters/:id**

Show filter information

- **GET /katello/api/v2/content_view_filters/:id**

Show filter information

Table 22.3. Parameters

Name	Required	Type	Description
content_view_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Filter identifier

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22.4. UPDATE A FILTER

- **PUT** `/katello/api/v2/content_views/:content_view_id/filters/:id`

Update a filter

- **PUT** `/katello/api/v2/content_view_filters/:id`

Update a filter

Table 22.4. Parameters

Name	Required	Type	Description
content_view_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Filter identifier
name	False	String	Name for the filter
original_packages	False	Boolean	Add all packages without errata to the included/excluded list. (Package Filter only)
inclusion	False	Boolean	Specifies if content should be included or excluded. The default is false.
repository_ids	False	Array	List of Repository identifiers

[Report a bug](#)

22.5. DELETE A FILTER

- **DELETE** `/katello/api/v2/content_views/:content_view_id/filters/:id`

Delete a filter

- **DELETE** `/katello/api/v2/content_view_filters/:id`

Delete a filter

Table 22.5. Parameters

Name	Required	Type	Description
content_view_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Filter identifier

[Report a bug](#)

22.6. GET ERRATA AVAILABLE TO ADD TO FILTER

- **GET**
/katello/api/v2/content_views/:content_view_id/filters/:id/available_errata

Get errata that are available to be added to the filter

- **GET** **/katello/api/v2/content_view_filters/:id/available_errata**

Get errata that are available to be added to the filter

Table 22.6. Parameters

Name	Required	Type	Description
content_view_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Filter identifier
types	False	Must be an array of any type	Errata types array ['security', 'bugfix', 'enhancement']
start_date	False	Datetime	Start date that errata was issued on to the filter
end_date	False	Datetime	End date that Errata was issued on to the filter

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22.7. GET PACKAGE GROUPS AVAILABLE TO ADD TO FILTER

- **GET**
/katello/api/v2/content_views/:content_view_id/filters/:id/available_package_groups

Get package groups that are available to be added to the filter

- **GET** **/katello/api/v2/content_view_filters/:id/available_package_groups**

Get package groups that are available to be added to the filter

Table 22.7. Parameters

Name	Required	Type	Description
content_view_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Filter identifier

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CHAPTER 23. CONTENT VIEW PUPPET MODULES

23.1. LIST CONTENT VIEW PUPPET MODULES

- **GET**
/katello/api/v2/content_views/:content_view_id/content_view_puppet_modules

List content view puppet modules

Table 23.1. Parameters

Name	Required	Type	Description
content_view_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier
name	False	String	Name of the Puppet module
author	False	String	Author of the Puppet module
uuid	False	String	The UUID of the Puppet module to associate

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23.2. ADD A PUPPET MODULE TO THE CONTENT VIEW

- **POST**
/katello/api/v2/content_views/:content_view_id/content_view_puppet_modules

Add a puppet module to the content view

Table 23.2. Parameters

Name	Required	Type	Description
content_view_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier

Name	Required	Type	Description
name	False	String	Name of the puppet module
author	False	String	Author of the puppet module
uuid	False	String	UUID of the puppet module to associate

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23.3. SHOW A CONTENT VIEW PUPPET MODULE

- **GET**
`/katello/api/v2/content_views/:content_view_id/content_view_puppet_modules/:id`

Show a content view puppet module

Table 23.3. Parameters

Name	Required	Type	Description
content_view_id	True	Number	Content view identifier
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space.	puppet module ID

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23.4. UPDATE A PUPPET MODULE ASSOCIATED WITH CONTENT VIEW

- **PUT**
`/katello/api/v2/content_views/:content_view_id/content_view_puppet_modules/:id`

Update a puppet module associated with the content view

Table 23.4. Parameters

Name	Required	Type	Description
------	----------	------	-------------

Name	Required	Type	Description
content_view_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Puppet module identifier
name	False	String	Name of the puppet module
author	False	String	Author of the puppet module
uuid	False	String	UUID of the puppet module to associate

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23.5. REMOVE A PUPPET MODULE FROM THE CONTENT VIEW

- **DELETE**
`/katello/api/v2/content_views/:content_view_id/content_view_puppet_modules/:id`

Remove a puppet module from the content view

Table 23.5. Parameters

Name	Required	Type	Description
content_view_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Puppet module identifier

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CHAPTER 24. CONTENT VIEW VERSIONS

24.1. LIST CONTENT VIEW VERSIONS

- **GET** `/katello/api/v2/content_view_versions`

List content view versions

- **GET**
`/katello/api/v2/content_views/:content_view_id/content_view_versions`

List content view versions

Table 24.1. Parameters

Name	Required	Type	Description
content_view_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier

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24.2. SHOW CONTENT VIEW VERSION

- **GET** `/katello/api/v2/content_view_versions/:id`

Show content view version

Table 24.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view version identifier

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24.3. PROMOTE A CONTENT VIEW VERSION

- **POST** `/katello/api/v2/content_view_versions/:id/promote`

Promote a content view version

Table 24.3. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view version identifier
environment_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Environment identifier

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24.4. REMOVE CONTENT VIEW VERSION

- **DELETE** `/katello/api/v2/content_view_versions/:id`

Remove content view version

Table 24.4. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view version identifier

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CHAPTER 25. CONTENT VIEWS

25.1. LIST CONTENT VIEWS

- **GET /katello/api/v2/organizations/:organization_id/content_views**

List content views

- **GET /katello/api/v2/content_views**

List content views

Table 25.1. Parameters

Name	Required	Type	Description
organization_id	True	Number	Organization identifier
environment_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Environment identifier
nondefault	False	Boolean	Filter out default content views
noncomposite	False	boolean	Filter out composite content views
without	False	Must be an array of any type	Do not include this array of content views
name	False	String	Name of the content view

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25.2. CREATE A CONTENT VIEW

- **POST /katello/api/v2/organizations/:organization_id/content_views**

Create a content view

- **POST /katello/api/v2/content_views**

Create a content view

Table 25.2. Parameters

Name	Required	Type	Description
organization_id	True	Number	Organization identifier
name	True	String	Name of the content view
label	False	String	Content view label
composite	False	Boolean	Set to true if a composite content view
description	False	String	Description for the content view
repository_ids	False	Array	List of Repository identifiers
component_ids	False	Array	List of component content view version identifiers for composite views

[Report a bug](#)

25.3. UPDATE A CONTENT VIEW

- **PUT /katello/api/v2/content_views/:id**

Update a content view

Table 25.3. Parameters

Name	Required	Type	Description
id	True	Number	Content view identifier
name	False	String	Name for the content view
description	False	String	Description for the content view
repository_ids	False	Array	List of Repository identifiers
component_ids	False	Array	List of component content view version identifiers for composite views

[Report a bug](#)

25.4. PUBLISH A CONTENT VIEW

- **POST /katello/api/v2/content_views/:id/publish**

Publish a content view

Table 25.4. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier

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25.5. SHOW A CONTENT VIEW

- **GET** `/katello/api/v2/content_views/:id`

Show a content view

Table 25.5. Parameters

Name	Required	Type	Description
id	True	Number	Content view identifier

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25.6. GET PUPPET MODULES AVAILABLE TO ADD TO CONTENT VIEW

- **GET** `/katello/api/v2/content_views/:id/available_puppet_modules`

Get puppet modules that are available to be added to the content view

Table 25.6. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier
name	False	String	Module name to restrict modules

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25.7. GET PUPPET MODULES NAMES AVAILABLE TO ADD TO CONTENT VIEW

- **GET** `/katello/api/v2/content_views/:id/available_puppet_module_names`

Get puppet modules names that are available to be added to the content view

Table 25.7. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier

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25.8. SHOW A CONTENT VIEW'S HISTORY

- **GET** `/katello/api/v2/content_views/:id/history`

Show a content view's history

Table 25.8. Parameters

Name	Required	Type	Description
id	True	Number	Content view identifier

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25.9. REMOVE A CONTENT VIEW FROM AN ENVIRONMENT

- **DELETE** `/katello/api/v2/content_views/:id/environments/:environment_id`

Remove a content view from an environment

Table 25.9. Parameters

Name	Required	Type	Description
id	True	Number	Content view identifier
environment_id	True	Number	Environment identifier

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25.10. REMOVE VERSIONS AND ENVIRONMENTS FROM CONTENT VIEW AND REASSIGN SYSTEMS AND KEYS

- **PUT** `/katello/api/v2/content_views/:id/remove`

Remove versions and/or environments from a content view and reassign systems and keys

Table 25.10. Parameters

Name	Required	Type	Description
id	True	Number	Content view identifier
environment_ids	False	Number	Environment identifiers for removal
content_view_version_ids	False	Number	Content view version identifiers for removal
system_content_view_id	False	Number	Content view to reassign orphaned systems
system_environment_id	False	Number	Environment to reassign orphaned systems
key_content_view_id	False	Number	Content view to reassign orphaned activation keys
key_environment_id	False	Number	Environment to reassign orphaned activation keys

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25.11. DELETE A CONTENT VIEW

- **DELETE** `/katello/api/v2/content_views/:id`

Delete a content view

Table 25.11. Parameters

Name	Required	Type	Description
id	True	Number	Content view identifier

[Report a bug](#)

25.12. COPY A CONTENT VIEW

- **POST** `/katello/api/content_views/:id/copy`

Make copy of a content view

Table 25.12. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view numeric identifier
name	True	String	New content view name

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CHAPTER 26. CUSTOM INFORMATION

26.1. CREATE CUSTOM INFORMATION

- **POST** `/katello/api/v2/custom_info/:informable_type/:informable_id`

Create custom information

Table 26.1. Parameters

Name	Required	Type	Description
informable_type	True	String	Name of the resource
informable_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Resource identifier
custom_informati on	True	Hash	Custom information subcollection
custom_info[keyn ame]	True	String	Key to store custom information value
custom_info[val ue]	True	String	Custom information value to store

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26.2. UPDATE CUSTOM INFORMATION

- **PUT**
`/katello/api/v2/custom_info/:informable_type/:informable_id/:keyname`

Update custom information

Table 26.2. Parameters

Name	Required	Type	Description
informable_type	True	String	Name of the resource

Name	Required	Type	Description
informable_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Resource identifier
keyname	True	String	Key that stores custom information value
custom_informati on	True	Hash	Custom information subcollection
custom_info[valu e]	False	String	Custom information value to store

[Report a bug](#)

CHAPTER 27. DASHBOARD

27.1. GET DASHBOARD RESULTS

- `GET /api/v2/dashboard`

Get Dashboard results

Table 27.1. Parameters

Name	Required	Type	Description
<code>search</code>	False	String	Search string

[Report a bug](#)

CHAPTER 28. DISTRIBUTIONS

28.1. LIST DISTRIBUTIONS

- **GET** `/katello/api/v2/repositories/:repository_id/distributions`

List distributions

Table 28.1. Parameters

Name	Required	Type	Description
repository_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Repository identifier to list packages
search	False	String	Search string
page	False	Number	Page number, starting at 1
per_page	False	Number	Number of results per page to return
order	False	String	Sort field and order. For example, name DESC .
full_results	False	Boolean	Whether or not to show all results
sort	False	Hash	Hash version of order parameter
sort[by]	False	String	Field to use for sorting the results
sort[order]	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.

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28.2. SHOW A DISTRIBUTION

- **GET** `/katello/api/v2/repositories/:repository_id/distributions/:id`

Show a distribution

Table 28.2. Parameters

Name	Required	Type	Description
repository_id	False	Number	Repository identifier
id	False	String	Distribution identifier

[Report a bug](#)

CHAPTER 29. DOMAINS

29.1. LIST OF DOMAINS

- **GET** `/api/v2/domains`

List of domains

Table 29.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	Sort results
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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29.2. SHOW A DOMAIN

- **GET** `/api/v2/domains/:id`

Show a domain.

Table 29.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	The numerical identifier or domain name

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29.3. CREATE A DOMAIN

- **POST** `/api/v2/domains`

Create a domain.

Table 29.3. Parameters

Name	Required	Type	Description
domain	False	Hash	Domain subcollection
domain[name]	True	String	Full DNS domain name
domain[fullname]	False	String	Full name describing the domain
domain[dns_id]	False	Number	DNS proxy to use within this domain
domain[domain_parameters_attributes]	False	Array	list of parameters for the domain. Uses parameter name and value.

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29.4. UPDATE A DOMAIN

- **PUT** `/api/v2/domains/:id`

Update a domain.

Table 29.4. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Domain identifier
domain	False	Hash	Domain subcollection
domain[name]	False	String	Full DNS domain name
domain[fullname]	False	String	Full name describing the domain
domain[dns_id]	False	Number	DNS proxy to use within this domain
domain[domain_parameters_attributes]	False	Array	list of parameters for the domain. Uses parameter name and value.

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29.5. DELETE A DOMAIN

- **DELETE** `/api/v2/domains/:id`

Delete a domain.

Table 29.5. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Domain identifier

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CHAPTER 30. ENVIRONMENTS

30.1. IMPORT PUPPET CLASSES FROM PUPPET PROXY

- **POST** `/api/v2/smart_proxies/:smart_proxy_id/import_puppetclasses`

Import puppet classes from puppet proxy.

- **POST**
`/api/v2/smart_proxies/:smart_proxy_id/environments/:environment_id/import_puppetclasses`

Import puppet classes from puppet proxy for particular environment.

- **POST**
`/api/v2/environments/:environment_id/smart_proxies/:smart_proxy_id/import_puppetclasses`

Import puppet classes from puppet proxy for particular environment.

Table 30.1. Parameters

Name	Required	Type	Description
smart_proxy_id	False	String	Smart proxy identifier
environment_id	False	String	Environment identifier
dryrun	False	Boolean	Perform a test run of the import process without importing actual classes
except	False	String	Optional comma-delimited string containing either new , updated , obsolete used to limit the import_puppet_classes actions

[Report a bug](#)

30.2. LIST ALL ENVIRONMENTS

- **GET** `/api/v2/environments`

List all environments.

Table 30.2. Parameters

Name	Required	Type	Description
search	False	String	Search string

Name	Required	Type	Description
order	False	String	Sort results
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

[Report a bug](#)

30.3. SHOW AN ENVIRONMENT

- **GET /api/v2/environments/:id**

Show an environment.

Table 30.3. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Environment identifier

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30.4. CREATE AN ENVIRONMENT

- **POST /api/v2/environments**

Create an environment.

Table 30.4. Parameters

Name	Required	Type	Description
environment	False	Hash	environment subcollection
environment[name]	True	String	Environment name

[Report a bug](#)

30.5. UPDATE AN ENVIRONMENT

- **PUT** `/api/v2/environments/:id`

Update an environment.

Table 30.5. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Environment identifier
environment	False	Hash	Environment subcollection
environment[name]	False	String	Environment name

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30.6. DELETE AN ENVIRONMENT

- **DELETE** `/api/v2/environments/:id`

Delete an environment.

Table 30.6. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Environment identifier

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CHAPTER 31. ERRATA

31.1. LIST ERRATA

- **GET** `/katello/api/v2/errata`

List errata

- **GET** `/katello/api/v2/content_views/:content_view_id/filters/:filter_id/errata`

List errata

- **GET** `/katello/api/v2/content_view_filters/:content_view_filter_id/errata`

List errata

- **GET** `/katello/api/v2/repositories/:repository_id/errata`

List errata

Table 31.1. Parameters

Name	Required	Type	Description
content_view_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier
filter_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view filter identifier
content_view_filter_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view filter identifier
repository_id	True	Number	Repository identifier

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31.2. SHOW AN ERRATUM

- **GET** `/katello/api/v2/errata/:id`

Show an erratum

- **GET** `/katello/api/v2/repositories/:repository_id/errata/:id`

Show an erratum

Table 31.2. Parameters

Name	Required	Type	Description
repository_id	False	Number	Repository identifier
id	True	String	Erratum identifier

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CHAPTER 32. FACT VALUES

32.1. LIST ALL FACT VALUES

- **GET** `/api/v2/fact_values`

List all fact values.

- **GET** `/api/v2/hosts/:host_id/facts`

List all fact values of a given host.

Table 32.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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CHAPTER 33. FILTERS

33.1. LIST ALL FILTERS

- **GET** `/api/v2/filters`

List all filters.

Table 33.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	Sort results
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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33.2. SHOW A FILTER

- **GET** `/api/v2/filters/:id`

Show a filter.

Table 33.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Filter identifier

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33.3. CREATE A FILTER

- **POST** `/api/v2/filters`

Create a filter.

Table 33.3. Parameters

Name	Required	Type	Description
filter	True	Hash	Filter subcollection
filter[role_id]	True	String	Role identifier
filter[search]	False	String	Search string
filter[permission_ids]	False	Array	List of permissions
filter[organization_ids]	False	Array	List of organization identifiers
filter[location_ids]	False	Array	List of location identifiers

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33.4. UPDATE A FILTER

- **PUT /api/v2/filters/:id**

Update a filter.

Table 33.4. Parameters

Name	Required	Type	Description
id	True	String	Filter identifier
filter	True	Hash	Filter subcollection
filter[role_id]	False	String	Role identifier
filter[search]	False	String	Search string
filter[permission_ids]	False	Array	List of permissions
filter[organization_ids]	False	Array	List of organization identifiers
filter[location_ids]	False	Array	List of location identifiers

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33.5. DELETE A FILTER

- **DELETE** `/api/v2/filters/:id`

Delete a filter.

Table 33.5. Parameters

Name	Required	Type	Description
id	True	String	Filter identifier

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CHAPTER 34. FOREMAN TASKS

34.1. SHOW TASK DETAILS

- **GET** `/foreman_tasks/api/v2/tasks/:id`

Show task details

Table 34.1. Parameters

Name	Required	Type	Description
id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	UUID of the task

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34.2. LIST DYNFLOW TASKS FOR UUIDS

- **POST** `/foreman_tasks/api/v2/tasks/bulk_search`

List dynflow tasks for UUIDs

Table 34.2. Parameters

Name	Required	Type	Description
searches	False	Array of nested elements	List of UUIDs to search
searches[search_id]	False	String	Arbitrary value for client to identify the request parts with results. It is passed in the results to be able to pair the requests and responses properly.
searches[type]	False	Must be one of user , resource , or task	
searches[task_id]	False	String	In case : type = task , find the task by the UUID
searches[user_id]	False	String	In case : type = user , find tasks for the user

Name	Required	Type	Description
searches[resource_type]	False	String	In case :type = resource , find tasks for the resource type
searches[resource_type]	False	String	In case :type = 'resource' , what resource id we're searching the tasks for
searches[action_types]	False	String	Return tasks of given action type, e.g. ["Actions::Katello::Repository::Synchronize"]
searches[active_only]	False	Boolean	Search on for active tasks
searches[page]	False	String	Paginate results
searches[per_page]	False	String	Number of entries per request

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CHAPTER 35. GPG KEYS

35.1. LIST GPG KEYS

- **GET** /katello/api/v2/gpg_keys

List GPG keys

Table 35.1. Parameters

Name	Required	Type	Description
organization_id	True	Number	Organization identifier
name	False	String	Name of the GPG key
search	False	String	Search string
page	False	Number	Page number, starting at 1
per_page	False	Number	Number of results per page to return
order	False	String	Sort field and order. For example, name DESC .
full_results	False	Boolean	Whether or not to show all results
sort	False	Hash	Hash version of order parameter
sort[by]	False	String	Field to use for sorting the results
sort[order]	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.

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35.2. CREATE A GPG KEY

- **POST** /katello/api/v2/gpg_keys

Create a GPG key

Table 35.2. Parameters

Name	Required	Type	Description
organization_id	True	Number	Organization identifier

Name	Required	Type	Description
name	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	GPG key name
content	True	String	Public key content in DER encoding

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35.3. SHOW A GPG KEY

- **GET** /katello/api/v2/gpg_keys/:id

Show a GPG key

Table 35.3. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	GPG key identifier

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35.4. UPDATE A GPG KEY

- **PUT** /katello/api/v2/gpg_keys/:id

Update a GPG key

Table 35.4. Parameters

Name	Required	Type	Description
------	----------	------	-------------

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	GPG key identifier
name	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	GPG key name
content	False	String	public key block in DER encoding

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35.5. DESTROY A GPG KEY

- **DELETE** `/katello/api/v2/gpg_keys/:id`

Destroy a GPG key

Table 35.5. Parameters

Name	Required	Type	Description
id	True	Number	GPG key identifier

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35.6. UPLOAD GPG KEY CONTENTS

- **POST** `/katello/api/v2/gpg_keys/:id/content`

Upload GPG key contents

Table 35.6. Parameters

Name	Required	Type	Description
id	True	Number	GPG key identifier
content	True	File	File contents

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CHAPTER 36. HOME

36.1. SHOW AVAILABLE LINKS

- **GET /api**

Show available links.

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36.2. SHOW STATUS

- **GET /api/v2/status**

Show status.

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CHAPTER 37. HOST CLASSES

37.1. LIST ALL PUPPET CLASS IDS FOR HOST

- **GET** `/api/v2/hosts/:host_id/puppet_class_ids`

List all puppet class IDs for host

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37.2. ADD A PUPPET CLASS TO HOST

- **POST** `/api/v2/hosts/:host_id/puppet_class_ids`

Add a puppet class to host

Table 37.1. Parameters

Name	Required	Type	Description
<code>host_id</code>	True	String	Host identifier
<code>puppet_class_id</code>	True	String	Puppet class identifier

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37.3. REMOVE A PUPPET CLASS FROM HOST

- **DELETE** `/api/v2/hosts/:host_id/puppet_class_ids/:id`

Remove a puppet class from host

Table 37.2. Parameters

Name	Required	Type	Description
<code>host_id</code>	True	String	Host identifier
<code>id</code>	True	String	Puppet class identifier

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CHAPTER 38. HOST COLLECTION ERRATA

38.1. LIST ERRATA ASSOCIATED WITH HOST COLLECTION

- **GET**
`/katello/api/v2/organizations/:organization_id/host_collections/:host_collection_id/errata`

Get list of errata associated with the host collection

Table 38.1. Parameters

Name	Required	Type	Description
type	False	String	Filter errata by type. Must be one of: bugfix , enhancement , or security .

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38.2. INSTALL ERRATA REMOTELY

- **POST**
`/katello/api/v2/organizations/:organization_id/host_collections/:host_collection_id/errata`

Install errata remotely

Table 38.2. Parameters

Name	Required	Type	Description
errata_ids	True	Array	List of errata identifiers to install

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CHAPTER 39. HOST COLLECTION PACKAGES

39.1. INSTALL PACKAGES REMOTELY

- **POST**
`/katello/api/v2/organizations/:organization_id/host_collections/:host_collection_id/packages`

Install packages remotely

Table 39.1. Parameters

Name	Required	Type	Description
packages	False	Array	List of package names
groups	False	Array	List of package group names

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39.2. UPDATE PACKAGES REMOTELY

- **PUT**
`/katello/api/v2/organizations/:organization_id/host_collections/:host_collection_id/packages`

Update packages remotely

Table 39.2. Parameters

Name	Required	Type	Description
packages	False	Array	List of package names
groups	False	Array	List of package group names

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39.3. UNINSTALL PACKAGES REMOTELY

- **DELETE**
`/katello/api/v2/organizations/:organization_id/host_collections/:host_collection_id/packages`

Uninstall packages remotely

Table 39.3. Parameters

Name	Required	Type	Description
packages	False	Array	List of package names
groups	False	Array	List of package group names

[Report a bug](#)

CHAPTER 40. HOST COLLECTIONS

40.1. SHOW A HOST COLLECTION

- **GET** `/katello/api/v2/host_collections/:id`

Show a host collection

Table 40.1. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Host collection identifier

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40.2. LIST HOST COLLECTIONS

- **GET** `/katello/api/v2/host_collections`

List host collections

- **GET** `/katello/api/v2/organizations/:organization_id/host_collections`

List host collections

- **GET** `/katello/api/v2/activation_keys/:activation_key_id/host_collections`

List host collections

- **GET** `/katello/api/v2/systems/:system_id/host_collections`

List host collections

Table 40.2. Parameters

Name	Required	Type	Description
search	False	String	Search string
page	False	Number	Page number, starting at 1
per_page	False	Number	Number of results per page to return

Name	Required	Type	Description
order	False	String	Sort field and order. For example, name DESC .
full_results	False	Boolean	Whether or not to show all results
sort	False	Hash	Hash version of order parameter
sort[by]	False	String	Field to use for sorting the results
sort[order]	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
organization_id	True	Number	Organization identifier
name	False	String	Host collection name to use as a filter
activation_key_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Activation key identifier
system_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	System identifier

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40.3. CREATE A HOST COLLECTION

- **POST /katello/api/v2/host_collections**

Create a host collection

- **POST /katello/api/v2/organizations/:organization_id/host_collections**

Create a host collection

Table 40.3. Parameters

Name	Required	Type	Description
organization_id	True	Number	Organization identifier
name	True	String	Host collection name
system_ids	False	Array	List of system UUIDs to assign to the the host collection
description	False	String	Host collection description
max_content_hosts	False	Integer	Maximum number of content hosts in the host collection

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40.4. UPDATE A HOST COLLECTION

- **PUT /katello/api/v2/host_collections/:id**

Update a host collection

Table 40.4. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Host collection identifier
name	True	String	Host collection name
system_ids	False	Array	List of system UUIDs to assign to the host collection
description	False	String	Host collection description
max_content_hosts	False	Integer	Maximum number of content hosts in the host collection

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40.5. LIST CONTENT HOSTS IN THE HOST COLLECTION

- **GET /katello/api/v2/host_collections/:id/systems**

List content hosts in the host collection

Table 40.5. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Host collection identifier

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40.6. ADD SYSTEMS TO THE HOST COLLECTION

- **PUT /katello/api/v2/host_collections/:id/add_systems**

Add systems to the host collection

Table 40.6. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Host collection identifier
system_ids	False	Array	List of system UUIDs

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40.7. REMOVE SYSTEMS FROM THE HOST COLLECTION

- **PUT /katello/api/v2/host_collections/:id/remove_systems**

Remove systems from the host collection

Table 40.7. Parameters

Name	Required	Type	Description
------	----------	------	-------------

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Host collection identifiers
system_ids	False	Array	List of system IDs to remove

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40.8. DESTROY A HOST COLLECTION

- **DELETE** `/katello/api/v2/host_collections/:id`

Destroy a host collection

Table 40.8. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Host collection identifier

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40.9. DESTROY A HOST COLLECTION AND CONTAINED SYSTEMS

- **DELETE** `/katello/api/v2/host_collections/:id/destroy_systems`

Destroy a host collection nad contained systems

Table 40.9. Parameters

Name	Required	Type	Description
------	----------	------	-------------

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Host collection identifier

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40.10. COPY A HOST COLLECTION

- **POST** `/katello/api/v2/host_collections/:id/copy`

Make a copy of a host collection

Table 40.10. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Host collection identifier
name	True	String	New host collection name

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CHAPTER 41. HOSTGROUP CLASSES

41.1. LIST ALL PUPPET CLASS IDS FOR HOSTGROUP

- **GET** `/api/v2/hostgroups/:hostgroup_id/puppet_class_ids`

List all puppet class IDs for hostgroup

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41.2. ADD A PUPPET CLASS TO HOSTGROUP

- **POST** `/api/v2/hostgroups/:hostgroup_id/puppet_class_ids`

Add a puppet class to hostgroup

Table 41.1. Parameters

Name	Required	Type	Description
<code>hostgroup_id</code>	True	String	Hostgroup identifier
<code>puppet_class_id</code>	True	String	Puppet class identifiers

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41.3. REMOVE A PUPPET CLASS FROM HOSTGROUP

- **DELETE** `/api/v2/hostgroups/:hostgroup_id/puppet_class_ids/:id`

Remove a puppet class from hostgroup

Table 41.2. Parameters

Name	Required	Type	Description
<code>hostgroup_id</code>	True	String	Hostgroup identifier
<code>id</code>	True	String	Puppet class identifiers

[Report a bug](#)

CHAPTER 42. HOSTGROUPS

42.1. LIST ALL HOSTGROUPS

- **GET** `/api/v2/hostgroups`

List all hostgroups.

Table 42.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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42.2. SHOW A HOSTGROUP

- **GET** `/api/v2/hostgroups/:id`

Show a hostgroup.

Table 42.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Hostgroup identifier

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42.3. CREATE A HOSTGROUP

- **POST** `/api/v2/hostgroups`

Create an hostgroup.

Table 42.3. Parameters

Name	Required	Type	Description
hostgroup	False	Hash	Hostgroup subcollection
hostgroup[name]	True	String	Hostgroup name
hostgroup[parent_id]	False	Number	Parent identifier if defining a subhostgroup
hostgroup[environment_id]	False	Number	Environment identifier
hostgroup[operatingsystem_id]	False	Number	Operating System identifier
hostgroup[architecture_id]	False	Number	Architecture identifier
hostgroup[medium_id]	False	Number	Medium identifier
hostgroup[ptable_id]	False	Number	Partition table identifier
hostgroup[puppet_ca_proxy_id]	False	Number	Puppet CA proxy identifier
hostgroup[subnet_id]	False	Number	Subnet identifier
hostgroup[domain_id]	False	Number	Domain identifier
hostgroup[realm_id]	False	Number	Realm identifier
hostgroup[puppet_proxy_id]	False	Number	Puppet proxy identifier

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42.4. UPDATE AN HOSTGROUP

- **PUT /api/v2/hostgroups/:id**

Update a hostgroup.

Table 42.4. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Hostgroup identifier
hostgroup	False	Hash	Hostgroup subcollection
hostgroup[name]	True	String	Hostgroup name
hostgroup[parent_id]	False	Number	Parent identifier if defining a subhostgroup
hostgroup[environment_id]	False	Number	Environment identifier
hostgroup[operatingsystem_id]	False	Number	Operating System identifier
hostgroup[architecture_id]	False	Number	Architecture identifier
hostgroup[medium_id]	False	Number	Medium identifier
hostgroup[ptable_id]	False	Number	Partition table identifier
hostgroup[puppet_ca_proxy_id]	False	Number	Puppet CA proxy identifier
hostgroup[subnet_id]	False	Number	Subnet identifier
hostgroup[domain_id]	False	Number	Domain identifier
hostgroup[realm_id]	False	Number	Realm identifier
hostgroup[puppet_proxy_id]	False	Number	Puppet proxy identifier

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42.5. DELETE AN HOSTGROUP

- **DELETE** `/api/v2/hostgroups/:id`

Delete an hostgroup.

Table 42.5. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Hostgroup identifier

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CHAPTER 43. HOSTS

43.1. LIST ALL HOSTS

- **GET** `/api/v2/hosts`

List all hosts.

Table 43.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	Sort results
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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43.2. SHOW A HOST

- **GET** `/api/v2/hosts/:id`

Show a host.

Table 43.2. Parameters

Name	Required	Type	Description
id	True	String from 1 to 128 characters containing only alphanumeric characters, periods, spaces, underscores, and hypens but with no leading or trailing space	Host identifier

[Report a bug](#)

43.3. CREATE A HOST

- **POST** `/api/v2/hosts`

Create a host.

Table 43.3. Parameters

Name	Required	Type	Description
host	False	Hash	Host subcollection
host[name]	True	String	Host name
host[environment_id]	False	String	Environment identifier
host[ip]	False	String	Host IP address. Not required if using a subnet with DHCP proxy.
host[mac]	False	String	Host MAC address. Not required if host is a virtual machine.
host[architecture_id]	False	Number	Host architecture identifier.
host[domain_id]	False	Number	Host domain identifier
host[realm_id]	False	Number	Host realm identifier
host[puppet_proxy_id]	False	Number	Host Puppet Proxy identifier
host[puppet_classes_ids]	False	Array	List of Puppet Class identifiers
host[operatingsystem_id]	False	String	Host operating System identifier
host[medium_id]	False	Number	Host medium identifier
host[ptable_id]	False	Number	Host partition table identifier
host[subnet_id]	False	Number	Host subnet identifier
host[compute_resource_id]	False	Number	Host compute resource identifier
host[sp_subnet_id]	False	Number	The subnet identifier to use for the host's service processor on the baseboard management controller
host[model_id]	False	Number	Host's model identifier
host[hostgroup_id]	False	Number	Host's hostgroup identifier

Name	Required	Type	Description
<code>host[owner_id]</code>	False	Number	Host's owner identifier
<code>host[puppet_ca_proxy_id]</code>	False	Number	Host's Puppet certificate authority identifier
<code>host[image_id]</code>	False	Number	Host's image identifier
<code>host[host_parameters_attributes]</code>	False	Array	List of parameter attributes for the host
<code>host[build]</code>	False	Boolean	Enables build mode for the host
<code>host[enabled]</code>	False	Boolean	Defines if the host is included within reporting
<code>host[provision_method]</code>	False	String	Defines the provisioning method to use. Either build or image .
<code>host[managed]</code>	False	Boolean	Defines if Satellite manages the host's build cycle.
<code>host[progress_report_id]</code>	False	String	Progress report identifier to track orchestration tasks status
<code>host[capabilities]</code>	False	String	Capabilities of compute resources for host
<code>host[compute_profile_id]</code>	False	Number	Compute profile identifier
<code>host[compute_attributes]</code>	False	Hash	Subcollection of compute attributes

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43.4. UPDATE A HOST

- **PUT** `/api/v2/hosts/:id`

Update a host.

Table 43.4. Parameters

Name	Required	Type	Description
------	----------	------	-------------

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Host identifier
host	False	Hash	Host subcollection
host[name]	True	String	Host name
host[environment_id]	False	String	Environment identifier
host[ip]	False	String	Host IP address. Not required if using a subnet with DHCP proxy.
host[mac]	False	String	Host MAC address. Not required if host is a virtual machine.
host[architecture_id]	False	Number	Host architecture identifier.
host[domain_id]	False	Number	Host domain identifier
host[realm_id]	False	Number	Host realm identifier
host[puppet_proxy_id]	False	Number	Host Puppet Proxy identifier
host[puppet_classes_ids]	False	Array	List of Puppet Class identifiers
host[operatingsystem_id]	False	String	Host operating System identifier
host[medium_id]	False	Number	Host medium identifier
host[ptable_id]	False	Number	Host partition table identifier
host[subnet_id]	False	Number	Host subnet identifier
host[compute_resource_id]	False	Number	Host compute resource identifier

Name	Required	Type	Description
<code>host[sp_subnet_id]</code>	False	Number	The subnet identifier to use for the host's service processor on the baseboard management controller
<code>host[model_id]</code>	False	Number	Host's model identifier
<code>host[hostgroup_id]</code>	False	Number	Host's hostgroup identifier
<code>host[owner_id]</code>	False	Number	Host's owner identifier
<code>host[puppet_ca_proxy_id]</code>	False	Number	Host's Puppet certificate authority identifier
<code>host[image_id]</code>	False	Number	Host's image identifier
<code>host[host_parameters_attributes]</code>	False	Array	List of parameter attributes for the host
<code>host[build]</code>	False	Boolean	Enables build mode for the host
<code>host[enabled]</code>	False	Boolean	Defines if the host is included within reporting
<code>host[provision_method]</code>	False	String	Defines the provisioning method to use. Either build or image .
<code>host[managed]</code>	False	Boolean	Defines if Satellite manages the host's build cycle.
<code>host[progress_report_id]</code>	False	String	Progress report identifier to track orchestration tasks status
<code>host[capabilities]</code>	False	String	Capabilities of compute resources for host
<code>host[compute_profile_id]</code>	False	Number	Compute profile identifier
<code>host[compute_attributes]</code>	False	Hash	Subcollection of compute attributes

[Report a bug](#)

43.5. DELETE AN HOST

- **DELETE** `/api/v2/hosts/:id`

Delete an host.

Table 43.5. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Host identifier

[Report a bug](#)

43.6. GET STATUS OF HOST

- GET /api/v2/hosts/:id/status

Get status of host

Table 43.6. Parameters

Name	Required	Type	Description
id	True	String from 1 to 128 characters containing only alphanumeric characters, periods, spaces, underscores, and hypens but with no leading or trailing space	Host identifier

[Report a bug](#)

43.7. FORCE A PUPPET RUN ON THE AGENT

- PUT /api/v2/hosts/:id/puppetrun

Force a puppet run on the agent.

Table 43.7. Parameters

Name	Required	Type	Description
------	----------	------	-------------

Name	Required	Type	Description
id	True	String from 1 to 128 characters containing only alphanumeric characters, periods, spaces, underscores, and hypens but with no leading or trailing space	Host identifier

[Report a bug](#)

43.8. RUN POWER OPERATION ON HOST

- **PUT** `/api/v2/hosts/:id/power`

Run power operation on host.

Table 43.8. Parameters

Name	Required	Type	Description
id	True	String from 1 to 128 characters containing only alphanumeric characters, periods, spaces, underscores, and hypens but with no leading or trailing space	Host identifier
power_action	True	String	Power action to run. Valid actions are: <ul style="list-style-type: none"> • Start the Host: on or start • Stop the Host: off, poweroff or stop • Soft reboot the Host: soft or reboot • Power cycle the Host: cycle or reset • Report status of the Host: state or status

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43.9. BOOT HOST FROM SPECIFIED DEVICE

- **PUT** `/api/v2/hosts/:id/boot`

Boot host from specified device.

Table 43.9. Parameters

Name	Required	Type	Description
id	True	String from 1 to 128 characters containing only alphanumeric characters, periods, spaces, underscores, and hypens but with no leading or trailing space	Host identifier
device	True	String	Boot device. Valid devices are: disk , cdrom , pxe , and bios

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43.10. UPLOAD FACTS FOR A HOST

- **POST** `/api/v2/hosts/facts`

Upload facts for a host, creating the host if required.

Table 43.10. Parameters

Name	Required	Type	Description
name	True	String	Hostname of the host
facts	True	Hash	Subcollection containing the facts for the host. Structure facts in a key: value format.
certname	False	String	Certname of the host
type	False	String	The STI type of host to create

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CHAPTER 44. IMAGES

44.1. LIST ALL IMAGES FOR COMPUTE RESOURCE

- **GET** `/api/v2/compute_resources/:compute_resource_id/images`

List all images for compute resource

Table 44.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return
compute_resource_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Compute resource identifier

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44.2. SHOW AN IMAGE

- **GET** `/api/v2/compute_resources/:compute_resource_id/images/:id`

Show an image

Table 44.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Image identifier

Name	Required	Type	Description
compute_resource_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Compute resource identifier

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44.3. CREATE A IMAGE

- **POST** /api/v2/compute_resources/:compute_resource_id/images

Create a image

Table 44.3. Parameters

Name	Required	Type	Description
compute_resource_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Compute resource identifier
image	False	Hash	Image subcollection
image[name]	True	String	Image name
image[username]	True	String	Image root username
image[uuid]	True	String	Image UUID. For example, Amazon EC2 uses the format ami-XXXXXXX .
image[compute_resource_id]	True	Number	Compute resource identifier
image[architecture_id]	True	Number	Architecture identifier
image[operatingsystem_id]	True	Number	Operating System identifier

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44.4. UPDATE A IMAGE

- **PUT** `/api/v2/compute_resources/:compute_resource_id/images/:id`

Update a image.

Table 44.4. Parameters

Name	Required	Type	Description
compute_resource_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Compute resource identifier
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Image identifier
image	False	Hash	Image subcollection
image[name]	False	String	Image name
image[username]	False	String	Image root username
image[uuid]	False	String	Image UUID. For example, Amazon EC2 uses the format ami-XXXXXXX .
image[compute_resource_id]	True	Number	Compute resource identifier
image[architecture_id]	True	Number	Architecture identifier
image[operatingsystem_id]	True	Number	Operating System identifier

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44.5. DELETE AN IMAGE

- **DELETE** `/api/v2/compute_resources/:compute_resource_id/images/:id`

Delete an image.

Table 44.5. Parameters

Name	Required	Type	Description
compute_resource_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Compute resource identifier
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Image identifier

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CHAPTER 45. INTERFACES

45.1. LIST ALL INTERFACES FOR HOST

- **GET** `/api/v2/hosts/:host_id/interfaces`

List all interfaces for host

Table 45.1. Parameters

Name	Required	Type	Description
host_id	True	String	ID or name of host

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45.2. SHOW AN INTERFACE FOR HOST

- **GET** `/api/v2/hosts/:host_id/interfaces/:id`

Show an interface for host

Table 45.2. Parameters

Name	Required	Type	Description
host_id	True	String	ID or name of nested host
id	True	String	ID or name of interface

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45.3. CREATE AN INTERFACE LINKED TO A HOST

- **POST** `/api/v2/hosts/:host_id/interfaces`

Create an interface linked to a host

Table 45.3. Parameters

Name	Required	Type	Description
host_id	True	String	ID or name of host
interface	False	Hash	Interface subcollection
interface[mac]	True	String	MAC address of interface
interface[ip]	True	String	IP address of interface

Name	Required	Type	Description
interface[type]	True	String	Interface type. For example, BMC or Interface .
interface[name]	True	String	Interface name
interface[subnet_id]	False	Fixnum	Subnet identifier of interface
interface[domain_id]	False	Fixnum	Domain identifier of interface
interface[username]	False	String	Interface username
interface[password]	False	String	Interface password
interface[provider]	False	String	Interface provider. For example, IPMI.

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45.4. UPDATE HOST INTERFACE

- **PUT /api/v2/hosts/:host_id/interfaces/:id**

Update host interface

Table 45.4. Parameters

Name	Required	Type	Description
host_id	True	String	ID or name of host
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Interface identifier
interface	False	Hash	Interface subcollection
interface[mac]	True	String	MAC address of interface

Name	Required	Type	Description
interface[ip]	True	String	IP address of interface
interface[type]	True	String	Interface type. For example, BMC or Interface .
interface[name]	True	String	Interface name
interface[subnet_id]	False	Fixnum	Subnet identifier of interface
interface[domain_id]	False	Fixnum	Domain identifier of interface
interface[username]	False	String	Interface username
interface[password]	False	String	Interface password
interface[provider]	False	String	Interface provider. For example, IPMI.

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45.5. DELETE A HOST INTERFACE

- **DELETE** /api/v2/hosts/:host_id/interfaces/:id

Delete a host interface

Table 45.5. Parameters

Name	Required	Type	Description
host_id	True	String	ID or name of host
id	True	String	Interface identifier

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CHAPTER 46. LIFECYCLE ENVIRONMENTS

46.1. LIST ENVIRONMENTS IN AN ORGANIZATION

- **GET** `/katello/api/v2/environments`

List environments in an organization

- **GET** `/katello/api/v2/organizations/:organization_id/environments`

List environments in an organization

Table 46.1. Parameters

Name	Required	Type	Description
organization_id	True	Number	Organization identifier
library	False	Must be one of: true, false.	Set to true to see only library environments
name	False	String	Filter only environments containing this name

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46.2. SHOW AN ENVIRONMENT

- **GET** `/katello/api/v2/environments/:id`

Show an environment

- **GET**
`/katello/api/v2/organizations/:organization_id/environments/:environment_id`

Show an environment

Table 46.2. Parameters

Name	Required	Type	Description
id	True	Number	Environment identifier
organization_id	False	Number	Organization identifier

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46.3. CREATE AN ENVIRONMENT

- **POST /katello/api/v2/environments**

Create an environment

- **POST /katello/api/v2/organizations/:organization_id/environments**

Create an environment in an organization

Table 46.3. Parameters

Name	Required	Type	Description
organization_id	True	Number	Organization identifier
name	True	String	Environment identifier
description	False	String	Description of the environment
prior	True	String	Name of an environment prior to the new environment in the chain. Must be either Library or an environment at the end of a chain.

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46.4. UPDATE AN ENVIRONMENT

- **PUT /katello/api/v2/environments/:id**

Update an environment

- **PUT /katello/api/v2/organizations/:organization_id/environments/:id**

Update an environment in an organization

Table 46.4. Parameters

Name	Required	Type	Description
id	True	Number	Environment identifier
organization_id	False	Number	Organization identifier
new_name	False	String	New name for the environment
description	False	String	Description of the environment
prior	False	String	Name of an environment prior to the new environment in the chain. Must be either Library or an environment at the end of a chain.

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46.5. DESTROY AN ENVIRONMENT

- **DELETE** `/katello/api/v2/environments/:id`

Destroy an environment

- **DELETE** `/katello/api/v2/organizations/:organization_id/environments/:id`

Destroy an environment in an organization

Table 46.5. Parameters

Name	Required	Type	Description
id	True	Number	Environment identifier
organization_id	False	Number	Organization identifier

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46.6. LIST ENVIRONMENT PATHS

- **GET** `/katello/api/v2/organizations/:organization_id/environments/paths`

List environment paths

Table 46.6. Parameters

Name	Required	Type	Description
organization_id	False	Number	Organization identifier
permission_type	False	String	The associated permission type, either readable or promotable . The default is readable .

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46.7. LIST REPOSITORIES AVAILABLE IN THE ENVIRONMENT

- **GET**
`/katello/api/v2/organizations/:organization_id/environments/:id/repositories`

List repositories available in the environment

Table 46.7. Parameters

Name	Required	Type	Description
id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Environment identifier
organization_id	False	String	Organization identifier
content_view_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier

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CHAPTER 47. LOCATIONS

47.1. LIST ALL LOCATIONS

- **GET** `/api/v2/locations`

List all locations

Table 47.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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47.2. SHOW A LOCATION

- **GET** `/api/v2/locations/:id`

Show a location

Table 47.2. Parameters

Name	Required	Type	Description
id	True	Number	Location identifier

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47.3. CREATE A LOCATION

- **POST** `/api/v2/locations`

Create a location

Table 47.3. Parameters

Name	Required	Type	Description
location	False	Hash	Location subcollection

Name	Required	Type	Description
location[name]	True	String	Location name

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47.4. UPDATE A LOCATION

- **PUT** `/api/v2/locations/:id`

Update a location

Table 47.4. Parameters

Name	Required	Type	Description
id	True	Number	Location identifier
location	False	Hash	Location subcollection
location[name]	False	String	Location name

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47.5. DELETE A LOCATION

- **DELETE** `/api/v2/locations/:id`

Delete a location

Table 47.5. Parameters

Name	Required	Type	Description
id	True	Number	Location identifier

[Report a bug](#)

CHAPTER 48. MEDIA

48.1. LIST ALL MEDIA

- **GET** `/api/v2/media`

List all media.

Table 48.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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48.2. SHOW A MEDIUM

- **GET** `/api/v2/media/:id`

Show a medium.

Table 48.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Media identifier

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48.3. CREATE A MEDIUM

- **POST** `/api/v2/media`

Create a medium.

Table 48.3. Parameters

Name	Required	Type	Description
<code>medium</code>	False	Hash	Media subcollection
<code>medium[name]</code>	True	String	Name of media
<code>medium[path]</code>	True	String	The path to the media source. This can be a URL or a valid NFS server. For example <code>www.redhat.com/redhat/\$version/os/\$arch</code> where \$arch will be substituted for the host's actual Operating System architecture and \$version , \$major , and \$minor are substituted for the version of the operating system. Some media might also use \$release .
<code>medium[os_family]</code>	False	String	The family that the operating system belongs to. Available families include AIX , Archlinux , Debian , Freebsd , Gentoo , Junos , Redhat , Solaris , Suse , and Windows .
<code>medium[operating_system_ids]</code>	False	Array	Operating System identifier

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48.4. UPDATE A MEDIUM

- **PUT** `/api/v2/media/:id`

Update a medium.

Table 48.4. Parameters

Name	Required	Type	Description
<code>id</code>	True	String	Media identifier
<code>medium</code>	False	Hash	Media subcollection
<code>medium[name]</code>	True	String	Name of media

Name	Required	Type	Description
medium[path]	True	String	The path to the media source. This can be a URL or a valid NFS server. For example <code>www.redhat.com/redhat/\$version/os/\$arch</code> where \$arch will be substituted for the host's actual Operating System architecture and \$version , \$major , and \$minor are substituted for the version of the operating system. Some media might also use \$release .
medium[os_family]	False	String	The family that the operating system belongs to. Available families include AIX , Archlinux , Debian , Freebsd , Gentoo , Junos , Redhat , Solaris , Suse , and Windows .
medium[operating_system_ids]	False	Array	Operating System identifier

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48.5. DELETE A MEDIUM

- **DELETE** `/api/v2/media/:id`

Delete a medium.

Table 48.5. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Media identifier

[Report a bug](#)

CHAPTER 49. MODELS

49.1. LIST ALL MODELS

- **GET** `/api/v2/models`

List all models.

Table 49.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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49.2. SHOW A MODEL

- **GET** `/api/v2/models/:id`

Show a model.

Table 49.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Model identifier

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49.3. CREATE A MODEL

- **POST** `/api/v2/models`

Create a model.

Table 49.3. Parameters

Name	Required	Type	Description
<code>model</code>	False	Hash	model subcollection
<code>model[name]</code>	True	String	Model name
<code>model[info]</code>	False	String	Model information
<code>model[vendor_class]</code>	False	String	Vendor class of the model
<code>model[hardware_model]</code>	False	String	Hardware model

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49.4. UPDATE A MODEL

- **PUT** `/api/v2/models/:id`

Update a model.

Table 49.4. Parameters

Name	Required	Type	Description
<code>id</code>	True	String	Model identifier
<code>model</code>	False	Hash	model subcollection
<code>model[name]</code>	True	String	Model name
<code>model[info]</code>	False	String	Model information
<code>model[vendor_class]</code>	False	String	Vendor class of the model
<code>model[hardware_model]</code>	False	String	Hardware model

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49.5. DELETE A MODEL

- **DELETE** `/api/v2/models/:id`

Delete a model.

Table 49.5. Parameters

Name	Required	Type	Description
id	True	String	Model identifier

[Report a bug](#)

CHAPTER 50. OPERATING SYSTEMS

50.1. LIST ALL OPERATING SYSTEMS

- **GET** `/api/v2/operatingsystems`

List all operating systems.

Table 50.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

[Report a bug](#)

50.2. SHOW AN OPERATING SYSTEM

- **GET** `/api/v2/operatingsystems/:id`

Show an Operating System.

Table 50.2. Parameters

Name	Required	Type	Description
id	True	String	Operating System identifier

[Report a bug](#)

50.3. CREATE AN OPERATING SYSTEM

- **POST** `/api/v2/operatingsystems`

Create an Operating System.

Table 50.3. Parameters

Name	Required	Type	Description
operatingsystem	False	Hash	Operating system subcollection

Name	Required	Type	Description
operatingsystem[name]	True	Must match regular expression <code>^A(\S+)\Z/</code> .	Operating system name
operatingsystem[major]	True	String	Major version value of the operating system
operatingsystem[minor]	False	String	Minor version value of the operating system
operatingsystem[description]	False	String	Operating system description
operatingsystem[family]	False	String	Operating system family
operatingsystem[release_name]	False	String	Operating system release name

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50.4. UPDATE AN OPERATING SYSTEM

- **PUT** `/api/v2/operatingsystems/:id`

Update an Operating System.

Table 50.4. Parameters

Name	Required	Type	Description
id	True	String	Operating System identifier
operatingsystem	False	Hash	Operating system subcollection
operatingsystem[name]	True	Must match regular expression <code>^A(\S+)\Z/</code> .	Operating system name
operatingsystem[major]	True	String	Major version value of the operating system
operatingsystem[minor]	False	String	Minor version value of the operating system
operatingsystem[description]	False	String	Operating system description

Name	Required	Type	Description
operatingsystem[family]	False	String	Operating system family
operatingsystem[release_name]	False	String	Operating system release name

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50.5. DELETE AN OPERATING SYSTEM

- **DELETE** `/api/v2/operatingsystems/:id`

Delete an Operating System.

Table 50.5. Parameters

Name	Required	Type	Description
id	True	String	Operating System identifier

[Report a bug](#)

50.6. LIST BOOT FILES AN OPERATING SYSTEM

- **GET** `/api/v2/operatingsystems/:id/bootfiles`

List boot files an Operating System.

Table 50.6. Parameters

Name	Required	Type	Description
id	True	String	Operating System identifier
medium	False	String	Medium type
architecture	False	String	Architecture type

[Report a bug](#)

CHAPTER 51. ORGANIZATION DEFAULT INFORMATION

51.1. CREATE DEFAULT INFORMATION

- **POST**
`/katello/api/v2/organizations/:organization_id/default_info/:informable_type`

Create default information

Table 51.1. Parameters

Name	Required	Type	Description
informable_type	True	String	Name of the resource
informable_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Resource identifier
default_informat ion	True	Hash	Default information subcollection
default_info[key name]	True	String	Key name for the default value

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CHAPTER 52. ORGANIZATIONS

52.1. LIST ALL ORGANIZATIONS

- **GET** `/katello/api/v2/organizations`

List all organizations

Table 52.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
page	False	Number	Page number, starting at 1
per_page	False	Number	Number of results per page to return
order	False	String	Sort field and order. For example, name DESC .
full_results	False	Boolean	Whether or not to show all results
sort	False	Hash	Hash version of order parameter
sort[by]	False	String	Field to use for sorting the results
sort[order]	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.

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52.2. SHOW ORGANIZATION

- **GET** `/katello/api/v2/organizations/:id`

Show organization

Table 52.2. Parameters

Name	Required	Type	Description
id	False	String	Organization identifier

[Report a bug](#)

52.3. UPDATE ORGANIZATION

- **PUT /katello/api/v2/organizations/:id**

Update organization

Table 52.3. Parameters

Name	Required	Type	Description
id	False	String	Organization identifier
description	False	String	Plain text description
redhat_repositor y_url	False	String	Red Hat CDN URL

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52.4. CREATE ORGANIZATION

- **POST /katello/api/v2/organizations**

Create organization

Table 52.4. Parameters

Name	Required	Type	Description
name	True	String	Plain text name
label	False	String	Unique label for the organization
description	False	String	Plain text description

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52.5. DELETE AN ORGANIZATION

- **DELETE /katello/api/v2/organizations/:id**

Delete an organization

Table 52.5. Parameters

Name	Required	Type	Description
id	False	String	Organization identifier

[Report a bug](#)

52.6. DISCOVER REPOSITORIES

- **PUT /katello/api/v2/organizations/:id/repo_discover**

Discover Repositories

Table 52.6. Parameters

Name	Required	Type	Description
id	False	String	Organization identifier, label, or name
url	False	String	Base URL to perform repository discovery

[Report a bug](#)

52.7. CANCEL REPOSITORY DISCOVERY

- **PUT /katello/api/v2/organizations/:label/cancel_repo_discover**

Cancel repository discovery

Table 52.7. Parameters

Name	Required	Type	Description
label	False	String	Organization label
url	False	String	Base URL to perform repository discovery

[Report a bug](#)

52.8. DOWNLOAD A DEBUG CERTIFICATE

- **GET /katello/api/v2/organizations/:label/download_debug_certificate**

Download a debug certificate

Table 52.8. Parameters

Name	Required	Type	Description
label	False	String	Organization label

[Report a bug](#)

52.9. AUTO-ATTACH AVAILABLE SUBSCRIPTIONS TO ALL SYSTEMS WITHIN AN ORGANIZATION

- **POST** /katello/api/v2/organizations/:id/autoattach_subscriptions

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

[Report a bug](#)

52.10. LIST ALL RESOURCES FOR AN ORGANIZATION

- **GET** /katello/api/v2/organizations/:id/redhat_provider

List all Resources for an Organization

[Report a bug](#)

CHAPTER 53. OPERATING SYSTEM DEFAULT TEMPLATES

53.1. LIST DEFAULT TEMPLATES FOR OPERATING SYSTEM

- **GET** `/api/v2/operatingsystems/:operatingsystem_id/os_default_templates`

List default templates for operating system

Table 53.1. Parameters

Name	Required	Type	Description
operatingsystem_id	False	String	Operating System identifier
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

[Report a bug](#)

53.2. SHOW A DEFAULT TEMPLATE KIND FOR OPERATING SYSTEM

- **GET**
`/api/v2/operatingsystems/:operatingsystem_id/os_default_templates/:id`

Show a default template kind for operating system

Table 53.2. Parameters

Name	Required	Type	Description
operatingsystem_id	False	String	Operating System identifier
id	True	Number	Default template identifier

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53.3. CREATE A DEFAULT TEMPLATE FOR OPERATING SYSTEM

- **POST** `/api/v2/operatingsystems/:operatingsystem_id/os_default_templates`

Create a default template for operating system

Table 53.3. Parameters

Name	Required	Type	Description
operatingsystem_id	False	String	Operating System identifier
os_default_template	False	Hash	Default template subcollection
os_default_template[template_kind_id]	False	Number	Template kind identifier
os_default_template[config_template_id]	False	Number	Configuration template identifier

[Report a bug](#)

53.4. UPDATE A DEFAULT TEMPLATE FOR OPERATING SYSTEM

- **PUT**
/api/v2/operatingsystems/:operatingsystem_id/os_default_templates/:id

Update a default template for operating system

Table 53.4. Parameters

Name	Required	Type	Description
operatingsystem_id	False	String	Operating System identifier
id	True	String	Default template identifier
os_default_template	False	Hash	Default template subcollection
os_default_template[template_kind_id]	False	Number	Template kind identifier
os_default_template[config_template_id]	False	Number	Configuration template identifier

[Report a bug](#)

53.5. DELETE A DEFAULT TEMPLATE FOR OPERATING SYSTEM

- **DELETE**
/api/v2/operatingsystems/:operatingsystem_id/os_default_templates/:id

Delete a default template for operating system

Table 53.5. Parameters

Name	Required	Type	Description
operatingsystem_id	False	String	Operating System identifier
id	True	String	Default template identifier

[Report a bug](#)

CHAPTER 54. OVERRIDE VALUES

54.1. LIST OF OVERRIDE VALUES FOR A SPECIFIC SMART VARIABLE

- **GET** `/api/v2/smart_variables/:smart_variable_id/override_values`

List of override values for a specific smart variable

- **GET** `/api/v2/smart_class_parameters/:smart_class_parameter_id/override_values`

List of override values for a specific smart class parameter

Table 54.1. Parameters

Name	Required	Type	Description
smart_variable_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Smart variable identifier
smart_class_parameter_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Smart class identifier
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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54.2. SHOW AN OVERRIDE VALUE FOR A SPECIFIC SMART VARIABLE

- **GET** `/api/v2/smart_variables/:smart_variable_id/override_values/:id`

Show an override value for a specific smart variable

- **GET** `/api/v2/smart_class_parameters/:smart_class_parameter_id/override_values/:id`

Show an override value for a specific smart class parameter

Table 54.2. Parameters

Name	Required	Type	Description
smart_variable_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Smart variable identifier
smart_class_parameter_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Smart class identifier
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Override value identifier

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54.3. CREATE AN OVERRIDE VALUE FOR A SPECIFIC SMART VARIABLE

- **POST** `/api/v2/smart_variables/:smart_variable_id/override_values`

Create an override value for a specific smart variable

- **POST** `/api/v2/smart_class_parameters/:smart_class_parameter_id/override_values`

Create an override value for a specific smart class parameter

Table 54.3. Parameters

Name	Required	Type	Description
------	----------	------	-------------

Name	Required	Type	Description
smart_variable_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Smart variable identifier
override_value	False	Hash	Override value subcollection
override_value[match]	False	String	The matcher attribute to override
override_value[value]	False	String	The value for the matcher attribute

[Report a bug](#)

54.4. UPDATE AN OVERRIDE VALUE FOR A SPECIFIC SMART VARIABLE

- **PUT** `/api/v2/smart_variables/:smart_variable_id/override_values/:id`

Update an override value for a specific smart variable

- **PUT** `/api/v2/smart_class_parameters/:smart_class_parameter_id/override_values/:id`

Update an override value for a specific smart class parameter

Table 54.4. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Override value identifier
override_value	False	Hash	Override value subcollection
override_value[match]	False	String	The matcher attribute to override

Name	Required	Type	Description
override_value[value]	False	String	The value for the matcher attribute

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54.5. DELETE AN OVERRIDE VALUE FOR A SPECIFIC SMART VARIABLE

- **DELETE** `/api/v2/smart_variables/:smart_variable_id/override_values/:id`

Delete an override value for a specific smart variable

- **DELETE** `/api/v2/smart_class_parameters/:smart_class_parameter_id/override_values/:id`

Delete an override value for a specific smart class parameter

Table 54.5. Parameters

Name	Required	Type	Description
smart_variable_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Smart variable identifier
smart_class_parameter_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Smart class identifier
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Override value identifier

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CHAPTER 55. PACKAGE GROUPS

55.1. LIST PACKAGE GROUPS

- **GET** `/katello/api/v2/package_groups`

List package groups

- **GET** `/katello/api/v2/content_views/:content_view_id/filters/:filter_id/package_groups`

List package groups

- **GET** `/katello/api/v2/content_view_filters/:content_view_filter_id/package_groups`

List package groups

- **GET** `/katello/api/v2/repositories/:repository_id/package_groups`

List package groups

Table 55.1. Parameters

Name	Required	Type	Description
content_view_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier
filter_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Filter identifier
content_view_filter_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view filter identifier

Name	Required	Type	Description
repository_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Repository identifier

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55.2. SHOW A PACKAGE GROUP

- **GET** `/katello/api/v2/package_groups/:id`

Show a package group

- **GET** `/katello/api/v2/repositories/:repository_id/package_groups/:id`

Show a package group

Table 55.2. Parameters

Name	Required	Type	Description
repository_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Repository identifier
id	True	String	Package group identifier

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CHAPTER 56. PACKAGES

56.1. LIST PACKAGES

- **GET** /katello/api/v2/repositories/:repository_id/packages

List packages

Table 56.1. Parameters

Name	Required	Type	Description
repository_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Repository identifier
search	False	String	Search string
page	False	Number	Page number, starting at 1
per_page	False	Number	Number of results per page to return
order	False	String	Sort field and order. For example, name DESC .
full_results	False	Boolean	Whether or not to show all results
sort	False	Hash	Hash version of order parameter
sort[by]	False	String	Field to use for sorting the results
sort[order]	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.

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56.2. SHOW A PACKAGE

- **GET** /katello/api/v2/repositories/:repository_id/packages/:id

Show a package

Table 56.2. Parameters

Name	Required	Type	Description
repository_id	False	Number	Repository identifier
id	False	String	Package identifier

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CHAPTER 57. PARAMETERS

57.1. LIST ALL PARAMETERS FOR A RESOURCE

- **GET /api/v2/hosts/:host_id/parameters**

List all parameters for host

- **GET /api/v2/hostgroups/:hostgroup_id/parameters**

List all parameters for hostgroup

- **GET /api/v2/domains/:domain_id/parameters**

List all parameters for domain

- **GET /api/v2/operatingsystems/:operatingsystem_id/parameters**

List all parameters for operating system

- **GET /api/v2/locations/:location_id/parameters**

List all parameters for location

- **GET /api/v2/organizations/:organization_id/parameters**

List all parameters for organization

Table 57.1. Parameters

Name	Required	Type	Description
host_id	False	String	Host identifier
hostgroup_id	False	String	Hostgroup identifier
domain_id	False	String	Domain identifier
operatingsystem_id	False	String	Operating System identifier
location_id	False	String	Location identifier
organization_id	False	String	Organization identifier
search	False	String	Filter results
order	False	String	Sort results
page	False	String	Page number, starting at 1

Name	Required	Type	Description
per_page	False	String	Number of results per page to return

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57.2. SHOW A NESTED PARAMETER FOR A RESOURCE

- **GET /api/v2/hosts/:host_id/parameters/:id**

Show a nested parameter for host

- **GET /api/v2/hostgroups/:hostgroup_id/parameters/:id**

Show a nested parameter for hostgroup

- **GET /api/v2/domains/:domain_id/parameters/:id**

Show a nested parameter for domain

- **GET /api/v2/operatingsystems/:operatingsystem_id/parameters/:id**

Show a nested parameter for operating system

- **GET /api/v2/locations/:location_id/parameters/:id**

Show a nested parameter for location

- **GET /api/v2/organizations/:organization_id/parameters/:id**

Show a nested parameter for organization

Table 57.2. Parameters

Name	Required	Type	Description
host_id	False	String	Host identifier
hostgroup_id	False	String	Hostgroup identifier
domain_id	False	String	Domain identifier
operatingsystem_id	False	String	Operating System identifier
location_id	False	String	Location identifier
organization_id	False	String	Organization identifier
id	True	String	Parameter identifier

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57.3. CREATE A NESTED PARAMETER FOR A RESOURCE

- **POST /api/v2/hosts/:host_id/parameters**

Create a nested parameter for host

- **POST /api/v2/hostgroups/:hostgroup_id/parameters**

Create a nested parameter for hostgroup

- **POST /api/v2/domains/:domain_id/parameters**

Create a nested parameter for domain

- **POST /api/v2/operatingsystems/:operatingsystem_id/parameters**

Create a nested parameter for operating system

- **POST /api/v2/locations/:location_id/parameters**

Create a nested parameter for location

- **POST /api/v2/organizations/:organization_id/parameters**

Create a nested parameter for organization

Table 57.3. Parameters

Name	Required	Type	Description
host_id	False	String	Host identifier
hostgroup_id	False	String	Hostgroup identifier
domain_id	False	String	Domain identifier
operatingsystem_id	False	String	Operating System identifier
location_id	False	String	Location identifier
organization_id	False	String	Organization identifier
parameter	False	Hash	Parameter subcollection
parameter[name]	True	String	Parameter key name
parameter[value]	True	String	Parameter value

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57.4. UPDATE A NESTED PARAMETER FOR A RESOURCE

- **PUT /api/v2/hosts/:host_id/parameters/:id**

Update a nested parameter for host

- **PUT /api/v2/hostgroups/:hostgroup_id/parameters/:id**

Update a nested parameter for hostgroup

- **PUT /api/v2/domains/:domain_id/parameters/:id**

Update a nested parameter for domain

- **PUT /api/v2/operatingsystems/:operatingsystem_id/parameters/:id**

Update a nested parameter for operating system

- **PUT /api/v2/locations/:location_id/parameters/:id**

Update a nested parameter for location

- **PUT /api/v2/organizations/:organization_id/parameters/:id**

Update a nested parameter for organization

Table 57.4. Parameters

Name	Required	Type	Description
host_id	False	String	Host identifier
hostgroup_id	False	String	Hostgroup identifier
domain_id	False	String	Domain identifier
operatingsystem_id	False	String	Operating System identifier
location_id	False	String	Location identifier
organization_id	False	String	Organization identifier
id	True	String	Parameter identifier
parameter	False	Hash	Parameter subcollection
parameter[name]	False	String	Parameter key name
parameter[value]	False	String	Parameter value

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57.5. DELETE A NESTED PARAMETER FOR A RESOURCE

- **DELETE** `/api/v2/hosts/:host_id/parameters/:id`

Delete a nested parameter for host

- **DELETE** `/api/v2/hostgroups/:hostgroup_id/parameters/:id`

Delete a nested parameter for hostgroup

- **DELETE** `/api/v2/domains/:domain_id/parameters/:id`

Delete a nested parameter for domain

- **DELETE** `/api/v2/operatingsystems/:operatingsystem_id/parameters/:id`

Delete a nested parameter for operating system

- **DELETE** `/api/v2/locations/:location_id/parameters/:id`

Delete a nested parameter for location

- **DELETE** `/api/v2/organizations/:organization_id/parameters/:id`

Delete a nested parameter for organization

Table 57.5. Parameters

Name	Required	Type	Description
host_id	False	String	Host identifier
hostgroup_id	False	String	Hostgroup identifier
domain_id	False	String	Domain identifier
operatingsystem_id	False	String	Operating System identifier
location_id	False	String	Location identifier
organization_id	False	String	Organization identifier
id	True	String	Parameter identifier

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57.6. DELETE ALL NESTED PARAMETERS FOR A RESOURCE

- **DELETE** `/api/v2/hosts/:host_id/parameters`

Delete all nested parameters for host

- **DELETE** `/api/v2/hostgroups/:hostgroup_id/parameters`

Delete all nested parameters for hostgroup

- **DELETE** `/api/v2/domains/:domain_id/parameters`

Delete all nested parameters for domain

- **DELETE** `/api/v2/operatingsystems/:operatingsystem_id/parameters`

Delete all nested parameters for operating system

- **DELETE** `/api/v2/locations/:location_id/parameters`

Delete all nested parameter for location

- **DELETE** `/api/v2/organizations/:organization_id/parameters`

Delete all nested parameter for organization

Table 57.6. Parameters

Name	Required	Type	Description
host_id	False	String	Host identifier
hostgroup_id	False	String	Hostgroup identifier
domain_id	False	String	Domain identifier
operatingsystem_id	False	String	Operating System identifier
location_id	False	String	Location identifier
organization_id	False	String	Organization identifier

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CHAPTER 58. PERMISSIONS

58.1. LIST ALL PERMISSIONS

- **GET /katello/api/v2/permissions**

List all permissions.

Table 58.1. Parameters

Name	Required	Type	Description
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return
resource_type	False	String	Resource types assigned to the permission
name	False	String	Name of the permission

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58.2. SHOW A PERMISSION

- **GET /katello/api/v2/permissions/:id**

Show a permission.

Table 58.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Permission identifier

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58.3. CREATE A ROLES PERMISSION

- **POST /katello/api/v2/roles/:role_id/permissions**

Create a roles permission

Table 58.3. Parameters

Name	Required	Type	Description
permission	True	Hash	Permission subcollection
permission[description]	False	String	Permission description
permission[name]	True	String	Permission name
permission[organization_id]	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Organization identifier of the permission
permission[tags]	False	Array	List of of tags for the permission
permission[type]	True	String	Resource to assign to the permission, or all
permission[verbs]	False	Array	List of permission verbs
permission[all_tags]	False	Boolean	True if the permission uses all tags
permission[all_verbs]	False	Boolean	True if the permission uses all verbs

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CHAPTER 59. PING

59.1. SHOWS STATUS OF SYSTEM AND IT'S SUBCOMPONENTS

- **GET /katello/api/v2/ping**

Shows status of system and it's subcomponents

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59.2. SHOWS VERSION INFORMATION

- **GET /katello/api/v2/status**

Shows version information

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CHAPTER 60. PLUGINS

60.1. LIST OF INSTALLED PLUGINS

- **GET** `/api/v2/plugins`

List of installed plugins

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CHAPTER 61. PRODUCTS

61.1. LIST PRODUCTS

- **GET /katello/api/v2/products**

List products

- **GET /katello/api/v2/subscriptions/:subscription_id/products**

List of products in a subscription

- **GET /katello/api/v2/activation_keys/:activation_key_id/products**

List of products in an activation key

- **GET /katello/api/v2/organizations/:organization_id/products**

List of products in an organization

Table 61.1. Parameters

Name	Required	Type	Description
organization_id	True	Number	Filter products by organization identifier
subscription_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Filter products by subscription identifier
name	False	String	Filter products by name
enabled	False	Boolean	Filter products by enabled or disabled
custom	False	boolean	Filter products by custom
search	False	String	Search string
page	False	Number	Page number, starting at 1
per_page	False	Number	Number of results per page to return
order	False	String	Sort field and order. For example, name DESC .
full_results	False	Boolean	Whether or not to show all results

Name	Required	Type	Description
sort	False	Hash	Hash version of order parameter
sort[by]	False	String	Field to use for sorting the results
sort[order]	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.

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61.2. CREATE A PRODUCT

- **POST /katello/api/v2/products**

Create a product

Table 61.2. Parameters

Name	Required	Type	Description
organization_id	True	Number	Organization identifier
description	False	String	Product description
gpg_key_id	False	Number	Identifier of the GPG key
sync_plan_id	False	Number	Synchronization plan identifier
name	True	String	Product name
label	False	String	Product label

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61.3. SHOW A PRODUCT

- **GET /katello/api/v2/products/:id**

Show a product

Table 61.3. Parameters

Name	Required	Type	Description
id	True	Number	Product identifier

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61.4. UPDATE A PRODUCT

- **PUT** `/katello/api/v2/products/:id`

Update a product

Table 61.4. Parameters

Name	Required	Type	Description
id	True	Number	Product identifier
description	False	String	Product description
gpg_key_id	False	Number	Identifier of the GPG key
sync_plan_id	False	Number	Synchronization plan identifier
name	False	String	Product name

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61.5. DESTROY A PRODUCT

- **DELETE** `/katello/api/v2/products/:id`

Destroy a product

Table 61.5. Parameters

Name	Required	Type	Description
id	False	Number	Product identifier

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61.6. SYNCHRONIZE A REPOSITORY

- **POST** `/katello/api/v2/products/:id/sync`

Synchronize a repository

Table 61.6. Parameters

Name	Required	Type	Description
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Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Product identifier

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CHAPTER 62. PRODUCTS BULK ACTIONS

62.1. DESTROY ONE OR MORE PRODUCTS

- **PUT** `/katello/api/v2/products/bulk/destroy`

Destroy one or more products

Table 62.1. Parameters

Name	Required	Type	Description
ids	True	Array	List of product identifiers

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62.2. SYNCHRONIZE ONE OR MORE PRODUCTS

- **PUT** `/katello/api/v2/products/bulk/sync`

Synchronize one or more products

Table 62.2. Parameters

Name	Required	Type	Description
ids	True	Array	List of product identifiers

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62.3. SYNCHRONIZE ONE OR MORE PRODUCTS BASED ON PLAN

- **PUT** `/katello/api/v2/products/bulk/sync_plan`

Synchronize one or more products

Table 62.3. Parameters

Name	Required	Type	Description
ids	True	Array	List of product identifiers
plan_id	True	Number	Synchronization plan identifier to attach

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CHAPTER 63. PARTITION TABLES

63.1. LIST ALL PARTITION TABLES

- **GET** `/api/v2/ptables`

List all partition tables.

Table 63.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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63.2. SHOW A PARTITION TABLE

- **GET** `/api/v2/ptables/:id`

Show a partition table.

Table 63.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Partition table identifier

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63.3. CREATE A PARTITION TABLE

- **POST** `/api/v2/ptables`

Create a partition table.

Table 63.3. Parameters

Name	Required	Type	Description
ptable	False	Hash	Partition table subcollection
ptable[name]	True	String	Partition table name
ptable[layout]	True	String	Partition table XML layout.
ptable[os_family]	False	String	Partition table operating system family

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63.4. UPDATE A PARTITION TABLE

- **PUT** `/api/v2/ptables/:id`

Update a partition table.

Table 63.4. Parameters

Name	Required	Type	Description
id	True	String	Partition table identifier
ptable	False	Hash	Partition table subcollection
ptable[name]	True	String	Partition table name
ptable[layout]	True	String	Partition table XML layout.
ptable[os_family]	False	String	Partition table operating system family

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63.5. DELETE A PARTITION TABLE

- **DELETE** `/api/v2/ptables/:id`

Delete a partition table.

Table 63.5. Parameters

Name	Required	Type	Description
id	True	String	Partition table identifier

Name	Required	Type	Description
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CHAPTER 64. PUPPET MODULES

64.1. LIST PUPPET MODULES

- **GET** /katello/api/v2/puppet_modules

List puppet modules

- **GET** /katello/api/v2/content_views/:content_view_id/puppet_modules

List puppet modules

- **GET** /katello/api/v2/environments/:environment_id/puppet_modules

List puppet modules

- **GET** /katello/api/v2/repositories/:repository_id/puppet_modules

List puppet modules

Table 64.1. Parameters

Name	Required	Type	Description
content_view_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Content view identifier
environment_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Environment identifier
repository_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Repository identifier

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64.2. SHOW A PUPPET MODULE

- **GET** /katello/api/v2/puppet_modules/:id

Show a puppet module

- **GET** `/katello/api/v2/repositories/:repository_id/puppet_modules/:id`

Show a puppet module

Table 64.2. Parameters

Name	Required	Type	Description
repository_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Repository identifier
id	True	String	Puppet module identifier

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CHAPTER 65. PUPPET CLASSES

65.1. LIST ALL PUPPET CLASSES

- **GET /api/v2/puppet classes**

List all puppet classes.

- **GET /api/v2/hosts/:host_id/puppet classes**

List all puppet classes for host

- **GET /api/v2/hostgroups/:hostgroup_id/puppet classes**

List all puppet classes for hostgroup

- **GET /api/v2/environments/:environment_id/puppet classes**

List all puppet classes for environment

Table 65.1. Parameters

Name	Required	Type	Description
host_id	False	String	Nested host identifier
hostgroup_id	False	String	Nested host group identifier
environment_id	False	String	Nested environment identifier
search	False	String	Search string
order	False	String	Sort results
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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65.2. SHOW A PUPPET CLASS

- **GET /api/v2/puppet classes/:id**

Show a puppet class

- **GET /api/v2/hosts/:host_id/puppet classes/:id**

Show a puppet class for host

- **GET /api/v2/hostgroups/:hostgroup_id/puppet classes/:id**

Show a puppet class for hostgroup

- **GET** `/api/v2/environments/:environment_id/puppet_classes/:id`

Show a puppet class for environment

Table 65.2. Parameters

Name	Required	Type	Description
host_id	False	String	Nested host identifier
hostgroup_id	False	String	Nested host group identifier
environment_id	False	String	Nested environment identifier
id	True	String	Puppet class identifiers

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65.3. CREATE A PUPPET CLASS

- **POST** `/api/v2/puppet_classes`

Create a puppet class.

Table 65.3. Parameters

Name	Required	Type	Description
puppet class	False	Hash	Puppet class subcollection
puppet class[name]	True	String	Puppet class name

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65.4. UPDATE A PUPPET CLASS

- **PUT** `/api/v2/puppet_classes/:id`

Update a puppet class.

Table 65.4. Parameters

Name	Required	Type	Description
id	True	String	Puppet class identifier

Name	Required	Type	Description
puppet class	False	Hash	Puppet class subcollection
puppet class[name]	False	String	Puppet class name

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65.5. DELETE A PUPPET CLASS

- **DELETE /api/v2/puppet classes/:id**

Delete a puppet class.

Table 65.5. Parameters

Name	Required	Type	Description
id	True	String	Puppet class identifier

[Report a bug](#)

CHAPTER 66. REALMS

66.1. LIST OF REALMS

- **GET** `/api/v2/realms`

List of realms

Table 66.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	Sort results
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

[Report a bug](#)

66.2. SHOW A REALM

- **GET** `/api/v2/realms/:id`

Show a realm.

Table 66.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Realm name or identifier

[Report a bug](#)

66.3. CREATE A REALM

- **POST** `/api/v2/realms`

Create a realm.

Table 66.3. Parameters

Name	Required	Type	Description
realm	False	Hash	Realm subcollection
realm[name]	True	String	The realm name
realm[realm_proxy_id]	False	Number	Proxy to use for this realm
realm[realm_type]	True	String	Realm type. For example, Red Hat Directory Server, or Active Directory

[Report a bug](#)

66.4. UPDATE A REALM

- **PUT** `/api/v2/realms/:id`

Update a realm.

Table 66.4. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Realm identifier
realm	False	Hash	Realm subcollection
realm[name]	False	String	Realm name
realm[realm_proxy_id]	False	Number	Proxy to use for this realm
realm[realm_type]	False	String	Realm type. For example, Red Hat Directory Server, or Active Directory

[Report a bug](#)

66.5. DELETE A REALM

- **DELETE** `/api/v2/realms/:id`

Delete a realm.

Table 66.5. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Realm identifier

[Report a bug](#)

CHAPTER 67. REPORTS

67.1. LIST ALL REPORTS

- **GET** `/api/v2/reports`

List all reports.

Table 67.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

[Report a bug](#)

67.2. SHOW A REPORT

- **GET** `/api/v2/reports/:id`

Show a report.

Table 67.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Report identifier

[Report a bug](#)

67.3. CREATE A REPORT

- **POST** `/api/v2/reports`

Create a report.

Table 67.3. Parameters

Name	Required	Type	Description
report	False	Hash	Report subcollection
report[host]	True	String	Hostname or certname
report[reported_at]	True	String	UTC time of report
report[status]	True	Hash	Subcollection of status type totals
report[metrics]	True	Hash	Subcollection of report metrics. Can be empty - {}.
report[logs]	False	Array	Optional list of log hashes

[Report a bug](#)

67.4. DELETE A REPORT

- **DELETE** `/api/v2/reports/:id`

Delete a report.

Table 67.4. Parameters

Name	Required	Type	Description
id	True	String	Report identifier

[Report a bug](#)

67.5. SHOW THE LAST REPORT FOR A HOST

- **GET** `/api/v2/hosts/:host_id/reports/last`

Show the last report for a host.

Table 67.5. Parameters

Name	Required	Type	Description
------	----------	------	-------------

Name	Required	Type	Description
host_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Host identifier

[Report a bug](#)

CHAPTER 68. REPOSITORIES

68.1. LIST ENABLED REPOSITORIES

- **GET /katello/api/v2/repositories**

List of enabled repositories

- **GET /katello/api/v2/content_views/:id/repositories**

List of repositories for a content view

Table 68.1. Parameters

Name	Required	Type	Description
organization_id	True	Number	Organization identifier
product_id	False	Number	Product identifier
environment_id	False	Number	Environment identifier
content_view_id	False	Number	Content view identifier
library	False	Boolean	Show repositories in Library and the default content view
content_type	False	String	Limit to only repositories of this type
name	False	String	Name of the repository
search	False	String	Search string
page	False	Number	Page number, starting at 1
per_page	False	Number	Number of results per page to return
order	False	String	Sort field and order. For example, name DESC .
full_results	False	Boolean	Whether or not to show all results
sort	False	Hash	Hash version of order parameter
sort[by]	False	String	Field to use for sorting the results
sort[order]	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.

[Report a bug](#)

68.2. CREATE A CUSTOM REPOSITORY

- **POST** `/katello/api/v2/repositories`

Create a custom repository

Table 68.2. Parameters

Name	Required	Type	Description
name	True	String	Repository name
label	False	String	Repository label
product_id	True	Number	Product that owns this repository
url	True	String	Repository source URL
gpg_key_id	False	Number	GPG key assigned to the new repository
unprotected	False	Boolean	Set to true if this repository can be published through HTTP
content_type	False	String	Type of repository. Either yum or puppet . Default is yum .

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68.3. SHOW A CUSTOM REPOSITORY

- **GET** `/katello/api/v2/repositories/:id`

Show a custom repository

Table 68.3. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Repository identifier

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68.4. SYNCHRONIZE A REPOSITORY

- **POST** `/katello/api/v2/repositories/:id/sync`

Synchronize a repository

Table 68.4. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Repository identifier

[Report a bug](#)

68.5. UPDATE A CUSTOM REPOSITORY

- **PUT** `/katello/api/v2/repositories/:id`

Update a custom repository

Table 68.5. Parameters

Name	Required	Type	Description
name	False	String	New name for the repository
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Repository identifier
gpg_key_id	False	Number	GPG key assigned to this repository
unprotected	False	Boolean	Set to true if this repository can be published through HTTP
url	False	String	The feed URL of the original repository

[Report a bug](#)

68.6. DESTROY A CUSTOM REPOSITORY

- **DELETE** `/katello/api/v2/repositories/:id`

Destroy a custom repository

Table 68.6. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Repository identifier

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68.7. NOTIFY WHEN A SYNCHRONIZATION IS COMPLETE

- **POST** `/katello/api/v2/repositories/sync_complete`

Notify when a synchronization is complete. Red Hat Satellite uses this as an internal trigger for Pulp. It is recommended not to use this API call.

Table 68.7. Parameters

Name	Required	Type	Description
token	True	String	Shared secret token
payload	True	Hash	Payload subcollection
payload[repo_id]	True	String	Repository identifier
call_report	True	Hash	Call report subcollection
call_report[task_id]	True	String	Task identifier

[Report a bug](#)

68.8. REMOVE PACKAGES FROM REPOSITORY

- **POST** `/katello/api/repositories/:id/remove_packages`

Remove packages from a repository

Table 68.8. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Repository identifier
uuids	True	Array	Array of package UUIDs to remove

[Report a bug](#)

68.9. UPLOAD CONTENT INTO REPOSITORY

- **POST /katello/api/repositories/:id/upload_content**

Upload content into a repository

Table 68.9. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Repository identifier
content	True	File	Content files to upload. Can be a single file or array of files.

[Report a bug](#)

68.10. IMPORT UPLOADS INTO REPOSITORY

- **PUT /katello/api/repositories/:id/import_uploads**

Import uploads into a repository

Table 68.10. Parameters

Name	Required	Type	Description
------	----------	------	-------------

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Repository identifier
upload_ids	True	Array	Array of upload identifiers to import

[Report a bug](#)

68.11. SHOW REPOSITORY GPG KEY CONTENT

- **GET /katello/api/repositories/:id/gpg_key_content**

Return the content of a repository's GPG key. Used directly by Yum.

Table 68.11. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Identifier of the repository

[Report a bug](#)

CHAPTER 69. REPOSITORIES BULK ACTIONS

69.1. DESTROY ONE OR MORE REPOSITORIES

- **PUT** `/katello/api/v2/repositories/bulk/destroy`

Destroy one or more repositories

Table 69.1. Parameters

Name	Required	Type	Description
ids	True	Array	List of repository identifiers

[Report a bug](#)

69.2. SYNCHRONIZE REPOSITORY

- **POST** `/katello/api/v2/repositories/bulk/sync`

Synchronize repository

Table 69.2. Parameters

Name	Required	Type	Description
ids	True	Array	List of repository identifiers

[Report a bug](#)

69.3. REPOSITORY SETS

[Report a bug](#)

69.4. LIST REPOSITORY SETS FOR A PRODUCT

- **GET** `/katello/api/v2/products/:product_id/repository_sets`

List repository sets for a product.

Table 69.3. Parameters

Name	Required	Type	Description
product_id	True	Number	Product identifier
name	False	String	Repository set name to search

[Report a bug](#)

69.5. GET INFORMATION ABOUT A REPOSITORY SET

- **GET** `/katello/api/v2/products/:product_id/repository_sets/:id`

Get information about a repository set

Table 69.4. Parameters

Name	Required	Type	Description
id	True	Number	Repository set identifier
product_id	True	Number	Product identifier

[Report a bug](#)

69.6. GET LIST OR AVAILABLE REPOSITORIES FOR THE REPOSITORY SET

- **GET**
`/katello/api/v2/products/:product_id/repository_sets/:id/available_repositories`

Get list or available repositories for the repository set

Table 69.5. Parameters

Name	Required	Type	Description
id	True	Number	Repository set identifier
product_id	True	Number	Product identifier

[Report a bug](#)

69.7. ENABLE A REPOSITORY FROM THE SET

- **PUT** `/katello/api/v2/products/:product_id/repository_sets/:id/enable`

Enable a repository from the set

Table 69.6. Parameters

Name	Required	Type	Description
id	True	Number	Repository set identifier to enable
product_id	True	Number	Product containing the repository set

Name	Required	Type	Description
basearch	True	String	Basearch to enable
releasever	True	String	Releasever to enable

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69.8. DISABLE A REPOSITORY FORM THE SET

- **PUT /katello/api/v2/products/:product_id/repository_sets/:id/disable**

Disable a repository form the set

Table 69.7. Parameters

Name	Required	Type	Description
id	True	Number	Repository set identifier to disable
product_id	True	Number	Product containing the repository set
basearch	True	String	Basearch to disable
releasever	True	String	Releasever to disable

[Report a bug](#)

CHAPTER 70. ROLE LDAP GROUPS

70.1. ADD GROUP TO LIST OF LDAP GROUPS ASSOCIATED WITH THE ROLE

- **POST** `/katello/api/v2/roles/:role_id/ldap_groups`

Add group to list of LDAP groups associated with the role

Table 70.1. Parameters

Name	Required	Type	Description
ldap_group	True	Hash	LDAP group subcollection
ldap_group[name]	True	String	Name of the LDAP group

[Report a bug](#)

CHAPTER 71. ROLES

71.1. LIST ALL ROLES

- **GET** `/katello/api/v2/roles`

List all roles.

Table 71.1. Parameters

Name	Required	Type	Description
search	False	String	Filter results
order	False	String	Sort results
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

[Report a bug](#)

71.2. SHOW AN ROLE

- **GET** `/katello/api/v2/roles/:id`

Show an role.

Table 71.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Role identifier

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71.3. CREATE AN ROLE

- **POST** `/katello/api/v2/roles`

Create an role.

Table 71.3. Parameters

Name	Required	Type	Description
role	False	Hash	Role subcollection
role[name]	True	String	Role name

[Report a bug](#)

71.4. UPDATE AN ROLE

- **PUT /katello/api/v2/roles/:id**

Update an role.

Table 71.4. Parameters

Name	Required	Type	Description
id	True	String	Role identifier
role	False	Hash	Role subcollection
role[name]	False	String	Role name

[Report a bug](#)

71.5. DELETE AN ROLE

- **DELETE /katello/api/v2/roles/:id**

Delete an role.

Table 71.5. Parameters

Name	Required	Type	Description
id	True	String	Role identifier

[Report a bug](#)

CHAPTER 72. SETTINGS

72.1. LIST ALL SETTINGS

- **GET** `/api/v2/settings`

List all settings.

Table 72.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	Sort results
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

[Report a bug](#)

72.2. SHOW A SETTING

- **GET** `/api/v2/settings/:id`

Show a setting.

Table 72.2. Parameters

Name	Required	Type	Description
id	True	String	Setting identifier

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72.3. UPDATE A SETTING

- **PUT** `/api/v2/settings/:id`

Update a setting.

Table 72.3. Parameters

Name	Required	Type	Description
id	True	String	Setting identifier
setting	True	Hash	Setting subcollection

Name	Required	Type	Description
<code>setting[value]</code>	False	String	Setting value

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CHAPTER 73. SMART CLASS PARAMETERS

73.1. LIST SMART CLASS PARAMETERS

- **GET /api/v2/smart_class_parameters**

List all smart class parameters

- **GET /api/v2/hosts/:host_id/smart_class_parameters**

List of smart class parameters for a specific host

- **GET /api/v2/hostgroups/:hostgroup_id/smart_class_parameters**

List of smart class parameters for a specific hostgroup

- **GET /api/v2/puppet_classes/:puppet_class_id/smart_class_parameters**

List of smart class parameters for a specific puppet class

- **GET /api/v2/environments/:environment_id/smart_class_parameters**

List of smart class parameters for a specific environment

- **GET /api/v2/environments/:environment_id/puppet_classes/:puppet_class_id/smart_class_parameters**

List of smart class parameters for a specific environment/puppet class combination

Table 73.1. Parameters

Name	Required	Type	Description
host_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Host identifier
hostgroup_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Hostgroup identifier

Name	Required	Type	Description
puppet_class_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Puppet class identifier
environment_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Environment identifier
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

[Report a bug](#)

73.2. SHOW A SMART CLASS PARAMETER

- **GET** `/api/v2/smart_class_parameters/:id`

Show a smart class parameter.

Table 73.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Smart class parameter identifier

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73.3. UPDATE A SMART CLASS PARAMETER

- **PUT** `/api/v2/smart_class_parameters/:id`

Update a smart class parameter.

Table 73.3. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Smart class parameter identifier
smart_class_parameter	True	Hash	Smart class parameter subcollection
smart_class_parameter[override]	False	Boolean	Defines if the default smart class parameter can be overridden
smart_class_parameter[description]	False	String	Smart class parameter description
smart_class_parameter[default_value]	False	String	Default value for smart class parameter
smart_class_parameter[path]	False	String	Path for the smart class parameter
smart_class_parameter[validator_type]	False	String	Validator type. Either list or regexp .
smart_class_parameter[validator_rule]	False	String	Rule for the validator
smart_class_parameter[override_value_order]	False	String	Value that defines the order of override value in relation to other override values
smart_class_parameter[parameter_type]	False	String	Smart class parameter type. Either string , boolean , integer , real , array , hash , yaml , or json .

Name	Required	Type	Description
<code>smart_class_parameter[required]</code>	False	Boolean	Defines if the parameter is required

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CHAPTER 74. SMART PROXIES (CAPSULES)

74.1. IMPORT PUPPET CLASSES FROM PROXY

- **POST** `/api/v2/smart_proxies/:id/import_puppet_classes`

Import Puppet classes from Capsule.

- **POST**
`/api/v2/smart_proxies/:smart_proxy_id/environments/:id/import_puppet_classes`

Import Puppet classes from Capsule for particular environment.

- **POST**
`/api/v2/environments/:environment_id/smart_proxies/:id/import_puppet_classes`

Import Puppet classes from Capsule for particular environment.

Table 74.1. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Capsule identifier
smart_proxy_id	False	String	Capsule identifier
environment_id	False	String	Environment identifier
dryrun	False	Boolean	Perform a test of the import process without importing actual data
except	False	String	Optional comma-delimited string containing either new , updated , and obsolete used to limit the import puppet classes actions

[Report a bug](#)

74.2. LIST ALL CAPSULES

- **GET** `/api/v2/smart_proxies`

List all capsules.

Table 74.2. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	Sort results
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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74.3. SHOW A CAPSULE

- **GET /api/v2/smart_proxies/:id**

Show a Capsule.

Table 74.3. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Capsule identifier

[Report a bug](#)

74.4. CREATE A CAPSULE

- **POST /api/v2/smart_proxies**

Create a Capsule.

Table 74.4. Parameters

Name	Required	Type	Description
smart_proxy	False	Hash	Capsule subcollection
smart_proxy[name]	True	String	Capsule name

Name	Required	Type	Description
<code>smart_proxy[url]</code>	True	String	Capsule URL

[Report a bug](#)

74.5. UPDATE A CAPSULE

- **PUT** `/api/v2/smart_proxies/:id`

Update a Capsule.

Table 74.5. Parameters

Name	Required	Type	Description
<code>id</code>	True	String	Capsule identifier
<code>smart_proxy</code>	False	Hash	Capsule subcollection
<code>smart_proxy[name]</code>	False	String	Capsule name
<code>smart_proxy[url]</code>	False	String	Capsule URL

[Report a bug](#)

74.6. DELETE A CAPSULE

- **DELETE** `/api/v2/smart_proxies/:id`

Delete a Capsule.

Table 74.6. Parameters

Name	Required	Type	Description
<code>id</code>	True	String	Capsule identifier

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74.7. REFRESH CAPSULE FEATURES

- **PUT** `/api/v2/smart_proxies/:id/refresh`

Refresh Capsule features

Table 74.7. Parameters

Name	Required	Type	Description
id	True	String	Capsule identifier

[Report a bug](#)

CHAPTER 75. SMART VARIABLES

75.1. LIST SMART VARIABLES

- **GET** `/api/v2/smart_variables`

List all smart variables

- **GET** `/api/v2/hosts/:host_id/smart_variables`

List of smart variables for a specific host

- **GET** `/api/v2/hostgroups/:hostgroup_id/smart_variables`

List of smart variables for a specific hostgroup

- **GET** `/api/v2/puppet_classes/:puppet_class_id/smart_variables`

List of smart variables for a specific puppet class

Table 75.1. Parameters

Name	Required	Type	Description
host_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Host identifier
hostgroup_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Hostgroup identifier
puppet_class_id	False	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Puppet class identifier
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.

Name	Required	Type	Description
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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75.2. SHOW A SMART VARIABLE

- **GET /api/v2/smart_variables/:id**

Show a smart variable.

Table 75.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Smart variable identifier

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75.3. CREATE A SMART VARIABLE

- **POST /api/v2/smart_variables**

Create a smart variable.

Table 75.3. Parameters

Name	Required	Type	Description
smart_variable	False	Hash	Smart variable subcollection
smart_variable[v ariable]	True	String	Smart variable
smart_variable[p uppet class_id]	False	Number	Puppet class identifier
smart_variable[d efault_value]	False	String	Default value for the variable

Name	Required	Type	Description
<code>smart_variable[override_value_order]</code>	False	String	Order value of the override value
<code>smart_variable[description]</code>	False	String	Description of the smart variable
<code>smart_variable[validator_type]</code>	False	String	Validator type. Either list or regexp .
<code>smart_variable[validator_rule]</code>	False	String	Rule for the validator
<code>smart_variable[variable_type]</code>	False	String	Smart class parameter type. Either string , boolean , integer , real , array , hash , yaml , or json .

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75.4. UPDATE A SMART VARIABLE

- **PUT** `/api/v2/smart_variables/:id`

Update a smart variable.

Table 75.4. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Smart variable identifier
smart_variable	False	Hash	Smart variable subcollection
<code>smart_variable[variable]</code>	True	String	Smart variable
<code>smart_variable[puppet_class_id]</code>	False	Number	Puppet class identifier
<code>smart_variable[default_value]</code>	False	String	Default value for the variable

Name	Required	Type	Description
<code>smart_variable[override_value_order]</code>	False	String	Order value of the override value
<code>smart_variable[description]</code>	False	String	Description of the smart variable
<code>smart_variable[validator_type]</code>	False	String	Validator type. Either list or regexp .
<code>smart_variable[validator_rule]</code>	False	String	Rule for the validator
<code>smart_variable[variable_type]</code>	False	String	Smart class parameter type. Either string , boolean , integer , real , array , hash , yaml , or json .

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75.5. DELETE A SMART VARIABLE

- **DELETE** `/api/v2/smart_variables/:id`

Delete a smart variable.

Table 75.5. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Smart variable identifier

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CHAPTER 76. STATISTICS

76.1. GET STATISTICS

- **GET** `/api/v2/statistics`

Get statistics

[Report a bug](#)

CHAPTER 77. SUBNETS

77.1. LIST OF SUBNETS

- **GET** `/api/v2/subnets`

List of subnets

Table 77.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	Sort results
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

[Report a bug](#)

77.2. SHOW A SUBNET

- **GET** `/api/v2/subnets/:id`

Show a subnet.

Table 77.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Subnet identifier

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77.3. CREATE A SUBNET

- **POST** `/api/v2/subnets`

Create a subnet

Table 77.3. Parameters

Name	Required	Type	Description
subnet	False	Hash	Subnet subcollection
subnet[name]	True	String	Subnet name
subnet[network]	True	String	Subnet network
subnet[mask]	True	String	Netmask for this subnet
subnet[gateway]	False	String	Gateway for this subnet
subnet[dns_primary]	False	String	Primary DNS for this subnet
subnet[dns_secondary]	False	String	Secondary DNS for this subnet
subnet[from]	False	String	Starting IP Address for IP auto suggestion
subnet[to]	False	String	Ending IP Address for IP auto suggestion
subnet[vlanid]	False	String	VLAN ID for this subnet
subnet[domain_ids]	False	Array	Domains that include this subnet
subnet[dhcp_id]	False	Number	DHCP Proxy to use within this subnet
subnet[tftp_id]	False	Number	TFTP Proxy to use within this subnet
subnet[dns_id]	False	Number	DNS Proxy to use within this subnet

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77.4. UPDATE A SUBNET

- **PUT /api/v2/subnets/:id**

Update a subnet

Table 77.4. Parameters

Name	Required	Type	Description
id	True	Number	Subnet identifier

Name	Required	Type	Description
subnet	False	Hash	Subnet subcollection
subnet[name]	True	String	Subnet name
subnet[network]	True	String	Subnet network
subnet[mask]	True	String	Netmask for this subnet
subnet[gateway]	False	String	Gateway for this subnet
subnet[dns_primary]	False	String	Primary DNS for this subnet
subnet[dns_secondary]	False	String	Secondary DNS for this subnet
subnet[from]	False	String	Starting IP Address for IP auto suggestion
subnet[to]	False	String	Ending IP Address for IP auto suggestion
subnet[vlanid]	False	String	VLAN ID for this subnet
subnet[domain_ids]	False	Array	Domains that include this subnet
subnet[dhcp_id]	False	Number	DHCP Proxy to use within this subnet
subnet[tftp_id]	False	Number	TFTP Proxy to use within this subnet
subnet[dns_id]	False	Number	DNS Proxy to use within this subnet

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77.5. DELETE A SUBNET

- **DELETE /api/v2/subnets/:id**

Delete a subnet

Table 77.5. Parameters

Name	Required	Type	Description
id	True	Number	Subnet identifier

[Report a bug](#)

CHAPTER 78. SUBSCRIPTIONS

78.1. LIST SUBSCRIPTIONS

- **GET** `/katello/api/v2/systems/:system_id/subscriptions`

List a system's subscriptions

- **GET** `/katello/api/v2/organizations/:organization_id/subscriptions`

List organization subscriptions

- **GET** `/katello/api/v2/activation_keys/:activation_key_id/subscriptions`

List an activation key's subscriptions

Table 78.1. Parameters

Name	Required	Type	Description
system_id	False	String	UUID of the system
activation_key_id	False	String	Activation key ID
organization_id	False	Number	Organization ID

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78.2. SHOW A SUBSCRIPTION

- **GET** `/katello/api/v2/organizations/:organization_id/subscriptions/:id`

Show a subscription

- **GET** `/katello/api/v2/subscriptions/:id`

Show a subscription

Table 78.2. Parameters

Name	Required	Type	Description
organization_id	False	Number	Organization identifier
id	True	Number	Subscription identifier

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78.3. ADD A SUBSCRIPTION TO A RESOURCE

- **POST** `/katello/api/v2/subscriptions/:id`

Add a subscription to a resource

- **POST** `/katello/api/v2/systems/:system_id/subscriptions`

Add a subscription to a system

- **POST** `/katello/api/v2/activation_keys/:activation_key_id/subscriptions`

Add a subscription to an activation key

Table 78.3. Parameters

Name	Required	Type	Description
id	False	String	Subscription pool UUID
system_id	False	String	System UUID
activation_key_id	False	String	Activation key identifier
quantity	False	Number	Quantity of subscriptions to add
subscriptions	False	Array of nested elements	List of subscriptions to add
subscriptions[id]	True	String	Subscription Pool UUID
subscriptions[quantity]	True	Number	Quantity of this subscriptions to add

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78.4. UNATTACH A SUBSCRIPTION

- **DELETE** `/katello/api/v2/subscriptions/:id`

Unattach a subscription

- **DELETE** `/katello/api/v2/systems/:system_id/subscriptions/:id`

Unattach a subscription

- **DELETE** `/katello/api/v2/activation_keys/:activation_key_id/subscriptions/:id`

Unattach a subscription

Table 78.4. Parameters

Name	Required	Type	Description
id	False	String	Subscription identifier
system_id	False	String	System UUID
activation_key_id	False	String	Activation key identifier
subscriptions	False	Array of nested elements	List of subscriptions to add
subscriptions[id]	True	String	Subscription Pool uuid

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78.5. UPLOAD A SUBSCRIPTION MANIFEST

- **POST**
/katello/api/v2/organizations/:organization_id/subscriptions/upload

Upload a subscription manifest

- **POST** **/katello/api/v2/subscriptions/upload**

Upload a subscription manifest

Table 78.5. Parameters

Name	Required	Type	Description
organization_id	True	Number	Organization identifier
content	True	File	Subscription manifest file
repository_url	False	String	Repository URL

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78.6. REFRESH PREVIOUSLY IMPORTED MANIFEST FOR RED HAT PROVIDER

- **PUT**
/katello/api/v2/organizations/:organization_id/subscriptions/refresh_manifest

Refresh previously imported manifest for Red Hat provider

Table 78.6. Parameters

Name	Required	Type	Description
organization_id	True	Number	Organization identifier

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78.7. DELETE MANIFEST FROM RED HAT PROVIDER

- **POST**
/katello/api/v2/organizations/:organization_id/subscriptions/delete_manifest

Delete manifest from Red Hat provider

Table 78.7. Parameters

Name	Required	Type	Description
organization_id	True	Number	Organization identifier

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78.8. OBTAIN MANIFEST HISTORY FOR SUBSCRIPTIONS

- **GET**
/katello/api/v2/organizations/:organization_id/subscriptions/manifest_history

obtain manifest history for subscriptions

Table 78.8. Parameters

Name	Required	Type	Description
organization_id	True	Number	Organization identifier

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78.9. LIST AVAILABLE SUBSCRIPTIONS

- **GET** **/katello/api/v2/systems/:system_id/subscriptions/available**

List available subscriptions

Table 78.9. Parameters

Name	Required	Type	Description
system_id	True	String	System UUID
match_system	False	Boolean	Return subscriptions that match system
match_installed	False	Boolean	Return subscriptions that match installed
no_overlap	False	Boolean	Return subscriptions that do not overlap

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CHAPTER 79. SYNCHRONIZATIONS

79.1. GET STATUS OF REPOSITORY SYNCHRONISATION FOR GIVEN PRODUCT

- **GET**
/katello/api/v2/organizations/:organization_id/products/:product_id/sync

Get status of repository synchronisation for given product

- **GET** **/katello/api/v2/repositories/:repository_id/sync**

Get status of synchronisation for given repository

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CHAPTER 80. SYNCHRONIZATION PLANS

80.1. LIST SYNCHRONIZATION PLANS

- **GET** /katello/api/v2/organizations/:organization_id/sync_plans

List synchronization plans

Table 80.1. Parameters

Name	Required	Type	Description
organization_id	True	Number	Filter by organization name or label
name	False	String	Filter by name
sync_date	False	String	Filter by sync date
interval	False	String	Filter by interval. Must be one of none , hourly , daily , and weekly .

[Report a bug](#)

80.2. SHOW A SYNCHRONIZATION PLAN

- **GET** /katello/api/v2/organizations/:organization_id/sync_plans/:id

Show a synchronization plan

- **GET** /katello/api/v2/sync_plans/:id

Show a synchronization plan

Table 80.2. Parameters

Name	Required	Type	Description
organization_id	False	Number	Filter by organization name or label
id	True	Number	Synchronization plan identifier

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80.3. CREATE A SYNCHRONIZATION PLAN

- **POST** /katello/api/v2/organizations/:organization_id/sync_plans

Create a synchronization plan

Table 80.3. Parameters

Name	Required	Type	Description
organization_id	True	Number	Organization name or label
name	True	String	Synchronization plan name
interval	True	String	Set how often synchronization runs. Must be one of none , hourly , daily , and weekly .
sync_date	True	Datetime	Start date and time of synchronization
description	False	String	Synchronization plan description

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80.4. UPDATE A SYNCHRONIZATION PLAN

- **PUT /katello/api/v2/organizations/:organization_id/sync_plans/:id**

Update a synchronization plan

- **PUT /katello/api/v2/sync_plans/:id**

Update a synchronization plan

Table 80.4. Parameters

Name	Required	Type	Description
organization_id	False	Number	Organization name or label
id	True	Number	Synchronization plan identifier
name	False	String	Synchronization plan name
interval	False	String	Set how often synchronization runs. Must be one of none , hourly , daily , and weekly .
sync_date	False	Datetime	Start date and time of synchronization
description	False	String	Synchronization plan description

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80.5. DESTROY A SYNCHRONIZATION PLAN

- **DELETE** `/katello/api/v2/organizations/:organization_id/sync_plans/:id`

Destroy a synchronization plan

- **DELETE** `/katello/api/v2/sync_plans/:id`

Destroy a synchronization plan

Table 80.5. Parameters

Name	Required	Type	Description
organization_id	False	Number	Filter by organization name or label
id	False	Number	Synchronization plan identifier

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80.6. LIST PRODUCTS NOT IN A SYNCHRONIZATION PLAN

- **GET**
`/katello/api/v2/organizations/:organization_id/sync_plans/:id/available_products`

List products not in a synchronization plan

Table 80.6. Parameters

Name	Required	Type	Description
search	False	String	Search string
page	False	Number	Page number, starting at 1
per_page	False	Number	Number of results per page to return
order	False	String	Sort field and order. For example, name DESC .
full_results	False	Boolean	Whether or not to show all results
sort	False	Hash	Hash version of order parameter
sort[by]	False	String	Field to use for sorting the results
sort[order]	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
name	False	String	Product name to use as a filter

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80.7. ADD PRODUCTS TO SYNCHRONIZATION PLAN

- **PUT**
/katello/api/v2/organizations/:organization_id/sync_plans/:id/products

Add products to synchronization plan

Table 80.7. Parameters

Name	Required	Type	Description
id	True	String	Synchronization plan identifier
product_ids	True	Array	List of product identifiers to add to the synchronization plan

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80.8. REMOVE PRODUCTS FROM SYNCHRONIZATION PLAN

- **PUT**
/katello/api/v2/organizations/:organization_id/sync_plans/:id/products

Remove products from synchronization plan

Table 80.8. Parameters

Name	Required	Type	Description
id	True	String	Synchronization plan identifier
product_ids	True	Array	List of product identifiers to remove from the synchronization plan

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CHAPTER 81. SYSTEM ERRATA

81.1. SCHEDULE ERRATA FOR INSTALLATION

- **PUT** `/katello/api/v2/systems/:system_id/errata/apply`

Schedule errata for installation

Table 81.1. Parameters

Name	Required	Type	Description
system_id	False	Array	System to install errata
errata_ids	False	Array	List of errata identifiers to install

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81.2. RETRIEVE A SINGLE ERRATA FOR A SYSTEM

- **GET** `/katello/api/v2/systems/:system_id/errata/:id`

Retrieve a single errata for a system

Table 81.2. Parameters

Name	Required	Type	Description
system_id	False	Array	System identifier
id	True	String	Errata ID of the erratum. For example, RHSA-2012:108 .

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CHAPTER 82. SYSTEM PACKAGES

82.1. INSTALL PACKAGES REMOTELY

- **POST** `/api/v2/systems/:system_id/packages`

Install packages remotely

Table 82.1. Parameters

Name	Required	Type	Description
system_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	System identifier
packages	False	Array	List of package names
groups	False	Array	List of package group names

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82.2. UPDATE PACKAGES REMOTELY

- **PUT** `/api/v2/systems/:system_id/packages`

Update packages remotely

Table 82.2. Parameters

Name	Required	Type	Description
system_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	System identifier
packages	False	Array	List of packages names

[Report a bug](#)

82.3. UNINSTALL PACKAGES REMOTELY

- **DELETE** `/api/v2/systems/:system_id/packages`

Uninstall packages remotely

Table 82.3. Parameters

Name	Required	Type	Description
system_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	System identifier
packages	False	Array	List of package names
groups	False	Array	List of package group names

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82.4. INSTALL PACKAGES REMOTELY

- **POST** `/api/v2/systems/:system_id/packages/install`

Install packages remotely

Table 82.4. Parameters

Name	Required	Type	Description
system_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	System identifier
packages	False	Array	List of package names
groups	False	Array	List of package group names

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82.5. UPDATE PACKAGES REMOTELY

- **PUT** `/api/v2/systems/:system_id/packages/upgrade`

Update packages remotely

Table 82.5. Parameters

Name	Required	Type	Description
system_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	System identifier
packages	False	Array	List of packages names

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82.6. UPDATE PACKAGES REMOTELY

- **PUT /api/v2/systems/:system_id/packages/upgrade_all**

Update packages remotely

Table 82.6. Parameters

Name	Required	Type	Description
system_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	System identifier

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82.7. UNINSTALL PACKAGES REMOTELY

- **POST /api/v2/systems/:system_id/packages/remove**

Uninstall packages remotely

Table 82.7. Parameters

Name	Required	Type	Description
------	----------	------	-------------

Name	Required	Type	Description
system_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	System identifier
packages	False	Array	List of package names
groups	False	Array	List of package group names

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CHAPTER 83. SYSTEMS

83.1. LIST SYSTEMS

- **GET** `/katello/api/v2/systems`

List systems

- **GET** `/katello/api/v2/organizations/:organization_id/systems`

List systems in an organization

- **GET** `/katello/api/v2/environments/:environment_id/systems`

List systems in environment

- **GET** `/katello/api/v2/host_collections/:host_collection_id/systems`

List systems in a host collection

Table 83.1. Parameters

Name	Required	Type	Description
name	False	String	Filter systems by name
pool_id	False	String	Filter systems by subscribed pool
uuid	False	String	Filter systems by UUID
organization_id	True	Number	Organization identifier
environment_id	False	String	Environment identifier
host_collection_id	False	String	Host collection identifier
search	False	String	Search string
page	False	Number	Page number, starting at 1
per_page	False	Number	Number of results per page to return
order	False	String	Sort field and order. For example, name DESC .
full_results	False	Boolean	Whether or not to show all results
sort	False	Hash	Hash version of order parameter

Name	Required	Type	Description
sort[by]	False	String	Field to use for sorting the results
sort[order]	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.

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83.2. REGISTER A SYSTEM

- **POST /katello/api/v2/systems**

Register a system

- **POST /katello/api/v2/environments/:environment_id/systems**

Register a system in environment

- **POST /katello/api/v2/host_collections/:host_collection_id/systems**

Register a system in environment

Table 83.2. Parameters

Name	Required	Type	Description
name	True	String	Name of the system
description	False	String	Description of the system
location	False	String	Physical location of the system
facts	True	Hash	Subcollection of system-specific facts
facts[fact]	False	String	Facts about the system in key-value format
type	True	String	Type of the system. Always set to system .
guest_ids	False	Array	List of guests running on this system
installed_products	False	Array	List of products installed on the system
release_ver	False	String	Release version of the system

Name	Required	Type	Description
service_level	False	String	A service level for auto-healing process
last_checkin	False	String	Last check-in time of this system
organization_id	True	Number	Organization identifier
environment_id	False	String	Environment identifier
content_view_id	False	String	Content view identifier
host_collection_id	False	String	Host collection identifier

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83.3. UPDATE SYSTEM INFORMATION

- **PUT /katello/api/v2/systems/:id**

Update system information

Table 83.3. Parameters

Name	Required	Type	Description
id	True	String	UUID of the system
name	False	String	Name of the system
description	False	String	Description of the system
location	False	String	Physical location of the system
facts	True	Hash	Subcollection of system-specific facts
facts[<i>fact</i>]	False	String	Facts about this system in key-value format
type	True	String	Type of the system. Always set to system .
guest_ids	False	Array	List of guests running on this system
installed_products	False	Array	List of products installed on the system

Name	Required	Type	Description
release_ver	False	String	Release version of the system
service_level	False	String	A service level for auto-healing process
last_checkin	False	String	Last check-in time of this system
environment_id	False	String	Environment identifier
content_view_id	False	String	Specify the content view

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83.4. SHOW A SYSTEM

- **GET /katello/api/v2/systems/:id**

Show a system

Table 83.4. Parameters

Name	Required	Type	Description
id	True	String	UUID of the system

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83.5. LIST HOST COLLECTIONS THE SYSTEM DOES NOT BELONG TO

- **GET /katello/api/v2/systems/:id/available_host_collections**

List host collections the system does not belong to

Table 83.5. Parameters

Name	Required	Type	Description
search	False	String	Search string
page	False	Number	Page number, starting at 1
per_page	False	Number	Number of results per page to return
order	False	String	Sort field and order. For example, name DESC .
full_results	False	Boolean	Whether or not to show all results

Name	Required	Type	Description
sort	False	Hash	Hash version of order parameter
sort[by]	False	String	Field to use for sorting the results
sort[order]	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
name	False	String	Host collection name to use as a filter

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83.6. UNREGISTER A SYSTEM

- **DELETE** `/katello/api/v2/systems/:id`

Unregister a system

Table 83.6. Parameters

Name	Required	Type	Description
id	True	String	UUID of the system

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83.7. LIST PACKAGES INSTALLED ON THE SYSTEM

- **GET** `/katello/api/v2/systems/:id/packages`

List packages installed on the system

Table 83.7. Parameters

Name	Required	Type	Description
id	True	String	UUID of the system

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83.8. TRIGGER REFRESH OF SUBSCRIPTIONS

- **PUT** `/katello/api/v2/systems/:id/refresh_subscriptions`

Trigger a refresh of subscriptions, auto-attaching if enabled

Table 83.8. Parameters

Name	Required	Type	Description
id	True	String	UUID of the system

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83.9. LIST ERRATA AVAILABLE FOR THE SYSTEM

- **GET /katello/api/v2/systems/:id/errata**

List errata available for the system

Table 83.9. Parameters

Name	Required	Type	Description
id	True	String	UUID of the system

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83.10. LIST ASYNCHRONOUS TASKS FOR THE SYSTEM

- **GET /katello/api/v2/systems/:id/tasks**

List asynchronous tasks for the system

Table 83.10. Parameters

Name	Required	Type	Description
id	True	String	UUID of the system

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83.11. GET SYSTEM REPORTS

- **GET /katello/api/v2/environments/:environment_id/systems/report**

Get system reports for the environment

- **GET /katello/api/v2/organizations/:organization_id/systems/report**

Get system reports for the organization

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83.12. LIST POOLS A SYSTEM IS SUBSCRIBED TO

- **GET /katello/api/v2/systems/:id/pools**

List pools a system is subscribed

Table 83.11. Parameters

Name	Required	Type	Description
id	True	String	UUID of the system
match_system	False	Must be one of: true, false.	Match pools to system
match_installed	False	Must be one of: true, false.	Match pools to installed
no_overlap	False	Boolean	Allow overlap

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83.13. SHOW RELEASES AVAILABLE FOR THE SYSTEM

- **GET** /katello/api/v2/systems/:id/releases

Show releases available for the system

Table 83.12. Parameters

Name	Required	Type	Description
id	True	String	UUID of the system

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83.14. UPDATE THE INFORMATION ABOUT ENABLED REPOSITORIES

- **PUT** /katello/api/v2/systems/:id/enabled_repos

Update the information about enabled repositories

Table 83.13. Parameters

Name	Required	Type	Description
enabled_repos	True	Hash	Enabled repositories subcollection
enabled_repos[repos]	True	Array of nested elements	List of repositories
id	True	String	UUID of the system

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CHAPTER 84. SYSTEMS BULK ACTIONS

84.1. ADD ONE OR MORE HOST COLLECTIONS TO ONE OR MORE CONTENT HOSTS

- **PUT /katello/api/v2/systems/bulk/add_host_collections**

Add one or more host collections to one or more content hosts

Table 84.1. Parameters

Name	Required	Type	Description
include	True	Hash	Include subcollection
include[search]	False	String	Search string for systems to perform an action
include[ids]	False	Array	List of system identifiers to perform an action
exclude	True	Hash	Exclude subcollection
exclude[ids]	False	Array	List of system identifiers to exclude and not run an action
host_collection_ids	True	Array	List of host collection identifiers

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84.2. REMOVE ONE OR MORE HOST COLLECTIONS FROM ONE OR MORE CONTENT HOSTS

- **PUT /katello/api/v2/systems/bulk/remove_host_collections**

Remove one or more host collections from one or more content hosts

Table 84.2. Parameters

Name	Required	Type	Description
include	True	Hash	Include subcollection
include[search]	False	String	Search string for systems to perform an action
include[ids]	False	Array	List of system identifiers to perform an action

Name	Required	Type	Description
exclude	True	Hash	Exclude subcollection
exclude[ids]	False	Array	List of system identifiers to exclude and not run an action
host_collection_ids	True	Array	List of host collection identifiers

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84.3. FETCH APPLICABLE ERRATA FOR A SYSTEM

- **POST /katello/api/v2/systems/bulk/applicable_errata**

Fetch applicable errata for a system.

Table 84.3. Parameters

Name	Required	Type	Description
include	True	Hash	Include subcollection
include[search]	False	String	Search string for systems to perform an action
include[ids]	False	Array	List of system identifiers to perform an action
exclude	True	Hash	Exclude subcollection
exclude[ids]	False	Array	List of system identifiers to exclude and not run an action

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84.4. INSTALL CONTENT ON ONE OR MORE SYSTEMS

- **PUT /katello/api/v2/systems/bulk/install_content**

Install content on one or more systems

Table 84.4. Parameters

Name	Required	Type	Description
include	True	Hash	Include subcollection

Name	Required	Type	Description
include[search]	False	String	Search string for systems to perform an action
include[ids]	False	Array	List of system identifiers to perform an action
exclude	True	Hash	Exclude subcollection
exclude[ids]	False	Array	List of system identifiers to exclude and not run an action
content_type	True	String	The type of content. The following types are supported: package , package_group , and errata .
content	True	Array	List of content, such as package names, package group names, or errata IDs

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84.5. UPDATE CONTENT ON ONE OR MORE SYSTEMS

- **PUT /katello/api/v2/systems/bulk/update_content**

Update content on one or more systems

Table 84.5. Parameters

Name	Required	Type	Description
include	True	Hash	Include subcollection
include[search]	False	String	Search string for systems to perform an action
include[ids]	False	Array	List of system identifiers to perform an action
exclude	True	Hash	Exclude subcollection
exclude[ids]	False	Array	List of system identifiers to exclude and not run an action
content_type	True	String	The type of content. The following types are supported: package and package_group .

Name	Required	Type	Description
content	True	Array	List of content, such as package names and package group names.

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84.6. REMOVE CONTENT ON ONE OR MORE SYSTEMS

- **PUT /katello/api/v2/systems/bulk/remove_content**

Remove content on one or more systems

Table 84.6. Parameters

Name	Required	Type	Description
include	True	Hash	Include subcollection
include[search]	False	String	Search string for systems to perform an action
include[ids]	False	Array	List of system identifiers to perform an action
exclude	True	Hash	Exclude subcollection
exclude[ids]	False	Array	List of system identifiers to exclude and not run an action
content_type	True	String	The type of content. The following types are supported: package and package_group .
content	True	Array	List of content, such as package names and package group names.

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84.7. DESTROY ONE OR MORE SYSTEMS

- **PUT /katello/api/v2/systems/bulk/destroy**

Destroy one or more systems

Table 84.7. Parameters

Name	Required	Type	Description
include	True	Hash	Include subcollection
include[search]	False	String	Search string for systems to perform an action
include[ids]	False	Array	List of system identifiers to perform an action
exclude	True	Hash	Exclude subcollection
exclude[ids]	False	Array	List of system identifiers to exclude and not run an action

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84.8. ASSIGN THE ENVIRONMENT AND CONTENT VIEW TO ONE OR MORE SYSTEMS

- **PUT /katello/api/v2/systems/bulk/environment_content_view**

Assign the environment and content view to one or more systems

Table 84.8. Parameters

Name	Required	Type	Description
include	True	Hash	Include subcollection
include[search]	False	String	Search string for systems to perform an action
include[ids]	False	Array	List of system identifiers to perform an action
exclude	True	Hash	Exclude subcollection
exclude[ids]	False	Array	List of system identifiers to exclude and not run an action
environment_id	False	Integer	Environment identifier
content_view_id	False	Integer	Content view identifier

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CHAPTER 85. TASKS

85.1. LIST TASKS OF GIVEN ORGANIZATION

- **GET** `/api/v2/organizations/:organization_id/tasks`

List tasks of given organization

Table 85.1. Parameters

Name	Required	Type	Description
organization_id	True	Number	Organization identifier

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85.2. SHOW A TASK INFORMATION

- **GET** `/api/v2/tasks/:id`

Show a task information

Table 85.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Task identifier

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CHAPTER 86. TEMPLATE COMBINATIONS

86.1. LIST TEMPLATE COMBINATION

- **GET** `/api/v2/config_templates/:config_template_id/template_combinations`

List Template Combination

Table 86.1. Parameters

Name	Required	Type	Description
config_template_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Configuration template identifier

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86.2. ADD A TEMPLATE COMBINATION

- **POST** `/api/v2/config_templates/:config_template_id/template_combinations`

Add a Template Combination

Table 86.2. Parameters

Name	Required	Type	Description
config_template_id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Configuration template identifier
template_combination	True	Hash	Template combination subcollection
template_combination[environment_id]	False	Number	Environment identifier
template_combination[hostgroup_id]	False	Number	Hostgroup identifier

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86.3. SHOW TEMPLATE COMBINATION

- **GET** `/api/v2/template_combinations/:id`

Show Template Combination

Table 86.3. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Template combination identifier

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86.4. DELETE A TEMPLATE

- **DELETE** `/api/v2/template_combinations/:id`

Delete a template

Table 86.4. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Template combination identifier

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CHAPTER 87. TEMPLATE KINDS

87.1. LIST ALL TEMPLATE KINDS

- `GET /api/v2/template_kinds`

List all template kinds.

Table 87.1. Parameters

Name	Required	Type	Description
<code>page</code>	False	String	Page number, starting at 1
<code>per_page</code>	False	String	Number of results per page to return

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CHAPTER 88. USERGROUPS

88.1. LIST ALL USERGROUPS

- **GET** `/api/v2/usergroups`

List all usergroups.

Table 88.1. Parameters

Name	Required	Type	Description
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.

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88.2. SHOW A USERGROUP

- **GET** `/api/v2/usergroups/:id`

Show a usergroup.

Table 88.2. Parameters

Name	Required	Type	Description
id	True	String from 2 to 128 characters containing only alphanumeric characters, space, underscores, and dashes but no leading or trailing space	Usergroup identifier

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88.3. CREATE A USERGROUP

- **POST** `/api/v2/usergroups`

Create a usergroup.

Table 88.3. Parameters

Name	Required	Type	Description
usergroup	False	Hash	Usergroup subcollection
usergroup[name]	True	String	Usergroup name
usergroup[user_ids]	False	Array	List of users to attach to the usergroup
usergroup[usergroup_ids]	False	Array	List of child usergroups to attach to the parent usergroup
usergroup[role_ids]	False	Array	List of roles to attach to the usergroup

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88.4. UPDATE A USERGROUP

- **PUT /api/v2/usergroups/:id**

Update a usergroup.

Table 88.4. Parameters

Name	Required	Type	Description
id	True	String	Usergroup identifier
usergroup	False	Hash	Usergroup subcollection
usergroup[name]	False	String	Usergroup name
usergroup[user_ids]	False	Array	List of users to attach to the usergroup
usergroup[usergroup_ids]	False	Array	List of child usergroups to attach to the parent usergroup
usergroup[role_ids]	False	Array	List of roles to attach to the usergroup

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88.5. DELETE A USERGROUP

- **DELETE /api/v2/usergroups/:id**

Delete a usergroup.

Table 88.5. Parameters

Name	Required	Type	Description
id	True	String	Usergroup identifier

[Report a bug](#)

CHAPTER 89. USERS

89.1. LIST ALL USERS

- **GET** `/api/v2/users`

List all users.

Table 89.1. Parameters

Name	Required	Type	Description
search	False	String	Search string
order	False	String	How to order the sorted results. Use ASC for ascending and DESC descending.
page	False	String	Page number, starting at 1
per_page	False	String	Number of results per page to return

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89.2. SHOW A USER

- **GET** `/api/v2/users/:id`

Show an user.

Table 89.2. Parameters

Name	Required	Type	Description
id	True	String	User identifier

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89.3. CREATE A USER

- **POST** `/api/v2/users`

Create an user.

Table 89.3. Parameters

Name	Required	Type	Description
user	False	Hash	User subcollection

Name	Required	Type	Description
<code>user[login]</code>	True	String	User login
<code>user[firstname]</code>	False	String	User first name
<code>user[lastname]</code>	False	String	User last name
<code>user[mail]</code>	True	String	User email address
<code>user[admin]</code>	False	Boolean	Define if the user is an administrator
<code>user[password]</code>	True	String	User password
<code>user[default_location_id]</code>	False	Integer	Default location identifier
<code>user[default_organization_id]</code>	False	Integer	Default organization identifier
<code>user[auth_source_id]</code>	True	Integer	Authentication source of the user

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89.4. UPDATE A USER

- **PUT /api/v2/users/:id**

Update an user.

Table 89.4. Parameters

Name	Required	Type	Description
<code>id</code>	True	String	User identifier
<code>user</code>	False	Hash	User subcollection
<code>user[login]</code>	True	String	User login
<code>user[firstname]</code>	False	String	User first name
<code>user[lastname]</code>	False	String	User last name
<code>user[mail]</code>	True	String	User email address
<code>user[admin]</code>	False	Boolean	Define if the user is an administrator

Name	Required	Type	Description
user[password]	True	String	User password
user[default_location_id]	False	Integer	Default location identifier
user[default_organization_id]	False	Integer	Default organization identifier
user[auth_source_id]	True	Integer	Authentication source of the user

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89.5. DELETE A USER

- **DELETE** /api/v2/users/:id

Delete an user.

Table 89.5. Parameters

Name	Required	Type	Description
id	True	String	User identifier

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APPENDIX A. REVISION HISTORY

Revision 2-3 BZ 1258102: Updated the Satellite 6.0 API Guide with the correct URL.	Tue Feb 2 2016	Byron Gravenorst
Revision 1-0 Red Hat Satellite 6.0 GA Release	Tue Sep 9 2014	Athene Chan
Revision 0-9.1 Edited content specification details.	Tue Jul 1 2014	Athene Chan
Revision 0-9 Preparing book for Beta release.	Mon Jun 30 2014	Athene Chan
Revision 0-8.403 Rebuild with Publican 4.0.0	Mon Nov 11 2013	Rüdiger Landmann
Revision 0-08 Fixing minor errors.	Mon Nov 11 2013	Dan Macpherson
Revision 0-07 Preparation for MDP2.	Mon 11 Nov 2013	Dan Macpherson
Revision 0-06 Finalizing QE review implementation.	Wed 09 Oct 2013	Dan Macpherson
Revision 0-05 Minor QE review fixes.	Thu 26 Sep 2013	Dan Macpherson
Revision 0-04 Minor QE review fixes.	Wed 25 Sep 2013	Dan Macpherson
Revision 0-03 Implementation of QE review feedback.	Wed 25 Sep 2013	Dan Macpherson
Revision 0-02 Build of book for technical review.	Wed 14 Aug 2013	Dan Macpherson
Revision 0-01 Initial book creation of the Red Hat Satellite API Guide.	Tue 28 May 2013	Athene Chan