



Red Hat Satellite 6.10

Hammer Cheat Sheet

Hammer CLI Cheat Sheet for Red Hat Satellite

Red Hat Satellite 6.10 Hammer Cheat Sheet

Hammer CLI Cheat Sheet for Red Hat Satellite

Red Hat Satellite Documentation Team

satellite-doc-list@redhat.com

Legal Notice

Copyright © 2023 Red Hat, Inc.

The text of and illustrations in this document are licensed by Red Hat under a Creative Commons Attribution–Share Alike 3.0 Unported license ("CC-BY-SA"). An explanation of CC-BY-SA is available at

<http://creativecommons.org/licenses/by-sa/3.0/>

. In accordance with CC-BY-SA, if you distribute this document or an adaptation of it, you must provide the URL for the original version.

Red Hat, as the licensor of this document, waives the right to enforce, and agrees not to assert, Section 4d of CC-BY-SA to the fullest extent permitted by applicable law.

Red Hat, Red Hat Enterprise Linux, the Shadowman logo, the Red Hat logo, JBoss, OpenShift, Fedora, the Infinity logo, and RHCE are trademarks of Red Hat, Inc., registered in the United States and other countries.

Linux[®] is the registered trademark of Linus Torvalds in the United States and other countries.

Java[®] is a registered trademark of Oracle and/or its affiliates.

XFS[®] is a trademark of Silicon Graphics International Corp. or its subsidiaries in the United States and/or other countries.

MySQL[®] is a registered trademark of MySQL AB in the United States, the European Union and other countries.

Node.js[®] is an official trademark of Joyent. Red Hat is not formally related to or endorsed by the official Joyent Node.js open source or commercial project.

The OpenStack[®] Word Mark and OpenStack logo are either registered trademarks/service marks or trademarks/service marks of the OpenStack Foundation, in the United States and other countries and are used with the OpenStack Foundation's permission. We are not affiliated with, endorsed or sponsored by the OpenStack Foundation, or the OpenStack community.

All other trademarks are the property of their respective owners.

Abstract

This document contains Hammer CLI commands for Red Hat Satellite.

Table of Contents

CHAPTER 1. INTRODUCTION	3
CHAPTER 2. GENERAL INFORMATION	4
CHAPTER 3. ORGANIZATIONS, LOCATIONS, AND REPOSITORIES	5
CHAPTER 4. CONTENT LIFE CYCLES	7
CHAPTER 5. PROVISIONING ENVIRONMENTS	9
CHAPTER 6. ACTIVATION KEYS	11
CHAPTER 7. USERS AND PERMISSIONS	12
CHAPTER 8. ERRATA	13
CHAPTER 9. HOSTS	14
CHAPTER 10. TASKS	16

CHAPTER 1. INTRODUCTION

Hammer is a command-line tool provided with Red Hat Satellite 6. You can use Hammer to configure and manage a Red Hat Satellite Server by using either CLI commands or shell script automation. The following cheat sheet provides a condensed overview of essential Hammer commands.

For more information about Hammer, see the [Red Hat Hammer CLI Guide](#).

CHAPTER 2. GENERAL INFORMATION

Table 2.1. General Information

Subcommand	Description and tasks
--help	Display hammer commands and options, append after a subcommand to get more information
org	The setting is organization-specific, append --organization <i>org_name</i> , or set default organization with: <pre>hammer defaults add \ --param-name <i>organization_id</i> \ --param-value <i>org_ID</i></pre>
loc	The setting is location-specific, append --location <i>loc_name</i> , or set default location with: <pre>hammer defaults add \ --param-name <i>location_id</i> \ --param-value <i>loc_ID</i></pre>

Note: This cheat sheet assumes saved credentials in `~/.hammer/cli_config.yml`. For more information, see [Authentication](#) in the [Red Hat Hammer CLI Guide](#).

CHAPTER 3. ORGANIZATIONS, LOCATIONS, AND REPOSITORIES

Table 3.1. Organizations, Locations, and Repositories

Subcommand	Description and tasks
organization	Create an organization: <pre data-bbox="555 481 970 577">hammer organization create \ --name <i>org_name</i></pre> List organizations: <pre data-bbox="555 683 911 723">hammer organization list</pre>
location	See the options for organization
subscription org	Upload a subscription manifest: <pre data-bbox="555 947 975 1021">hammer subscription upload \ --file path</pre>
repository-set org	Enable a repository: <pre data-bbox="555 1160 995 1339">hammer repository-set enable \ --product <i>prod_name</i> \ --basearch <i>base_arch</i> \ --releasever <i>rel_v</i> \ --name <i>repo_name</i></pre>

Subcommand	Description and tasks
repository org	<p>Synchronize a repository:</p> <pre>hammer repository synchronize \ --product <i>prod_name</i> \ --name <i>repo_name</i></pre> <p>Create a custom repository:</p> <pre>hammer repository create \ --product <i>prod_name</i> \ --content-type <i>cont_type</i> \ --publish-via-http true \ --url <i>repo_url</i> \ --name <i>repo_name</i></pre> <p>Upload content to a custom repository:</p> <pre>hammer repository upload-content \ --product <i>prod_name</i> \ --id <i>repo_id</i> \ --path <i>path_to_dir</i></pre>

CHAPTER 4. CONTENT LIFE CYCLES

Table 4.1. Content Life Cycles

Subcommand	Description and tasks
lifecycle-environment org	<p>Create a life cycle environment:</p> <pre>hammer lifecycle-environment create \ --name <i>env_name</i> --description <i>env_desc</i> --prior <i>prior_env_name</i></pre> <p>List life cycle environments:</p> <pre>hammer lifecycle-environment list</pre>

Subcommand	Description and tasks
content-view org	<p>Create a content view:</p> <pre>hammer content-view create \ --name <i>cv_n</i> \ --repository-ids <i>repo_ID1,...</i> \ --description <i>cv_description</i></pre> <p>Add repositories to a content view:</p> <pre>hammer content-view add-repository \ --name <i>cv_n</i> \ --repository-id <i>repo_ID</i></pre> <p>Add Puppet modules to a content view:</p> <pre>hammer content-view puppet-module add \ --content-view <i>cv_n</i> \ --name <i>module_name</i></pre> <p>Publishing a content view:</p> <pre>hammer content-view publish \ --id <i>cv_ID</i></pre> <p>Promoting a content view:</p> <pre>hammer content-view version promote \ --content-view <i>cv_n</i> \ --to-lifecycle-environment <i>env_name</i></pre> <p>Incremental update of a content view:</p> <pre>hammer content-view version incremental-update \ --content-view-version-id <i>cv_ID</i> \ --packages <i>pkg_n1,...</i> \ --lifecycle-environment-ids <i>env_ID1,...</i></pre>

CHAPTER 5. PROVISIONING ENVIRONMENTS

Table 5.1. Provisioning Environments

Subcommand	Description and tasks
domain	<p>Create a domain:</p> <pre>hammer domain create \ --name <i>domain_name</i></pre>
subnet org loc	<p>Add a subnet:</p> <pre>hammer subnet create \ --name <i>subnet_name</i> \ --organization-ids <i>org_ID1,...</i> \ --location-ids <i>loc_ID1,...</i> \ --domain-ids <i>dom_ID1,...</i> \ --boot-mode <i>boot_mode</i> \ --network <i>network_address</i> \ --mask <i>netmask</i> --ipam <i>ipam</i></pre>
compute-resource org loc	<p>Create a compute resource:</p> <pre>hammer compute-resource create \ --name <i>cr_name</i> \ --organization-ids <i>org_ID1,...</i> \ --location-ids <i>loc_ID1,...</i> \ --provider <i>provider_name</i></pre>
medium	<p>Add an installation medium:</p> <pre>hammer medium create \ --name <i>med_name</i> \ --path <i>path_to_medium</i></pre>
partition-table	<p>Add a partition table:</p> <pre>hammer partition-table create \ --name <i>tab_name</i> \ --path <i>path_to_file</i> \ --os-family <i>os_family</i></pre>
template	<p>Add a provisioning template:</p> <pre>hammer template create \ --name <i>tmp_name</i> \ --file <i>path_to_template</i></pre>

Subcommand	Description and tasks
os	Add an operating system: <pre>hammer os create \ --name <i>os_name</i> \ --version <i>version_num</i></pre>

CHAPTER 6. ACTIVATION KEYS

Table 6.1. Activation Keys

Subcommand	Description and tasks
activation-key org	<p>Create an activation key:</p> <pre>hammer activation-key create \ --name <i>ak_name</i> \ --content-view <i>cv_n</i> \ --lifecycle-environment <i>lc_name</i></pre> <p>Add a subscription to the activation key:</p> <pre>hammer activation-key add-subscription \ --id <i>ak_ID</i> \ --subscription-id <i>sub_ID</i></pre>

CHAPTER 7. USERS AND PERMISSIONS

Table 7.1. Users and Permissions

Subcommand	Description and tasks
user org	Create a user: <pre data-bbox="555 427 1070 618">hammer user create \ --login <i>user_name</i> \ --mail <i>user_mail</i> \ --auth-source-id 1 \ --organization-ids <i>org_ID1,org_ID2,...</i></pre> Add a role to a user: <pre data-bbox="555 734 895 842">hammer user add-role \ --id <i>user_id</i> \ --role <i>role_name</i></pre>
user-group	Create a user group: <pre data-bbox="555 981 954 1055">hammer user-group create \ --name <i>ug_name</i></pre> Add a role to a user group: <pre data-bbox="555 1171 979 1279">hammer user-group add-role \ --id <i>ug_id</i> \ --role <i>role_name</i></pre>
role	Create a role: <pre data-bbox="555 1417 863 1491">hammer role create \ --name <i>role_name</i></pre>
filter	Create a filter and add it to a role: <pre data-bbox="555 1630 1098 1738">hammer filter create \ --role <i>role_name</i> \ --permission-ids <i>perm_ID1,perm_ID2,...</i></pre>

CHAPTER 8. ERRATA

Table 8.1. Errata

Subcommand	Description and tasks
erratum	<p>List errata:</p> <pre>hammer erratum list</pre> <p>Find erratum by CVE:</p> <pre>hammer erratum list --cve CVE</pre> <p>Inspect erratum:</p> <pre>hammer erratum info --id <i>err_ID</i></pre>
host	<p>List errata applicable to a host:</p> <pre>hammer host errata list \ --host <i>host_name</i></pre> <p>Apply errata to a host:</p> <pre>hammer host errata apply \ --host <i>host_name</i> \ --errata-ids <i>err_ID1, err_ID2,...</i></pre>

CHAPTER 9. HOSTS

Table 9.1. Hosts

Subcommand	Description and tasks
hostgroup org loc	<p>Create a host group:</p> <pre>hammer hostgroup create \ --name <i>hg_name</i> \ --puppet-environment <i>env_name</i> \ --architecture <i>arch_name</i> \ --domain <i>domain_name</i> \ --subnet <i>subnet_name</i> \ --puppet-proxy <i>proxy_name</i> \ --puppet-ca-proxy <i>ca-proxy_name</i> \ --operatingsystem <i>os_name</i> \ --partition-table <i>table_name</i> \ --medium <i>medium_name</i> \ --organization-ids <i>org_ID1</i>,... \ --location-ids <i>loc_ID1</i>,...</pre> <p>Add an activation key to a host group:</p> <pre>hammer hostgroup set-parameter \ --hostgroup "hg_name" \ --name "kt_activation_keys" \ --value <i>key_name</i></pre>
host org loc	<p>Create a host (inheriting parameters from a host group):</p> <pre>hammer host create \ --name <i>host_name</i> \ --hostgroup <i>hg_name</i> \ --interface="primary=true, \ mac=<i>mac_addr</i>, ip=<i>ip_addr</i>, \ provision=true" \ --organization-id <i>org_ID</i> \ --location-id <i>loc_ID</i> \ --ask-root-password yes</pre>
job-template	<p>Add a job template for remote execution:</p> <pre>hammer job-template create \ --file <i>path</i> \ --name <i>template_name</i> \ --provider-type SSH \ --job-category <i>category_name</i></pre>

Subcommand	Description and tasks
job-invocation	<p data-bbox="555 219 794 250">Invoke a remote job:</p> <pre data-bbox="555 280 997 443">hammer job-invocation create \ --job-template <i>template_name</i> \ --inputs key1=<i>value</i>,... \ --search-query <i>query</i></pre> <p data-bbox="555 481 833 512">Monitor the remote job:</p> <pre data-bbox="555 542 997 629">hammer job-invocation output \ --id <i>job_id</i> --host <i>host_name</i></pre>

CHAPTER 10. TASKS

Table 10.1. Tasks

Subcommand	Description and tasks
task	List all tasks: hammer task list Monitor progress of a running task: hammer task progress \ --id <i>task_ID</i>