



## Red Hat Satellite 6.4

### Hammer Cheat Sheet

Hammer CLI Cheat Sheet for Red Hat Satellite 6.4.



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## Abstract

This document contains Hammer CLI commands for Red Hat Satellite 6.4.

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## 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](#).

## 2. GENERAL INFORMATION

Table 1. General Information

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

## 3. ORGANIZATIONS, LOCATIONS, AND REPOSITORIES

Table 2. Organizations, Locations, and Repositories

Subcommand	Description and tasks
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Subcommand	Description and tasks
<b>organization</b>	<p>Create an organization:</p> <pre>hammer organization create \ --name <i>org_name</i></pre> <p>List organizations:</p> <pre>hammer organization list</pre>
<b>location</b>	See the options for organization
<b>subscription org</b>	<p>Upload a subscription manifest:</p> <pre>hammer subscription upload \ --file path</pre>
<b>repository-set org</b>	<p>Enable a repository:</p> <pre>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>
<b>repository org</b>	<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>

## 4. CONTENT LIFE CYCLES

Table 3. Content Life Cycles

Subcommand	Description and tasks
<b>lifecycle-environment</b> 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>
<b>content-view</b> 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> \ --environment-ids <i>env_ID1,...</i></pre>



## 5. PROVISIONING ENVIRONMENTS

Table 4. Provisioning Environments

Subcommand	Description and tasks
<b>domain</b>	Create a domain: <pre data-bbox="544 421 895 510">hammer domain create \ --name <i>domain_name</i></pre>
<b>subnet</b> org loc	Add a subnet: <pre data-bbox="544 645 963 927">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>
<b>compute-resource</b> org loc	Create a compute resource: <pre data-bbox="544 1070 1031 1249">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>
<b>medium</b>	Add an installation medium: <pre data-bbox="544 1391 903 1496">hammer medium create \ --name <i>med_name</i> \ --path <i>path_to_medium</i></pre>
<b>partition-table</b>	Add a partition table: <pre data-bbox="544 1637 975 1778">hammer partition-table create \ --name <i>tab_name</i> \ --path <i>path_to_file</i> \ --os-family <i>os_family</i></pre>
<b>template</b>	Add a provisioning template: <pre data-bbox="544 1921 911 2027">hammer template create \ --name <i>tmp_name</i> \ --file <i>path_to_template</i></pre>

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

## 6. ACTIVATION KEYS

Table 5. Activation Keys

Subcommand	Description and tasks
<b>activation-key org</b>	<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>

## 7. USERS AND PERMISSIONS

Table 6. Users and Permissions

Subcommand	Description and tasks
<b>user org</b>	<p>Create a user:</p> <pre>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> <p>Add a role to a user:</p> <pre>hammer user add-role \ --id <i>user_id</i> \ --role <i>role_name</i></pre>

Subcommand	Description and tasks
<b>user-group</b>	<p>Create a user group:</p> <pre>hammer user-group create \ --name <i>ug_name</i></pre> <p>Add a role to a user group:</p> <pre>hammer user-group add-role \ --id <i>ug_id</i> \ --role <i>role_name</i></pre>
<b>role</b>	<p>Create a role:</p> <pre>hammer role create \ --name <i>role_name</i></pre>
<b>filter</b>	<p>Create a filter and add it to a role:</p> <pre>hammer filter create \ --role <i>role_name</i> \ --permission-ids <i>perm_ID1,perm_ID2,...</i></pre>

## 8. ERRATA

Table 7. Errata

Subcommand	Description and tasks
<b>erratum</b>	<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>

Subcommand	Description and tasks
<b>host</b>	<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>

## 9. DOCKER CONTAINERS

Table 8. Docker Containers

Subcommand	Description and tasks
<b>docker</b>	<p>Create a container:</p> <pre>hammer docker container create \ --name <i>container_name</i> \ --compute-resource-id <i>cr_ID</i> \ --repository-name <i>repo_name</i> \ --tag <i>tag</i> --command <i>command</i></pre> <p>Start a container:</p> <pre>hammer docker container start \ --id <i>cont_ID</i></pre>

## 10. HOSTS

Table 9. Hosts

Subcommand	Description and tasks
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Subcommand	Description and tasks
<b>hostgroup</b> org loc	<p>Create a host group:</p> <pre>hammer hostgroup create \ --name <i>hg_name</i> \ --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>
<b>host</b> 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>
<b>job-template</b>	<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
<b>job-invocation</b>	<p>Invoke a remote job:</p> <pre>hammer job-invocation create \ --job-template <i>template_name</i> \ --inputs key1=<i>value</i>,... \ --search-query <i>query</i></pre> <p>Monitor the remote job:</p> <pre>hammer job-invocation output \ --id <i>job_id</i> --host <i>host_name</i></pre>

## 11. TASKS

Table 10. Tasks

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