



Red Hat Satellite Power User Tips and Tricks

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Welcome!

- I am so glad you're here!
- It's been several years since I presented at Summit, so I'm thrilled to be back.
- I appreciate you coming so early in the morning!



Agenda

What are we going to be talking about?

Agenda

- What we're going to talk about in 45 minutes
 - ▶ Intro
 - ▶ A little background/history
 - ▶ Installation
 - ▶ The Manifest
 - ▶ Syncing content
 - ▶ Tell Satellite about your world!
 - ▶ Domains
 - ▶ Locations
 - ▶ Subnets
 - ▶ Lifecycle environments
 - ▶ Host Collections
 - ▶ Content Views
 - ▶ Puppet
 - ▶ Installation Media
 - ▶ Provisioning Templates
 - ▶ Operating Systems
 - ▶ Activation Keys
 - ▶ Host Groups
 - ▶ Compute Resources
 - ▶ Build a New Host

We're going to be moving FAST!

- These slides are available in my github repo (<https://github.com/tdcam>).





Intro

**Who am I, and why am I presenting on
this?**

I'm Thomas!

Been doing this since 1993 (31 years)

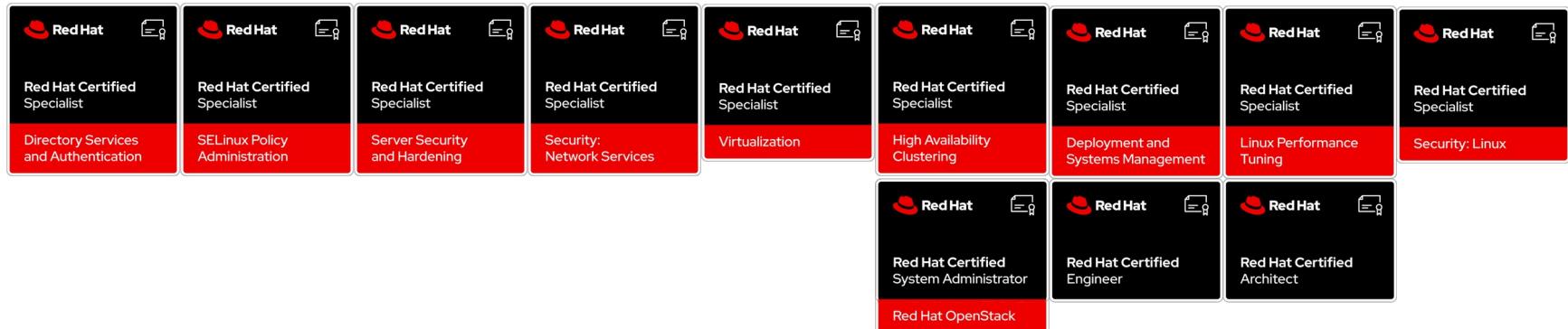
Started out with Novell NetWare 3.11 at Xerox



Worked for Microsoft during the launch of Windows 95



Worked for Red Hat for ~14 years from 2005 - 2019



I'm Thomas!

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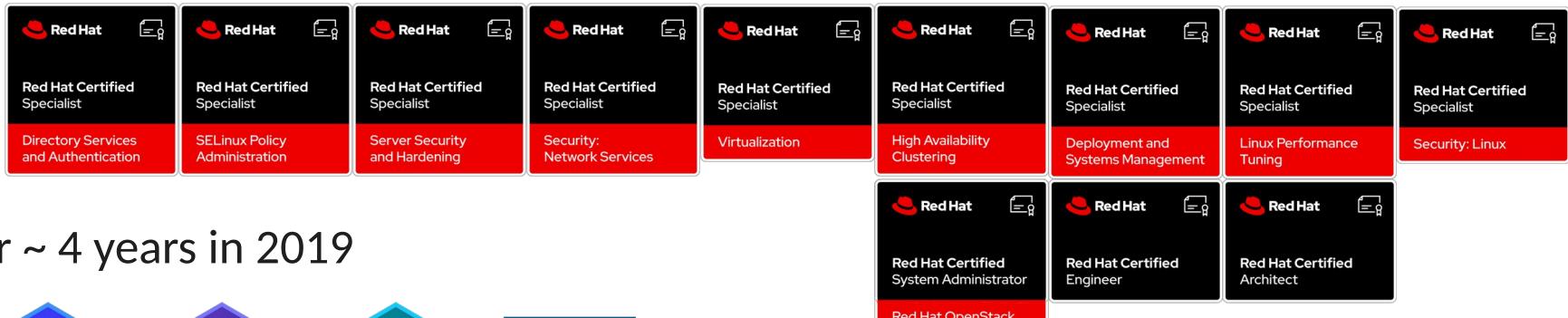
Started out with Novell NetWare 3.11 at Xerox



Worked for Microsoft during the launch of Windows 95



Worked for Red Hat for ~14 years from 2005 - 2019



Worked for AWS for ~ 4 years in 2019



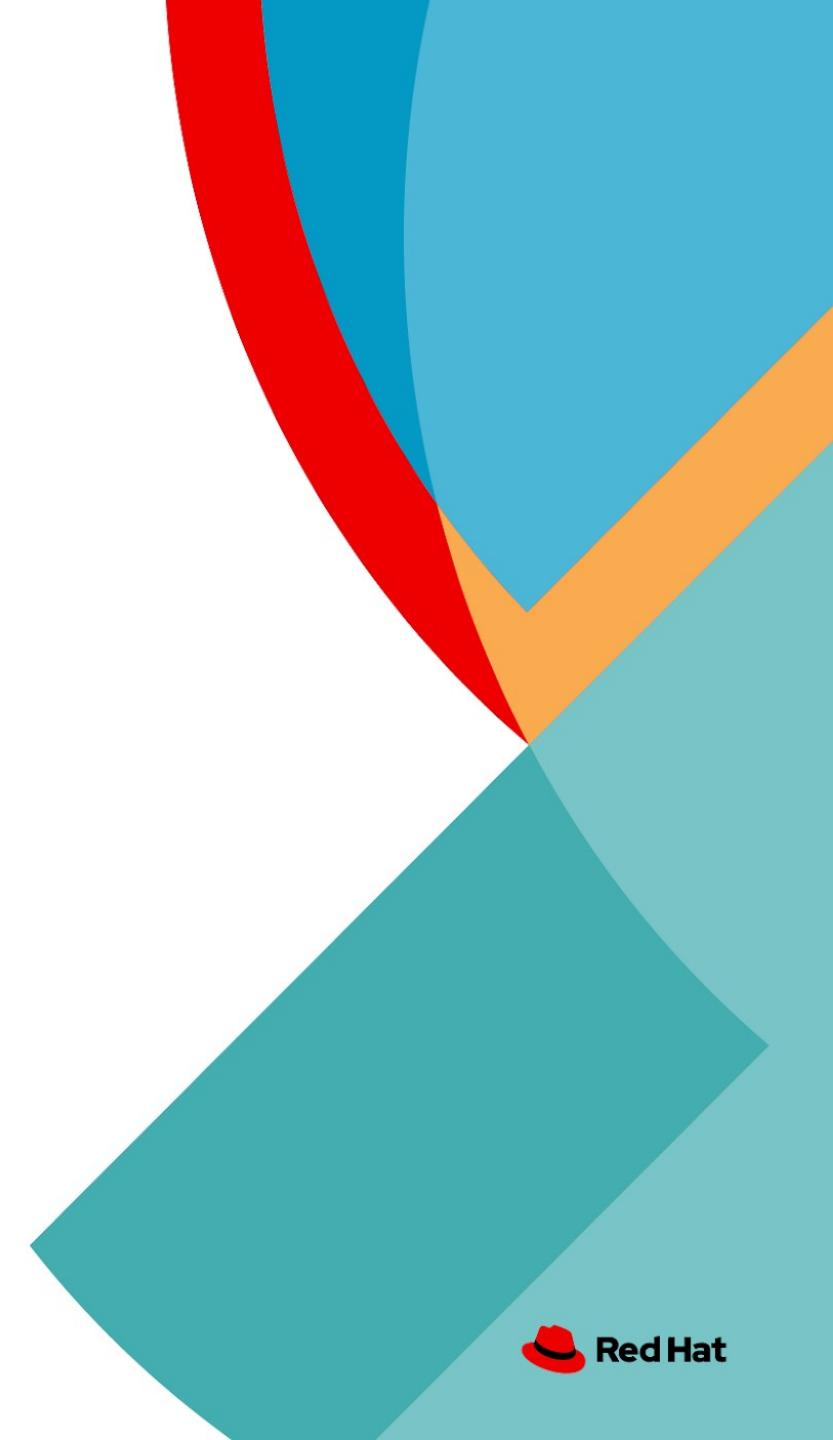
Now I'm the Red Hat practice lead at Sparksoft





Background

Where are we coming from?



A Little History

- Red Hat Satellite was Initially designed re-using code from rhn.redhat.com (RHAS 2.1)
- First released as a set of perl scripts and tarballs
 - Required in depth experience, close work with the RHN engineering team, and the bottled tears of Isidore of Seville, the patron saint of software engineers
- Initially closed source due to inclusion of proprietary database from The Vendor Who Shall Not Be Named
 - But OSS DB tech caught up, and v. 5 was fully Open Source
- Relatively monolithic design, new features (monitoring, API support, etc.) were bolted on over time



A Little History

- Version 5 is very full featured, supporting physical and virtual machine provisioning.
- Not designed for cloud scale, though. Build/config one system then replicate it.
- Upstream is the (now defunct) Spacewalk project.



Satellite Today

- Version 6 is a COMPLETE REWRITE. There is no code shared between the products.
- Based on a number of upstream projects:
- katello - content management
- foreman - lifecycle management
- candlepin - subscription management
- pulp - content repository management
- PostgreSQL - database backend
- mongoDB – noSQL
- Designed for cloud scale and ease of use in large, distributed environments
- 100% Open Source





Installation

How do we set it up right the first time?

Installation

- I did a super basic installation of RHEL 8 on a VM with 24 gigs of memory and 16 cores
 - @^minimal-environment
- I created a 400 gig drive
 - /var/log - 10 gigs
 - /var/lib/pgsql - 20 gigs
 - /usr - 5 gigs
 - /opt/puppetlabs - 1 gig
 - /var/lib/pulp - 300 gigs
 - / - 70 gigs

Kickstart file

```
#version=RHEL8
# Use text install
text
reboot

repo --name="AppStream" --baseurl=http://172.31.100.1/rhel8.9/AppStream

%packages
@^minimal-environment
@base
@core

%end

# Keyboard layouts
keyboard --xlayouts='us'
# System language
lang en_US.UTF-8

# Network information
network --hostname=localhost.localdomain

# Use network installation
url --url="http://172.31.100.1/rhel8.9/"

# Run the Setup Agent on first boot
firstboot --disable
```

Kickstart file

```
ignoredisk --only-use=vda
# Partition clearing information
clearpart --all --initlabel
# Disk partitioning information
part pv.103 --fstype="lvmpv" --ondisk=vda --size=1 --grow
part /boot --fstype="xfs" --ondisk=vda --size=1024
volgroup rhel --pesize=4096 pv.103
logvol /var/lib/pulp --fstype="xfs" --size=1 --grow --name=var_lib_pulp --vgname=rhel
logvol /opt/puppetlabs --fstype="xfs" --size=1024 --name=opt_puppetlabs --vgname=rhel
logvol /usr --fstype="xfs" --size=5120 --name=usr --vgname=rhel
logvol /var/lib/pgsql --fstype="xfs" --size=20480 --name=var_lib_pgsql --vgname=rhel
logvol / --fstype="xfs" --size=71680 --name=root --vgname=rhel
logvol swap --fstype="swap" --size=12096 --name=swap --vgname=rhel
logvol /var/log --fstype="xfs" --size=10240 --name=var_log --vgname=rhel

# System timezone
timezone America/Chicago --isUtc

# Root password
rootpw --iscrypted [redacted password]
%addon com_redhat_kdump --disable --reserve-mb='auto'

%end

%anaconda
pwpolicy root --minlen=6 --minquality=1 --notstrict --nochanges --notempty
pwpolicy user --minlen=6 --minquality=1 --notstrict --nochanges --emptyok
pwpolicy luks --minlen=6 --minquality=1 --notstrict --nochanges --notempty
%end
```

Resulting System

```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# df -h  
Filesystem           Size  Used Avail Use% Mounted on  
devtmpfs              12G    0   12G  0% /dev  
tmpfs                 12G    0   12G  0% /dev/shm  
tmpfs                 12G  8.7M  12G  1% /run  
tmpfs                 12G    0   12G  0% /sys/fs/cgroup  
/dev/mapper/rhel-root    70G  675M  70G  1% /  
/dev/mapper/rhel/usr     5.0G  1.7G  3.4G 33% /usr  
/dev/vda1              1014M 202M  813M 20% /boot  
/dev/mapper/rhel-var_log  10G  112M  9.9G  2% /var/log  
/dev/mapper/rhel-var_lib_pulp 282G  2.0G  280G  1% /var/lib/pulp  
/dev/mapper/rhel-opt_puppetlabs 1014M  40M  975M  4% /opt/puppetlabs  
/dev/mapper/rhel-var_lib_pgsql  20G  175M  20G  1% /var/lib/pgsql  
tmpfs                  2.4G    0   2.4G  0% /run/user/0  
[root@satellite ~]#
```

Resulting System



Terminal - root@satellite:~

```
File Edit View Terminal Tabs Help
[root@satellite ~]# free -h
              total        used        free      shared  buff/cache   available
Mem:       23Gi       321Mi      23Gi       12Mi      176Mi      22Gi
Swap:      11Gi          0B      11Gi
[root@satellite ~]#
```

Resulting System

```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# grep "model name" /proc/cpuinfo  
model name : Intel(R) Xeon(R) CPU E5-2667 v4 @ 3.20GHz  
model name : Intel(R) Xeon(R) CPU E5-2667 v4 @ 3.20GHz  
model name : Intel(R) Xeon(R) CPU E5-2667 v4 @ 3.20GHz  
model name : Intel(R) Xeon(R) CPU E5-2667 v4 @ 3.20GHz  
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model name : Intel(R) Xeon(R) CPU E5-2667 v4 @ 3.20GHz  
model name : Intel(R) Xeon(R) CPU E5-2667 v4 @ 3.20GHz  
[root@satellite ~]# grep "model name" /proc/cpuinfo | wc -l  
16  
[root@satellite ~]# █
```

Firewall Rules

- I'm lazy. I use the service names wherever possible
- `firewall-cmd --info-service=dhcp`
- `firewall-cmd --info-service=dns`
- `firewall-cmd --info-service=RH-Satellite-6`
 - NOTE: the ports needed in the docs are different from the output of `firewall-cmd --info-service`, so I just did it manually!

Table 1.3. Satellite Server incoming traffic

Destination Port	Protocol	Service	
53	TCP and UDP	DNS	DNS
67	UDP	DHCP	Clien
69	UDP	TFTP	Clien
443	TCP	HTTPS	Caps
443, 80	TCP	HTTPS, HTTP	Clien

Installing Satellite Server in a connected network environment

Making open source more inclusive

Providing feedback on Red Hat documentation

1. Preparing your environment for installation

- 1.1. System requirements
 - 1.2. Storage requirements
 - 1.3. Storage guidelines
 - 1.4. Supported operating systems
 - 1.5. Supported browsers

1.6. Port and firewall requirements

- 1.7. Enabling connections from a client to Satellite Server
 - 1.8. Verifying DNS resolution
 - 1.9. Tuning Satellite Server with predefined profiles

Focus mode



English



Single-page



Table 1.3. Satellite Server incoming traffic

443	TCP	HTTPS	Red
443	TCP	HTTPS	Red
443, 80	TCP	HTTPS, HTTP	Caps
443, 80	TCP	HTTPS, HTTP	Client
1883	TCP	MQTT	Client
5910 – 5930	TCP	HTTPS	Brow

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- 1.1. System requirements
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1.6. Port and firewall requirements

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Focus mode



 Language:

English



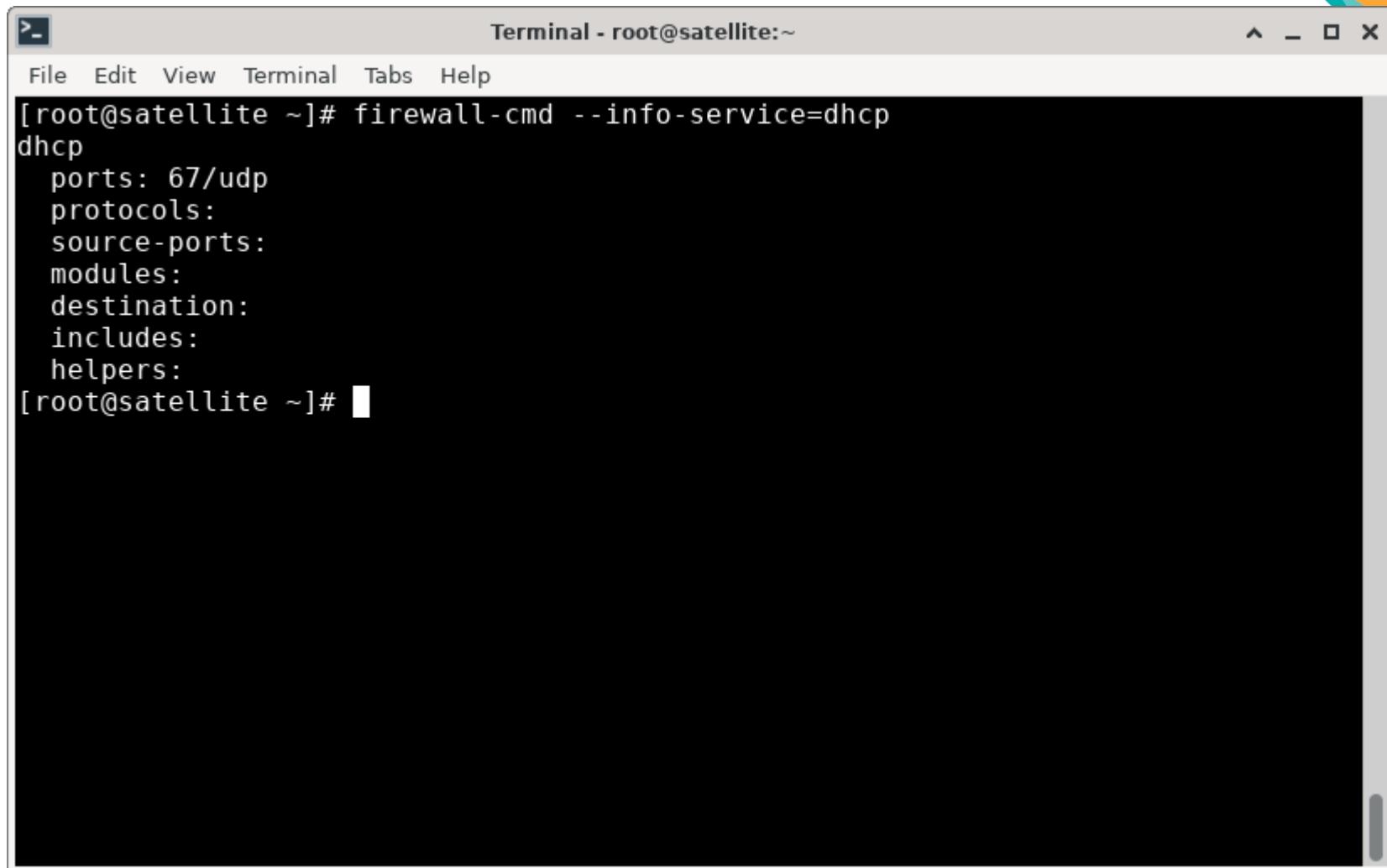
Format:

Single-page



Table 1.3. Satellite Server incoming traffic				
	8000	TCP	HTTP	Clien
	8000	TCP	HTTPS	Clien
	8140	TCP	HTTPS	Clien
	9090	TCP	HTTPS	Red
	9090	TCP	HTTPS	Clien
	9090	TCP	HTTPS	Disc

Navigate the services



```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# firewall-cmd --info-service=dhcp  
dhcp  
  ports: 67/udp  
  protocols:  
  source-ports:  
  modules:  
  destination:  
  includes:  
  helpers:  
[root@satellite ~]#
```

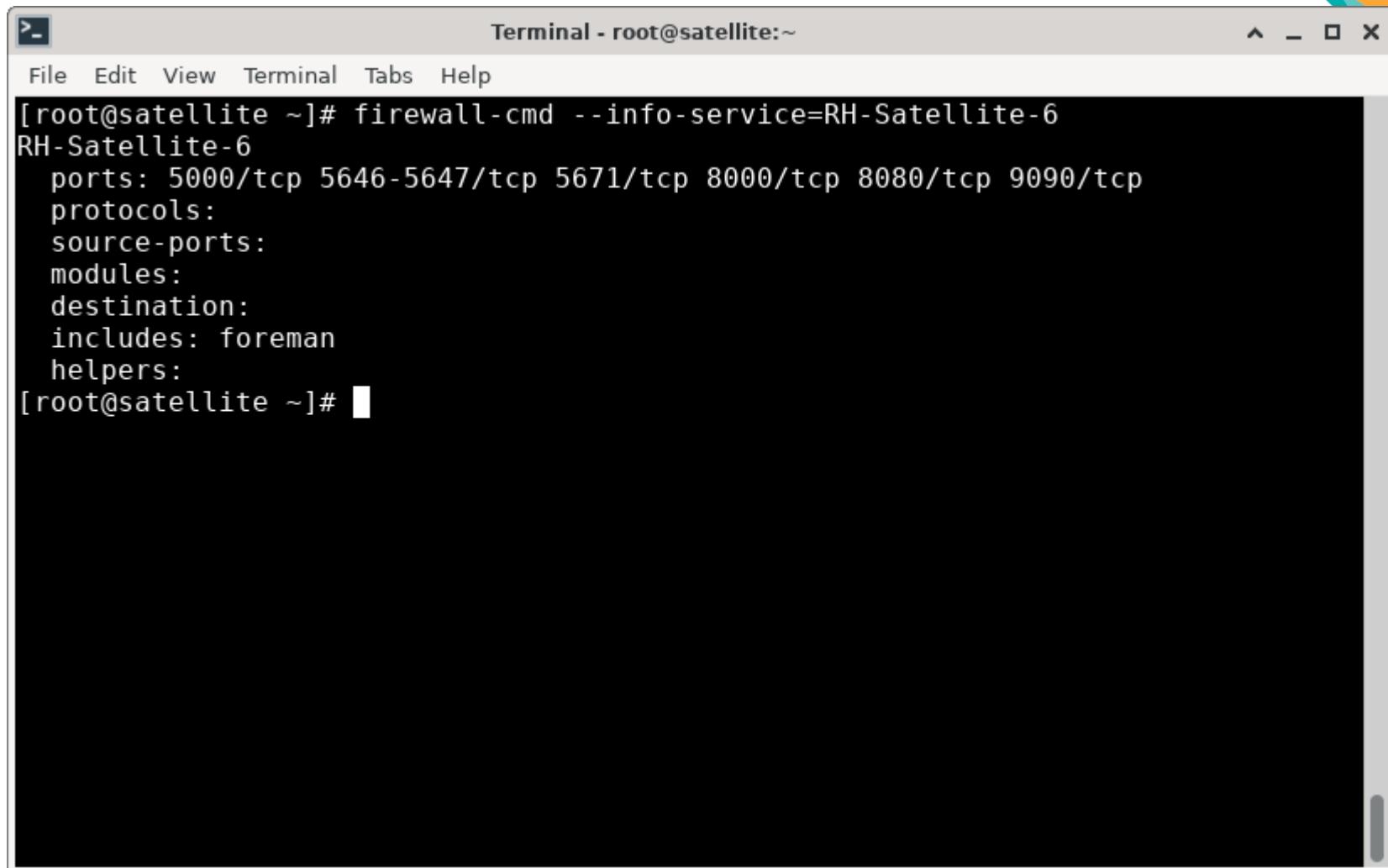
Navigate the services



A screenshot of a terminal window titled "Terminal - root@satellite:~". The window shows the command "firewall-cmd --info-service=dns" being run. The output indicates that the dns service has ports 53/tcp and 53/udp, and no source-ports, modules, destination, includes, or helpers defined.

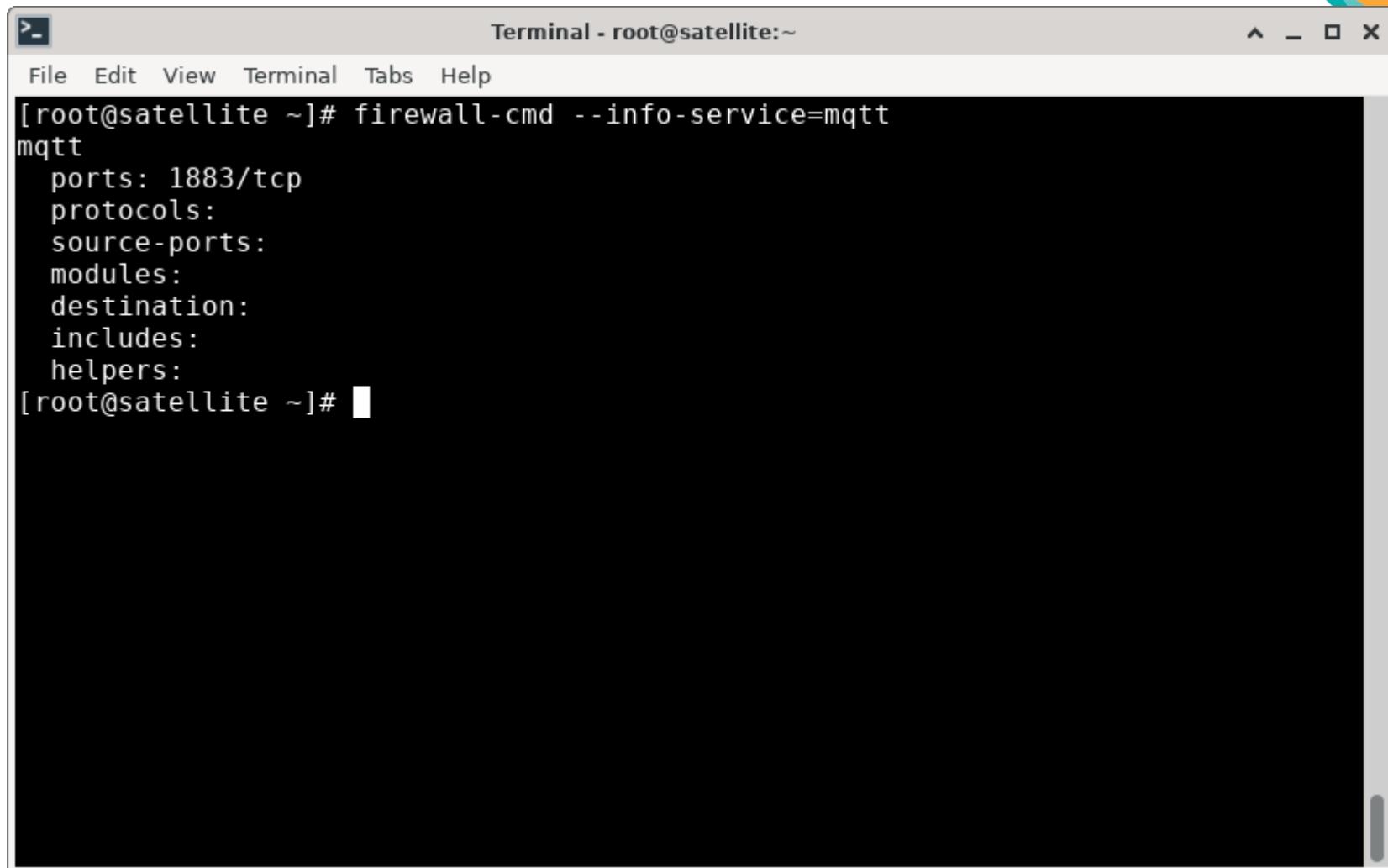
```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# firewall-cmd --info-service=dns  
dns  
  ports: 53/tcp 53/udp  
  protocols:  
  source-ports:  
  modules:  
  destination:  
  includes:  
  helpers:  
[root@satellite ~]#
```

Navigate the services



```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# firewall-cmd --info-service=RH-Satellite-6  
RH-Satellite-6  
  ports: 5000/tcp 5646-5647/tcp 5671/tcp 8000/tcp 8080/tcp 9090/tcp  
  protocols:  
  source-ports:  
  modules:  
  destination:  
  includes: foreman  
  helpers:  
[root@satellite ~]#
```

Navigate the services



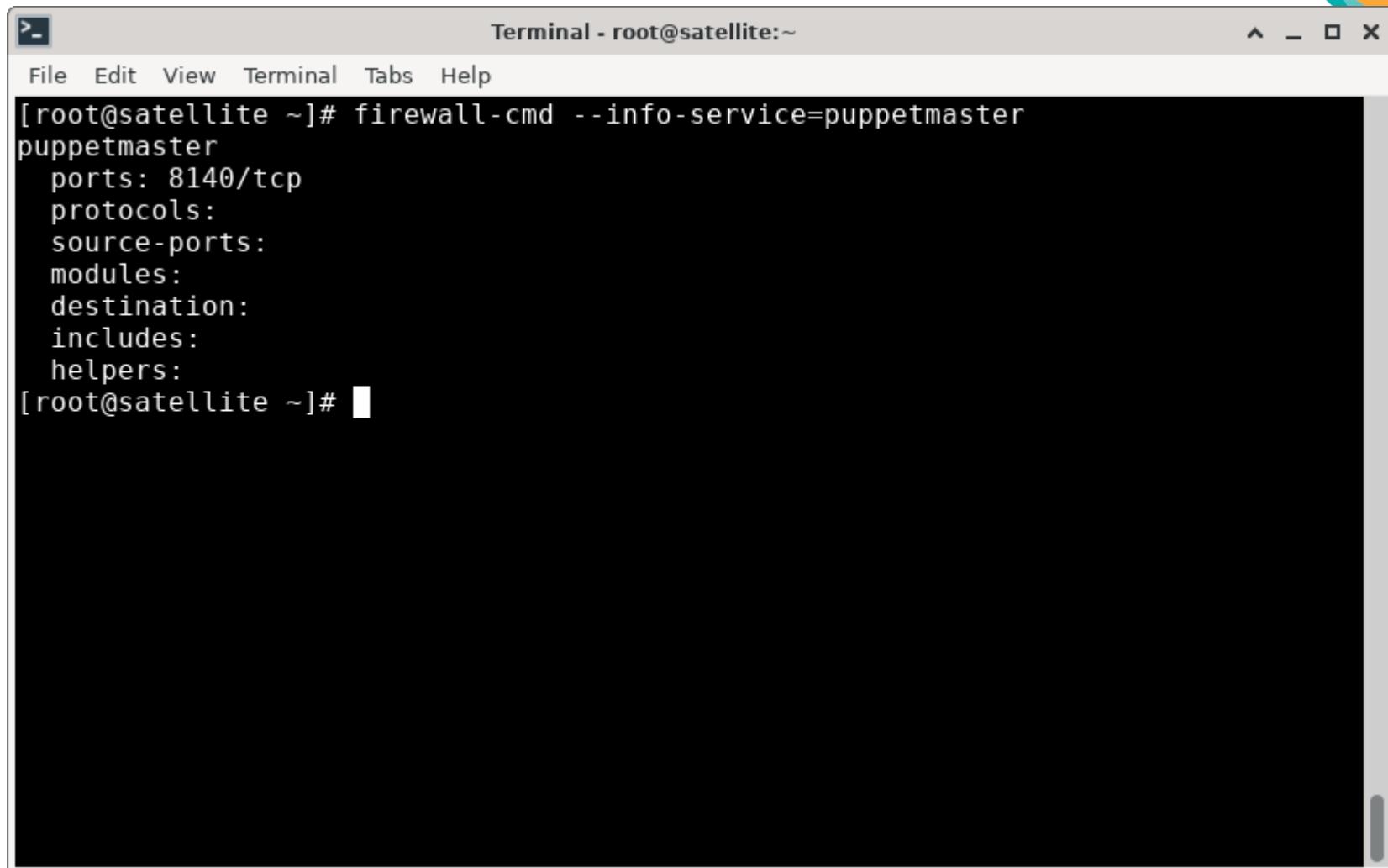
```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# firewall-cmd --info-service=mqtt  
mqtt  
  ports: 1883/tcp  
  protocols:  
  source-ports:  
  modules:  
  destination:  
  includes:  
  helpers:  
[root@satellite ~]#
```

Navigate the services



```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# firewall-cmd --info-service=http  
http  
  ports: 80/tcp  
  protocols:  
  source-ports:  
  modules:  
  destination:  
  includes:  
  helpers:  
[root@satellite ~]# firewall-cmd --info-service=https  
https  
  ports: 443/tcp  
  protocols:  
  source-ports:  
  modules:  
  destination:  
  includes:  
  helpers:  
[root@satellite ~]#
```

Navigate the services



```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# firewall-cmd --info-service=puppetmaster  
puppetmaster  
  ports: 8140/tcp  
  protocols:  
  source-ports:  
  modules:  
  destination:  
  includes:  
  helpers:  
[root@satellite ~]#
```

Here's what I did

```
firewall-cmd --add-service=dns --permanent
firewall-cmd --add-service=dhcp --permanent
firewall-cmd --add-service=tftp --permanent
firewall-cmd --add-service=http --permanent
firewall-cmd --add-service=https --permanent
firewall-cmd --add-service=mqtt --permanent
firewall-cmd --add-port=5910-5930/tcp --permanent
# Note the above is what the docs say, below is what the firewall services says. I'm opening both!
firewall-cmd --add-service=RH-Satellite-6 --permanent
firewall-cmd --add-service=puppetmaster --permanent
firewall-cmd --reload
```

firewall-cmd --list-all before:



```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# firewall-cmd --list-all  
public (active)  
  target: default  
  icmp-block-inversion: no  
  interfaces: enp1s0  
  sources:  
  services: cockpit dhcpcv6-client ssh  
  ports:  
  protocols:  
  forward: no  
  masquerade: no  
  forward-ports:  
  source-ports:  
  icmp-blocks:  
  rich rules:  
[root@satellite ~]#
```

firewall-cmd --list-all after:

```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# firewall-cmd --list-all  
public (active)  
  target: default  
  icmp-block-inversion: no  
  interfaces: enp1s0  
  sources:  
    services: RH-Satellite-6 cockpit dhcp dhcpcv6-client dns http https mqtt puppet  
    master ssh tftp  
    ports: 5910-5930/tcp  
    protocols:  
    forward: no  
    masquerade: no  
    forward-ports:  
    source-ports:  
    icmp-blocks:  
    rich rules:  
[root@satellite ~]#
```

Register your server to Red Hat



```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# subscription-manager register --username thomas.cameron@sparksoftcorp.com  
Registering to: subscription.rhsm.redhat.com:443/subscription  
Password:  
The system has been registered with ID: [REDACTED]  
The registered system name is: satellite.aus.sparksoftcorp.io  
[root@satellite ~]#
```



Register your server to Red Hat

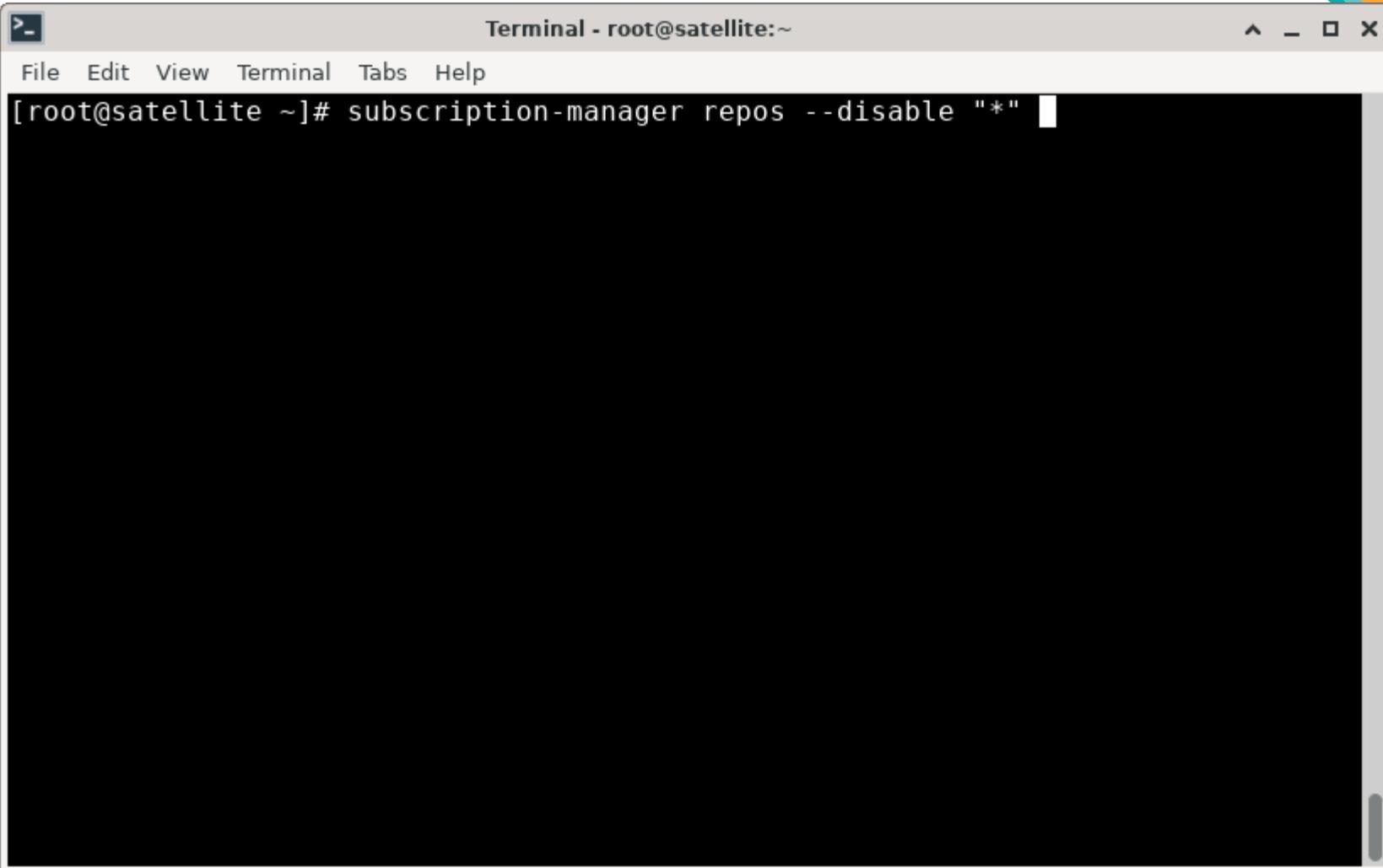
```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# subscription-manager list --all --available --matches 'Red Hat Satellite'  
+-----+  
Available Subscriptions  
+-----+  
Subscription Name: Red Hat Partner Subscription (500 Nodes)  
Provides:  
Red Hat Satellite Capsule Beta  
Red Hat Enterprise Linux for Power, big endian - Extended Update Support  
Red Hat Enterprise Linux High Performance Networking (for RHEL for IBM POWER)  
Red Hat OpenShift Enterprise JBoss EAP add-on Beta  
Red Hat Ansible Automation Platform  
Red Hat S-JIS Support (for RHEL Server)  
Red Hat OpenShift Workload Availability  
Red Hat Enterprise Linux High Availability (for RHEL 7 Server for ARM 64)  
Red Hat OpenStack Director Deployment Tools Beta for IBM Power LE  
Red Hat Virtualization for IBM Power LE  
Red Hat Enterprise Linux for SAP Applications for Power BE - Extended Update Support  
dotNET on RHEL (for RHEL Server)  
Red Hat Enterprise Linux FDIO (RHEL 7 Server)
```

Register your server to Red Hat



```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
Red Hat CodeReady Linux Builder for x86_64 - Extended  
Update Support  
Red Hat Software Test Suite 5 (for RHEL Server)  
Red Hat Discovery  
Red Hat JBoss AMQ Clients  
Red Hat Software Collections (for RHEL Server for ARM)  
Red Hat Enterprise Linux Fast Datapath (for RHEL for ARM  
64)  
Red Hat Gluster Storage Web Administration (for RHEL  
Server)  
Red Hat Single Sign-On  
Red Hat Satellite  
Red Hat OpenShift Container Platform for Power  
Red Hat Developer Tools Beta (for RHEL Server for ARM)  
Red Hat Enterprise Linux High Availability (for IBM Power  
LE) - Extended Update Support  
Red Hat Enterprise Linux for Real Time for x86_64 - 4 years  
of updates  
Red Hat build of Quarkus  
Red Hat Enterprise Linux Load Balancer (for RHEL Server)  
Red Hat JBoss Middleware  
Red Hat Enterprise Linux Server - Extended Life Cycle  
Support (for IBM z Systems)  
Red Hat CodeReady Workspaces for OpenShift
```

Disable all repos



A screenshot of a terminal window titled "Terminal - root@satellite:~". The window has a standard Linux-style interface with a menu bar (File, Edit, View, Terminal, Tabs, Help) and a title bar. The main area of the terminal shows the command `[root@satellite ~]# subscription-manager repos --disable "*"` being typed. The terminal background is black, and the text is white.

Disable all repos

```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
Repository 'rhel-8-for-x86_64-highavailability-e4s-rpms' is disabled for this system.  
Repository 'satellite-capsule-6.14-for-rhel-8-x86_64-debug-rpms' is disabled for this system.  
Repository 'fast-datapath-for-rhel-8-x86_64-debug-rpms' is disabled for this system.  
Repository 'satellite-tools-6.6-for-rhel-8-x86_64-aus-debug-rpms' is disabled for this system.  
Repository 'pipelines-1.11-for-rhel-8-x86_64-rpms' is disabled for this system.  
Repository 'rhceph-4-mon-for-rhel-8-x86_64-source-rpms' is disabled for this system.  
Repository 'pipelines-1.4-for-rhel-8-x86_64-rpms' is disabled for this system.  
Repository 'openstack-15-tools-for-rhel-8-x86_64-debug-rpms' is disabled for this system.  
Repository 'openstack-stf-1-for-rhel-8-x86_64-rpms' is disabled for this system.  
Repository 'rh-sso-7.3-for-rhel-8-x86_64-source-rpms' is disabled for this system.  
Repository 'rhacm-2.0-for-rhel-8-x86_64-debug-rpms' is disabled for this system.  
Repository 'rhods-1.20-for-rhel-8-x86_64-source-rpms' is disabled for this system.  
Repository 'rhods-1.20-for-rhel-8-x86_64-rpms' is disabled for this system.  
Repository 'network-observability-0.1.3-for-rhel-8-x86_64-rpms' is disabled for this system.  
[root@satellite ~]#
```

Enable the correct repos

```
subscription-manager repos \
--enable rhel-8-for-x86_64-appstream-rpms \
--enable rhel-8-for-x86_64-baseos-rpms \
--enable satellite-6.15-for-rhel-8-x86_64-rpms \
--enable satellite-maintenance-6.15-for-rhel-8-x86_64-rpms
```

Enable the correct repos



```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# subscription-manager repos --enable=rhel-8-for-x86_64-baseos  
-rpms --enable=rhel-8-for-x86_64-appstream-rpms --enable=satellite-6.15-for-rhel  
-8-x86_64-rpms --enable=satellite-maintenance-6.15-for-rhel-8-x86_64-rpms  
Repository 'rhel-8-for-x86_64-baseos-rpms' is enabled for this system.  
Repository 'rhel-8-for-x86_64-appstream-rpms' is enabled for this system.  
Repository 'satellite-6.15-for-rhel-8-x86_64-rpms' is enabled for this system.  
Repository 'satellite-maintenance-6.15-for-rhel-8-x86_64-rpms' is enabled for th  
is system.  
[root@satellite ~]#
```

Enable the correct DNF modules

```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# dnf module enable satellite:el8  
Updating Subscription Management repositories.  
Red Hat Satellite 6.15 for RHEL 8 x86_64 (RPMs) 975 kB/s | 881 kB 00:00  
Red Hat Enterprise Linux 8 for x86_64 - BaseOS 30 MB/s | 67 MB 00:02  
Problems in request:  
Modular dependency problems with Defaults:  
  
Problem: module satellite:el8:61520240418172655:980ee624.x86_64 from satellite-  
6.15-for-rhel-8-x86_64-rpms requires module(postgresql:12), but none of the prov-  
iders can be installed  
- module postgresql:12:8090020240209130909:a75119d5.x86_64 from rhel-8-for-x86  
_64-appstream-rpms conflicts with module(postgresql:10) provided by postgresql:1  
0:8060020220525083017:ad008a3a.x86_64 from rhel-8-for-x86_64-appstream-rpms  
- module postgresql:10:8060020220525083017:ad008a3a.x86_64 from rhel-8-for-x86  
_64-appstream-rpms conflicts with module(postgresql:12) provided by postgresql:1  
2:8090020240209130909:a75119d5.x86_64 from rhel-8-for-x86_64-appstream-rpms  
- module postgresql:10:8060020220525083017:ad008a3a.x86_64 from rhel-8-for-x86  
_64-appstream-rpms conflicts with module(postgresql:12) provided by postgresql:1  
2:8080020230717103820:63b34585.x86_64 from rhel-8-for-x86_64-appstream-rpms  
- module postgresql:12:8080020230717103820:63b34585.x86_64 from rhel-8-for-x86  
_64-appstream-rpms conflicts with module(postgresql:10) provided by postgresql:1  
0:8060020220525083017:ad008a3a.x86_64 from rhel-8-for-x86_64-appstream-rpms  
- module postgresql:10:8060020220525083017:ad008a3a.x86_64 from rhel-8-for-x86  
_64-appstream-rpms conflicts with module(postgresql:12) provided by postgresql:1
```

Enable the correct DNF modules

```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
2:8050020211122082354:c5368500.x86_64 from rhel-8-for-x86_64-appstream-rpms  
- module postgresql:12:8050020211122082354:c5368500.x86_64 from rhel-8-for-x86_64-appstream-rpms conflicts with module(postgresql:10) provided by postgresql:10:8060020220525083017:ad008a3a.x86_64 from rhel-8-for-x86_64-appstream-rpms  
- conflicting requests  
Dependencies resolved.  
=====  
 Package           Architecture      Version       Repository      Size  
=====  
Enabling module streams:  
  pki-core          10.6  
  pki-deps          10.6  
  postgresql         12  
  ruby               2.7  
  satellite          el8  
  satellite-maintenance  el8  
  
Transaction Summary  
=====  
  
Is this ok [y/N]: y  
Complete!  
[root@satellite ~]#
```

Verify chronyd is installed and running

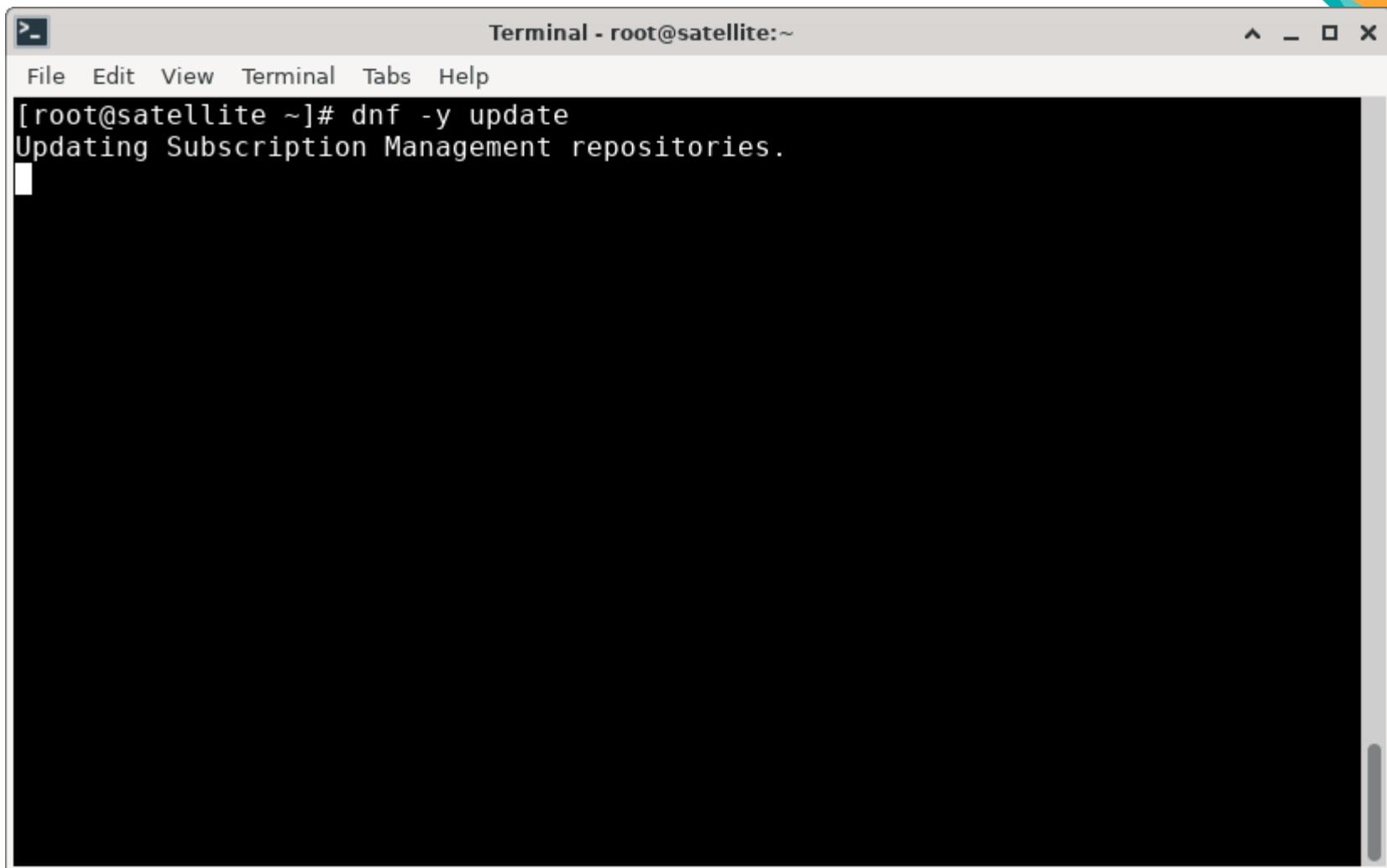
```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# dnf -y install chrony  
Updating Subscription Management repositories.  
Last metadata expiration check: 0:23:49 ago on Wed 01 May 2024 11:59:50 AM CDT.  
Package chrony-4.2-1.el8.x86_64 is already installed.  
Dependencies resolved.  
Nothing to do.  
Complete!  
[root@satellite ~]# systemctl status chronyd  
● chronyd.service - NTP client/server  
   Loaded: loaded (/usr/lib/systemd/system/chronyd.service; enabled; vendor pre>  
   Active: active (running) since Wed 2024-05-01 12:21:26 CDT; 2min 20s ago  
     Docs: man:chronyd(8)  
           man:chrony.conf(5)  
   Process: 1077 ExecStartPost=/usr/libexec/chrony-helper update-daemon (code=ex>  
   Process: 1068 ExecStart=/usr/sbin/chronyd $OPTIONS (code=exited, status=0/SUC>  
 Main PID: 1075 (chronyd)  
    Tasks: 1 (limit: 153784)  
   Memory: 2.1M  
  CGroup: /system.slice/chronyd.service  
          └─1075 /usr/sbin/chronyd  
  
May 01 12:21:26 satellite.aus.sparksoftcorp.io systemd[1]: Starting NTP client/>  
May 01 12:21:26 satellite.aus.sparksoftcorp.io chronyd[1075]: chronyd version 4>  
May 01 12:21:26 satellite.aus.sparksoftcorp.io chronyd[1075]: Frequency -0.021 >
```

Make sure sos is installed



```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# dnf -y install sos  
Updating Subscription Management repositories.  
Last metadata expiration check: 0:25:38 ago on Wed 01 May 2024 11:59:50 AM CDT.  
Package sos-4.7.0-1.el8.noarch is already installed.  
Dependencies resolved.  
Nothing to do.  
Complete!  
[root@satellite ~]#
```

Update the system and reboot



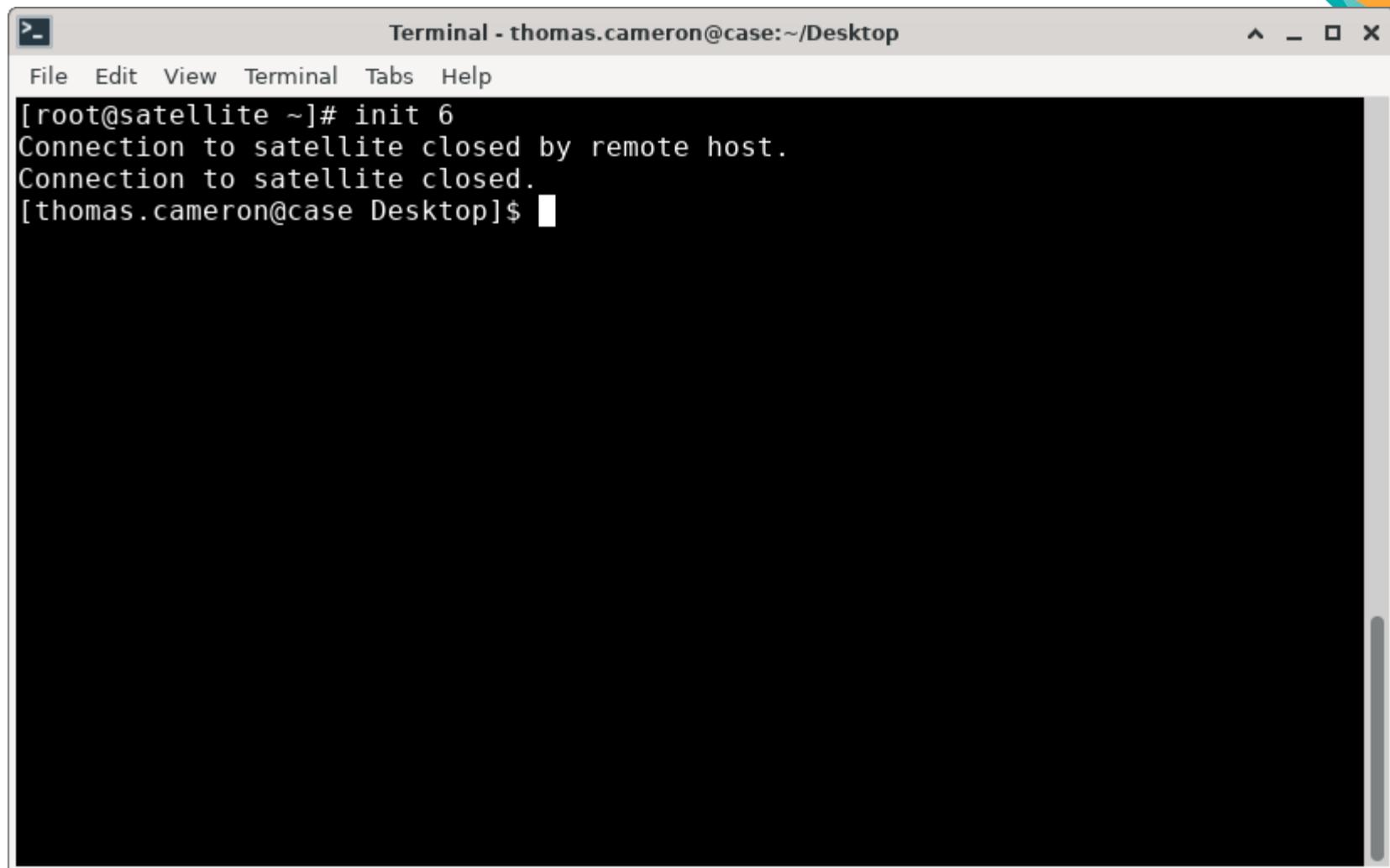
A screenshot of a terminal window titled "Terminal - root@satellite:~". The window has a standard Linux-style interface with a menu bar (File, Edit, View, Terminal, Tabs, Help) and a title bar. The main area of the terminal shows the command `[root@satellite ~]# dnf -y update` being run, followed by the message "Updating Subscription Management repositories.". The terminal has a dark background and light-colored text.

```
[root@satellite ~]# dnf -y update
Updating Subscription Management repositories.
```

Update the system and reboot

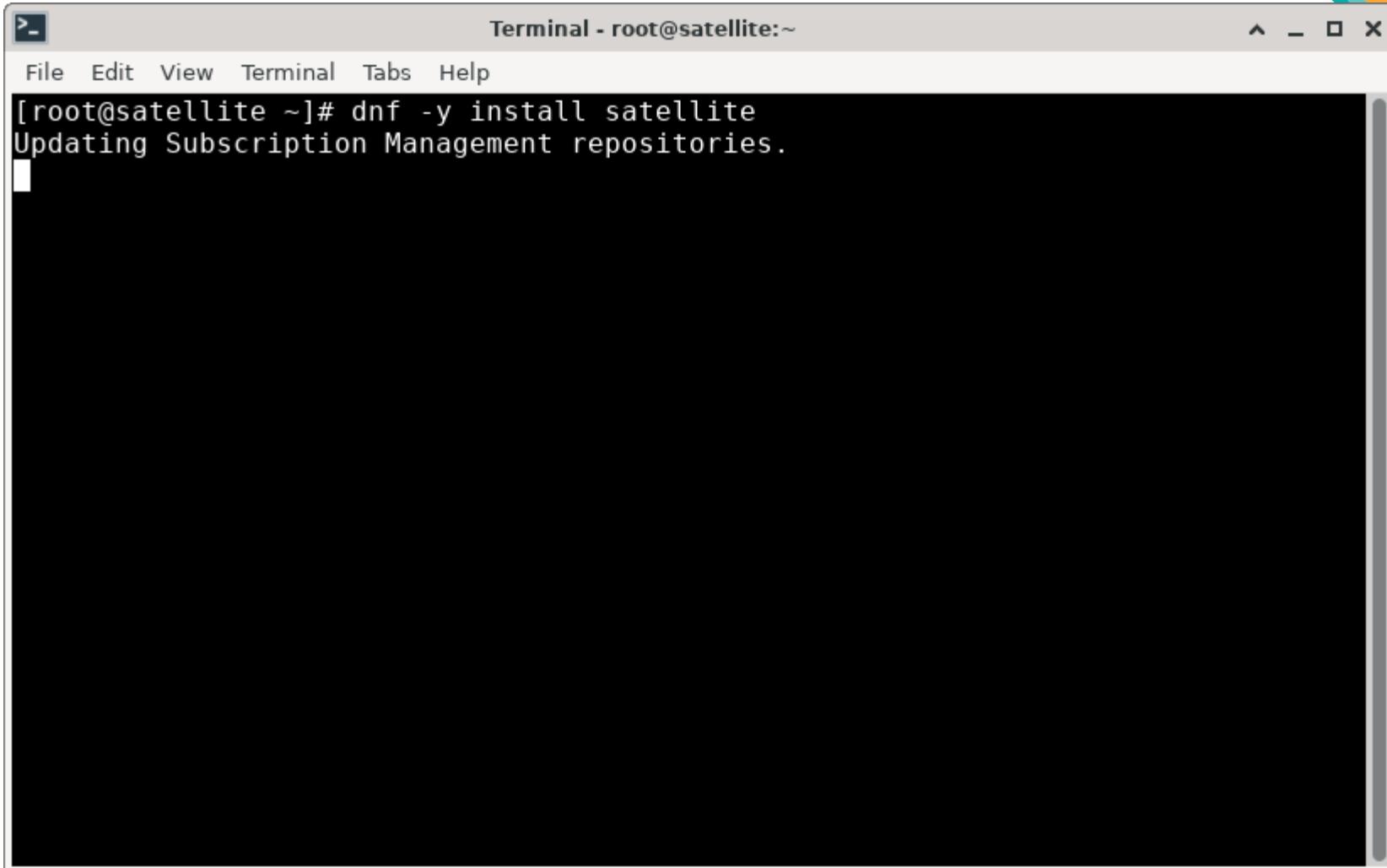
```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
Transaction test succeeded.  
Running transaction  
  Preparing : 1/1  
  Upgrading : libcomps-0.1.18-8.el8pc.x86_64 1/6  
  Upgrading : python3-libcomps-0.1.18-8.el8pc.x86_64 2/6  
  Upgrading : libsolv-0.7.22-6.el8pc.x86_64 3/6  
  Cleanup   : python3-libcomps-0.1.18-1.el8.x86_64 4/6  
  Cleanup   : libcomps-0.1.18-1.el8.x86_64 5/6  
  Cleanup   : libsolv-0.7.20-6.el8.x86_64 6/6  
  Running scriptlet: libsolv-0.7.20-6.el8.x86_64 6/6  
  Verifying  : libcomps-0.1.18-8.el8pc.x86_64 1/6  
  Verifying  : libcomps-0.1.18-1.el8.x86_64 2/6  
  Verifying  : libsolv-0.7.22-6.el8pc.x86_64 3/6  
  Verifying  : libsolv-0.7.20-6.el8.x86_64 4/6  
  Verifying  : python3-libcomps-0.1.18-8.el8pc.x86_64 5/6  
  Verifying  : python3-libcomps-0.1.18-1.el8.x86_64 6/6  
Installed products updated.  
  
Upgraded:  
  libcomps-0.1.18-8.el8pc.x86_64          libsolv-0.7.22-6.el8pc.x86_64  
  python3-libcomps-0.1.18-8.el8pc.x86_64  
  
Complete!  
[root@satellite ~]#
```

Update the system and reboot



```
Terminal - thomas.cameron@case:~/Desktop
File Edit View Terminal Tabs Help
[root@satellite ~]# init 6
Connection to satellite closed by remote host.
Connection to satellite closed.
[thomas.cameron@case Desktop]$
```

Install satellite



The image shows a terminal window titled "Terminal - root@satellite:~". The window has a standard Linux-style interface with a menu bar (File, Edit, View, Terminal, Tabs, Help) and a title bar. The main area of the terminal displays the following command and its execution:

```
[root@satellite ~]# dnf -y install satellite
Updating Subscription Management repositories.
```

The terminal window is set against a background featuring the Red Hat logo, which includes a red hat icon and the text "Red Hat" in white on a blue square.

Install satellite



Terminal - root@satellite:~

```
File Edit View Terminal Tabs Help
satellite-common-6.15.0-2.el8sat.noarch
satellite-installer-6.15.0.2-1.el8sat.noarch
satellite-lifecycle-0.0.1-1.noarch
satellite-maintain-0.0.2-1.el8sat.noarch
shim-ia32-15.8-4.el8_9.x86_64
shim-x64-15.8-4.el8_9.x86_64
slf4j-1.7.25-4.module+el8+2468+c564cec5.noarch
slf4j-jdk14-1.7.25-4.module+el8+2468+c564cec5.noarch
sshpass-1.09-4.el8.x86_64
syslinux-6.04-6.el8.x86_64
syslinux-nonlinux-6.04-6.el8.noarch
tftp-server-5.2-26.el8.x86_64
ttmkmdir-3.0.9-54.el8.x86_64
tzdata-java-2024a-1.el8.noarch
udisks2-2.9.0-16.el8.x86_64
volume_key-libs-0.3.11-6.el8.x86_64
xorg-x11-font-utils-1:7.5-41.el8.x86_64
xorg-x11-foms-Type1-7.5-19.el8.noarch
yajl-2.1.0-12.el8.x86_64
yum-utils-4.0.21-23.el8.noarch
zstd-1.4.4-1.el8.x86_64

Complete!
[root@satellite ~]#
```

Configure Satellite

- You can use `satellite-installer --scenario satellite --help` to see all the options, but it's a **HUGE** list - almost 360 lines.
- I wanted my Satellite server to manage DNS, DHCP, and PXE boots, so I did:

Configure Satellite

```
satellite-installer --scenario satellite \
--foreman-initial-organization "Sparksoft Corporation" \
--foreman-initial-location "Austin" \
--foreman-initial-admin-username satadmin \
--foreman-initial-admin-password MySecretPassWord@\$ \
--foreman-proxy-tftp true \
--foreman-proxy-dhcp true \
--foreman-proxy-dhcp-gateway 172.31.100.1 \
--foreman-proxy-dhcp-nameservers 172.31.100.15 \
--foreman-proxy-dhcp-option-domain "aus.sparksoftcorp.io" \
--foreman-proxy-dhcp-range "172.31.100.128 172.31.100.254" \
--foreman-proxy-dhcp-search-domains "aus.sparksoftcorp.io sparksoftcorp.io" \
--foreman-proxy-dns true \
--foreman-proxy-dns-managed true \
--foreman-proxy-dns-server 172.31.100.15 \
--foreman-proxy-dns-forwarders "4.2.2.1; 8.8.8.8" \
--foreman-proxy-dns-reverse "100.31.172.in-addr.arpa" \
--foreman-proxy-dns-zone "aus.sparksoftcorp.io"
```

Install satellite

```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# satellite-installer --scenario satellite --foreman-initial-organization "Sparksoft Corporation" --foreman-initial-location "Austin" --foreman-initial-admin-username satadmin --foreman-initial-admin-password [REDACTED] --foreman-proxy-tftp true --foreman-proxy-dhcp true --foreman-proxy-dhcp-gateway 172.31.100.1 --foreman-proxy-dhcp-nameservers 172.31.100.15 --foreman-proxy-dhcp-option-domain "aus.sparksoftcorp.io" --foreman-proxy-dhcp-range "172.31.100.128 172.31.100.254" --foreman-proxy-dhcp-search-domains "aus.sparksoftcorp.io sparksoftcorp.io" --foreman-proxy-dns true --foreman-proxy-dns-managed true --foreman-proxy-dns-server 172.31.100.15 --foreman-proxy-dns-forwarders "4.2.2.1; 8.8.8.8" --foreman-proxy-dns-reverse "100.31.172.in-addr.arpa" --foreman-proxy-dns-zone "aus.sparksoftcorp.io"  
2024-05-01 16:10:11 [NOTICE] [root] Loading installer configuration. This will take some time.  
2024-05-01 16:10:19 [NOTICE] [root] Running installer with log based terminal output at level NOTICE.  
2024-05-01 16:10:19 [NOTICE] [root] Use -l to set the terminal output log level to ERROR, WARN, NOTICE, INFO, or DEBUG. See --full-help for definitions.
```

Install satellite

```
Terminal - root@satellite:~  
File Edit View Terminal Tabs Help  
2024-05-01 16:14:17 [NOTICE] [configure] 1250 configuration steps out of 2612 steps complete.  
2024-05-01 16:14:53 [NOTICE] [configure] 1500 configuration steps out of 2614 steps complete.  
2024-05-01 16:17:16 [NOTICE] [configure] 2000 configuration steps out of 2646 steps complete.  
2024-05-01 16:18:09 [NOTICE] [configure] 2250 configuration steps out of 2647 steps complete.  
2024-05-01 16:23:06 [NOTICE] [configure] 2500 configuration steps out of 2647 steps complete.  
2024-05-01 16:27:29 [NOTICE] [configure] System configuration has finished.  
Success!  
* Satellite is running at https://satellite.aus.sparksoftcorp.io  
Initial credentials are satadmin / [REDACTED]  
  
* To install an additional Capsule on separate machine continue by running:  
  
capsule-certs-generate --foreman-proxy-fqdn "$CAPSULE" --certs-tar "/root/$CAPSULE-certs.tar"  
* Capsule is running at https://satellite.aus.sparksoftcorp.io:9090  
  
The full log is at /var/log/foreman-installer/satellite.log  
Package versions are being locked.  
[root@satellite ~]#
```



Get a Manifest

**We need to tell your Satellite server what
subs it can serve**

Get a Manifest

- You get your manifests from
<https://console.redhat.com/subscriptions/manifests>
- I am using simple content access mode. Entitlement mode is deprecated.

access.redhat.com/manifests | Chapter 3. Setting the sim | Administering Red Hat Sa +

access.redhat.com/documentation/en-us/red_hat_satellite/6.13/html-single/administering_red_hat_satellite/index#Managing_Organizations_admin

Personal Sparksoft All Bookmarks

Focus mode

Language: English

Format: Single-page

Expand all Collapse all

Administering Red Hat Satellite

Providing Feedback on Red Hat Documentation

1. Accessing Red Hat Satellite >

2. Starting and Stopping Red Hat Satellite

3. Cloning Satellite Server >

4. Tuning Satellite Server with Predefined Profiles

5. Migrating from Internal Satellite Databases to External Databases >

6. Managing Satellite with Ansible Collections >

7. Managing Organizations ^

7.1. Creating an Organization

7.2. Setting the Organization Context

7.3. Creating an Organization Debug Certificate

7.4. Deleting an Organization

2. Click **New Organization**.

3. In the **Name** field, enter a name for the organization.

4. In the **Label** field, enter a unique identifier for the organization. This is used for creating and mapping certain assets, such as directories for content storage. Use letters, numbers, underscores, and dashes, but no spaces.

5. Optional: If you do not wish to enable Simple Content Access (SCA), uncheck the **Simple Content Access** checkbox. For more information on SCA, see [Simple Content Access](#).

 **Note**

Red Hat does not recommend disabling SCA as entitlement mode is deprecated.

6. Optional: in the **Description** field, enter a description for the organization.

7. Click **Submit**.

8. If you have hosts with no organization assigned, select the hosts that you want to add to the organization, then click **Proceed to Edit**.

9. In the **Edit** page, assign the infrastructure resources that you want to add to the organization. This includes networking resources, installation media, kickstart templates, and other parameters. You can return to this page at any time by navigating to **Administer > Organizations** and then selecting an organization to edit.

access.redhat.com/manifests | manifests | Subscription Services - Google Chrome

console.redhat.com/subscriptions/manifests

Personal Sparksoft All Bookmarks

Red Hat Hybrid Cloud Console Services Search for services Preview off Thomas Cameron

Subscription Services > Manifests

Manifests

Export subscriptions to your on-premise subscription management application. [Learn more about creating and managing manifests for a connected Satellite Server](#)

Name	Version	Simple Content Access	UUID	⋮
...	6.14	Enabled	...	⋮
...	6.14	Enabled	...	⋮
...	6.13	Enabled	...	⋮

1 - 3 of 3 1 of 1

Feedback

access.redhat.com/ma... manifests | Subscription S... +

console.redhat.com/subscriptions/manifests

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Subscription Services > Manifests

Manifests

Export subscriptions to your on-premise subscription management application. [Learn more about creating and managing manifests for a connected Satellite Server](#)

Filter by name, version or type

Name ↑

> [REDACTED]

> [REDACTED]

> [REDACTED]

1 - 3 of 3 < >

Create manifest

Creating a manifest allows you to export subscriptions to your on-premise subscription management application. Match the type and version of the subscription management application that you are using. All fields are required.

Name

satellite.aus.sparksoftcorp.io

Your manifest name must be unique and must contain only numbers, letters, underscores, and hyphens.

Type

Satellite 6.15

1 - 3 of 3 << < > >>

Create Cancel

Feedback

access.redhat.com/manifests | manifests | Subscription Services - Google Chrome

console.redhat.com/subscriptions/manifests

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Subscription Services > Manifests

Manifests

Export subscriptions to your on-premise subscription management application. [Learn more about creating and managing manifests for a connected Satellite Server](#)

Name	Version	Simple Content Access	UUID	⋮
...	6.14	Enabled	...	⋮
...	6.14	Enabled	...	⋮
satellite.aus.sparksoftcorp.io	6.15	Enabled	...	⋮
...	6.13	Enabled	...	⋮

1-4 of 4 1 of 1 Feedback

manifests | Subscription Services - Google Chrome

console.redhat.com/subscriptions/manifests

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Red Hat Hybrid Cloud Console Services Search for services Preview off Thomas Cameron

Subscription Services > Manifests

Manifests

Export subscriptions to your on-premise subscription management application. [Learn more about creating and managing manifests for a connected Satellite Server](#)

Name	Version	Simple Content Access	UUID
[REDACTED]	6.14	Enabled	[REDACTED]
[REDACTED]	6.14	Enabled	[REDACTED]
satellite.aus.sparksoftcorp.io	6.15	Enabled	[REDACTED]
[REDACTED]	6.13	Enabled	[REDACTED]

[Create new manifest](#)

satellite.aus.sparksoftcorp.io

Details

Name	satellite.aus.sparksoftcorp.io
Type	Satellite 6.15
UUID	f364419e-6f19-4970-b06e-77511f2a35b6

Subscriptions

Simple content access	enabled
Quantity	0

History

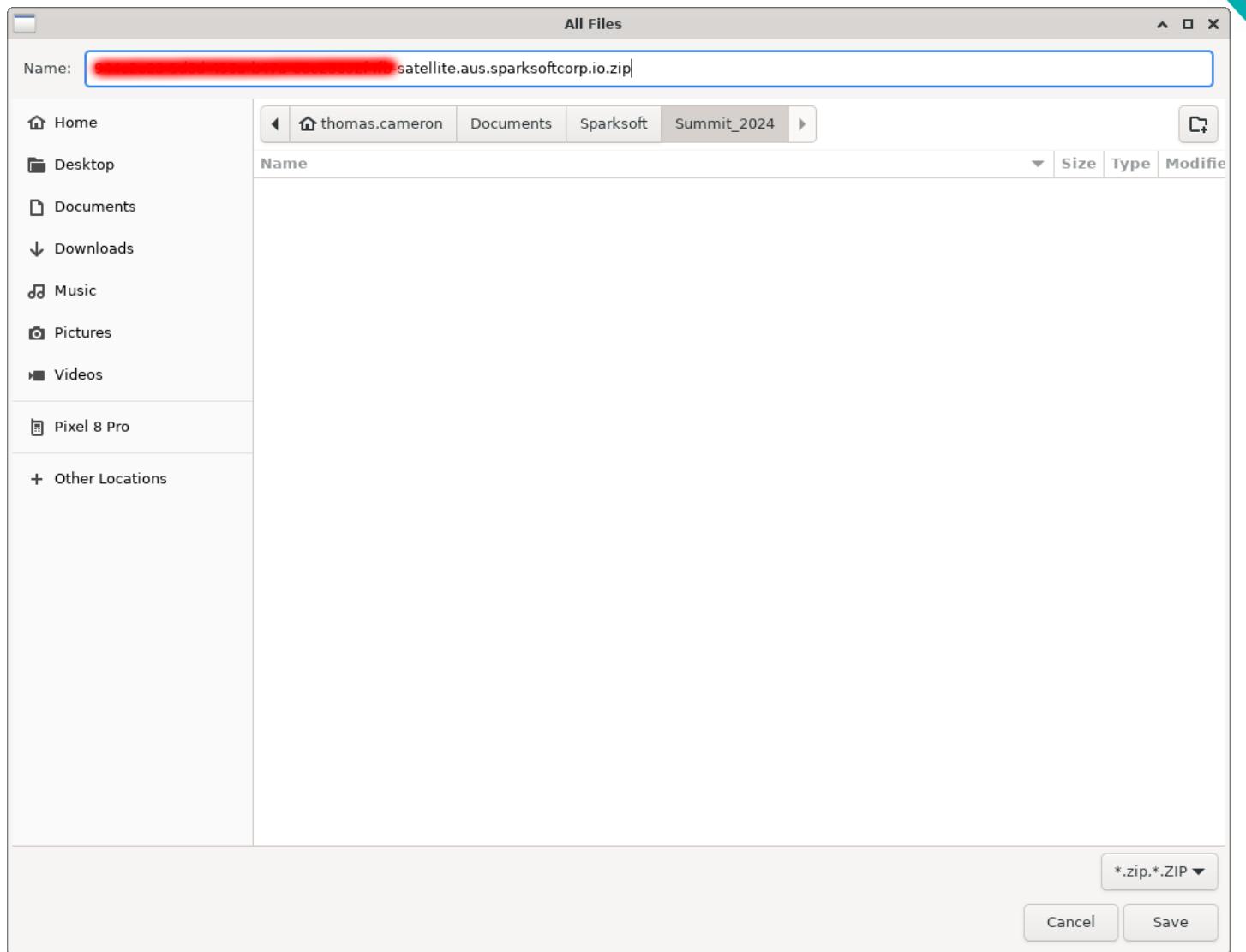
Created	May 01, 2024
Created by	thomas.cameron@sparksoftcorp.com
Last modified date	May 01, 2024

[Export manifest](#)

Deleting a subscription allocation is **STRONGLY** discouraged. This action should only be taken in extreme circumstances or for debugging purposes

[Delete manifest](#)

Feedback





Log Into Satellite

Import that manifest



Your connection is not private

Attackers might be trying to steal your information from **satellite.aus.sparksoftcorp.io** (for example, passwords, messages, or credit cards). [Learn more](#)

NET::ERR_CERT_AUTHORITY_INVALID

Hide advanced

Back to safety

This server could not prove that it is **satellite.aus.sparksoftcorp.io**; its security certificate is not trusted by your computer's operating system. This may be caused by a misconfiguration or an attacker intercepting your connection.

Proceed to satellite.aus.sparksoftcorp.io (unsafe)



Red Hat Satellite

Welcome

Log in to your account

A text input field containing the text "satadmin".A password input field showing a series of dots as a placeholder.A blue rectangular button labeled "Log In".

Version 6.15.0

Search and go

- Monitor
- Content ▾
- Subscriptions
- Red Hat Repositories
- Products
- Content Credentials
- Alternate Content Sources
- Sync Plans
- Sync Status
- Lifecycle ▾
- Content Types ▾

Hosts

Configure

Infrastructure

Administer

Hosts

Search



Manage columns

Select Action ▾ Export Register Host Create Host

0 of 1 selected

<input type="checkbox"/>	Power	Recommendations	Name	OS	Owner	Host group	Boot time	Last report	Comment	Actions
<input type="checkbox"/>			satellite.aus.sparksoftcorp.io	RHEL 8.9			2 hours ago			

1-1 of 1 items ▾



1

of 1



Red Hat Satellite - Subscr +

Not secure https://satellite.aus.sparksoftcorp.io/subscriptions

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Content Types Hosts Configure Infrastructure Administer

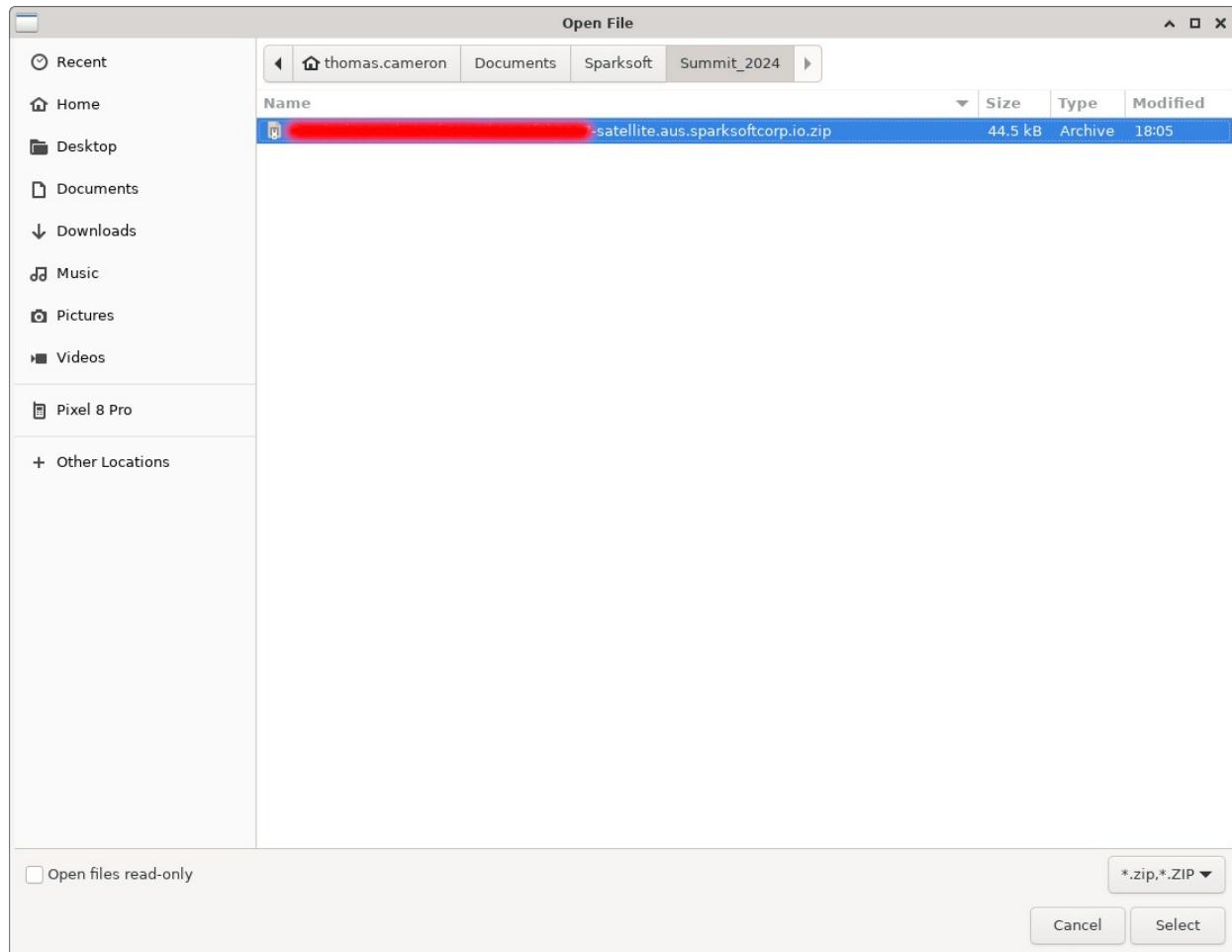
Subscriptions

Search Add Subscriptions Manage Manifest Export CSV Delete

 There are no Subscriptions to display

Import a subscription manifest to give hosts access to Red Hat content.

Import a Manifest





Search and go

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Subscriptions

Search

Add Subscriptions View Subscription Usage Manage Manifest Export CSV Delete



There are no Subscriptions to display

Add subscriptions using the Add Subscriptions button.

Add subscriptions



Sparksoft Corporation

Austin ▾

Admin User

 Search and go

-  Monitor >
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 -  Configure >
 -  Infrastructure >
 -  Administer >

Subscription Name	Contract	Start Date	End Date	Available Entitlements	Quantity to Allocate
Red Hat Beta Access		2023-07-17T04:00:00+0000	2024-07-18T03:59:59+0000	Unlimited	
Red Hat Developer Subscription for Individuals		2023-07-17T04:00:00+0000	2024-07-16T03:59:59+0000	11	
Red Hat Partner Subscription (500 Nodes)	██████████	2023-07-18T04:00:00+0000	2024-07-18T03:59:59+0000	Unlimited	20
Red Hat Partner Subscriptions Support, Standard (5 contacts)	██████████	2023-07-18T04:00:00+0000	2024-07-18T03:59:59+0000	2	
Red Hat Virtualization Manager		2023-07-18T04:00:00+0000	2024-07-18T03:59:59+0000	5	
Red Hat Virtualization Manager for IBM Power		2023-07-18T04:00:00+0000	2024-07-18T03:59:59+0000	10	

1-6 of 6 items ▾

1

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of 1

> >>

Submit **Canc**



Search and go

Monitor

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- Subscriptions
- Red Hat Repositories

Products

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Subscriptions

Search



Add Subscriptions

View Subscription Usage

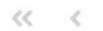
Manage Manifest

Export CSV

Delete

<input type="checkbox"/>	Name	Type	SKU	Contract	Start Date	End Date	Requires Virt-Who	Consumed	Entitlements
<input type="checkbox"/>	Red Hat Partner Subscription (500 Nodes)	Physical	[REDACTED]	[REDACTED]	2023-07-17 23:00:00 -0500	2024-07-17 22:59:59 -0500	—	0	20

1 - 1 of 1 items



1

of 1





Set up Red Hat Repos

This is where we choose what we want to sync to the Satellite server

Repositories

- This is where we define what Red Hat repos we want synced with our Satellite server.
- Think RHEL, Ansible, etc.



Sparksoft Corporation

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Admin User

Search and go

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Red Hat Repositories

Available

Search

Filter by Product

RPM

Available Repositories

OFF ★ Recommended Repositories ⓘ

1 - 20 of 2173

Enabled Repositories ⓘ

Export as CSV

No repositories enabled.

> Advanced Virtualization CodeReady Builder for RHEL 8 IBM z Systems (RPMs)

advanced-virt-crb-for-rhel-8-s390x-rpms

> Advanced Virtualization CodeReady Builder for RHEL 8 Power, little endian (RPMs)

advanced-virt-crb-for-rhel-8-ppc64le-rpms

> Advanced Virtualization CodeReady Builder for RHEL 8 x86_64 (RPMs)

advanced-virt-crb-for-rhel-8-x86_64-rpms

> Advanced Virtualization for RHEL 8 IBM z Systems -



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rhel-8-for-x86_64-baseos-rpms

 Red Hat Enterprise Linux 9 for x86_64 - AppStream (Kickstart)

rhel-9-for-x86_64-appstream-kickstart

 Red Hat Enterprise Linux 9 for x86_64 - AppStream (RPMs)

rhel-9-for-x86_64-appstream-rpms

 Red Hat Enterprise Linux 9 for x86_64 - BaseOS (Kickstart)

rhel-9-for-x86_64-baseos-kickstart

 Red Hat Enterprise Linux 9 for x86_64 - BaseOS (RPMs)

rhel-9-for-x86_64-baseos-rpms

 Red Hat Satellite Capsule 6.15 for RHEL 8 x86_64 (RPMs)

satellite-capsule-6.15-for-rhel-8-x86_64-rpms

 Red Hat Satellite Client 6 (for RHEL 6 Server - ELS)

Search and go

Monitor >

Content >

Subscriptions

Red Hat Repositories

Products

Content Credentials

Alternate Content Sources

Sync Plans

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Configure >

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< >

rhel-8-for-x86_64-baseos-rpms

Red Hat Enterprise Linux 9 for x86_64 - AppStream (Kickstart)

rhel-9-for-x86_64-appstream-kickstart

x86_64 9.4

x86_64 9.3

x86_64 9.2

x86_64 9.1

x86_64 9.0

Red Hat Enterprise Linux 9 for x86_64 - AppStream (RPMs)



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rhel-8-for-x86_64-baseos-rpms

< >

**Red Hat Enterprise Linux 9 for x86_64 - AppStream
(Kickstart)**

rhel-9-for-x86_64-appstream-kickstart



x86_64 9.3



x86_64 9.2



x86_64 9.1



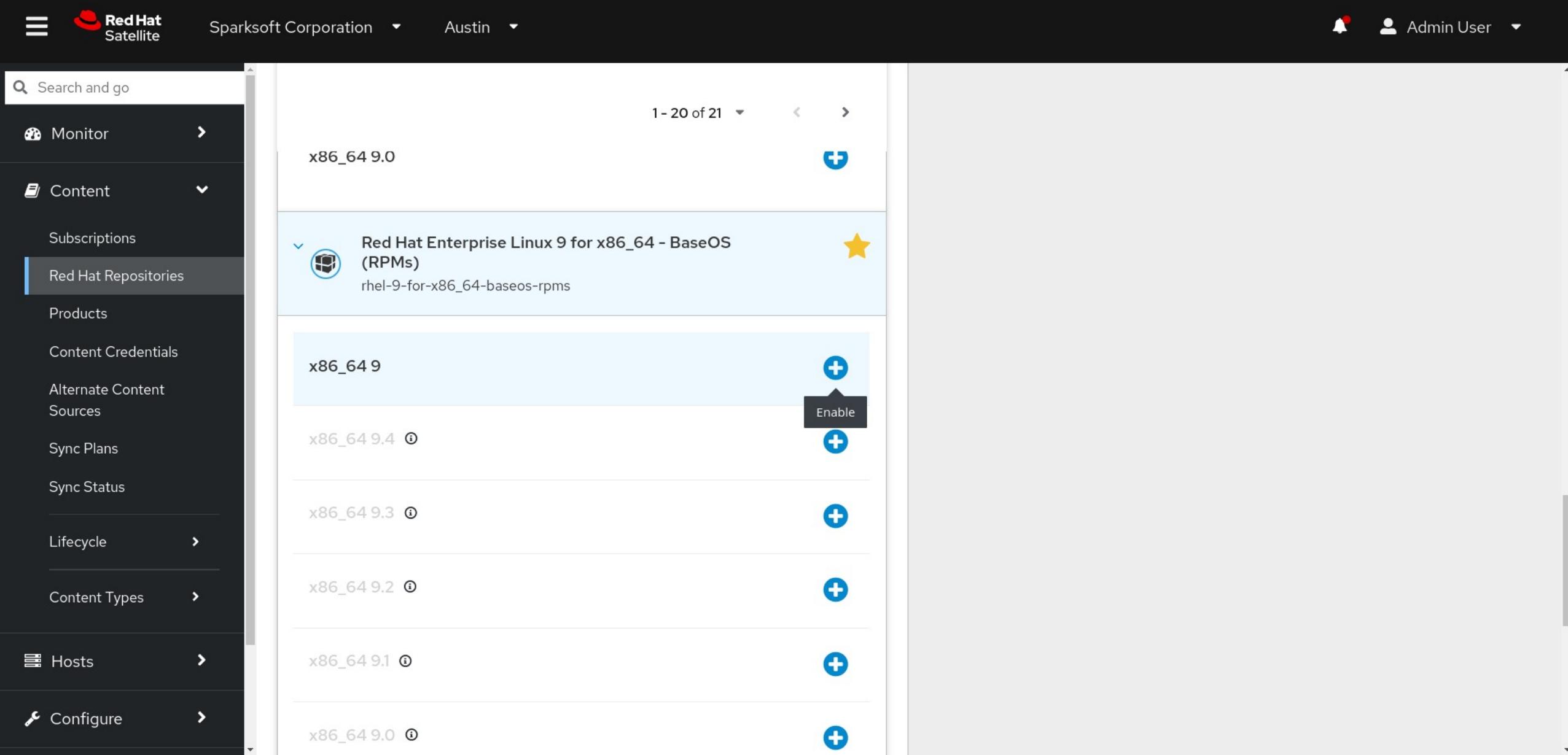
x86_64 9.0

**Red Hat Enterprise Linux 9 for x86_64 - AppStream
(RPMS)**

rhel-9-for-x86_64-appstream-rpms

Success

Repository 'Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.4' has been enabled.





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x86_64 9.0

**Red Hat Enterprise Linux 9 for x86_64 - BaseOS (RPMs)**
rhel-9-for-x86_64-baseos-rpms

x86_64 9.2 ⓘ



x86_64 9.1 ⓘ



x86_64 9.0 ⓘ

> **Red Hat Satellite Capsule 6.15 for RHEL 8 x86_64 (RPMs)**
satellite-capsule-6.15-for-rhel-8-x86_64-rpms> **Red Hat Satellite Client 6 (for RHEL 6 Server - ELS) (RPMs)**
rhel-6-server-els-satellite-client-6-rpms

Success

Repository 'Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9.4' has been enabled.

Success

Repository 'Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9.3' has been enabled.



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rhel-6-server-els-satellite-client-6-rpms Red Hat Satellite Client 6 (for RHEL 7 Server) (RPMs)
rhel-7-server-satellite-client-6-rpms Red Hat Satellite Client 6 for RHEL 8 x86_64 (RPMs)
satellite-client-6-for-rhel-8-x86_64-rpms Red Hat Satellite Client 6 for RHEL 9 x86_64 (RPMs)
satellite-client-6-for-rhel-9-x86_64-rpms

x86_64



Enable

 Red Hat Satellite Maintenance 6.15 for RHEL 8 x86_64 (RPMs)
satellite-maintenance-6.15-for-rhel-8-x86_64-rpms

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Red Hat Enterprise Linux 7 Server (Kickstart) rhel-7-server-kickstart ★

Red Hat Enterprise Linux 7 Server - Optional (RPMs) rhel-7-server-optional-rpms ★

Red Hat Enterprise Linux 7 Server (RPMs) rhel-7-server-rpms ★

Red Hat Enterprise Linux 8 for x86_64 - AppStream - Extended Update Support (RPMs) rhel-8-for-x86_64-appstream-eus-rpms ★

Red Hat Enterprise Linux 8 for x86_64 - AppStream (Kickstart) ★

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Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.3 rhel-9-for-x86_64-appstream-kickstart -

Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.4 rhel-9-for-x86_64-appstream-kickstart -

Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9 rhel-9-for-x86_64-appstream-rpms -

Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9.3 rhel-9-for-x86_64-appstream-rpms -

Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9.4 rhel-9-for-x86_64-appstream-rpms -



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RPM, Kickstart

Red Hat Ceph Storage MON

Red Hat Ceph Storage OSD

Red Hat Certificate System

Red Hat Certification (for RHEL Server)

Red Hat CloudForms Beta

Red Hat CodeReady Linux Builder for ARM 64

Red Hat CodeReady Linux Builder for ARM 64 - Extended Update Support

Red Hat CodeReady Linux Builder for IBM z Systems

Red Hat CodeReady Linux Builder for IBM z Systems - Extended Update Support

Red Hat CodeReady Linux Builder for Power, little endian

Red Hat CodeReady Linux Builder for Power, little endian - Extended Update Support

Red Hat CodeReady Linux Builder for x86_64

Red Hat CodeReady Linux Builder for x86_64 - Extended Update Support

Red Hat CodeReady Workspaces for OpenShift

Red Hat Container Development Kit

Red Hat Container Images

Red Hat Container Images Beta

Red Hat Container Native Virtualization

Red Hat CoreOS

Red Hat CoreOS Beta

Red Hat Developer Suite v.3

Red Hat Developer Tools Beta (for RHEL Server)

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rhel-9-for-x86_64-appstream-kickstart

Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.4
rhel-9-for-x86_64-appstream-kickstart

Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9
rhel-9-for-x86_64-appstream-rpms

Red Hat Enterprise Linux 9 for x86_64 - AppStream

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- Red Hat CodeReady Linux Builder for RHEL 8 x86_64 (RPMs)
codeready-builder-for-rhel-8-x86_64-rpms
- Red Hat CodeReady Linux Builder for RHEL 9 x86_64 (RPMs)
codeready-builder-for-rhel-9-x86_64-rpms

x86_64 9 + Enable
x86_64 9.4 +
x86_64 9.3 +
x86_64 9.2 +

Enabled Repositories ⓘ Export as CSV 1 - 11 of 11

- Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.3
rhel-9-for-x86_64-appstream-kickstart -
- Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.4
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- Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9
rhel-9-for-x86_64-appstream-rpms -
- Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9.3
rhel-9-for-x86_64-appstream-rpms -
- Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9.4
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Red Hat CodeReady Linux Builder for RHEL 8 x86_64 (RPMs) codeready-builder-for-rhel-8-x86_64-rpms

Red Hat CodeReady Linux Builder for RHEL 9 x86_64 (RPMs) codeready-builder-for-rhel-9-x86_64-rpms

x86_64 9.2 +

x86_64 9.1 +

x86_64 9.0 +

Success Repository 'Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9' has been enabled.

Success Repository 'Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9.4' has been enabled.

Success Repository 'Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9.3' has been enabled.

codeready-builder-for-rhel-9-x86_64-rpms

Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9.4 -

Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.3 -

Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.4 -

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- > Red Hat Enterprise Linux 7 Server - Extras (RPMs) rhel-7-server-extras-rpms ★
- > Red Hat Enterprise Linux 7 Server (Kickstart) rhel-7-server-kickstart ★
- > Red Hat Enterprise Linux 7 Server - Optional (RPMs) rhel-7-server-optional-rpms ★
- > Red Hat Enterprise Linux 7 Server (RPMs) rhel-7-server-rpms ★
- > Red Hat Enterprise Linux 8 for x86_64 - AppStream - Extended Update Support (RPMs) rhel-8-for-x86_64-appstream-eus-rpms ★
- > Red Hat Enterprise Linux 8 for x86_64 - AppStream (Kickstart) ★

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- Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9 codeready-builder-for-rhel-9-x86_64-rpms -
- Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9.3 codeready-builder-for-rhel-9-x86_64-rpms -
- Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9.4 codeready-builder-for-rhel-9-x86_64-rpms -
- Red Hat Enterprise Linux 8 for x86_64 - AppStream Kickstart 8.9 rhel-8-for-x86_64-appstream-kickstart -
- Red Hat Enterprise Linux 8 for x86_64 - AppStream RPMs 8 rhel-8-for-x86_64-appstream-rpms -

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rhel-8-for-x86_64-appstream-eus-rpms

Red Hat Enterprise Linux 8 for x86_64 - AppStream (Kickstart) rhel-8-for-x86_64-appstream-kickstart 

x86_64 8.8 

x86_64 8.7 

x86_64 8.6 

x86_64 8.5 

x86_64 8.4 

x86_64 8.3 

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Red Hat Enterprise Linux 8 for x86_64 - AppStream RPMs 8 rhel-8-for-x86_64-appstream-rpms 

Red Hat Enterprise Linux 8 for x86_64 - BaseOS Kickstart 8.9 rhel-8-for-x86_64-baseos-kickstart 

Red Hat Enterprise Linux 8 for x86_64 - BaseOS RPMs 8 rhel-8-for-x86_64-baseos-rpms 

Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.3 rhel-9-for-x86_64-appstream-kickstart 

Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.4 rhel-9-for-x86_64-appstream-kickstart 

Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9 rhel-9-for-x86_64-appstream-rpms 



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x86_64 8.3



x86_64 8.2



x86_64 8.1



x86_64 8.0



Red Hat Enterprise Linux 8 for x86_64 - AppStream (RPMs)



rhel-8-for-x86_64-appstream-rpms

x86_64 8.9 ⓘ



x86_64 8.8 ⓘ



x86_64 8.7 ⓘ



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Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9
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rhel-9-for-x86_64-appstream-rpmsRed Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9.4
rhel-9-for-x86_64-appstream-rpmsRed Hat Enterprise Linux 9 for x86_64 - BaseOS Kickstart 9.3
rhel-9-for-x86_64-baseos-kickstartRed Hat Enterprise Linux 9 for x86_64 - BaseOS Kickstart 9.4
rhel-9-for-x86_64-baseos-kickstartRed Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9
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x86_64 8.8 ⓘ



x86_64 8.7 ⓘ



x86_64 8.6 ⓘ



x86_64 8.5 ⓘ



x86_64 8.4 ⓘ



x86_64 8.3 ⓘ



x86_64 8.2 ⓘ



x86_64 8.1 ⓘ



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Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs
9

rhel-9-for-x86_64-baseos-rpms

Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs
9.3

rhel-9-for-x86_64-baseos-rpms

Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs
9.4

rhel-9-for-x86_64-baseos-rpms



Red Hat Satellite Client 6 for RHEL 8 x86_64 RPMs



satellite-client-6-for-rhel-8-x86_64-rpms



Red Hat Satellite Client 6 for RHEL 9 x86_64 RPMs



satellite-client-6-for-rhel-9-x86_64-rpms





Set up Products

This is where we choose what third party products we want to sync to the Satellite server

Products

- Red Hat content is already organized into Products. For example, Red Hat Enterprise Linux Server is a Product in Satellite. The repositories for that Product consist of different versions, architectures, and add-ons. For Red Hat repositories, Products are created automatically after enabling the repository. [1]

[1]

https://access.redhat.com/documentation/en-us/red_hat_satellite/6.15/html-single/managing_content/index#Products_and.Repositories_content-management





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Select Action

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	Name	Description	Sync Status	Sync Plan	Repositories
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for x86_64		Last synced 7 minutes ago.	None	3
<input type="checkbox"/>	Red Hat Enterprise Linux for x86_64		Last synced 2 minutes ago.	None	16

20 per page

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Products

- Let's say we want to enable Extra Packages for Enterprise Linux (EPEL)
- First, we have to enable the Content Credential for EPEL

Red Hat Satellite - Content | manifests | Subscription S | Index of /pub/epel +
dl.fedoraproject.org/pub/epel/

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Index of /pub/epel

Name	Last modified	Size	Description
Parent Directory		-	
4/	2017-04-11 15:28	-	
4AS/	2017-04-11 15:28	-	
4ES/	2017-04-11 15:28	-	
4WS/	2017-04-11 15:28	-	
5/	2017-04-11 15:31	-	
5Client/	2017-04-11 15:31	-	
5Server/	2017-04-11 15:31	-	
6/	2020-12-02 17:48	-	
6Server/	2020-12-02 17:48	-	
7/	2021-07-08 18:23	-	
7Server/	2021-07-08 18:23	-	
8/	2019-12-10 20:05	-	
9/	2021-12-02 19:53	-	
RPM-GPG-KEY-EPEL	2007-03-03 14:11	1.7K	
RPM-GPG-KEY-EPEL-4	2007-03-03 14:11	1.7K	
RPM-GPG-KEY-EPEL-5	2007-03-03 14:11	1.7K	
RPM-GPG-KEY-EPEL-6	2010-05-12 01:25	1.6K	
RPM-GPG-KEY-EPEL-6Server	2010-05-12 01:25	1.6K	
RPM-GPG-KEY-EPEL-7	2014-06-20 18:54	1.6K	
RPM-GPG-KEY-EPEL-7Server	2014-06-20 18:54	1.6K	
RPM-GPG-KEY-EPEL-8	2019-08-01 17:21	1.6K	
RPM-GPG-KEY-EPEL-9	2021-09-07 16:54	1.6K	
epel-next-release-latest-8.noarch.rpm	2023-04-17 13:32	11K	
epel-next-release-latest-9.noarch.rpm	2023-08-17 09:57	8.2K	

Red Hat Satellite - Content | manifests | Subscription S | dl.fedoraproject.org/pub/epel/RPM-GPG-KEY-EPEL-9 +



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All Bookmarks

-----BEGIN PGP PUBLIC KEY BLOCK-----

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VL469Kj5m13T6w==
=Mjs/
-----END PGP PUBLIC KEY BLOCK-----
```



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Content Credential > New Content Credential

Name

EPEL 9

Type

GPG Key

Content Credential Contents

```
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VL469Kj5m13T6w==
=Mjs/
-----END PGP PUBLIC KEY BLOCK-----
```

Choose File No file chosen

Upload Content Credential file

Save

Cancel

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EPEL 9

Content Credential > EPEL 9

Details Products Repositories Alternate Content Sources

Name: EPEL 9

Type: GPG Key

Content:

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tCdGZWrvcmEgKGVwZw5KSA8ZXBlbEBmZWRvcmFwcm9qZWN0Lm9yZz6JAK4EEwEI
ADgWIQT/itE0RZcQbs6B05GK0HK/MihGfAUCYTeY6wIbDwULCQgHAgYVCgkICwIE
FgIDAQIeAQIXgAAKCRCK0HK/MihGfFX/EACBPWv20+ttYu1A5WvtHJPzbj0U4yF
3zTQpBglQ2UfkRpYdipTlt3Ih6j5h2VmgRPtINCc/ZE28adrWpBoeFIS2YAK0CLC
nZYtHl2nCoLq1U7FSttUGsZ/t8uGCBgnugTfnIYcmLP1jKKKA6RJAclK89evDQX5n
R9ZD+Cq3CBMlltvSTcht0qQVlwycedH8iWyYgP/mF0W35BIn7NuuZwWhgR00n/VG
4nbKP0zTwbsP45awcmivdrS74P6mL84WfkghipdmcoyVb1B8ZP4Y/Ke0RX0nLhNe
```

Content Credential EPEL 9 has been created.

Remove Content Credential

Products

- Now we need to define the EPEL 9 product



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Filter...

Search

Create Product

Repo Discovery

Select Action

0 of 2 Selected

	Name	Description	Sync Status	Sync Plan	Repositories
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for x86_64		Last synced 18 minutes ago.	None	3
<input type="checkbox"/>	Red Hat Enterprise Linux for x86_64		Last synced 13 minutes ago.	None	16

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Configure

Create Product

Products > New Product

Name

EPEL 9

Label

EPEL_9

GPG Key

EPEL 9

SSL CA Cert



SSL Client Cert



SSL Client Key



Sync Plan



Description



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Configure

Products > New Product

Name

EPEL 9

Label

EPEL_9

GPG Key

EPEL 9

SSL CA Cert

SSL Client Cert

SSL Client Key

Sync Plan

+ Create Sync Plan

Description

Save

Cancel

Products

- Now we edit the repository for EPEL 9

Red Hat Satellite - Repo... dl.fedoraproject.org/pub/e... +

Not secure https://satellite.aus.sparksoftcorp.io/products/265/repositories?page=1&per_page=20

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Red Hat Satellite Sparksoft Corporation Austin Admin User

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Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Content Types Hosts Configure

EPEL 9

Products > EPEL 9 > Repositories

Details **Repositories** Tasks

Filter... Search New Repository Sync Now Remove Repositories Reclaim Space

0 of 0 Selected

<input type="checkbox"/>	Name	Type	Sync Status	Content
You currently don't have any Repositories included in this Product, you can add Repositories using the button on the right.				



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Configure

EPEL 9

Products > EPEL 9 > Repositories > New Repository

Select Action

Details

Repositories

Tasks

New Repository

Basic Information

Name

EPEL 9 Repository

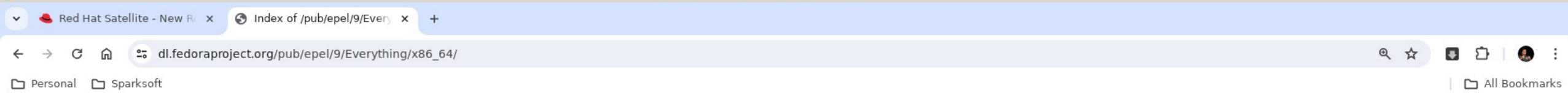
Label

EPEL_9 Repository

Description

Type

- ansible collection
- docker
- file
- yum



Index of /pub/epel/9/Everything/x86_64

Name	Last modified	Size	Description
Parent Directory	-	-	
Packages/	2024-05-01 02:02	-	
debug/	2023-11-11 06:21	-	
drpms/	2024-05-01 02:05	-	
repodata/	2024-05-01 02:15	-	

Red Hat Satellite - Repository EPEL 9 - Google Chrome
Index of /pub/epel/9/Every +
Not secure https://satellite.aus.sparksoftcorp.io/products/265/repositories?page=1&per_page=20
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EPEL 9

Products > EPEL 9 > Repositories

Details Repositories Tasks

Filter... Search New Repository Sync Now Remove Repositories Reclaim Space

0 of 1 Selected

<input type="checkbox"/>	Name	Type	Sync Status	Content
<input type="checkbox"/>	EPEL 9 Repository	yum	Not Synced	0 Packages 0 Errata 0 Package Groups 0 Module Streams

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Repository EPEL 9 Repository successfully created.

Red Hat Satellite - Create x Red Hat Satellite - Product x Index of /pub/epel/9/Every x +

Not secure https://satellite.aus.sparksoftcorp.io/products?page=1&per_page=20&sortBy=name&sortOrder=ASC

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Products

Filter... Search | Create Product Repo Discovery Select Action | 0 of 4 Selected

	Name	Description	Sync Status	Sync Plan	Repositories
<input type="checkbox"/>	EPEL 9		Last synced 4 minutes ago.	None	1
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for x86_64		Last synced 28 minutes ago.	None	3
<input type="checkbox"/>	Red Hat Enterprise Linux for x86_64		Last synced 23 minutes ago.	None	16
<input type="checkbox"/>	Sparksoft		Last synced 22 seconds ago.	None	1

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Set up a Sync Plan

Define how often you want your Satellite server to sync content.

Red Hat Satellite - Create x Red Hat Satellite - Sync P x Index of /pub/epel/9/Every x +

Not secure https://satellite.aus.sparksoftcorp.io/sync_plans?page=1&per_page=20&sortBy=name&sortOrder=ASC

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Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Content Types Hosts Configure

Sync Plans

Filter... Search Create Sync Plan

Name	Description	Original Sync Date	Sync Enabled	Interval	Next Sync
You currently don't have any Sync Plans. A Sync Plan can be created by using the button on the right.					



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Sync Plans > New Sync Plan

Name**Description****Interval****Start Date** **Start Time**

HH	:	MM
▼		▼

The time the sync should happen in your current time zone.

Save **Cancel**



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Create Sync Plan

Sync Plans > New Sync Plan

Name

Nightly Sync

Description**Interval**

daily

Start Date

2024-05-01

**Start Time**

02 : 00



The time the sync should happen in your current time zone.

Save**Cancel**

Red Hat Satellite - Create x Red Hat Satellite - Sync P x Index of /pub/epel/9/Every x +

Not secure https://satellite.aus.sparksoftcorp.io/sync_plans/1

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Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Content Types Hosts Configure

Nightly Sync

Sync Plans > Nightly Sync

Details Products

New sync plan successfully created.

Select Action

Basic Information

Name:	Nightly Sync	
Description:		
Start Date:	May 01, 2024, 02:00 AM	
Next Sync:	May 02, 2024 at 02:00 AM	
Recurring Logic:	23	
Sync Enabled:	Yes	
Interval:	daily	
Products:	0	

Red Hat Satellite - Product Management for Sync Plan: Nightly Sync - Google Chrome

Red Hat Satellite - Create Red Hat Satellite - Product Index of /pub/epel/9/Every +

Not secure https://satellite.aus.sparksoftcorp.io/sync_plans/1/products?page=1&per_page=20&sortBy=name&sortOrder=ASC

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Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Content Types Hosts Configure

Nightly Sync

Sync Plans > Nightly Sync > List Products

Details Products

List/Remove Add

Filter... Search Remove Selected 0 of 0 Selected

<input type="checkbox"/>	Name	Description	Sync Status	Repositories
No products have been added to this Sync Plan.				

Red Hat Satellite - Product Management for Sync Plan: Nightly Sync - Google Chrome

Red Hat Satellite - Create Red Hat Satellite - Product Index of /pub/epel/9/Every | +

Not secure https://satellite.aus.sparksoftcorp.io/sync_plans/1/products/add?page=1&per_page=20&sortBy=name&sortOrder=ASC

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Nightly Sync

Sync Plans > Nightly Sync > Add Products

Details Products

List/Remove Add

Filter... Search Add Selected

0 of 4 Selected

	Name	Description	Sync Status	Repositories
<input type="checkbox"/>	EPEL 9		Last synced 9 minutes ago.	1
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for x86_64		Last synced 33 minutes ago.	3
<input type="checkbox"/>	Red Hat Enterprise Linux for x86_64		Last synced 28 minutes ago.	16
<input type="checkbox"/>	Sparksoft		Last synced 5 minutes ago.	1

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Red Hat Satellite - Create x Red Hat Satellite - Product x Index of /pub/epel/9/Every x +

Not secure https://satellite.aus.sparksoftcorp.io/sync_plans/1/products/add?page=1&per_page=20&sortBy=name&sortOrder=ASC

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Nightly Sync

Sync Plans > Nightly Sync > Add Products

Details Products

List/Remove Add

Filter... Search Add Selected

4 of 4 Selected

Name	Description	Sync Status	Repositories
EPEL 9		Last synced 9 minutes ago.	1
Red Hat CodeReady Linux Builder for x86_64		Last synced 33 minutes ago.	3
Red Hat Enterprise Linux for x86_64		Last synced 28 minutes ago.	16
Sparksoft		Last synced 5 minutes ago.	1

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Red Hat Satellite - Create x Red Hat Satellite - Product x Index of /pub/epel/9/Every x +

Not secure https://satellite.aus.sparksoftcorp.io/sync_plans/1/products/add?page=1&per_page=20&sortBy=name&sortOrder=ASC

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Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

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Nightly Sync

Sync Plans > Nightly Sync > Add Products

Details Products

List/Remove Add

Filter... Search Add Selected

0 of 0 Selected

No products are available to add to this Sync Plan.

Added 4 products to sync plan "Nightly Sync". Select Action

<input type="checkbox"/>	Name	Description	Sync Status	Repositories
--------------------------	------	-------------	-------------	--------------



Sync content

**Do it once, manually, just to make sure
everything is set up correctly**



Search and go

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 Collapse All Expand All Select None Select All Active only

PRODUCT	START TIME	DURATION	DETAILS	RESULT
▶ Red Hat Enterprise Linux for x86_64				
▶ Red Hat CodeReady Linux Builder for x86_64				
▶ EPEL 9				
▶ Sparksoft				

 Synchronize Now

Red Hat Satellite - Create x Red Hat Satellite x Index of /pub/epel/9/Every x +

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Sync Status

PRODUCT	START TIME	DURATION	DETAILS	RESULT
▼ Red Hat Enterprise Linux for x86_64				
▼ 8				
▼ noarch				
□ Red Hat Enterprise Linux 8 for x86_64 - AppStream RPMs 8	N/A	N/A	N/A	Never Synced
□ Red Hat Enterprise Linux 8 for x86_64 - BaseOS RPMs 8	N/A	N/A	N/A	Never Synced
▼ 8.9				
▼ noarch				
□ Red Hat Enterprise Linux 8 for x86_64 - AppStream Kickstart 8.9	N/A	N/A	N/A	Never Synced
□ Red Hat Enterprise Linux 8 for x86_64 - BaseOS Kickstart 8.9	N/A	N/A	N/A	Never Synced
▼ 9				
▼ noarch				
□ Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9	N/A	N/A	N/A	Never Synced
□ Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9	N/A	N/A	N/A	Never Synced
▼ 9.3				
▼ noarch				
□ Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.3	N/A	N/A	N/A	Never Synced
□ Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9.3	N/A	N/A	N/A	Never Synced

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Sync Status

Collapse All Expand All Select None Select All Active only

PRODUCT	START TIME	DURATION	DETAILS	RESULT
▼ Red Hat Enterprise Linux for x86_64				
▼ 8				
▼ noarch				
<input checked="" type="checkbox"/> Red Hat Enterprise Linux 8 for x86_64 - AppStream RPMs 8	N/A	N/A	N/A	Never Synced
<input checked="" type="checkbox"/> Red Hat Enterprise Linux 8 for x86_64 - BaseOS RPMs 8	N/A	N/A	N/A	Never Synced
▼ 8.9				
▼ noarch				
<input checked="" type="checkbox"/> Red Hat Enterprise Linux 8 for x86_64 - AppStream Kickstart 8.9	N/A	N/A	N/A	Never Synced
<input checked="" type="checkbox"/> Red Hat Enterprise Linux 8 for x86_64 - BaseOS Kickstart 8.9	N/A	N/A	N/A	Never Synced
▼ 9				
▼ noarch				
<input checked="" type="checkbox"/> Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9	N/A	N/A	N/A	Never Synced
<input checked="" type="checkbox"/> Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9	N/A	N/A	N/A	Never Synced
▼ 9.3				
▼ noarch				
<input checked="" type="checkbox"/> Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.3	N/A	N/A	N/A	Never Synced
<input checked="" type="checkbox"/> Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9.3	N/A	N/A	N/A	Never Synced

Red Hat Satellite - Create x Red Hat Satellite x Index of /pub/epel/9/Every x +

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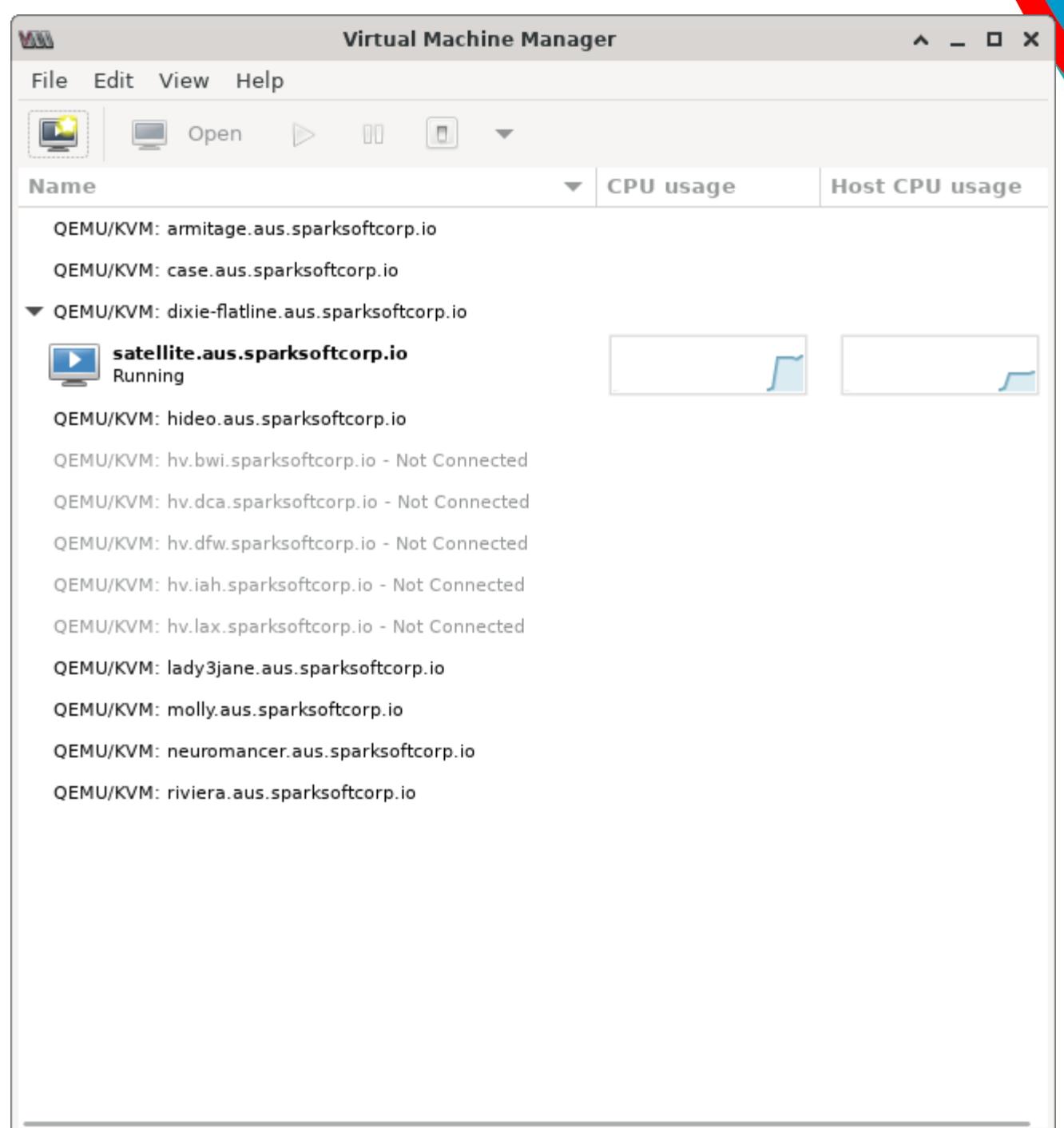
Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Content Types Hosts Configure

Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9.4

	Synced	Syncing	Sync Failed	Last Synced
<input checked="" type="checkbox"/> Red Hat Satellite Client 6 for RHEL 9 x86_64 RPMs	N/A	N/A	N/A	Never Synced
<input checked="" type="checkbox"/> Red Hat Satellite Client 6 for RHEL 8 x86_64 RPMs	N/A	N/A	N/A	Never Synced
Red Hat CodeReady Linux Builder for x86_64				
9				
noarch				
<input checked="" type="checkbox"/> Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9	N/A	N/A	N/A	Never Synced
9.3				
noarch				
<input checked="" type="checkbox"/> Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9.3	N/A	N/A	N/A	Never Synced
9.4				
noarch				
<input checked="" type="checkbox"/> Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9.4	N/A	N/A	N/A	Never Synced
EPEL 9				
<input checked="" type="checkbox"/> EPEL 9 Repository	N/A	N/A	N/A	Never Synced
Sparksoft				
<input checked="" type="checkbox"/> Sparksoft Repo	N/A	N/A	N/A	Never Synced

Synchronize Now



satellite.aus.sparksoftcorp.io on QEMU/KVM: dixie-flatline.aus.sparksoftcorp.io

File Virtual Machine View Send Key

top - 19:34:08 up 3:25, 1 user, load average: 8.83, 2.87, 1.11
 Tasks: 544 total, 5 running, 539 sleeping, 0 stopped, 0 zombie
 %Cpu(s): 47.2 us, 5.9 sy, 0.0 ni, 44.9 id, 0.1 wa, 1.0 hi, 0.9 si, 0.0 st
 MiB Mem : 24066.1 total, 185.8 free, 20572.1 used, 3308.2 buff/cache
 MiB Swap: 12100.0 total, 12098.0 free, 2.0 used. 2802.6 avail Mem

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
19568	pulp	20	0	1085184	619820	13636	R	92.3	2.5	0:51.25	pulpcore-worker
19599	pulp	20	0	937780	473888	13376	S	87.5	1.9	0:49.51	pulpcore-worker
19649	pulp	20	0	821640	376376	13460	R	81.7	1.5	0:46.34	pulpcore-worker
19729	pulp	20	0	855808	392888	13552	S	80.8	1.6	0:43.01	pulpcore-worker
20423	pulp	20	0	769744	308140	13644	S	76.0	1.3	0:12.02	pulpcore-worker
19624	pulp	20	0	913256	446996	14176	S	65.4	1.8	0:49.39	pulpcore-worker
19676	pulp	20	0	1180456	731608	13452	S	60.6	3.0	0:47.88	pulpcore-worker
19713	pulp	20	0	865024	419904	13680	S	51.9	1.7	0:42.22	pulpcore-worker
13476	foreman	20	0	1347888	983324	21244	S	32.7	4.0	3:54.24	sidekiq
19783	postgres	20	0	763756	191352	154168	S	32.7	0.8	0:08.10	postmaster
19746	postgres	20	0	762924	196884	160460	S	24.0	0.8	0:09.64	postmaster
20460	postgres	20	0	755104	125508	95668	S	22.1	0.5	0:02.12	postmaster
19682	postgres	20	0	763868	179580	147072	S	19.2	0.7	0:16.81	postmaster
161	root	20	0	0	0	0	S	15.4	0.0	0:00.66	kswapd0
19641	postgres	20	0	763064	180040	143488	R	15.4	0.7	0:11.78	postmaster
19798	postgres	20	0	763348	183232	146536	S	11.5	0.7	0:11.82	postmaster
14523	pulp	20	0	474444	142308	11220	S	10.6	0.6	0:26.21	pulpcore-api
12758	foreman	20	0	1005828	632108	13324	S	6.7	2.6	0:43.58	rails
19549	root	20	0	191152	38936	7052	S	6.7	0.2	0:14.20	sssd_kcm
14547	pulp	20	0	487604	155404	11160	S	5.8	0.6	0:25.83	pulpcore-api
11519	apache	20	0	3151116	19704	8348	S	3.8	0.1	0:08.14	httpd
13388	foreman	20	0	1019036	669200	21164	S	3.8	2.7	1:31.87	sidekiq
14520	pulp	20	0	478888	146532	11160	S	3.8	0.6	0:26.60	pulpcore-api
1103	root	20	0	493556	33268	18132	S	2.9	0.1	0:43.84	tuned
11520	apache	20	0	3085580	23212	8556	S	2.9	0.1	0:16.44	httpd
20714	root	20	0	54848	4576	3360	R	2.9	0.0	0:00.21	top
10939	postgres	20	0	144976	7388	4384	R	1.9	0.0	0:00.58	postmaster
14515	pulp	20	0	584588	251668	11160	S	1.9	1.0	0:26.75	pulpcore-api
14522	pulp	20	0	476480	143952	11160	S	1.9	0.6	0:24.03	pulpcore-api
19621	postgres	20	0	763020	186480	150044	S	1.9	0.8	0:18.07	postmaster
805	root	20	0	97992	22648	21112	S	1.0	0.1	0:02.93	systemd-journal
10938	postgres	20	0	724380	59524	58012	S	1.0	0.2	0:04.60	postmaster
10945	postgres	20	0	142800	6372	4236	S	1.0	0.0	0:07.42	postmaster
11195	tomcat	20	0	13.6g	1.9g	39660	S	1.0	8.2	4:06.53	java
12762	foreman	20	0	1074576	711908	14520	S	1.0	2.9	1:00.39	rails
12909	postgres	20	0	726656	39824	36836	S	1.0	0.2	0:01.85	postmaster
18839	postgres	20	0	726660	48204	45172	S	1.0	0.2	0:00.47	postmaster
19170	root	20	0	0	0	0	I	1.0	0.0	0:00.03	kworker/5:2-events
19735	postgres	20	0	773172	201064	153708	S	1.0	0.8	0:09.73	postmaster
20733	postgres	20	0	727820	24276	21868	S	1.0	0.1	0:00.02	postmaster
20739	postgres	20	0	727820	24616	22208	S	1.0	0.1	0:00.01	postmaster
1	root	20	0	242300	15512	9284	S	0.0	0.1	0:34.13	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.04	kthreadd

Red Hat Satellite - Create x Red Hat Satellite x Index of /pub/epel/9/Every x +

Not secure https://satellite.aus.sparksoftcorp.io/katello/sync_management

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Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Content Types Hosts Configure

Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9 3 minutes ago Total steps: 15566/24062 Cancel

Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9 3 minutes ago Total steps: 13378/13378 Cancel

9.3

noarch

Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.3 3 minutes ago Total steps: 11504/11504 Cancel

Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9.3 3 minutes ago Total steps: 13578/21148 Cancel

Red Hat Enterprise Linux 9 for x86_64 - BaseOS Kickstart 9.3 1 minute ago 1 minute Added Rpm: 1156 Syncing Complete.

Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9.3 3 minutes ago Total steps: 13088/13088 Cancel

9.4

noarch

Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.4 3 minutes ago 3 minutes Added Rpm: 5850 Syncing Complete.

Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9.4 3 minutes ago Total steps: 15565/24062 Cancel

Red Hat Enterprise Linux 9 for x86_64 - BaseOS Kickstart 9.4 3 minutes ago Total steps: 1719/1719 Cancel

Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9.4 3 minutes ago Total steps: 5019/7675 Cancel

Red Hat Satellite Client 6 for RHEL 9 x86_64 RPMs 1 minute ago 1 minute Added Rpm: 32, Errata: 8 Syncing Complete.

Red Hat Satellite Client 6 for RHEL 8 x86_64 RPMs 3 minutes ago Waiting to start. Cancel

Red Hat CodeReady Linux Builder for x86_64

Red Hat Satellite - Create x Red Hat Satellite x Index of /pub/epel/9/Every x +

Not secure https://satellite.aus.sparksoftcorp.io/katello/sync_management

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Content Types Hosts Configure

noarch

- Red Hat Enterprise Linux 8 for x86_64 - AppStream Kickstart 8.9 about 2 hours ago 6 minutes Added Rpm: 6944 Syncing Complete.
- Red Hat Enterprise Linux 8 for x86_64 - BaseOS Kickstart 8.9 about 2 hours ago 4 minutes Added Rpm: 1741 Syncing Complete.

9

noarch

- Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9 about 2 hours ago 9 minutes Added Rpm: 17507, Errata: 3831 Syncing Complete.
- Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9 about 2 hours ago 4 minutes Added Rpm: 6165, Errata: 1161 Syncing Complete.

9.3

noarch

- Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.3 about 2 hours ago 3 minutes Added Rpm: 5657 Syncing Complete.
- Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9.3 about 2 hours ago 9 minutes Added Rpm: 15562, Errata: 3471 Syncing Complete.
- Red Hat Enterprise Linux 9 for x86_64 - BaseOS Kickstart 9.3 about 2 hours ago 1 minute Added Rpm: 1156 Syncing Complete.
- Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9.3 about 2 hours ago 4 minutes Added Rpm: 5461, Errata: 1036 Syncing Complete.

9.4

noarch

- Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.4 about 2 hours ago 3 minutes Added Rpm: 5850 Syncing Complete.
- Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9.4 about 2 hours ago 9 minutes Added Rpm: 17507, Errata: 3831 Syncing Complete.
- Red Hat Enterprise Linux 9 for x86_64 - BaseOS Kickstart 9.4 about 2 hours ago 3 minutes Added Rpm: 1165 Syncing Complete.
- Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9.4 about 2 hours ago 5 minutes Added Rpm: 6165, Errata: 1161 Syncing Complete.

Red Hat Satellite Client 6 for RHEL 8 x86_64 RPMs about 2 hours ago 4 minutes Added Rpm: 32, Errata: 8 Syncing Complete.

Red Hat Satellite Client 6 for RHEL 9 x86_64 RPMs about 2 hours ago 1 minute Added Rpm: 32, Errata: 8 Syncing Complete.

Red Hat CodeReady Linux Builder for x86_64

Terminal - root@satellite:~

File Edit View Terminal Tabs Help

```
[root@satellite ~]# df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        12G    0   12G  0% /dev
tmpfs          12G  64K   12G  1% /dev/shm
tmpfs          12G  26M   12G  1% /run
tmpfs          12G    0   12G  0% /sys/fs/cgroup
/dev/mapper/rhel-root  70G  1.3G   69G  2% /
/dev/mapper/rhel/usr   5.0G  4.0G   1.1G  79% /usr
/dev/vda1       1014M 253M   762M  25% /boot
/dev/mapper/rhel-var_lib_pgsql  20G  3.3G   17G  17% /var/lib/pgsql
/dev/mapper/rhel-var_lib_pulp   282G  21G   261G  8% /var/lib/pulp
/dev/mapper/rhel-opt_puppetlabs 1014M 173M   842M  17% /opt/puppetlabs
/dev/mapper/rhel-var_log     10G  125M   9.9G  2% /var/log
tmpfs          2.4G    0   2.4G  0% /run/user/0
[root@satellite ~]#
```



Tell Satellite About Your World!

You'll define your domains, locations, subnets, etc.

Subnets

- Go to Infrastructure/Subnets and set up any subnets for your enterprise

Search and go

 Monitor Content Hosts Configure Infrastructure

Capsules

Compute Resources

Virt-who configurations

Compute Profiles

Subnets

Domains

HTTP Proxies

Realms

 Administer

Subnets

Satellite can store information about the networking setup of a host that it's provisioning, which can be used to configure the virtual machine, assign the correct IP addresses and network resources, then configure the OS correctly during the provisioning process.

For more information please see [documentation](#)

[Create Subnet](#)

Personal Sparksoft

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Subnets > Create Subnet

Subnet Remote Execution Domains Capsules Parameters Locations Organizations

Name *

Description

Protocol * IPv4 IPv6

Network Address *

Network Prefix ⓘ * Prefix length for this subnet, e.g. 24

Network Mask * Netmask for this subnet

Gateway Address Optional: Gateway for this subnet

Primary DNS Server Optional: Primary DNS for this subnet

Secondary DNS Server Optional: Secondary DNS for this subnet

IPAM ⓘ

Vlan Id Optional: VLAN ID for this subnet

Personal Sparksoft

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Subnets > Create Subnet

Subnet Remote Execution Domains Capsules Parameters Locations Organizations

Name * Austin Subnet

Description

Protocol * IPv4 IPv6

Network Address * 172.31.100.0

Network Prefix i * 24 Prefix length for this subnet, e.g. 24

Network Mask * 255.255.255.0 Netmask for this subnet

Gateway Address 172.31.100.1 Optional: Gateway for this subnet

Primary DNS Server 172.31.100.15 Optional: Primary DNS for this subnet

Secondary DNS Server

IPAM i None

Vlan Id

Optional: VLAN ID for this subnet

Personal Sparksoft

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Network Prefix * 24 Prefix length for this subnet, e.g. 24

Network Mask * 255.255.255.0 Netmask for this subnet

Gateway Address 172.31.100.1 Optional: Gateway for this subnet

Primary DNS Server 172.31.100.15 Optional: Primary DNS for this subnet

Secondary DNS Server Optional: Secondary DNS for this subnet

IPAM * None
Vlan Id DHCP
MTU * Internal DB
Link Delay Random DB
Boot Mode External IPAM
None

Optional: VLAN ID for this subnet

MTU for this subnet

Delay network activity during install for X seconds

Default boot mode for interfaces assigned to this subnet, applied to hosts from provisioning templates

Submit Cancel

Personal Sparksoft

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Network Prefix * 24 Prefix length for this subnet, e.g. 24

Network Mask * 255.255.255.0 Netmask for this subnet

Gateway Address 172.31.100.1 Optional: Gateway for this subnet

Primary DNS Server 172.31.100.15 Optional: Primary DNS for this subnet

Secondary DNS Server (empty) Optional: Secondary DNS for this subnet

IPAM * DHCP

Start Of Ip Range 172.31.100.128 Optional: Starting IP Address for IP auto suggestion

End Of Ip Range 172.31.100.254 Optional: Ending IP Address for IP auto suggestion

Vlan Id (empty) Optional: VLAN ID for this subnet

MTU * 1500 MTU for this subnet

Link Delay (empty) Delay network activity during install for X seconds

Boot Mode DHCP Default boot mode for interfaces assigned to this subnet, applied to hosts from provisioning templates

Submit Cancel



Sparksoft Corporation

Austin



Admin User

Search and go

Monitor >

Content >

Hosts >

Configure >

Infrastructure >

Administer >

Subnets > Create Subnet

Subnet

Remote Execution

Domains

Capsules

Parameters

Locations

Organizations

Capsules

All items

satellite.aus.sparksoftcorp.io

Selected items



Select as many remote execution Capsules as applicable for this subnet. When multiple Capsules with the same provider are added, actions will be load balanced among them.

Submit

Cancel



Sparksoft Corporation

Austin

Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Subnets > Create Subnet

Subnet

Remote Execution

Domains

Capsules

Parameters

Locations

Organizations

Capsules

All items Filter



Selected items

satellite.aus.sparksoftcorp.io

Select as many remote execution Capsules as applicable for this subnet. When multiple Capsules with the same provider are added, actions will be load balanced among them.

Submit

Cancel

Red Hat Satellite - Create Red Hat Satellite - Create Index of /pub/epel/9/Every +
Not secure https://satellite.aus.sparksoftcorp.io/subnets/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Subnets > Create Subnet

Subnet Remote Execution Domains Capsules Parameters Locations Organizations

Domains

All items	Filter	+
aus.sparksoftcorp.io		

Selected items -

Domains in which this subnet is part

Submit Cancel

Red Hat Satellite - Create Red Hat Satellite - Create Index of /pub/epel/9/Every +
Not secure https://satellite.aus.sparksoftcorp.io/subnets/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Subnets > Create Subnet

Subnet Remote Execution Domains Capsules Parameters Locations Organizations

Domains

All items Filter +

Selected items - aus.sparksoftcorp.io

Domains in which this subnet is part

Submit Cancel

Red Hat Satellite - Create Red Hat Satellite - Create Index of /pub/epel/9/Every +
Not secure https://satellite.aus.sparksoftcorp.io/subnets/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Subnets > Create Subnet

Subnet Remote Execution Domains Capsules Parameters Locations Organizations

DHCP Capsule ⓘ

TFTP Capsule ⓘ

Reverse DNS Capsule ⓘ

Discovery Capsule ⓘ

Submit Cancel



Subnets > Create Subnet

Subnet Remote Execution Domains Capsules Parameters Locations Organizations

DHCP Capsule [i](#) satellite.aus.sparksoftcorp.io [x](#) [?](#)

TFTP Capsule satellite.aus.sparksoftcorp.io

Reverse DNS Capsule [i](#) satellite.aus.sparksoftcorp.io

Discovery Capsule  satellite.aus.sparksoftcorp.io

Submit | **Cancel**

Not secure https://satellite.aus.sparksoftcorp.io/subnets/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Subnets > Create Subnet

Subnet Remote Execution Domains Capsules Parameters Locations Organizations

Locations

All items Filter + Selected items -

Austin

Submit Cancel

https://satellite.aus.sparksoftcorp.io/subnets/new#locations

Not secure https://satellite.aus.sparksoftcorp.io/subnets/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Subnets > Create Subnet

Subnet Remote Execution Domains Capsules Parameters Locations Organizations

Organizations Selected items

All items Filter + Sparksoft Corporation -

Submit Cancel

https://satellite.aus.sparksoftcorp.io/subnets/new#organizations



Sparksoft Corporation

Austin

Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Capsules

Compute Resources

Virt-who configurations

Compute Profiles

Subnets

Domains

HTTP Proxies

Realms

Administer

Subnets

Search

→ ↻ ↽ ↾

Boot disk Help Create Subnet

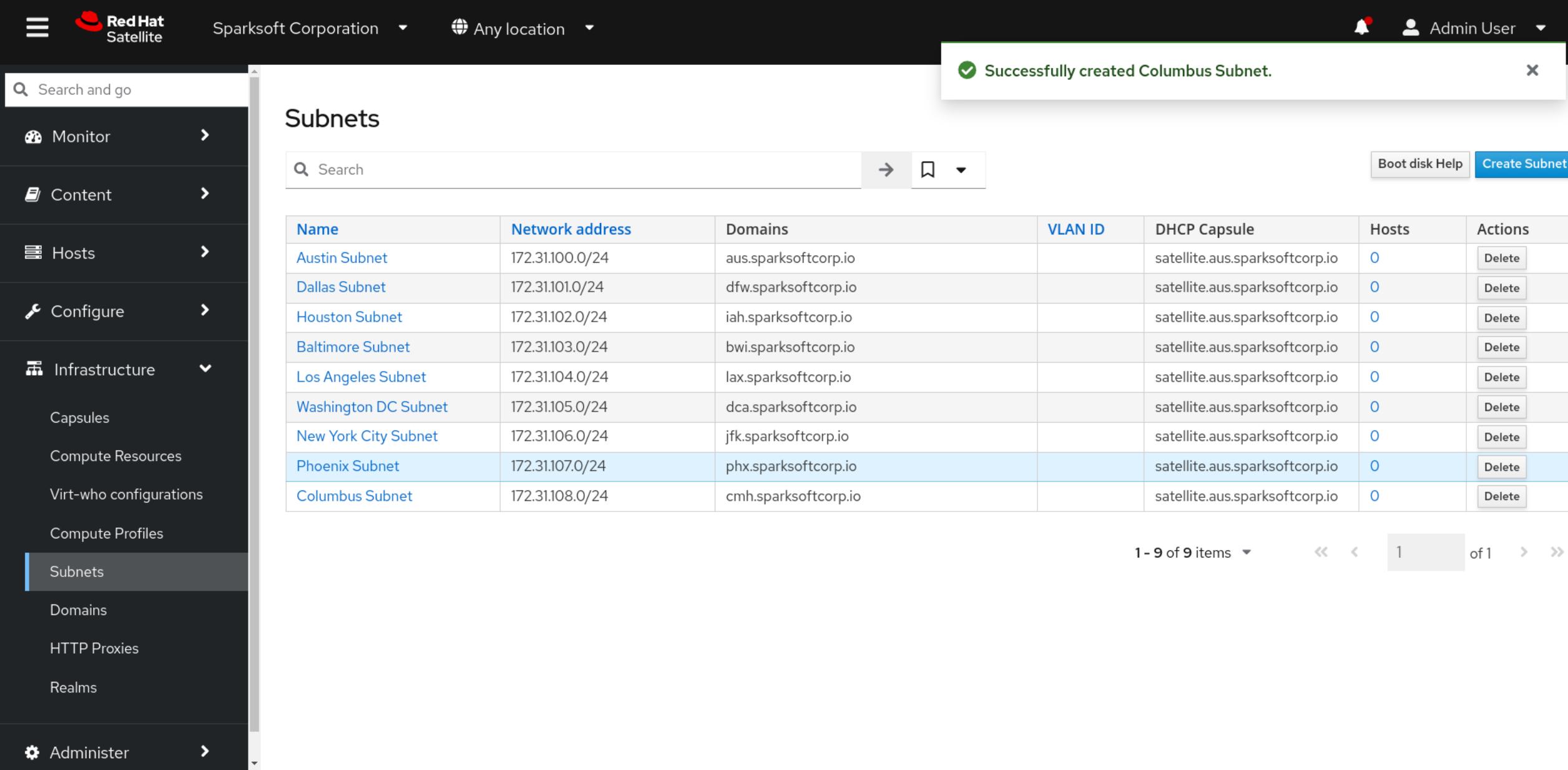
Name	Network address	Domains	VLAN ID	DHCP Capsule	Hosts	Actions
Austin Subnet	172.31.100.0/24	aus.sparksoftcorp.io		satellite.aus.sparksoftcorp.io	0	Delete

1-1 of 1 items

« ‹ › »

1 of 1

✓ Successfully created Austin Subnet.



Domains

- Verify that you have defined the domain you are working in.
- Go to Infrastructure/Domains



Sparksoft Corporation

Austin ▾

Admin User

 Search and go

Monitor

 Content

Hosts

Configure

Infrastructure

Capsules

Compute Resources

Virt-who configurations

Compute Profiles

Subnets

Domains

HTTP Proxies

Realms

Domains

 Search

→

Create Domain

Help

Description	Hosts	Actions
aus.sparksoftcorp.io	1	<button>Delete</button>

1 - 1 of 1 items ▾

8

1

of 1

> >

Red Hat Satellite - Create x Red Hat Satellite - Edit au x Index of /pub/epel/9/Every x +

Not secure https://satellite.aus.sparksoftcorp.io/domains/1-aus-sparksoftcorp-io/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Domains > Edit aus.sparksoftcorp.io

Domain Parameters Locations Organizations

DNS Domain * aus.sparksoftcorp.io The full DNS domain name

Description Full name describing the domain

DNS Capsule i

Red Hat Satellite - Edit aus.sparksoftcorp.io - Google Chrome

Red Hat Satellite - Create x Red Hat Satellite - Edit au x Index of /pub/epel/9/Every x +

Not secure https://satellite.aus.sparksoftcorp.io/domains/1-aus-sparksoftcorp-io/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Domains > Edit aus.sparksoftcorp.io

Domain Parameters Locations Organizations

DNS Domain * aus.sparksoftcorp.io The full DNS domain name

Description Full name describing the domain

DNS Capsule satellite.aus.sparksoftcorp.io

Admin User

Red Hat Satellite - Edit aus.sparksoftcorp.io - Google Chrome

Red Hat Satellite - Create Red Hat Satellite - Edit au Index of /pub/epel/9/Every | +

Not secure https://satellite.aus.sparksoftcorp.io/domains/1-aus-sparksoftcorp-io/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Domains > Edit aus.sparksoftcorp.io

Domain Parameters Locations Organizations

Locations All items Filter + Selected items -

Austin

Monitor Content Hosts Configure Infrastructure Administer

Red Hat Satellite - Edit aus.sparksoftcorp.io - Google Chrome

Red Hat Satellite - Create Red Hat Satellite - Edit au Index of /pub/epel/9/Every | +

Not secure https://satellite.aus.sparksoftcorp.io/domains/1-aus-sparksoftcorp-io/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Domains > Edit aus.sparksoftcorp.io

Domain Parameters Locations Organizations

Locations All items Filter + Selected items -

Austin

Monitor Content Hosts Configure Infrastructure Administer

Red Hat Satellite - Edit aus.sparksoftcorp.io - Google Chrome

Red Hat Satellite - Create x Red Hat Satellite - Edit au x Index of /pub/epel/9/Every x +

Not secure https://satellite.aus.sparksoftcorp.io/domains/1-aus-sparksoftcorp-io/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Domains > Edit aus.sparksoftcorp.io

Domain Parameters Locations Organizations

Organizations All items Filter + Selected items -

Sparksoft Corporation

Monitor Content Hosts Configure Infrastructure Administer

Red Hat Satellite - Edit aus.sparksoftcorp.io - Google Chrome

Red Hat Satellite - Create x Red Hat Satellite - Edit au x Index of /pub/epel/9/Every x +

Not secure https://satellite.aus.sparksoftcorp.io/domains/1-aus-sparksoftcorp-io/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Domains > Edit aus.sparksoftcorp.io

Domain Parameters Locations Organizations

Organizations All items Filter + Selected items -

Sparksoft Corporation

Monitor Content Hosts Configure Infrastructure Administer

Locations

- Go to Administer/Locations and set up your locations



Sparksoft Corporation

Austin

Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Locations

Organizations

Authentication Sources

Users

User Groups

Roles

Bookmarks

Remote Execution

Features

Locations

Search



New Location

Matches Report

Name	Hosts	Actions
Austin	1	Edit

1-1 of 1 items

<< < 1 of 1 > >>

Red Hat Satellite - Edit Austin - Google Chrome

Not secure https://satellite.aus.sparksoftcorp.io/locations/2-Austin/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Locations > Edit Austin

Primary

All capsules

Select capsules

All items Filter +

Selected items -

satellite.aus.sparksoftcorp.io

Capsules

Subnets

Compute Resources

Media

Provisioning Templates

Partition Tables

Domains

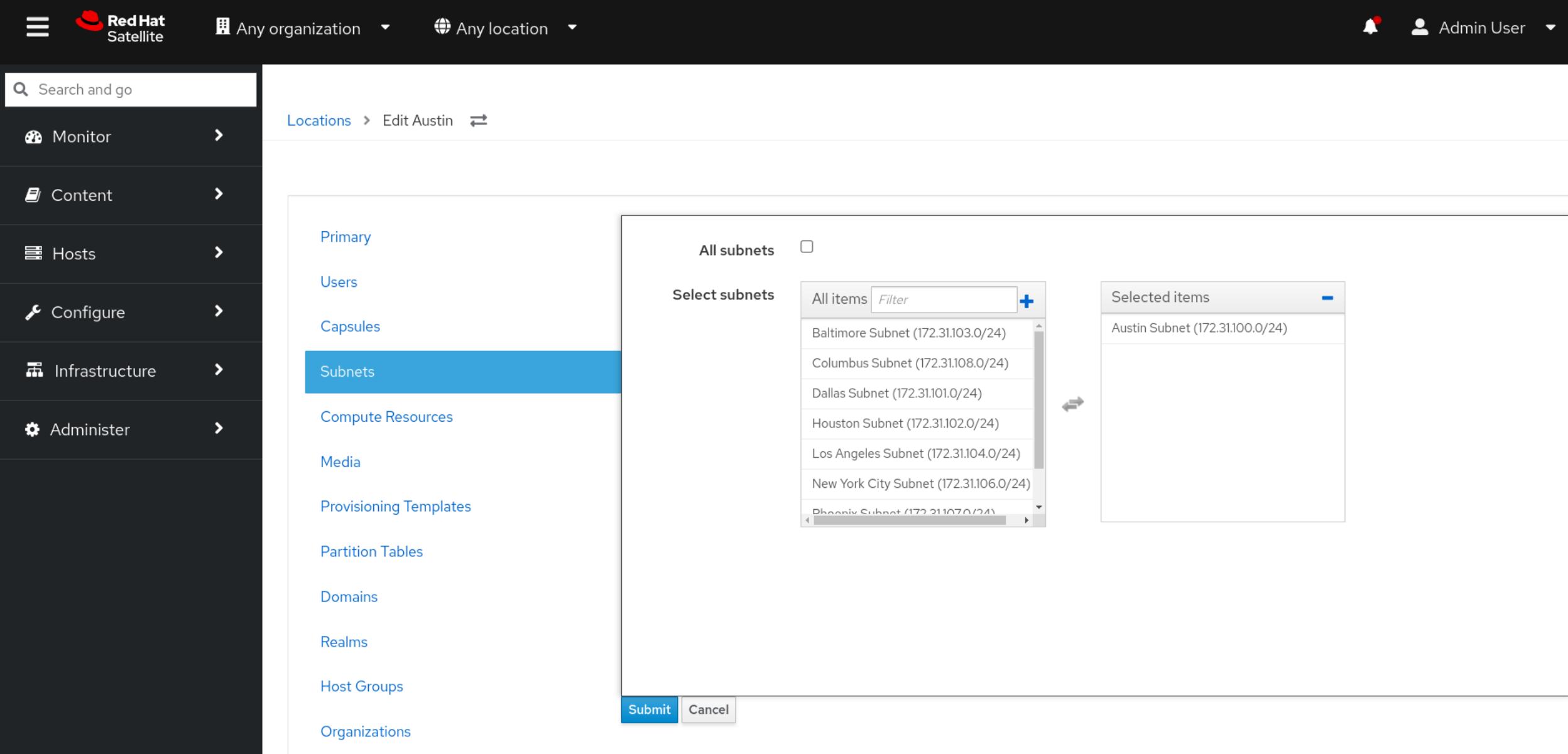
Realms

Host Groups

Organizations

Submit Cancel

https://satellite.aus.sparksoftcorp.io/locations/2-Austin/edit#smart_proxies



Red Hat Satellite - Edit Austin - Google Chrome

Red Hat Satellite - Create | Red Hat Satellite - Edit De | Red Hat Satellite - Domai | Red Hat Satellite - Edit Au | Index of /pub/epel/9/Ever | +

Not secure https://satellite.aus.sparksoftcorp.io/locations/2-Austin/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Locations > Edit Austin

Primary

Users

Capsules

Subnets

Compute Resources

Media

Provisioning Templates

Partition Tables

Domains

Realms

Host Groups

Organizations

All domains

Select domains

All items Filter +

bwi.sparksoftcorp.io
cmh.sparksoftcorp.io
dca.sparksoftcorp.io
dfw.sparksoftcorp.io
iah.sparksoftcorp.io
jfk.sparksoftcorp.io
lax.sparksoftcorp.io

Selected items -

aus.sparksoftcorp.io

Submit Cancel

The screenshot shows the Red Hat Satellite web interface. On the left, a sidebar lists navigation options: Monitor, Content, Hosts, Configure, Infrastructure, and Administer. Under 'Administer', the 'Domains' option is selected and highlighted in blue. The main content area shows the 'Edit Austin' location configuration. A modal dialog is open for selecting domains, titled 'Select domains'. It contains a list of available domains: bwi.sparksoftcorp.io, cmh.sparksoftcorp.io, dca.sparksoftcorp.io, dfw.sparksoftcorp.io, iah.sparksoftcorp.io, jfk.sparksoftcorp.io, and lax.sparksoftcorp.io. One domain, 'aus.sparksoftcorp.io', is selected and listed in the 'Selected items' section. At the bottom of the modal are 'Submit' and 'Cancel' buttons.

Red Hat Satellite - Edit Austin - Google Chrome

Red Hat Satellite - Create | Red Hat Satellite - Edit De | Red Hat Satellite - Domai | Red Hat Satellite - Edit Au | Index of /pub/epel/9/Ever | +

Not secure https://satellite.aus.sparksoftcorp.io/locations/2-Austin/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Primary Users Capsules Subnets Compute Resources Media Provisioning Templates Partition Tables Domains Realms Host Groups Organizations Parameters

Select organizations All items Filter +

Selected items Sparksoft Corporation

Submit Cancel

The screenshot shows the Red Hat Satellite web interface. The left sidebar contains navigation links: Monitor, Content, Hosts, Configure, Infrastructure, and Administer. Below these are several primary categories: Users, Capsules, Subnets, Compute Resources, Media, Provisioning Templates, Partition Tables, Domains, Realms, Host Groups, Organizations, and Parameters. The 'Organizations' link is currently active, indicated by a blue bar at the bottom of the list. In the center, a modal dialog titled 'Select organizations' is open. It has two panes: 'Select organizations' on the left and 'Selected items' on the right. The 'Selected items' pane contains the entry 'Sparksoft Corporation'. At the bottom of the modal are 'Submit' and 'Cancel' buttons.

Red Hat Satellite - New Location - Google Chrome

Red Hat Satellite - Create | Red Hat Satellite - Edit De | Red Hat Satellite - Domai | Red Hat Satellite - New Lo | Index of /pub/epel/9/Ever | +

Not secure https://satellite.aus.sparksoftcorp.io/locations/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Locations > New Location

1 Create Location 2 Select Hosts 3 Edit Properties

Parent

Name * Dallas

Description

Submit Cancel

The screenshot shows a web browser window for the Red Hat Satellite application. The URL is https://satellite.aus.sparksoftcorp.io/locations/new. The interface has a dark theme with a sidebar on the left containing navigation links like Monitor, Content, Hosts, Configure, Infrastructure, and Administer. The main content area is titled 'Locations > New Location'. A progress bar at the top indicates three steps: '1 Create Location' (highlighted in blue), '2 Select Hosts', and '3 Edit Properties'. Below the progress bar, there are fields for 'Parent' (a dropdown menu), 'Name *' (containing 'Dallas'), and 'Description' (an empty text area). At the bottom are 'Submit' and 'Cancel' buttons.

Red Hat Satellite - Edit Dallas - Google Chrome

Red Hat Satellite - Create | Red Hat Satellite - Edit De | Red Hat Satellite - Domai | Red Hat Satellite - Edit Da | Index of /pub/epel/9/Ever | +

Not secure https://satellite.aus.sparksoftcorp.io/locations/5-Dallas/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Locations > Edit Dallas

Primary

Users

Capsules

Subnets

Compute Resources

Media

Provisioning Templates

Partition Tables

Domains

Realms

Host Groups

Organizations

All capsules

Select capsules

All items Filter + satellite.aus.sparksoftcorp.io

Selected items -

Submit Cancel

The screenshot shows the Red Hat Satellite web interface. The left sidebar contains navigation links: Monitor, Content, Hosts, Configure, Infrastructure, and Administer. The 'Capsules' link is highlighted with a blue background. The main content area shows the 'Edit Dallas' location configuration. A modal dialog is open for selecting capsules, with 'satellite.aus.sparksoftcorp.io' listed in the 'Selected items' section. The interface has a dark theme with red and white highlights for certain elements.

Red Hat Satellite - Edit Dallas - Google Chrome

Not secure https://satellite.aus.sparksoftcorp.io/locations/5-Dallas/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Locations > Edit Dallas

Primary

All capsules

Select capsules

All items Filter +

Selected items -

satellite.aus.sparksoftcorp.io

Capsules

Subnets

Compute Resources

Media

Provisioning Templates

Partition Tables

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Organizations

Submit Cancel

The screenshot shows the Red Hat Satellite web interface. The left sidebar contains navigation links: Monitor, Content, Hosts, Configure, Infrastructure, and Administer. The 'Content' link is currently active, indicated by a blue background. The main content area shows the 'Edit Dallas' location configuration. In the 'Capsules' section, a modal dialog is open for selecting capsules. The 'Selected items' list contains 'satellite.aus.sparksoftcorp.io'. The interface uses a clean, modern design with a dark header and light-colored body sections.

Red Hat Satellite - Edit Dallas - Google Chrome

Red Hat Satellite - Create | Red Hat Satellite - Edit De | Red Hat Satellite - Domai | Red Hat Satellite - Edit Da | Index of /pub/epel/9/Ever | +

Not secure https://satellite.aus.sparksoftcorp.io/locations/5-Dallas/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Locations > Edit Dallas

Primary

Users

Capsules

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Realms

Host Groups

Organizations

All subnets

Select subnets

All items Filter +

Austin Subnet (172.31.100.0/24)

Baltimore Subnet (172.31.103.0/24)

Columbus Subnet (172.31.108.0/24)

Dallas Subnet (172.31.101.0/24) **(Selected)**

Houston Subnet (172.31.102.0/24)

Los Angeles Subnet (172.31.104.0/24)

New York City Subnet (172.31.106.0/24)

Selected items -

Submit Cancel

The screenshot shows the Red Hat Satellite web interface. On the left, a sidebar lists navigation options: Monitor, Content, Hosts, Configure, Infrastructure, and Administer. The 'Subnets' option under the 'Infrastructure' section is currently selected and highlighted with a blue background. The main content area shows the 'Edit Dallas' page, with a breadcrumb trail 'Locations > Edit Dallas'. Below the breadcrumb, there's a 'Primary' section with links for Users, Capsules, and Compute Resources. The 'Subnets' section is expanded, showing a list of subnets: Austin Subnet (172.31.100.0/24), Baltimore Subnet (172.31.103.0/24), Columbus Subnet (172.31.108.0/24), Dallas Subnet (172.31.101.0/24), Houston Subnet (172.31.102.0/24), Los Angeles Subnet (172.31.104.0/24), and New York City Subnet (172.31.106.0/24). The 'Dallas Subnet' is highlighted with a blue background. To the right of the subnet list is a 'Selected items' panel, which is currently empty. At the bottom of the subnet list, there are 'Submit' and 'Cancel' buttons.

Red Hat Satellite - Edit Dallas - Google Chrome

Red Hat Satellite - Create | Red Hat Satellite - Edit De | Red Hat Satellite - Domai | Red Hat Satellite - Edit Da | Index of /pub/epel/9/Ever | +

Not secure https://satellite.aus.sparksoftcorp.io/locations/5-Dallas/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Locations > Edit Dallas

Primary

Users

Capsules

Subnets

Compute Resources

Media

Provisioning Templates

Partition Tables

Domains

Realms

Host Groups

Organizations

All subnets

Select subnets

All items Filter +

Austin Subnet (172.31.100.0/24)

Baltimore Subnet (172.31.103.0/24)

Columbus Subnet (172.31.108.0/24)

Houston Subnet (172.31.102.0/24)

Los Angeles Subnet (172.31.104.0/24)

New York City Subnet (172.31.106.0/24)

Phoenix Subnet (172.31.107.0/24)

Selected items -

Dallas Subnet (172.31.101.0/24)

Submit Cancel

Red Hat Satellite - Edit Dallas - Google Chrome

Red Hat Satellite - Create | Red Hat Satellite - Edit Da | Red Hat Satellite - Domai | Red Hat Satellite - Edit Da | Index of /pub/epel/9/Ever | +

Not secure https://satellite.aus.sparksoftcorp.io/locations/5-Dallas/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Locations > Edit Dallas

Primary

Users

Capsules

Subnets

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Host Groups

Organizations

All domains

Select domains

All items Filter +

aus.sparksoftcorp.io
bwi.sparksoftcorp.io
cmh.sparksoftcorp.io
dca.sparksoftcorp.io
dfw.sparksoftcorp.io
iah.sparksoftcorp.io
jfk.sparksoftcorp.io

Selected items -

Submit Cancel

The screenshot shows the Red Hat Satellite web interface. On the left, a sidebar lists various management categories: Monitor, Content, Hosts, Configure, Infrastructure, and Administer. Under 'Administer', the 'Domains' option is selected and highlighted in blue. In the main content area, the user is editing a location named 'Dallas'. A modal dialog titled 'Select domains' is open, showing a list of available domains. The 'dfw.sparksoftcorp.io' domain is currently selected, indicated by a blue background. Other listed domains include aus.sparksoftcorp.io, bwi.sparksoftcorp.io, cmh.sparksoftcorp.io, dca.sparksoftcorp.io, iah.sparksoftcorp.io, and jfk.sparksoftcorp.io. At the bottom of the modal are 'Submit' and 'Cancel' buttons.

Red Hat Satellite - Edit Dallas - Google Chrome

Red Hat Satellite - Create | Red Hat Satellite - Edit Da | Red Hat Satellite - Domai | Red Hat Satellite - Edit Da | Index of /pub/epel/9/Ever | +

Not secure https://satellite.aus.sparksoftcorp.io/locations/5-Dallas/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Locations > Edit Dallas

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Host Groups

Organizations

All domains

Select domains

All items Filter +

aus.sparksoftcorp.io
bwi.sparksoftcorp.io
cmh.sparksoftcorp.io
dca.sparksoftcorp.io
iah.sparksoftcorp.io
jfk.sparksoftcorp.io
lax.sparksoftcorp.io

Selected items -

dfw.sparksoftcorp.io

Submit Cancel

The screenshot shows the Red Hat Satellite web interface. On the left, a sidebar lists navigation options: Monitor, Content, Hosts, Configure, Infrastructure, and Administer. Under Administer, the 'Domains' option is selected and highlighted in blue. The main content area shows the 'Edit Dallas' location configuration. A modal dialog titled 'Select domains' is open, displaying a list of available domains. The 'Selected items' list contains 'dfw.sparksoftcorp.io'. The 'All domains' checkbox is unchecked. The 'Submit' button at the bottom of the modal is highlighted in blue.

Red Hat Satellite - Edit Dallas - Google Chrome

Red Hat Satellite - Create | Red Hat Satellite - Edit Da | Red Hat Satellite - Domai | Red Hat Satellite - Edit Da | Index of /pub/epel/9/Ever | +

Not secure https://satellite.aus.sparksoftcorp.io/locations/5-Dallas/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Primary Users Capsules Subnets Compute Resources Media Provisioning Templates Partition Tables Domains Realms Host Groups Organizations Parameters

Select organizations

All items Filter +

Sparksoft Corporation

Selected items -

Submit Cancel

The screenshot shows the Red Hat Satellite management interface. On the left, a sidebar lists various management categories: Monitor, Content, Hosts, Configure, Infrastructure, and Administer. Under the Administer category, the 'Organizations' link is currently selected and highlighted in blue. In the main content area, there's a search bar and several primary navigation links: Primary, Users, Capsules, Subnets, Compute Resources, Media, Provisioning Templates, Partition Tables, Domains, Realms, Host Groups, Organizations, and Parameters. A modal dialog titled 'Select organizations' is centered over the page. It contains a list of organizations under 'All items' with a 'Filter' input field and a '+' button. 'Sparksoft Corporation' is listed and highlighted with a blue background. To the right of the list is a 'Selected items' panel with a '-' button. At the bottom of the modal are 'Submit' and 'Cancel' buttons.

Red Hat Satellite - Edit Dallas - Google Chrome

Not secure https://satellite.aus.sparksoftcorp.io/locations/5-Dallas/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Primary

Users Capsules Subnets Compute Resources Media Provisioning Templates Partition Tables Domains Realms Host Groups Organizations Parameters

Select organizations

All items Filter +

Selected items -

Sparksoft Corporation

Submit Cancel

This screenshot shows the Red Hat Satellite web interface. The main navigation bar includes tabs for 'Create', 'Edit', 'Domain', and 'Edit Dallas'. The current page is 'Edit Dallas'. The top right corner shows a user profile for 'Admin User'. On the left, a sidebar menu lists 'Monitor', 'Content', 'Hosts', 'Configure', 'Infrastructure', and 'Administer' sections. Under 'Administer', 'Organizations' is selected and highlighted in blue. The main content area displays a 'Select organizations' dialog. This dialog has two panels: 'Select organizations' on the left and 'Selected items' on the right. The 'Selected items' panel contains a single item, 'Sparksoft Corporation', which is also highlighted in blue. At the bottom of the dialog are 'Submit' and 'Cancel' buttons.

Red Hat Satellite - Locations - Google Chrome

Red Hat Satellite - Create | Red Hat Satellite - Edit De | Red Hat Satellite - Domai | Red Hat Satellite - Locatio | Index of /pub/epel/9/Ever | +

Not secure https://satellite.aus.sparksoftcorp.io/locations

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Dallas Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer Locations Organizations Authentication Sources Users User Groups Roles Bookmarks Remote Execution Features

Locations

Search Actions New Location Mismatches Report

Name Hosts Actions

Name	Hosts	Actions
Austin	1	Edit
Dallas	0	Edit

1 - 2 of 2 items 1 of 1

Successfully updated Dallas.

Red Hat Satellite - Locations - Google Chrome

Red Hat Satellite - Create | Red Hat Satellite - Edit De | Red Hat Satellite - Domai | Red Hat Satellite - Locatio | Index of /pub/epel/9/Ever | +

Not secure https://satellite.aus.sparksoftcorp.io/locations

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Columbus Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer Locations

New Location Mismatches Report

Locations

Name	Hosts	Actions
Austin	1	Edit
Baltimore	0	Edit
Columbus	0	Edit
Dallas	0	Edit
Houston	0	Edit
Los Angeles	0	Edit
Phoenix	0	Edit
Washington DC	0	Edit

1 - 8 of 8 items 1 of 1



Define Lifecycle Environments

Lifecycle environments ensure a safe progression of software through dev, QA, and production

Lifecycle Environments

- A method for ensuring a safe progression of software from development to QA to production.
- The application life cycle is a concept central to Red Hat Satellite 6's content management functions. The application life cycle defines how a particular system and its software look at a particular stage. For example, an application life cycle might be simple; you might only have a development stage and production stage. In this case the application life cycle might look like this:
 - Development
 - Production

Lifecycle Environments

- However, a more complex application life cycle might have further stages, such as a phase for testing or a beta release. This adds extra stages to the application life cycle:
 - Development
 - Testing
 - Beta Release
 - Production

Lifecycle Environments

- Go to Content/Lifecycle/Lifecycle Environments
- The Library is where content synced from the Red Hat content delivery network is stored on your server. It will change every time you run an automated sync. For most users, you don't want to attach systems to the Library. When we get into content views and filtering, later, it'll become clear why.

Red Hat Satellite - Create | Red Hat Satellite - Edit | Red Hat Satellite - Domain | Red Hat Satellite - Lifecycle Environments

Not secure https://satellite.aus.sparksoftcorp.io/lifecycle_environments?page=1&per_page=20&sortBy=name&sortOrder=ASC

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Monitor

Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status

Lifecycle

Lifecycle Environments (selected)

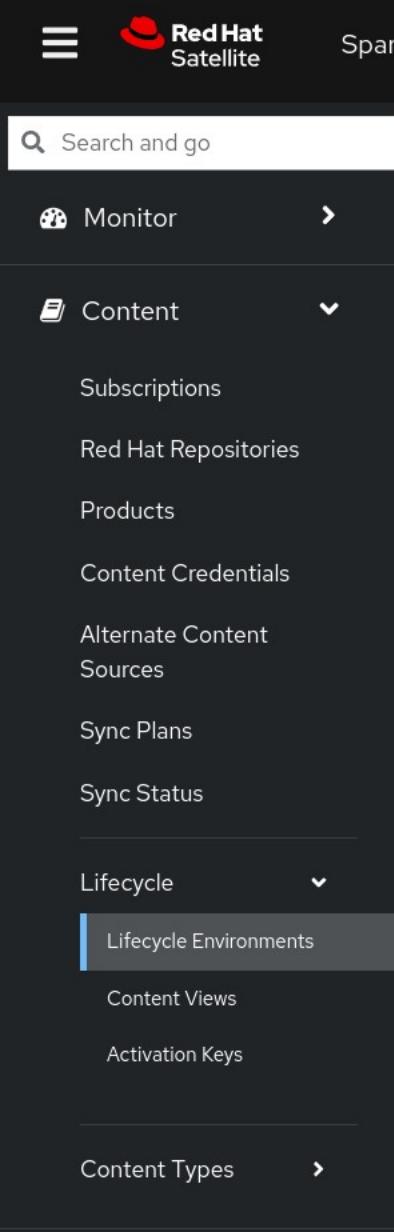
Content Views Activation Keys

Content Types

Lifecycle Environment Paths

Library	Content Views	Products	Yum Repositories	Packages	Errata	Module Streams
0	4	21	101382	14381	909	

Create Environment Path



Red Hat Satellite - Create | Red Hat Satellite - Edit De | Red Hat Satellite - Domai | Red Hat Satellite - Lifecyc | +

Not secure https://satellite.aus.sparksoftcorp.io/lifecycle_environments?page=1&per_page=20&sortBy=name&sortOrder=ASC

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle

Lifecycle Environments Content Views Activation Keys Content Types

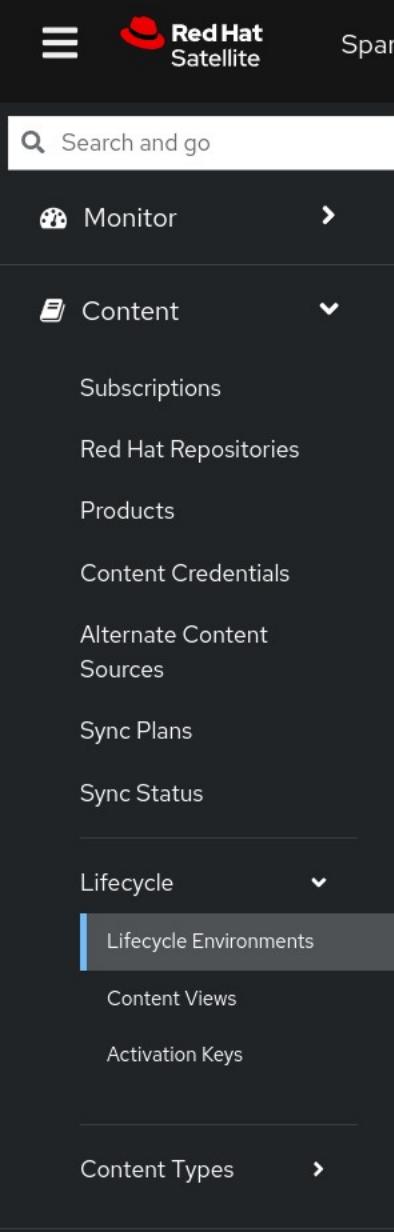
Lifecycle Environment Paths

Create Environment Path

Library	Content Views	Products	Yum Repositories	Packages	Errata	Module Streams
Library	0	4	21	101382	14381	909

Add New Environment

Development	
Content Views	0
Content Hosts	0



Red Hat Satellite - Create | Red Hat Satellite - Edit De | Red Hat Satellite - Domai | Red Hat Satellite - Lifecyc | +

Not secure https://satellite.aus.sparksoftcorp.io/lifecycle_environments?page=1&per_page=20&sortBy=name&sortOrder=ASC

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle

Lifecycle Environments Content Views Activation Keys Content Types

Lifecycle Environment Paths

Create Environment Path

Library	Content Views	Products	Yum Repositories	Packages	Errata	Module Streams
Library	0	4	21	101382	14381	909

Add New Environment

	Development	Quality Assurance
Content Views	0	0
Content Hosts	0	0

Red Hat Satellite - Create | Red Hat Satellite - Edit De | Red Hat Satellite - Domai | Red Hat Satellite - Lifecyc | +

Not secure https://satellite.aus.sparksoftcorp.io/lifecycle_environments?page=1&per_page=20&sortBy=name&sortOrder=ASC

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle

Lifecycle Environments Content Views Activation Keys Content Types

Lifecycle Environment Paths

Create Environment Path

Library	Content Views	Products	Yum Repositories	Packages	Errata	Module Streams
0	4	21	101382	14381	909	

Add New Environment

	Development	Quality Assurance	Production
Content Views	0	0	0
Content Hosts	0	0	0



Define Content Views

**Content Views are how you create
customized repositories**

Content Views

- Red Hat Satellite 6 uses content views to create customized repositories from the core repositories in your Definitive Media Library (DML). It achieves this through defining which repositories to use and then applying certain filters to the content. These filters include both package filters, package group filters, and errata filters. We use content views as a method to define which software versions a particular environment uses. As mentioned earlier, a Production environment might use a content view containing older package versions, while a Development environment might use a content view containing newer package versions.
- Each content view creates a set of repositories across each environment, which the Satellite Server stores and manages. When we promote a content view from one environment to the next environment in the application life cycle, the respective repository on the Satellite Server updates and publishes the packages.

Content Views

- Go to Content/Lifecycle/Content Views



Search and go

Monitor

Content

Subscriptions

Red Hat Repositories

Products

Content Credentials

Alternate Content
Sources

Sync Plans

Sync Status

Lifecycle

Lifecycle Environments

Content Views

Activation Keys

Content Types

Content views



No content views yet

You currently have no content views to display

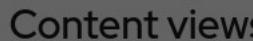
[Create content view](#)



Sparksoft Corporation

Any location

 Admin User ▾



Create content view

Name _____

RHEL 9 Content View

Label

RHEL 9 Content View

Description

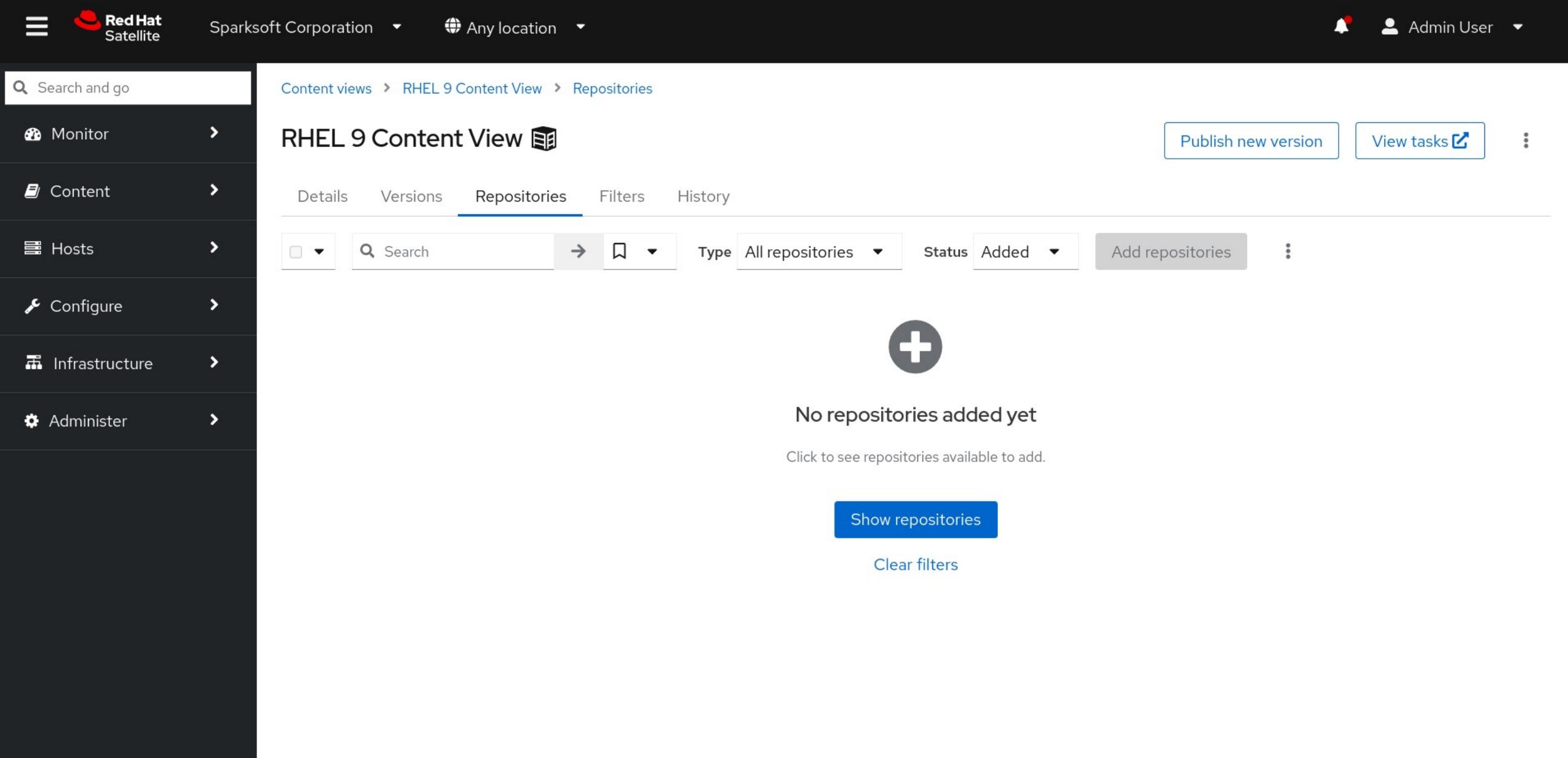
Type This will solve RPM and module stream dependencies on every publish of this content view. Dependency solving significantly increases publish time (publishes can take over three times as long) and filters will be ignored when adding packages to solve dependencies. Also, certain scenarios involving errata may still cause dependency errors.



posite content view
of multiple content views

Solve dependencies

[Cancel](#)





Sparksoft Corporation

Any location



Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Content views > RHEL 9 Content View > Repositories

RHEL 9 Content View

[Publish new version](#)[View tasks](#)[Details](#) [Versions](#) [Repositories](#) [Filters](#) [History](#)

All repositories All

Type	Name	Product	Sync state	Content	Status	⋮
<input type="checkbox"/>	EPEL 9 Repository	EPEL 9	about 2 hours ago	21205 RPM packages 4598 errata 21 package groups	Not added	<input type="button" value="..."/>
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9	Red Hat CodeReady Linux Builder for x86_64	about 3 hours ago	4289 RPM packages 1516 errata 1 package group 1 module stream	Not added	<input type="button" value="..."/>
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9.3	Red Hat CodeReady Linux Builder for x86_64	about 3 hours ago	3888 RPM packages 1377 errata 1 package group 1 module stream	Not added	<input type="button" value="..."/>
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9.4	Red Hat CodeReady Linux Builder for x86_64	about 3 hours ago	4289 RPM packages 1516 errata 1 package group 1 module stream	Not added	<input type="button" value="..."/>
<input type="checkbox"/>	RHEL 9 x86_64 RPMs 9.4	RHEL 9 x86_64	about 3 hours ago	6244 RPM packages 1516 errata 1 package group 1 module stream	Not added	<input type="button" value="..."/>



Sparksoft Corporation

Any location



Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Content views > RHEL 9 Content View > Repositories

RHEL 9 Content View

[Publish new version](#)[View tasks](#)[Details](#) [Versions](#) [Repositories](#) [Filters](#) [History](#)

6 selected

Search



Type

All repositories

Status

All

[Add repositories](#)

1 - 20 of 21



Type	Name	Product	Sync state	Content	Status	⋮
<input type="checkbox"/>	EPEL 9 Repository	EPEL 9	✓ about 2 hours ago	21205 RPM packages 4598 errata 21 package groups	Not added	⋮
<input checked="" type="checkbox"/>	Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9	Red Hat CodeReady Linux Builder for x86_64	✓ about 3 hours ago	4289 RPM packages 1516 errata 1 package group 1 module stream	Not added	⋮
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9.3	Red Hat CodeReady Linux Builder for x86_64	✓ about 3 hours ago	3888 RPM packages 1377 errata 1 package group 1 module stream	Not added	⋮
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9.4	Red Hat CodeReady Linux Builder for x86_64	✓ about 3 hours ago	4289 RPM packages 1516 errata 1 package group 1 module stream	Not added	⋮

Not secure https://satellite.aus.sparksoftcorp.io/content_views/2#/repositories

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Repository	Content Type	Last Synced	Package Details	Status	Actions
Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.3	Red Hat Enterprise Linux for x86_64	about 3 hours ago	5657 RPM packages 63 package groups 8 module streams	Not added	⋮
Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.4	Red Hat Enterprise Linux for x86_64	about 3 hours ago	5850 RPM packages 63 package groups 13 module streams	Not added	⋮
Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9	Red Hat Enterprise Linux for x86_64	about 3 hours ago	17507 RPM packages 3831 errata 63 package groups 36 module streams	Not added	⋮
Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9.3	Red Hat Enterprise Linux for x86_64	about 3 hours ago	15562 RPM packages 3471 errata 63 package groups 30 module streams	Not added	⋮
Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9.4	Red Hat Enterprise Linux for x86_64	about 3 hours ago	17507 RPM packages 3831 errata 63 package groups 36 module streams	Not added	⋮
Red Hat Enterprise Linux 9 for x86_64 - BaseOS Kickstart 9.3	Red Hat Enterprise Linux for x86_64	about 3 hours ago	1156 RPM packages 34 package groups	Not added	⋮
Red Hat Enterprise Linux 9 for x86_64 - BaseOS Kickstart 9.4	Red Hat Enterprise Linux for x86_64	about 3 hours ago	1165 RPM packages 34 package groups	Not added	⋮
Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9	Red Hat Enterprise Linux for x86_64	about 3 hours ago	6165 RPM packages 1161 errata 34 package groups	Not added	⋮



Sparksoft Corporation

Austin ▾

Admin User

 Search and go

Monitor

Content

Hosts

600-61

— 1 —

<input type="checkbox"/>	 Red Hat Enterprise Linux 9 for x86_64 - BaseOS Kickstart 9.3	Red Hat Enterprise Linux for x86_64	 about 4 hours ago	1156 RPM packages 34 package groups	Not added	
<input checked="" type="checkbox"/>	 Red Hat Enterprise Linux 9 for x86_64 - BaseOS Kickstart 9.4	Red Hat Enterprise Linux for x86_64	 about 4 hours ago	1165 RPM packages 34 package groups	Not added	
<input checked="" type="checkbox"/>	 Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9	Red Hat Enterprise Linux for x86_64	 about 4 hours ago	6165 RPM packages 1161 errata 34 package groups	Not added	
<input type="checkbox"/>	 Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9.3	Red Hat Enterprise Linux for x86_64	 about 4 hours ago	5461 RPM packages 1036 errata 34 package groups	Not added	
<input type="checkbox"/>	 Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9.4	Red Hat Enterprise Linux for x86_64	 about 4 hours ago	6165 RPM packages 1161 errata 34 package groups	Not added	
<input type="checkbox"/>	 Red Hat Satellite Client 6 for RHEL 8 x86_64 RPMs	Red Hat Enterprise Linux for x86_64	 about 4 hours ago	32 RPM packages 8 errata 1 package group	Not added	
<input checked="" type="checkbox"/>	 Red Hat Satellite Client 6 for RHEL 9 x86_64 RPMs	Red Hat Enterprise Linux for x86_64	 about 4 hours ago	32 RPM packages 8 errata 1 package group	Not added	
<input type="checkbox"/>	 Sparksoft Repo	Sparksoft	 about 1 hour ago	1 RPM package	Not added	

Red Hat Satellite - Create | Red Hat Satellite - Edit De | Red Hat Satellite | Red Hat Satellite - Conten | Red Hat Satellite - Content View Details - Google Chrome

Not secure https://satellite.aus.sparksoftcorp.io/content_views/2#/repositories

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Content views > RHEL 9 Content View > Repositories

RHEL 9 Content View

Publish new version View tasks

Details Versions **Repositories** Filters History

7 selected Search Type All repositories Status All Add repositories 1 - 21 of 21

Type	Name	Product	Sync state	Content	Status
<input type="checkbox"/>	EPEL 9 Repository	EPEL 9	✓ about 3 hours ago	21205 RPM packages 4598 errata 21 package groups	Not added
<input checked="" type="checkbox"/>	Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9	Red Hat CodeReady Linux Builder for x86_64	✓ about 3 hours ago	4289 RPM packages 1516 errata 1 package group 1 module stream	Not added
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9.3	Red Hat CodeReady Linux Builder for x86_64	✓ about 3 hours ago	3888 RPM packages 1377 errata 1 package group 1 module stream	Not added
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9.4	Red Hat CodeReady Linux Builder for x86_64	✓ about 3 hours ago	4289 RPM packages 1516 errata 1 package group 1 module stream	Not added

Red Hat Satellite - Create | Red Hat Satellite - Edit De | Red Hat Satellite | Red Hat Satellite - Conten | Red Hat Satellite - Content View Details - Google Chrome

Not secure https://satellite.aus.sparksoftcorp.io/content_views/2#/repositories

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Content views > RHEL 9 Content View > Repositories

RHEL 9 Content View

Publish new version View tasks

Details Versions **Repositories** Filters History

Search Type All repositories Status Added Add repositories

1 - 7 of 7

Type	Name	Product	Sync state	Content	Status
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9	Red Hat CodeReady Linux Builder for x86_64	✓ about 3 hours ago	4289 RPM packages 1516 errata 1 package group 1 module stream	<input checked="" type="checkbox"/> Added
<input type="checkbox"/>	Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.4	Red Hat Enterprise Linux for x86_64	✓ about 3 hours ago	5850 RPM packages 63 package groups 13 module streams	<input checked="" type="checkbox"/> Added
<input type="checkbox"/>	Red Hat Enterprise Linux 9 for x86_64 - AppStream RPMs 9	Red Hat Enterprise Linux for x86_64	✓ about 3 hours ago	17507 RPM packages 3831 errata 63 package groups 36 module streams	<input checked="" type="checkbox"/> Added
<input type="checkbox"/>	Red Hat Enterprise Linux 9 for x86_64 - BaseOS Kickstart 9.4	Red Hat Enterprise Linux for x86_64	✓ about 3 hours ago	1165 RPM packages 34 package groups	<input checked="" type="checkbox"/> Added

Red Hat Satellite - Create | Red Hat Satellite - Edit | Red Hat Satellite | Red Hat Satellite - Content View Details - Google Chrome

Not secure https://satellite.aus.sparksoftcorp.io/content_views/2#/repositories

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

RHEL 9 Content View

Publish new version | View tasks

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Details Versions Repositories Filters History

Search Type All repositories Status Not added Add repositories

1 - 14 of 14

Type	Name	Product	Status	Content	Status
<input type="checkbox"/>	EPEL 9 Repository	EPEL 9	Not added	21205 RPM packages 4598 errata 21 package groups	Not added
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9.3	Red Hat CodeReady Linux Builder for x86_64	about 3 hours ago	3888 RPM packages 1377 errata 1 package group 1 module stream	Not added
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9.4	Red Hat CodeReady Linux Builder for x86_64	about 3 hours ago	4289 RPM packages 1516 errata 1 package group 1 module stream	Not added
<input type="checkbox"/>	Red Hat Enterprise Linux 8 for x86_64 - AppStream Kickstart 8.9	Red Hat Enterprise Linux for x86_64	about 3 hours ago	6944 RPM packages 59 package groups 214 module streams	Not added
<input type="checkbox"/>	Red Hat Enterprise Linux 8 for x86_64 - AppStream RPMs 8	Red Hat Enterprise Linux for x86_64	about 3 hours ago	36241 RPM packages 3552 errata 59 package groups	Not added

Filters

- You can apply filters if there are any packages you do or do not want to include in your content views.
- Be careful! If you choose an include, it will exclude **everything** else!



Sparksoft Corporation

Austin



Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Content views > RHEL 9 Content View > Filters

RHEL 9 Content View

Details Versions Repositories Filters History

Publish new version

View tasks

:



No filters yet

To include or exclude specific content from the content view, create a filter. Without filters, the content view includes everything from the added repositories.

Create filter

Not secure https://satellite.aus.sparksoftcorp.io/content_views/3#/filters

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Content views > RHEL 9 Content View > Filters

RHEL 9 Content View

Create filter

Name *

Content type *

RPM

- RPM
- Package group
- Errata - by date range
- Errata
- Container image tag
- Module stream

Public new version View tasks

...



Sparksoft Corporation

Austin



Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Content views > RHEL 9 Content View > Filters

RHEL 9 Content View

Publish new version

View tasks



Create filter

Name *

RHEL 9.3 Filter

Content type *

Errata - by date range

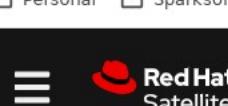
 Include filter Exclude filter

Description

Block errata through the date before RHEL 9.4 dropped.

Create filter

Cancel



Sparksoft Corporation

Austin

Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Content views > RHEL 9 Content View > Filters > RHEL 9.3 Filter

RHEL 9 Content View

Details Versions Repositories Filters History

RHEL 9.3 Filter

Block errata through the date before RHEL 9.4 dropped.

Exclude Errata - by date range

Excluded errata

Errata type

Updated from

Start date



to End date



Type Security

Enhancement

Bugfix

Updated from

ANY

to

ANY

Reset filters

Save

Cancel

Filter created

Filter rule added

Apply to all repositories in the CV

- [Red Hat Enterprise Linux 6](#)
- [Red Hat Enterprise Linux 5](#)
- [Red Hat Enterprise Linux 4](#)
- [Red Hat Enterprise Linux 3](#)
- [Red Hat Enterprise Linux 2.1](#)

Red Hat Enterprise Linux 9

Release	General Availability Date	redhat-release Errata Date*	Kernel Version
RHEL 9.4	2024-04-30	2024-04-30 RHBA-2024:2393	5.14.0-427.13.1.el9_4
RHEL 9.3	2023-11-07	2023-11-07 RHBA-2023:6580	5.14.0-362.8.1.el9_3
RHEL 9.2	2023-05-10	2023-05-09 RHBA-2023:2455	5.14.0-284.11.1.el9_2
RHEL 9.1	2022-11-15	2022-11-15 RHBA-2022:8264	5.14.0-162.6.1.el9_1
RHEL 9.0	2022-05-17	2022-05-17 RHBA-2022:3893	5.14.0-70.13.1.el9_0

Red Hat Enterprise Linux 8

Release	General Availability Date	redhat-release Errata Date*	Kernel Version
RHEL 8.9	2023-11-14	2023-11-14 RHBA-2023:7073	4.18.0-513.5.1.el8_9
RHEL 8.8	2023-05-16	2023-05-16 RHBA-2023:2946	4.18.0-477.10.1.el8_8



Filters

- I recommend you do NOT exclude security errata. If there's a zero-day, you want to be able to respond. But it's up to you.



Sparksoft Corporation

Austin



Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Content views > RHEL 9 Content View > Filters > RHEL 9.3 Filter

RHEL 9 Content View

[Publish new version](#)[View tasks](#)[Details](#)[Versions](#)[Repositories](#)[Filters](#)[History](#)

RHEL 9.3 Filter

[Apply to all repositories in the CV](#)

Block errata through the date before RHEL 9.4 dropped.

[Exclude](#)[Errata - by date range](#)

Excluded errata

[Errata type](#)[Updated from](#)

to

4/29/2024

 Security

Bugfix

Updated from 1/1/2022 to 4/29/2024

[Reset filters](#) Enhancement Bugfix



Sparksoft Corporation

Austin



Admin User

 Search and go

Content views > RHEL 9 Content View > Filters

RHEL 9 Content View

[Publish new version](#)[View tasks](#)[Details](#) [Versions](#) [Repositories](#) [Filters](#) [History](#)

Search

[Create filter](#)

1-1 of 1



<input type="checkbox"/>	Name	Description	Updated	Content type	Inclusion type
<input type="checkbox"/>	RHEL 9.3 Filter	Block errata through the date before RHEL 9.4 d...	May 07, 2024 at 10:00 AM	Errata - by date range	Exclude

1-1 of 1 items



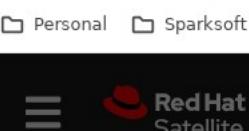
1

of 1



Content Views

- Now publish your Content View



Sparksoft Corporation

Austin

Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Content

RH

De

S

N

P

F

A

C

L

I

Publish

Determining settings for RHEL 9 Content View

1 Publish

2 Review details

Publish

A new version of **RHEL 9 Content View** will be created and automatically promoted to the Library environment. You can promote to other environments as well.

Publish new version - 2.0

Description

Promote



Next

Back

Cancel

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Content

RH

De

Publish

Determining settings for RHEL 9 Content View

1 Publish

2 Review details

Publish

A new version of **RHEL 9 Content View** will be created and automatically promoted to the Library environment. You can promote to other environments as well.

Publish new version - 2.0

Description

Promote



Select a lifecycle environment from the available promotion paths to promote new version.

Library > Development > Quality Assurance > Production

Next

Back

Cancel



Sparksoft Corporation

Austin



Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Content

RH

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V

Publish

Determining settings for RHEL 9 Content View

1 Publish

2 Review details

Review details

Review your currently selected changes for **RHEL 9 Content View**.**⚠ Filters will be applied to this content view version.**

Content view name	Version	Environments	Filters
RHEL 9 Content View Newly published	Version 2.0	Library Development Quality Assurance Production	View Filters

Finish

Back

Cancel

 Search and go Monitor > Content > Hosts > Configure > Infrastructure > Administer >

Content

RH

De

 N P

In progress

Publish

Publishing RHEL 9 Content View



Publishing content view

Close

View task details 

0%

Red Hat Satellite - Content +
Not secure https://satellite.aus.sparksoftcorp.io/content_views/3#/versions/8/repositories

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Content views > RHEL 9 Content View > Versions > 2.0 > Repositories

RHEL 9 Content View

Publish new version View tasks

Details Versions Repositories Filters History

Version 2.0

No description

Library Development Quality Assurance Production

Repositories 6 RPM Packages 12996 RPM Package Groups 181 Errata 1028 Module Streams 23

Search 1 - 6 of 6

Name	Type	Product	Content
Red Hat CodeReady Linux Builder for RHEL 9 x86_64 RPMs 9	Yum	Red Hat CodeReady Linux Builder for x86_64	1421 RPM packages 344 Errata 1 Package groups
Red Hat Enterprise Linux 9 for x86_64 - AppStream Kickstart 9.4	Yum	Red Hat Enterprise Linux for x86_64	5850 RPM packages 13 Module streams 62 Package groups
Red Hat Enterprise Linux 9 for x86_64 -	Yum	Red Hat Enterprise Linux for x86_64	5795 RPM packages

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Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Content views

- 4 Content views 1 Composite content views

Search



Create content view

1 - 5 of 5



Type	Name	Last published	Last task	Latest version	
	Ansible RHEL 9	May 06, 2024 at 08:12 PM	about 14 hours ago	Version 1.0	
	EPEL 9	May 06, 2024 at 08:11 PM	about 14 hours ago	Version 1.0	
	RHEL 9 Content View	May 07, 2024 at 10:08 AM	5 minutes ago	Version 2.0	
	RHEL9 Sparksoft EPEL9 CCV	May 07, 2024 at 02:36 AM	about 8 hours ago	Version 1.0	

Content Views

- Now publish CVs for the other repos
 - Sparksoft
 - EPEL

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Content | +

Not secure https://satellite.aus.sparksoftcorp.io/content_views

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Lifecycle Environments Content Views Activation Keys Content Types

Content views

1 Content views ②
0 Composite content views ②

Search Type Name ↑

RHEL 9 Content View

Create content view

Name * Sparksoft Content View

Label * Sparksoft_Content_View

Description

Type

Content view
Single content view consisting of e.g. repositories

Composite content view
Consisting of multiple content views

Solve dependencies ②

Create content view Cancel

1-1 of 1

Latest version

Version 1.0

Library Development Quality Assurance

Production

items 1 of 1

Red Hat Satellite - Content View Details - Google Chrome

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Content | +

Not secure https://satellite.aus.sparksoftcorp.io/content_views/5#/repositories

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

<input type="checkbox"/>	 Red Hat Enterprise Linux 9 for x86_64 - BaseOS Kickstart 9.3	Red Hat Enterprise Linux for x86_64	 about 5 hours ago	1156 RPM packages 34 package groups	Not added	
<input type="checkbox"/>	 Red Hat Enterprise Linux 9 for x86_64 - BaseOS Kickstart 9.4	Red Hat Enterprise Linux for x86_64	 about 5 hours ago	1165 RPM packages 34 package groups	Not added	
<input type="checkbox"/>	 Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9	Red Hat Enterprise Linux for x86_64	 about 5 hours ago	6165 RPM packages 1161 errata 34 package groups	Not added	
<input type="checkbox"/>	 Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9.3	Red Hat Enterprise Linux for x86_64	 about 5 hours ago	5461 RPM packages 1036 errata 34 package groups	Not added	
<input type="checkbox"/>	 Red Hat Enterprise Linux 9 for x86_64 - BaseOS RPMs 9.4	Red Hat Enterprise Linux for x86_64	 about 5 hours ago	6165 RPM packages 1161 errata 34 package groups	Not added	
<input type="checkbox"/>	 Red Hat Satellite Client 6 for RHEL 8 x86_64 RPMs	Red Hat Enterprise Linux for x86_64	 about 5 hours ago	32 RPM packages 8 errata 1 package group	Not added	
<input type="checkbox"/>	 Red Hat Satellite Client 6 for RHEL 9 x86_64 RPMs	Red Hat Enterprise Linux for x86_64	 about 5 hours ago	32 RPM packages 8 errata 1 package group	Not added	
<input checked="" type="checkbox"/>	 Sparksoft Repo	Sparksoft	 about 2 hours ago	1 RPM package	Not added	

1 - 21 of 21 items ▾ 1 of 1 Add Remove

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Content views > Sparksoft Content View > Repositories

Sparksoft Content View

Publish new version

View tasks

Details Versions **Repositories** Filters History

1 selected Search Type All repositories Status Added Add repositories

1-1 of 1

Type	Name	Product	Sync state	Content	Status
<input checked="" type="checkbox"/>	Sparksoft Repo	Sparksoft	about 2 hours ago	1 RPM package	Added

1-1 of 1 items 1 of 1



Sparksoft Corporation

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Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Content

Sparksoft

Detail

1

2

Publish

Determining settings for Sparksoft Content View

1 Publish

2 Review details

Publish

A new version of **Sparksoft Content View** will be created and automatically promoted to the Library environment. You can promote to other environments as well.

Publish new version - 1.0

Description

Promote



Select a lifecycle environment from the available promotion paths to promote new version.

Library > Development > Quality Assurance > Production

[Next](#)[Back](#)[Cancel](#)

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Content +

Not secure https://satellite.aus.sparksoftcorp.io/content_views

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Content views

2 Content views ②
0 Composite content views ②

Search Type Name ↑

RHEL 9 Content View

Sparksoft Content View

Create content view

Name * EPEL 9

Label * EPEL_9

Description

Type

 Content view
Single content view consisting of e.g. repositories

 Composite content view
Consisting of multiple content views

Solve dependencies ②

Create content view Cancel

1 - 2 of 2

Latest version

Version 1.0

Library Development

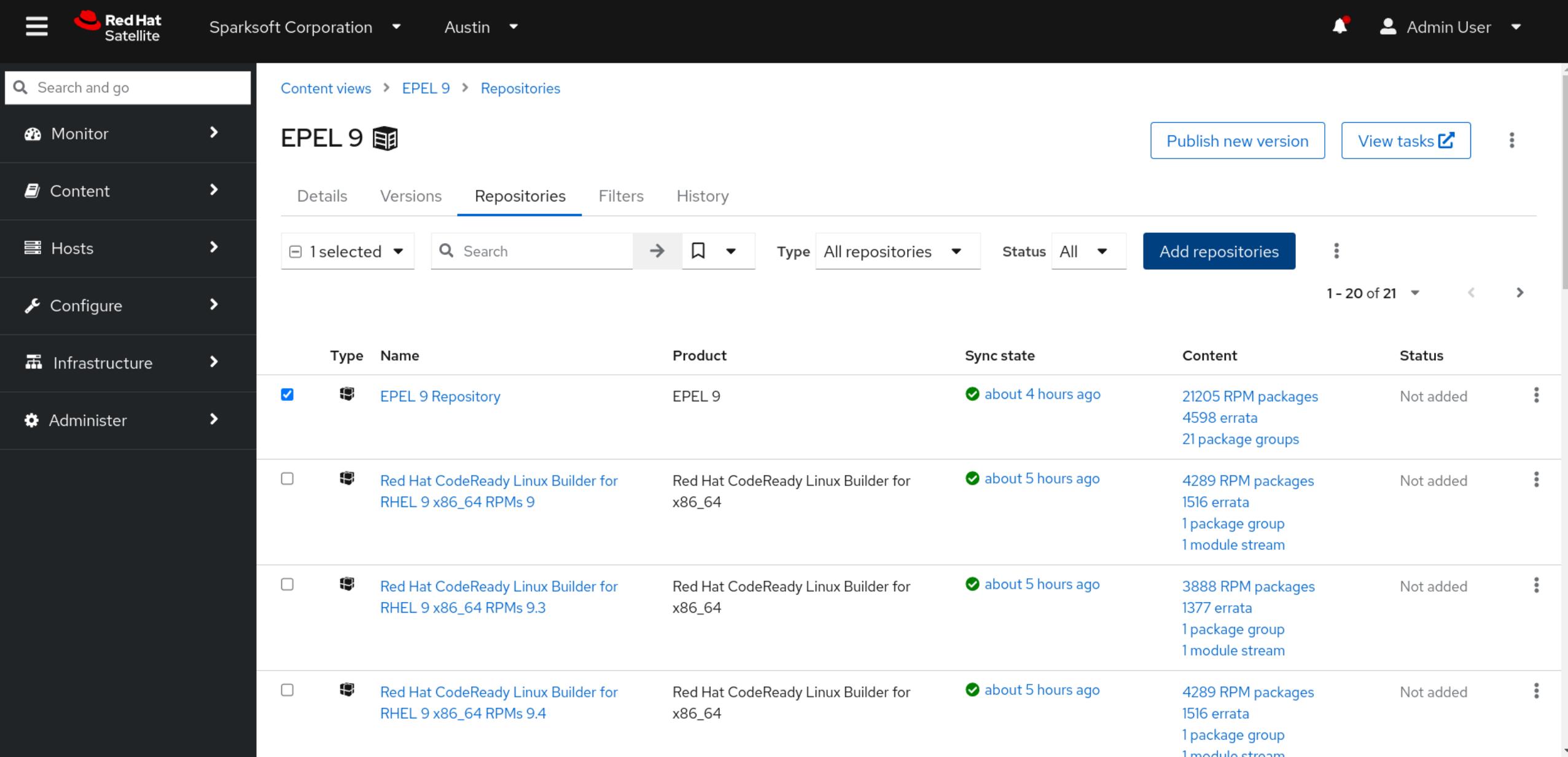
Quality Assurance Production

Version 1.0

Library Development

Quality Assurance Production

items < < < 1 of 1 > >>



Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Publish

Determining settings for EPEL 9

1 Publish
2 Review details

Publish

A new version of EPEL 9 will be created and automatically promoted to the Library environment. You can promote to other environments as well.

Publish new version - 1.0

Description

Promote

Select a lifecycle environment from the available promotion paths to promote new version.

Library > Development > Quality Assurance > Production

Next Back Cancel

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Content | +

Not secure https://satellite.aus.sparksoftcorp.io/content_views

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Content views

3 Content views ②
0 Composite content views ②

Search → Create content view

1 - 3 of 3

Type	Name	Last published	Last task	Latest version
book	EPEL 9	May 02, 2024 at 12:20 AM	✓ 4 minutes ago	Version 1.0 Library Development Quality Assurance Production
book	RHEL 9 Content View	May 01, 2024 at 11:40 PM	✓ 44 minutes ago	Version 1.0 Library Development Quality Assurance Production
book	Sparksoft Content View	May 02, 2024 at 12:17 AM	✓ 7 minutes ago	Version 1.0 Library Development Quality Assurance Production

1 - 3 of 3 items 1 of 1

Content Views

- Now let's do a composite content view (CCV)
- This is a way to merge different repositories for a specific task
 - So let's say we want to have the RHEL 9 CV and also add in the EPEL and the Sparksoft private repo
 - I'd create a CCV with all three of the repos.

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Content | +

Not secure https://satellite.aus.sparksoftcorp.io/content_views

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Content views

3 Content views ②
0 Composite content views ②

Search Type Name ↑

EPEL 9 RHEL 9 Content View Sparksoft Content View

Create content view

Name * RHEL9 Sparksoft EPEL9 CCV

Label * RHEL9_Sparksoft_EPEL9_CCV

Description

Type

Auto publish ②

Automatically publish a new version of the composite content view whenever one of its content views is published. Autopublish will only happen for component views that use the 'Always use latest version' option.

Composite content view Consisting of multiple content views

Latest version

Version 1.0 Library Development Quality Assurance Production

Version 1.0 Library Development Quality Assurance Production

Version 1.0 Library Development Quality Assurance Production

Items < < < 1 of 1 > >

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Content | +

Not secure https://satellite.aus.sparksoftcorp.io/content_views

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Content views

3 Content views ②
0 Composite content views ②

Search Type Name ↑

EPEL 9 RHEL 9 Content View Sparksoft Content View

Create content view

Name * RHEL9 Sparksoft EPEL9 CCV

Label * RHEL9_Sparksoft_EPEL9_CCV

Description

Type

Content view Single content view consisting of e.g. repositories

Composite content view Consisting of multiple content views

Auto publish ②

Create content view Cancel

1 - 3 of 3

Latest version

Version 1.0 Library Development Quality Assurance Production

Version 1.0 Library Development Quality Assurance Production

Version 1.0 Library Development Quality Assurance Production

Items 1 of 1



Sparksoft Corporation

Austin

Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Content views > RHEL9 Sparksoft EPEL9 CCV > Contentviews

RHEL9 Sparksoft EPEL9 CCV

[Publish new version](#)[View tasks](#)

⋮

[Details](#) [Versions](#) [Content views](#) [History](#)

Search Status All Add content views 1 - 3 of 3

Type	Name	Version	Environments	Repositories	Status	Description	⋮
<input type="checkbox"/>	EPEL 9	Version 1.0	Library Development Quality Assurance Production	1	Not added	No description	<input type="button" value="⋮"/>
<input type="checkbox"/>	RHEL 9 Content View	Version 1.0	Library Development Quality Assurance Production	6	Not added	No description	<input type="button" value="⋮"/>
<input type="checkbox"/>	Sparksoft Content View	Version 1.0	Library Development Quality Assurance Production	1	Not added	No description	<input type="button" value="⋮"/>

1 - 3 of 3 items

<< < 1 of 1 > >>



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Search and go

Monitor

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Configure

Infrastructure

Administer

Content views > RHEL9 Sparksoft EPEL9 CCV > Contentviews

RHEL9 Sparksoft EPEL9 CCV

[Publish new version](#)[View tasks](#)

⋮

[Details](#) [Versions](#) [Content views](#) [History](#)

Search Status All 1 - 3 of 3

Type	Name	Version	Environments	Repositories	Status	Description	⋮
<input checked="" type="checkbox"/>	EPEL 9	Version 1.0	<input type="button" value="Library"/> <input type="button" value="Development"/> <input type="button" value="Quality Assurance"/> <input type="button" value="Production"/>	1	Not added	No description	<input type="button" value="..."/>
<input checked="" type="checkbox"/>	RHEL 9 Content View	Version 1.0	<input type="button" value="Library"/> <input type="button" value="Development"/> <input type="button" value="Quality Assurance"/> <input type="button" value="Production"/>	6	Not added	No description	<input type="button" value="..."/>
<input checked="" type="checkbox"/>	Sparksoft Content View	Version 1.0	<input type="button" value="Library"/> <input type="button" value="Development"/> <input type="button" value="Quality Assurance"/> <input type="button" value="Production"/>	1	Not added	No description	<input type="button" value="..."/>

1 - 3 of 3 items 1 of 1



Sparksoft Corporation

Austin

Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Content

RHEL 9

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Y

Add content views

Select available version of content views to use

EPEL 9

Version *

Version 1.0 (6 minutes ago)

Always update to latest version ?

RHEL 9 Content View

Version *

Version 1.0 (about 1 hour ago)

Always update to latest version ?

Sparksoft Content View

Version *

Version 1.0 (9 minutes ago)



Sparksoft Corporation

Austin

Admin User

Search and go

Monitor

Content

Hosts

Configure

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Administer

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Search



Add

Cancel

Add content views

Select available version of content views to use

Always update to latest version ?

RHEL 9 Content View

Version *

Version 1.0 (about 1 hour ago)

Always update to latest version ?

Sparksoft Content View

Version *

Version 1.0 (9 minutes ago)

Always update to latest version ?



Sparksoft Corporation

Austin

Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Content views > RHEL9 Sparksoft EPEL9 CCV > Contentviews

Added component to content view

RHEL9 Sparksoft EPEL9 CCV

Details Versions Content views History

Search Status All Add content views ... 1 - 3 of 3

Type	Name	Version	Environments	Repository	Status	Description
	EPEL 9	Version 1.0 Latest (automatically updates)	Library Development Quality Assurance Production	1	Added	No description
	RHEL 9 Content View	Version 1.0 Latest (automatically updates)	Library Development Quality Assurance Production	6	Added	No description
	Sparksoft Content View	Version 1.0 Latest (automatically updates)	Library Development Quality Assurance Production	1	Added	No description

1 - 3 of 3 items

<< < 1 of 1 > >>



Sparksoft Corporation

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Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Content

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E

Publish

Determining settings for RHEL9 Sparksoft EPEL9 CCV

1 Publish

2 Review details

Publish

Duplicate repositories in content view versions

Repositories common to the selected content view versions will merge, resulting in a composite content view that is a union of all content from each of the content view versions.

A new version of **RHEL9 Sparksoft EPEL9 CCV** will be created and automatically promoted to the Library environment. You can promote to other environments as well.

Publish new version - 1.0

Description

Promote

Personal Sparksoft

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Publish

Determining settings for RHEL9 Sparksoft EPEL9 CCV

View detailed definition of all content from each of the content view providers.

1 Publish

2 Review details

A new version of RHEL9 Sparksoft EPEL9 CCV will be created and automatically promoted to the Library environment. You can promote to other environments as well.

Publish new version - 1.0

Description

Promote

Select a lifecycle environment from the available promotion paths to promote new version.

Library > Development > Quality Assurance > Production

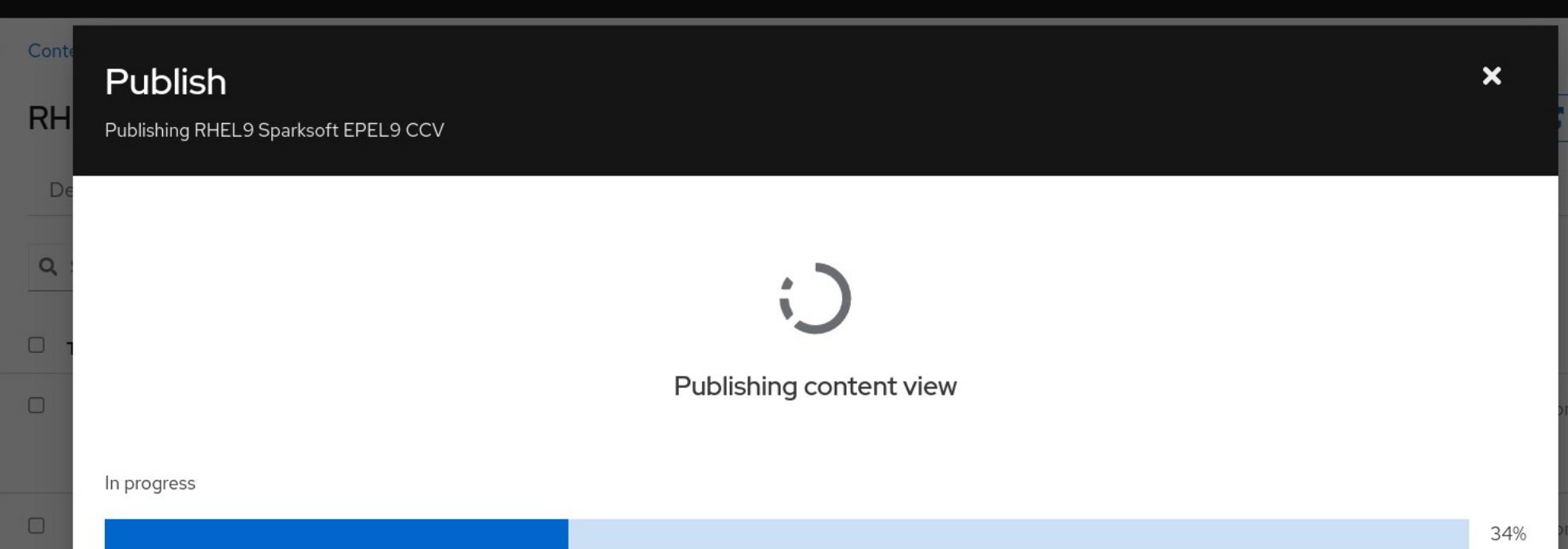
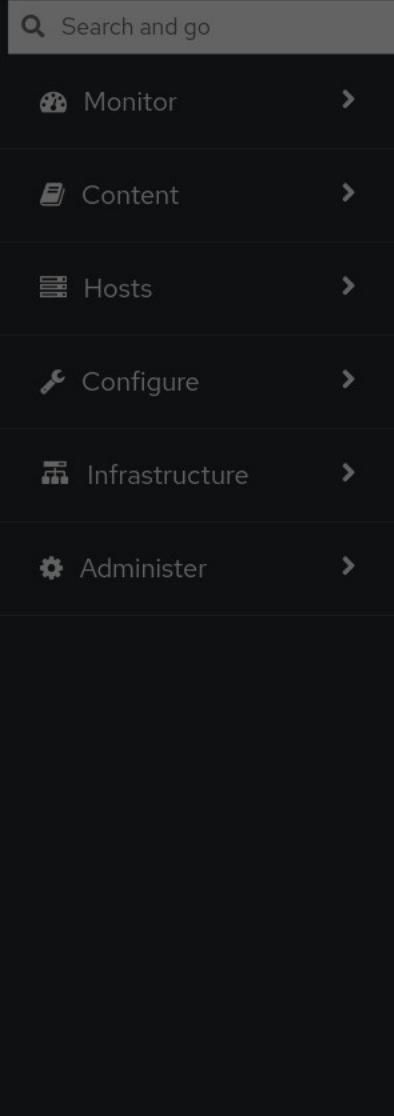
Next Back Cancel



Sparksoft Corporation

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Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Content | +

Not secure https://satellite.aus.sparksoftcorp.io/content_views/7#/versions/6/components

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

RHEL9 Sparksoft EPEL9 CCV

Content views > RHEL9 Sparksoft EPEL9 CCV > Versions > 1.0 > Components

Monitor Content Hosts Configure Infrastructure Administer

RHEL9 Sparksoft EPEL9 CCV

Details Versions Content views History

Version 1.0

No description

Library Development Quality Assurance Production

Components 3

Repositories 8

RPM Packages 49173

RPM Package Groups 217

Errata 9418

Task Publish completed with a result of success.

Go to task page

Publish new version View tasks

Promote

Content View Name Version Updated

Content View Name	Version	Updated
EPEL 9	1.0	May 02, 2024 at 12:22 AM
Sparksoft Content View	1.0	May 02, 2024 at 12:17 AM
RHEL 9 Content View	1.0	May 01, 2024 at 11:43 PM

1 - 3 of 3 items 1 of 1

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Content | +

Not secure https://satellite.aus.sparksoftcorp.io/content_views

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Content views

3 Content views ②
1 Composite content views ②

Search Create content view 1 - 4 of 4

Type	Name	Last published	Last task	Latest version
book	EPEL 9	May 02, 2024 at 12:20 AM	14 minutes ago	Version 1.0 Library Development Quality Assurance Production
book	RHEL 9 Content View	May 01, 2024 at 11:40 PM	about 1 hour ago	Version 1.0 Library Development Quality Assurance Production
books	RHEL9 Sparksoft EPEL9 CCV	May 02, 2024 at 12:31 AM	3 minutes ago	Version 1.0 Library Development Quality Assurance Production
book	Sparksoft Content View	May 02, 2024 at 12:17 AM	17 minutes ago	Version 1.0 Library Development Quality Assurance Production



Provisioning Templates

For kickstarts

Provisioning Templates

- Stackable, mix and match templates which are used to create a kickstart script when provisioning new hosts. We're going to make the templates commonly used in various methods of kickstarting (iPXE, PXELinux, and Satellite kickstart, %post, and user information) available to the organization and locations the Satellite server manages.
- Go to Hosts/Templates/Provisioning Templates
- Choose “Any organization”

Provisioning Templates

- Later on, when we provision a machine, you'll see why we need to make sure all of these are available:

 Templates resolved for this operating system	
PXEGrub template Kickstart default PXEGrub	
PXEGrub2 template Kickstart default PXEGrub2	
PXELinux template Kickstart default PXELinux	
Finish template Kickstart default finish	
Host initial configuration template Linux host_init_config default	
iPXE template Kickstart default iPXE	
Discovery Kexec Discovery Red Hat kexec	
Provisioning template Kickstart default	
User data template Kickstart default user data	



Sparksoft Corporation

Austin



 Admin User

 Search and go



Content



All Hosts

Discovered Hosts

Create Host

Content Hosts

Host Collection

Register Host

Provisioning Setup >

Templates

Sync Templates

Partition Tables

Provisioning Templates

Job templates





Templates



Create Template

Build PXE Default

② Documentation

Name	Host Group / Environment	Kind	Snippet	Locked	Actions	
					Clone	⋮
Alterator default finish		Provisioning template				Clone ⋮
Alterator default PXELinux		Finish template				Clone ⋮
alterator_pklist		PXELinux template				Clone ⋮
ansible_provisioning_callback						Clone ⋮
ansible_tower_callback_script						Clone ⋮
ansible_tower_callback_service						Clone ⋮
AutoYaST default		Provisioning template				Clone ⋮
AutoYaST default iPXE		iPXE template				Clone ⋮
AutoYaST default PXEGrub		PXEGrub template				Clone ⋮
AutoYaST default PXEGrub2		PXEGrub2 template				Clone ⋮
AutoYaST default PXELinux		PXELinux template				Clone ⋮
AutoYaST default user data		User data template				Clone ⋮
AutoYaST SLES default		Provisioning template				Clone ⋮
blacklist_kernel_modules						Clone ⋮
bmc_nic_setup						Clone ⋮
Boot disk Grub2 EFI - generic host		Boot disk				Clone ⋮
Boot disk iPXE - generic host		Boot disk				Clone ⋮

Provisioning Templates

- I like to expand my view to more than the default 20 per page



Any organization

Austin

 Admin User

1

Search and go

 Monitor >

Content >

Hosts

All Hosts

Discovered Hosts

Create Host

Content Hosts

Host Collections

Register Host

Provisioning Setup >

Templates ▾

Sync Template

Partition Tables

task template

Alterator default		Provisioning template		
Alterator default finish		Finish template		
Alterator default PXELinux		PXELinux template		
alterator_pklist				
ansible_provisioning_callback				
ansible_tower_callback_script				
ansible_tower_callback_service				
AutoYaST default		Provisioning template		
AutoYaST default iPXE		iPXE template		
AutoYaST default PXEGrub		PXEGrub template		
AutoYaST default PXEGrub2		PXEGrub2 template		
AutoYaST default PXELinux		PXELinux template		
AutoYaST default user data		User data	5 per page	
AutoYaST SLES default		Provisioning	10 per page	
blacklist_kernel_modules			15 per page	
bmc_nic_setup			20 per page	
Boot disk Grub2 EFI - generic host		Boot disk	25 per page	
Boot disk iPXE - generic host			50 per page	
Boot disk iPXE - generic static host				
Boot disk iPXE - host				

1-20 of 132 items ▾

of 7



Any organization

Any location



Admin User

Search and go

Monitor

Content

Hosts

All Hosts

Discovered Hosts

Create Host

Content Hosts

Host Collections

Register Host

Provisioning Setup

Templates

Sync Templates

Partition Tables

Provisioning Templates

Job templates

Provisioning Templates

Search



Create Template

Build PXE Default

Documentation

Name	Host Group / Environment	Kind	Snippet	Locked	Actions
Junos default finish		Finish template			
Junos default SLAX		Provisioning template			
Junos default ZTP config		ZTP PXE template			
Kickstart default		Provisioning template			
Kickstart default finish		Finish template			
Kickstart default iPXE		iPXE template			
Kickstart default PXEGrub		PXEGrub template			
Kickstart default PXEGrub2		PXEGrub2 template			
Kickstart default PXELinux		PXELinux template			
Kickstart default user data		User data template			
kickstart_ifcfg_bonded_interface					
kickstart_ifcfg_bond_interface					
kickstart_ifcfg_generic_interface					
kickstart_ifcfg_get_identifier_names					
kickstart_kernel_options					
kickstart_networking_setup					
Kickstart oVirt-RHVH		Provisioning template			

Red Hat Satellite - Create | Red Hat Satellite - Create | Red Hat Satellite - Provisioning | Red Hat Satellite - Edit Kickstart default PXEGrub | +

Not secure https://wintermute.ddns.camerontech.net/templates/provisioning_templates/4-Kickstart%20default%20PXEGrub/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Provisioning Templates > Edit Kickstart default PXEGrub

Template Inputs Type Association History Locations Organizations Help

Locations

All items	Selected items
Baltimore	Austin
Columbus	
Dallas	
Houston	
Los Angeles	
New York City	
Phoenix	

Submit Cancel

Red Hat Satellite - Create | Red Hat Satellite - Create | Red Hat Satellite - Provisioning | Red Hat Satellite - Edit Kickstart default PXEGrub | +

Not secure https://wintermute.ddns.camerontech.net/templates/provisioning_templates/4-Kickstart%20default%20PXEGrub/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Provisioning Templates > Edit Kickstart default PXEGrub

Template Inputs Type Association History Locations Organizations Help

Locations All items Filter +

Selected items -

- Austin
- Baltimore
- Columbus
- Dallas
- Houston
- Los Angeles
- New York City

Submit Cancel

Red Hat Satellite - Create | Red Hat Satellite - Create | Red Hat Satellite - Edit Ki +

Not secure https://wintermute.ddns.camerontech.net/templates/provisioning_templates/8-Kickstart%20default%20PXEGrub2/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Provisioning Templates > Edit Kickstart default PXEGrub2

Template Inputs Type Association History Locations Organizations Help

Locations

All items	Selected items
Baltimore	Austin
Columbus	
Dallas	
Houston	
Los Angeles	
New York City	
Phoenix	

Submit Cancel

Red Hat Satellite - Create | Red Hat Satellite - Create | Red Hat Satellite - Edit Ki +
Not secure https://wintermute.ddns.camerontech.net/templates/provisioning_templates/8-Kickstart%20default%20PXEGrub2/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Provisioning Templates > Edit Kickstart default PXEGrub2

Template Inputs Type Association History Locations Organizations Help

Locations All items Filter +

Selected items -

- Austin
- Baltimore
- Columbus
- Dallas
- Houston
- Los Angeles
- New York City

Submit Cancel

Red Hat Satellite - Create | Red Hat Satellite - Create | Red Hat Satellite - Edit Ki +

Not secure https://wintermute.ddns.camerontech.net/templates/provisioning_templates/17-Kickstart%20default%20PXELinux/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Provisioning Templates > Edit Kickstart default PXELinux

Template Inputs Type Association History Locations Organizations Help

Locations

All items	Selected items
Baltimore	Austin
Columbus	
Dallas	
Houston	
Los Angeles	
New York City	
Phoenix	

Submit Cancel

Red Hat Satellite - Create x Red Hat Satellite - Create x Red Hat Satellite - Edit Ki x +

Not secure https://wintermute.ddns.camerontech.net/templates/provisioning_templates/43-Kickstart%20default%20finish/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Provisioning Templates > Edit Kickstart default finish

Template Inputs Type Association History Locations Organizations Help

Locations All items Filter +

Selected items -

- Austin
- Baltimore
- Columbus
- Dallas
- Houston
- Los Angeles
- New York City

Submit Cancel

https://wintermute.ddns.camerontech.net/templates/provisioning_templates/43-Kickstart default finish/edit#locations

Not secure https://wintermute.ddns.camerontech.net/templates/provisioning_templates/47-Linux%20host_init_config%20default/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Provisioning Templates > Edit Linux host_init_config default

Template Inputs Type Association History Locations Organizations Help

Locations

All items	Selected items
Baltimore	Austin
Columbus	
Dallas	
Houston	
Los Angeles	
New York City	
Phoenix	

Submit Cancel

Red Hat Satellite - Create | Red Hat Satellite - Create | Red Hat Satellite - Edit Lir +

Not secure https://wintermute.ddns.camerontech.net/templates/provisioning_templates/47-Linux%20host_init_config%20default/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Provisioning Templates > Edit Linux host_init_config default

Template Inputs Type Association History Locations Organizations Help

Locations All items Filter +

Selected items -

- Austin
- Baltimore
- Columbus
- Dallas
- Houston
- Los Angeles
- New York City

Submit Cancel

Personal Sparksoft

Red Hat Satellite Any organization Any location Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Provisioning Templates > Edit Kickstart default iPXE

Template Inputs Type Association History Locations Organizations Help

Locations

All items	Selected items
Baltimore	Austin
Columbus	
Dallas	
Houston	
Los Angeles	
New York City	
Phoenix	

Submit Cancel

Not secure https://wintermute.ddns.camerontech.net/templates/provisioning_templates/52-Kickstart%20default%20iPXE/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Provisioning Templates > Edit Kickstart default iPXE

Template Inputs Type Association History Locations Organizations Help

Locations All items Filter +

Selected items -

- Austin
- Baltimore
- Columbus
- Dallas
- Houston
- Los Angeles
- New York City

Submit Cancel

Red Hat Satellite - Create | Red Hat Satellite - Create | Red Hat Satellite - Edit Di +

Not secure https://wintermute.ddns.camerontech.net/templates/provisioning_templates/37-Discovery%20Red%20Hat%20kexec/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Provisioning Templates > Edit Discovery Red Hat kexec

Template Inputs Type Association History Locations Organizations Help

Locations

All items Filter + Selected items -

Baltimore
Columbus
Dallas
Houston
Los Angeles
New York City
Phoenix

Austin

Submit Cancel

https://wintermute.ddns.camerontech.net/templates/provisioning_templates/37-Discovery Red Hat kexec/edit#locations

Red Hat Satellite - Create x | Red Hat Satellite - Create x | Red Hat Satellite - Edit Di x +

Not secure https://wintermute.ddns.camerontech.net/templates/provisioning_templates/37-Discovery%20Red%20Hat%20kexec/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Provisioning Templates > Edit Discovery Red Hat kexec

Template Inputs Type Association History Locations Organizations Help

Locations All items Filter +

Selected items -

- Austin
- Baltimore
- Columbus
- Dallas
- Houston
- Los Angeles
- New York City

Submit Cancel

Red Hat Satellite - Create x Red Hat Satellite - Create x Red Hat Satellite - Edit Ki x +

Not secure https://wintermute.ddns.camerontech.net/templates/provisioning_templates/64-Kickstart%20default/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Provisioning Templates > Edit Kickstart default

Template Inputs Type Association History Locations Organizations Help

Locations

All items Filter +

- Baltimore
- Columbus
- Dallas
- Houston
- Los Angeles
- New York City
- Phoenix

Selected items -

- Austin

Submit Cancel

Red Hat Satellite - Create x | Red Hat Satellite - Create x | Red Hat Satellite - Edit Ki x +

Not secure https://wintermute.ddns.camerontech.net/templates/provisioning_templates/64-Kickstart%20default/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Provisioning Templates > Edit Kickstart default

Template Inputs Type Association History Locations Organizations Help

Locations All items Filter +

Selected items -

- Austin
- Baltimore
- Columbus
- Dallas
- Houston
- Los Angeles
- New York City

Submit Cancel

Red Hat Satellite - Create | Red Hat Satellite - Create | Red Hat Satellite - Edit Ki +

Not secure https://wintermute.ddns.camerontech.net/templates/provisioning_templates/127-Kickstart%20default%20user%20data/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Provisioning Templates > Edit Kickstart default user data

Template Inputs Type Association History Locations Organizations Help

Locations

All items Filter +

Baltimore
Columbus
Dallas
Houston
Los Angeles
New York City
Phoenix

Selected items -

Austin

Submit Cancel

Red Hat Satellite - Create | Red Hat Satellite - Create | Red Hat Satellite - Edit Ki +

Not secure https://wintermute.ddns.camerontech.net/templates/provisioning_templates/127-Kickstart%20default%20user%20data/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Provisioning Templates > Edit Kickstart default user data

Template Inputs Type Association History Locations Organizations Help

Locations All items Filter +

Selected items -

- Austin
- Baltimore
- Columbus
- Dallas
- Houston
- Los Angeles
- New York City

Submit Cancel



Host Collections

Local Grouping of Systems

Host Collections

- Logical groupings of systems for use for patching and remote commands. Can be based on anything the admin wants – location (Austin, Dallas), role (dev, QA, production), category (app, web, database), or anything else.
- Go to Hosts/Host Collections



Sparksoft Corporation

Austin



Admin User

Search and go

Monitor

Content

Hosts

All Hosts

Discovered Hosts

Create Host

Content Hosts

Host Collections

Register Host

Provisioning Setup

Templates

Compliance

Configure

Host Collections

Filter...

Search

Create Host Collection

Name

Content Hosts

Limit

You currently don't have any Host Collections, you can add Host Collections using the button on the right.



Sparksoft Corporation

Austin ▾

Admin User

Create Host Collection

Host Collections > New Host Collection

Name _____

Physical Servers

Unlimited Hosts

All Hosts

Discovered Hosts

Discovere

Discovered Hosts

Create Host

Host Collections

Register Host

Provisioning Setup >

Templates >

Compliance >

 Configure >

Not secure https://satellite.aus.sparksoftcorp.io/host_collections?page=1&per_page=20&sortBy=name&sortOrder=ASC

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts

All Hosts Discovered Hosts Create Host Content Hosts Host Collections Register Host Provisioning Setup Templates Compliance Configure

Host Collections

Filter... Search Create Host Collection

Name	Content Hosts	Limit
Physical Servers	0	Unlimited

20 per page Showing 1-1 of 1 << < 1 of 1 > >>

Not secure https://satellite.aus.sparksoftcorp.io/host_collections?page=1&per_page=20&sortBy=name&sortOrder=ASC

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts All Hosts Discovered Hosts Create Host Content Hosts Host Collections Register Host Provisioning Setup Templates Compliance Configure

Host Collections

Filter... Search Create Host Collection

Name	Content Hosts	Limit
Development Servers	0	Unlimited
Physical Servers	0	Unlimited
Production Servers	0	Unlimited
QA Servers	0	Unlimited

20 per page Showing 1 - 4 of 4 << < 1 of 1 > >>



Compute Resources

Satellite Can Manage Hypervisors

Compute Resources

- Compute resources are hypervisors. Standalone KVM (libvirt), VMWare, and cloud providers are all supported. We'll enable foreman to connect to the remote hypervisors via ssh with ssh keys.

```
Terminal - foreman@satellite:~  
File Edit View Terminal Tabs Help  
[root@satellite ~]# su - foreman -s /bin/bash  
[foreman@satellite ~]$ ssh-keygen  
Generating public/private rsa key pair.  
Enter file in which to save the key (/usr/share/foreman/.ssh/id_rsa):  
Enter passphrase (empty for no passphrase):  
Enter same passphrase again:  
Your identification has been saved in /usr/share/foreman/.ssh/id_rsa.  
Your public key has been saved in /usr/share/foreman/.ssh/id_rsa.pub.  
The key fingerprint is:  
SHA256:Nsc9SgXBx9sHzdWBWKabTeuAub/p564YKv9C+7uprtk foreman@satellite.aus.sparkso  
ftcorp.io  
The key's randomart image is:  
+---[RSA 3072]---+  
| .0000.+= |  
| .0=.. + |  
| 0.+ . |  
| .00* o . |  
| So++oo . |  
| o +..o. |  
| . .o. . |  
| .00. = .. |  
| o=E=B+**o |  
+---[SHA256]---+  
[foreman@satellite ~]$
```

Terminal - foreman@satellite:~

```
[foreman@satellite ~]$ ssh-copy-id root@hv.dfw.sparksoftcorp.io
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/usr/share/foreman/.ssh/id_rsa.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter
out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompt
ed now it is to install the new keys
root@hv.dfw.sparksoftcorp.io's password:

Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'root@hv.dfw.sparksoftcorp.io'"
and check to make sure that only the key(s) you wanted were added.

[foreman@satellite ~]$
```

Terminal - foreman@satellite:~

File Edit View Terminal Tabs Help

```
[foreman@satellite ~]$ for i in dfw iah bwi lax dca jfk phx cmh; do ssh root@hv.$i.sparksoftcorp.io "hostname" 2> /dev/null; done
hv.dfw.sparksoftcorp.io
hv.iah.sparksoftcorp.io
hv.bwi.sparksoftcorp.io
hv.lax.sparksoftcorp.io
hv.dca.sparksoftcorp.io
hv.jfk.sparksoftcorp.io
hv.phx.sparksoftcorp.io
hv.cmh.sparksoftcorp.io
[foreman@satellite ~]$
```

Compute Resources

- Now we need to add the compute resources through the Satellite web UI
- Go to Infrastructure/Compute Resources

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite | +

Not secure https://satellite.aus.sparksoftcorp.io/compute_resources

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

- Monitor
- Content
- Hosts
- Configure
- Infrastructure
 - Capsules
 - Compute Resources
 - Virt-who configurations
 - Compute Profiles
 - Subnets
 - Domains
 - HTTP Proxies
 - Realms
- Administer

 Compute Resources

Satellite supports creating and managing hosts on a number of virtualization and cloud services - referred to as "compute resources" - as well as bare metal hosts.

For more information please see [documentation](#)

Create Compute Resource

Red Hat Satellite - Create Compute Resource - Google Chrome

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Create +

Not secure https://satellite.aus.sparksoftcorp.io/compute_resources/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Compute Resources > Create Compute Resource

Compute Resource Locations Organizations

Name *

Provider *

Description

Submit Cancel

The screenshot shows a web interface for creating a compute resource in Red Hat Satellite. On the left, a sidebar lists navigation options: Monitor, Content, Hosts, Configure, Infrastructure, and Administer. The main area is titled 'Create Compute Resource' under 'Compute Resources'. It features tabs for 'Compute Resource', 'Locations', and 'Organizations'. The 'Compute Resource' tab is active. It contains fields for 'Name' (marked with an asterisk), 'Provider' (a dropdown menu showing 'Choose a provider'), and 'Description'. At the bottom are 'Submit' and 'Cancel' buttons.

Red Hat Satellite - Create Compute Resource - Google Chrome

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Create +

Not secure https://satellite.aus.sparksoftcorp.io/compute_resources/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Compute Resources > Create Compute Resource

Compute Resource Locations Organizations

Name * hv.dfw.sparksoftcorp.io

Provider * Choose a provider

Description

- Choose a provider
- Azure Resource Manager
- EC2
- Google
- Libvirt
- RHEL OpenStack Platform
- RHV

Submit Cancel

The screenshot shows the 'Create Compute Resource' interface in the Red Hat Satellite web UI. The 'Compute Resource' tab is active. The 'Name' field is populated with 'hv.dfw.sparksoftcorp.io'. The 'Provider' field is a dropdown menu with a placeholder 'Choose a provider' and a list of options: Azure Resource Manager, EC2, Google, Libvirt (highlighted in blue), RHEL OpenStack Platform, and RHV. The 'Description' field is empty. The left sidebar includes links for Monitor, Content, Hosts, Configure, Infrastructure, and Administer.

Compute Resources

- Note that the example is wrong! Change it to **qemu+ssh://root@host.example.com/system**, not qemu://host.example.com/system
- Also, uncheck the box for “Set a randomly generated password on the display connection” or else you won’t be able to log in via Virtual Machine Manager or Cockpit Machines!



Sparksoft Corporation

Austin

Admin User

Search and go

Monitor >

Content >

Hosts >

Configure >

Infrastructure >

Administer >

Compute Resources > Create Compute Resource

Compute Resource

Locations

Organizations

Name *

hv.dfw.sparksoftcorp.io

Provider *

Libvirt

Description

Url *

qemu+ssh://root@hv.dfw.sparksoftcorp.io/system

Documentation

e.g. qemu://host.example.com/system

Display Type

VNC

Console Passwords

Set a randomly generated password on the display connection

Test Connection

Submit

Cancel

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Compute Resource Locations Organizations

Locations

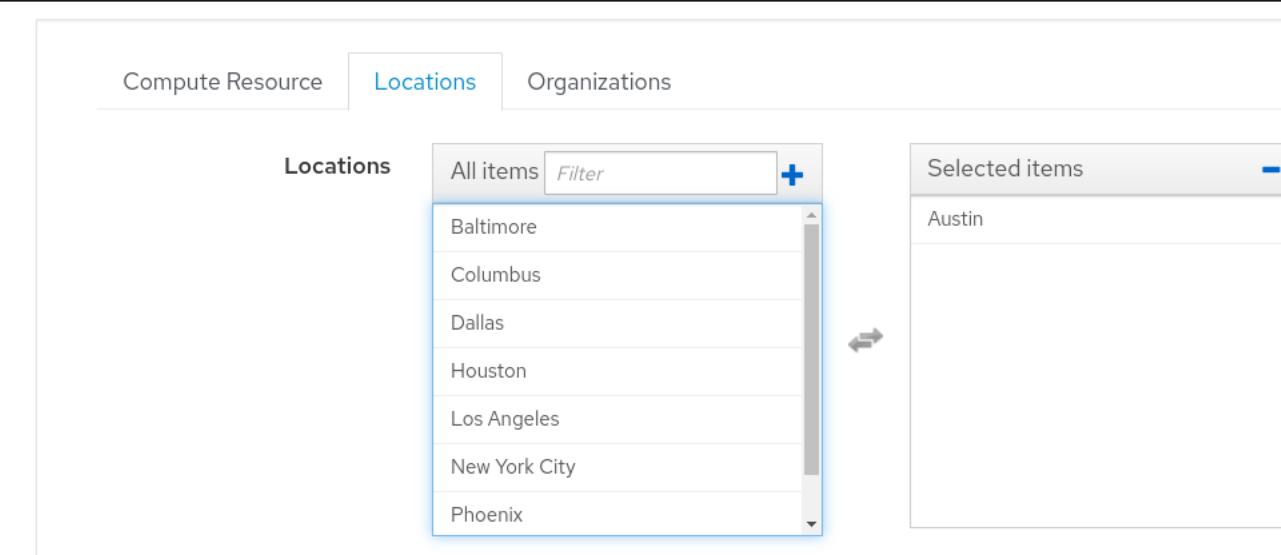
All items Filter +

- Baltimore
- Columbus
- Dallas
- Houston
- Los Angeles
- New York City
- Phoenix

Selected items -

- Austin

Submit Cancel



Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Compute Resource Locations Organizations

Locations

All items Filter +

- Austin
- Baltimore
- Columbus
- Houston
- Los Angeles
- New York City
- Phoenix

Selected items -

- Dallas

Submit Cancel

The screenshot shows a web-based interface for creating a compute resource. On the left, a sidebar lists navigation options: Monitor, Content, Hosts, Configure, Infrastructure, and Administer. The main area has tabs for Compute Resource, Locations (which is active), and Organizations. Below the tabs is a 'Locations' section. It contains two lists: 'All items' on the left and 'Selected items' on the right. The 'All items' list includes Austin, Baltimore, Columbus, Houston, Los Angeles, New York City, and Phoenix. The 'Selected items' list currently contains Dallas. A double-headed arrow icon between the lists indicates they are interactive. At the bottom are 'Submit' and 'Cancel' buttons.

Compute Resources

- Finally, test the connection



Sparksoft Corporation

Austin

Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Compute Resources > Create Compute Resource

Test connection was successful

Compute Resource

Locations

Organizations

Name *

hv.dfw.sparksoftcorp.io

Provider *

Libvirt

Description

Url *

qemu+ssh://root@hv.dfw.sparksoftcorp.io/system

Documentation

e.g. qemu://host.example.com/system

Display Type

VNC

Console Passwords



Set a randomly generated password on the display connection

Test Connection

Submit

Cancel



Sparksoft Corporation

Austin ▾

 Admin User ▾

 Search and go

● Monitor

Content

Hosts

Configure

Infrastructure

 Administer

Compute Resources > hv.dfw.sparksoftcorp.io

[Associate VMs](#) [Edit](#) [Create Image](#)

Virtual Machines Images Compute profiles

[Associate VMs](#) [Edit](#) [Create Image](#)

Property	Value
Provider	Libvirt
URL	qemu+ssh://root@hv.dfw.sparksoftcorp.io/system
Display Type	vnc
Console Passwords	Disabled

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Comp... +

Not secure https://satellite.aus.sparksoftcorp.io/compute_resources

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Capsules Compute Resources Virt-who configurations Compute Profiles Subnets Domains HTTP Proxies Realms Administer

Compute Resources

Search → ⌂ ↴ Create Compute Resource Documentation

Name	Type	Actions
hv.dfw.sparksoftcorp.io	Libvirt	Edit ↴

1-1 of 1 items ▾ 1 of 1 < < > >>



Sparksoft Corporation

Austin

Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Capsules

Compute Resources

Virt-who configurations

Compute Profiles

Subnets

Domains

HTTP Proxies

Realms

Administer

Compute Resources

Search



Create Compute Resource

Documentation

Name	Type	Actions
armitage.aus.sparksoftcorp.io	Libvirt	<button>Edit</button>
dixie-flatline.aus.sparksoftcorp.io	Libvirt	<button>Edit</button>
hideo.aus.sparksoftcorp.io	Libvirt	<button>Edit</button>
hv.bwi.sparksoftcorp.io	Libvirt	<button>Edit</button>
hv.cmh.sparksoftcorp.io	Libvirt	<button>Edit</button>
hv.dca.sparksoftcorp.io	Libvirt	<button>Edit</button>
hv.dfw.sparksoftcorp.io	Libvirt	<button>Edit</button>
hv.iah.sparksoftcorp.io	Libvirt	<button>Edit</button>
hv.jfk.sparksoftcorp.io	Libvirt	<button>Edit</button>
hv.lax.sparksoftcorp.io	Libvirt	<button>Edit</button>
hv.phx.sparksoftcorp.io	Libvirt	<button>Edit</button>
lady3jane.aus.sparksoftcorp.io	Libvirt	<button>Edit</button>
molly.aus.sparksoftcorp.io	Libvirt	<button>Edit</button>
neuromancer.aus.sparksoftcorp.io	Libvirt	<button>Edit</button>
riviera.aus.sparksoftcorp.io	Libvirt	<button>Edit</button>



Compute Profiles

You can firm up how you deploy VMs

Compute Profiles

- The default settings for compute profiles should be optimized for your environment.
- Go to Infrastructure/Compute Profiles

Red Hat Satellite - Create | Red Hat Satellite - Domain | Red Hat Satellite - Compute Profiles +
Not secure https://satellite.aus.sparksoftcorp.io/compute_profiles

Personal Sparksoft All Bookmarks



Sparksoft Corporation ▾

Any location ▾



Admin User ▾

Search and go

- Monitor
- Content
- Hosts
- Configure
- Infrastructure
 - Capsules
 - Compute Resources
 - Virt-who configurations
 - Compute Profiles
 - Subnets
 - Domains
 - HTTP Proxies
 - Realms

Compute Profiles

Search → ⌂ ▾

Create Compute Profile Documentation

Name	Actions
1-Small	Rename ▾
2-Medium	Rename ▾
3-Large	Rename ▾

1 - 3 of 3 items ▾

« < 1 of 1 > »



Sparksoft Corporation ▾

Austin ▾



Admin User ▾

Search and go

Monitor >

Content >

Hosts >

Configure >

Infrastructure >

Administer >

Compute Profiles > 1-Small ⇛

Click on the link of a compute resource to edit its default VM attributes.

Compute Resource	VM Attributes (1-Small)
armitage.aus.sparksoftcorp.io (Libvirt)	unspecified
dixie-flatline.aus.sparksoftcorp.io (Libvirt)	unspecified
hideo.aus.sparksoftcorp.io (Libvirt)	unspecified
hv.bwi.sparksoftcorp.io (Libvirt)	unspecified
hv.cmh.sparksoftcorp.io (Libvirt)	unspecified
hv.dca.sparksoftcorp.io (Libvirt)	unspecified
hv.dfw.sparksoftcorp.io (Libvirt)	unspecified
hv.iah.sparksoftcorp.io (Libvirt)	unspecified
hv.jfk.sparksoftcorp.io (Libvirt)	unspecified
hv.lax.sparksoftcorp.io (Libvirt)	unspecified
hv.phx.sparksoftcorp.io (Libvirt)	unspecified
lady3jane.aus.sparksoftcorp.io (Libvirt)	unspecified
molly.aus.sparksoftcorp.io (Libvirt)	unspecified
neuromancer.aus.sparksoftcorp.io (Libvirt)	unspecified
riviera.aus.sparksoftcorp.io (Libvirt)	unspecified

Red Hat Satellite Not secure https://satellite.aus.sparksoftcorp.io/compute_profiles/1-1-Small/compute_resources/12-neuromancer-aus.sparksoftcorp.io/compute_attributes/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Compute Resources > neuromancer.aus.sparksoftcorp.io (Libvirt) > Compute Profiles > New 1-Small

Compute profile * 1-Small

Compute resource * neuromancer.aus.sparksoftcorp.io (Libvirt)

CPUs 1

CPU mode default

Memory 2048 MB

Image

Network interfaces

Network type Physical (Bridge)

Network bridge0

NIC type virtio

+ Add Interface

Red Hat Satellite Not secure https://satellite.aus.sparksoftcorp.io/compute_profiles/1-1-Small/compute_resources/12-neuromancer-aus.sparksoftcorp.io/compute_attributes/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Compute Resources > neuromancer.aus.sparksoftcorp.io (Libvirt) > Compute Profiles > New 1-Small

Compute profile * 1-Small

Compute resource * neuromancer.aus.sparksoftcorp.io (Libvirt)

CPU mode default

Memory host-passthrough

Image host-model

CPUs 2

Network interfaces

Network type Physical (Bridge)

Network bridge0

NIC type virtio

+ Add Interface

Red Hat Satellite Not secure https://satellite.aus.sparksoftcorp.io/compute_profiles/1-1-Small/compute_resources/12-neuromancer-aus.sparksoftcorp.io/compute_attributes/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Compute Resources > neuromancer.aus.sparksoftcorp.io (Libvirt) > Compute Profiles > New 1-Small

Compute profile * 1-Small

Compute resource * neuromancer.aus.sparksoftcorp.io (Libvirt)

CPUs 2

CPU mode host-passthrough

Memory 2048 MB

Image

Image to use

Network interfaces

Network type Physical (Bridge)

Network bridge0

NIC type virtio

+ Add Interface

Red Hat Satellite Not secure https://satellite.aus.sparksoftcorp.io/compute_profiles/1-1-Small/compute_resources/12-neuromancer-aus-sparksoftcorp.io/compute_attributes/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Physical (Bridge) bridge0 virtio

+ Add Interface

Storage

default 10G 0G None Size Full RAW

+ Add Volume

Submit Cancel

This screenshot shows the Red Hat Satellite web interface for managing compute resources. On the left, a sidebar lists navigation options: Monitor, Content, Hosts, Configure, Infrastructure, and Administer. The main content area is titled 'Compute Attributes' and shows configuration for a specific resource. At the top, it specifies a 'Network type' of 'Physical (Bridge)', a 'Network' of 'bridge0', and a 'NIC type' of 'virtio'. Below this, under the 'Storage' section, there are fields for 'Storage pool' (set to 'default'), 'Size (GB)' (set to '10G'), 'Allocation (GB)' (set to '0G'), and 'Type' (set to 'RAW'). There are also buttons for '+ Add Interface' and '+ Add Volume'. At the bottom of the form are 'Submit' and 'Cancel' buttons.

Red Hat Satellite Not secure https://satellite.aus.sparksoftcorp.io/compute_profiles/1-1-Small/compute_resources/12-neuromancer-aus-sparksoftcorp.io/compute_attributes/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

+ Add Interface

Storage

Network type: Physical (Bridge)

Network: bridge0

NIC type: virtio

+ Add Interface

Storage pool: default

Size (GB): 20G

Allocation (GB): 20G

Type: QCOW2

+ Add Volume

Submit Cancel

Red Hat Satellite - 1-Small - Google Chrome

Red Hat Satellite - Compute Profiles 1-Small | Red Hat Satellite - 1-Small | 2-Medium | 3-Large | +

Not secure https://satellite.aus.sparksoftcorp.io/compute_profiles/1-1-Small

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Compute Profiles > 1-Small ⇛

Click on the link of a compute resource to edit its default VM attributes.

Compute Resource	VM Attributes (1-Small)
armitage.aus.sparksoftcorp.io (Libvirt)	2 CPUs and 2 GB memory
dixie-flatline.aus.sparksoftcorp.io (Libvirt)	2 CPUs and 2 GB memory
hideo.aus.sparksoftcorp.io (Libvirt)	2 CPUs and 2 GB memory
hv.bwi.sparksoftcorp.io (Libvirt)	2 CPUs and 2 GB memory
hv.cmh.sparksoftcorp.io (Libvirt)	2 CPUs and 2 GB memory
hv.dca.sparksoftcorp.io (Libvirt)	2 CPUs and 2 GB memory
hv.dfw.sparksoftcorp.io (Libvirt)	2 CPUs and 2 GB memory
hv.iah.sparksoftcorp.io (Libvirt)	2 CPUs and 2 GB memory
hv.jfk.sparksoftcorp.io (Libvirt)	2 CPUs and 2 GB memory
hv.lax.sparksoftcorp.io (Libvirt)	2 CPUs and 2 GB memory
hv.phx.sparksoftcorp.io (Libvirt)	2 CPUs and 2 GB memory
lady3jane.aus.sparksoftcorp.io (Libvirt)	2 CPUs and 2 GB memory
molly.aus.sparksoftcorp.io (Libvirt)	2 CPUs and 2 GB memory
neuromancer.aus.sparksoftcorp.io (Libvirt)	2 CPUs and 2 GB memory
riviera.aus.sparksoftcorp.io (Libvirt)	2 CPUs and 2 GB memory

Red Hat Satellite - Comp x | Red Hat Satellite - 1-Smal x | Red Hat Satellite - 2-Medi x | 3-Large x | +

Not secure https://satellite.aus.sparksoftcorp.io/compute_profiles/2-2-Medium

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Compute Profiles > 2-Medium

Click on the link of a compute resource to edit its default VM attributes.

Compute Resource	VM Attributes (2-Medium)
armitage.aus.sparksoftcorp.io (Libvirt)	4 CPUs and 4 GB memory
dixie-flatline.aus.sparksoftcorp.io (Libvirt)	4 CPUs and 4 GB memory
hideo.aus.sparksoftcorp.io (Libvirt)	4 CPUs and 4 GB memory
hv.bwi.sparksoftcorp.io (Libvirt)	4 CPUs and 4 GB memory
hv.cmh.sparksoftcorp.io (Libvirt)	4 CPUs and 4 GB memory
hv.dca.sparksoftcorp.io (Libvirt)	4 CPUs and 4 GB memory
hv.dfw.sparksoftcorp.io (Libvirt)	4 CPUs and 4 GB memory
hv.iah.sparksoftcorp.io (Libvirt)	4 CPUs and 4 GB memory
hv.jfk.sparksoftcorp.io (Libvirt)	4 CPUs and 4 GB memory
hv.lax.sparksoftcorp.io (Libvirt)	4 CPUs and 4 GB memory
hv.phx.sparksoftcorp.io (Libvirt)	4 CPUs and 4 GB memory
lady3jane.aus.sparksoftcorp.io (Libvirt)	4 CPUs and 4 GB memory
molly.aus.sparksoftcorp.io (Libvirt)	4 CPUs and 4 GB memory
neuromancer.aus.sparksoftcorp.io (Libvirt)	4 CPUs and 4 GB memory
riviera.aus.sparksoftcorp.io (Libvirt)	4 CPUs and 4 GB memory

Red Hat Satellite - 3-Large - Google Chrome

Red Hat Satellite - Compute Profiles > 3-Large

Not secure https://satellite.aus.sparksoftcorp.io/compute_profiles/3-3-Large

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Compute Profiles > 3-Large

Click on the link of a compute resource to edit its default VM attributes.

Compute Resource	VM Attributes (3-Large)
armitage.aus.sparksoftcorp.io (Libvirt)	8 CPUs and 8 GB memory
dixie-flatline.aus.sparksoftcorp.io (Libvirt)	8 CPUs and 8 GB memory
hideo.aus.sparksoftcorp.io (Libvirt)	8 CPUs and 8 GB memory
hv.bwi.sparksoftcorp.io (Libvirt)	4 CPUs and 8 GB memory
hv.cmh.sparksoftcorp.io (Libvirt)	4 CPUs and 8 GB memory
hv.dca.sparksoftcorp.io (Libvirt)	4 CPUs and 8 GB memory
hv.dfw.sparksoftcorp.io (Libvirt)	4 CPUs and 8 GB memory
hv.iah.sparksoftcorp.io (Libvirt)	4 CPUs and 8 GB memory
hv.jfk.sparksoftcorp.io (Libvirt)	4 CPUs and 8 GB memory
hv.lax.sparksoftcorp.io (Libvirt)	4 CPUs and 8 GB memory
hv.phx.sparksoftcorp.io (Libvirt)	4 CPUs and 8 GB memory
lady3jane.aus.sparksoftcorp.io (Libvirt)	8 CPUs and 8 GB memory
molly.aus.sparksoftcorp.io (Libvirt)	8 CPUs and 8 GB memory
neuromancer.aus.sparksoftcorp.io (Libvirt)	8 CPUs and 8 GB memory
riviera.aus.sparksoftcorp.io (Libvirt)	8 CPUs and 8 GB memory



Activation Keys

Tying everything together!

Activation Keys

- Activation keys enable a new host to attach to your Satellite and automatically join an environment (Dev, QA, Production), a content view or composite content view, consume the correct subscriptions to products, have the correct repositories available, and join the correct host collections (system groups)
- Go to Content/Lifecycle/Activation Keys

Search and go

- Monitor
- Content
 - Subscriptions
 - Red Hat Repositories
 - Products
 - Content Credentials
 - Alternate Content Sources
 - Sync Plans
 - Sync Status
- Lifecycle
 - Lifecycle Environments
 - Content Views
 - Activation Keys
- Content Types

Select an Organization

The page you are attempting to access requires selecting a specific organization.

Please select one from the list below and you will be redirected.

Select

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite | +

Not secure https://satellite.aus.sparksoftcorp.io/select_organization?toState=https%3A%2F%2Fsatellite.aus.sparksoftcorp.io%2Factivation_keys

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Austin Admin User

Search and go

- Monitor
- Content
 - Subscriptions
 - Red Hat Repositories
 - Products
 - Content Credentials
 - Alternate Content Sources
 - Sync Plans
 - Sync Status
- Lifecycle
 - Lifecycle Environments
 - Content Views
 - Activation Keys
- Content Types

Select an Organization

The page you are attempting to access requires selecting a specific organization.

Please select one from the list below and you will be redirected.

Sparksoft Corporation

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Activat... +

Not secure https://satellite.aus.sparksoftcorp.io/activation_keys?page=1&per_page=20&sortBy=name&sortOrder=ASC

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status

Lifecycle Lifecycle Environments Content Views Activation Keys

Activation Keys

Filter... Search Create Activation Key

Name	Host Limit	Environment	Content View
You currently don't have any Activation Keys, you can add Activation Keys using the button on the right.			

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - New A... +

Not secure https://satellite.aus.sparksoftcorp.io/activation_keys/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Lifecycle Environments Content Views Activation Keys Content Types

New Activation Key

Activation Keys > New Activation Key

Name

Unlimited Hosts

Description

Environment

Library Development Quality Assurance Production

Content View

Please select an environment.

Save Cancel

Red Hat Satellite - Create x Red Hat Satellite - Subnet x Red Hat Satellite - New A x +

Not secure https://satellite.aus.sparksoftcorp.io/activation_keys/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Lifecycle Environments Content Views Activation Keys Content Types

New Activation Key

Activation Keys > New Activation Key

Name: Development Activation Key

Unlimited Hosts

Description:

Environment: Library Development Quality Assurance Production

Content View:

- EPEL 9
- RHEL 9 Content View
- RHEL9 Sparksoft EPEL9 CCV**
- Sparksoft Content View

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - New A... +

Not secure https://satellite.aus.sparksoftcorp.io/activation_keys/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Lifecycle Environments Content Views Activation Keys Content Types

New Activation Key

Activation Keys > New Activation Key

Name: Development Activation Key

Unlimited Hosts

Description:

Environment: Library Development Quality Assurance Production

Content View: RHEL9 Sparksoft EPEL9 CCV

Save Cancel

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Details +

Not secure https://satellite.aus.sparksoftcorp.io/activation_keys/1

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Lifecycle Environments Content Views Activation Keys Content Types

Development Activation Key

Activation Keys > Development Activation Key

This organization has Simple Content Access enabled. Hosts are not required to have subscriptions attached to access repositories.

This activation key may be used during system registration.

Details Repository Sets Host Collections Associations

Basic Information

Name:	Development Activation Key	<input type="button" value=""/>
Description:		<input type="button" value=""/>
Host Limit:	Unlimited	<input type="button" value=""/>

Activation Key Content

Release Version:	<input type="button" value=""/>
Environment:	<input type="checkbox"/> Library <input checked="" type="checkbox"/> Development <input type="checkbox"/> Quality Assurance <input type="checkbox"/> Production

System Purpose

Service Level:	<input type="button" value=""/>
Usage Type:	<input type="button" value=""/> <input type="button" value=""/>
Role:	<input type="button" value=""/>
Add ons:	<input type="button" value=""/>

Content View: RHEL9 Sparksoft EPEL9 CCV

Content Views

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Details +

Not secure https://satellite.aus.sparksoftcorp.io/activation_keys/1

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Lifecycle Environments Content Views Activation Keys Content Types

Development Activation Key

Activation Keys > Development Activation Key

This organization has Simple Content Access enabled. Hosts are not required to have subscriptions attached to access repositories.

This activation key may be used during system registration.

Details Repository Sets Host Collections Associations

Name: Development Activation Key

Description:

Host Limit: Unlimited

System Purpose

Service Level:

Usage Type:

Role:

Add ons:

Activation Key Content

Release Version: 9

Environment:

Content View: RHEL9 Sparksoft EPEL9 CCV

Select Action

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Details +

Not secure https://satellite.aus.sparksoftcorp.io/activation_keys/1

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Lifecycle Environments Content Views Activation Keys Content Types

Development Activation Key

Activation Keys > Development Activation Key

This organization has Simple Content Access enabled. Hosts are not required to have subscriptions attached to access repositories.

This activation key may be used during system registration.

Details Repository Sets Host Collections Associations

Basic Information

Name:	Development Activation Key	<input type="button" value=""/>
Description:		<input type="button" value=""/>
Host Limit:	Unlimited	<input type="button" value=""/>

Activation Key Content

Release Version:	9	<input type="button" value=""/>
Environment:	<input checked="" type="checkbox"/> Development	<input type="button" value=""/>
Content View:	RHEL9 Sparksoft EPEL9 CCV	<input type="button" value=""/>

System Purpose

Service Level:	<input type="button" value=""/>
Usage Type:	<input type="button" value=""/>
Role:	<input type="button" value=""/>
Add ons:	

Library Development Quality Assurance Production

Activation Key updated

Select Action

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Activat +
Not secure https://satellite.aus.sparksoftcorp.io/activation_keys/1/products?page=1&per_page=20&sortOrder=ASC

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Lifecycle Environments Content Views Activation Keys Content Types

Development Activation Key

Activation Keys > Development Activation Key > Repository Sets

This organization has Simple Content Access enabled. Hosts are not required to have subscriptions attached to access repositories.

Details Repository Sets Host Collections Associations

Below are the Repository Sets currently available for this activation key through its subscriptions. For Red Hat subscriptions, additional content can be made available through the [Red Hat Repositories page](#). Changing default settings for content hosts that register with this activation key requires subscription-manager version 1.10 or newer to be installed on that host.

Filter... Search Limit to Environment Repository type All Select Action

0 of 13 Selected

<input type="checkbox"/>	Repository Name	Product Name	Repository Path	Status
<input type="checkbox"/>	EPEL 9 Repository	EPEL 9	/custom/EPEL_9/EPEL_9_Repository	Disabled
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for RHEL 9 x86_64 (RPMs)	Red Hat CodeReady Linux Builder for x86_64	/content/dist/rhel9/\$releasever/x86_64/codeready-builder/os	Disabled
<input type="checkbox"/>	Red Hat Enterprise Linux 8 for x86_64 - AppStream (Kickstart)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel8/\$releasever/x86_64/appstream/kickstart	Disabled
<input type="checkbox"/>	Red Hat Enterprise Linux 8 for x86_64 - AppStream (RPMs)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel8/\$releasever/x86_64/appstream/os	Enabled
<input type="checkbox"/>	Red Hat Enterprise Linux 8 for x86_64 - BaseOS (Kickstart)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel8/\$releasever/x86_64/baseos/kickstart	Disabled

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Activat +
Not secure https://satellite.aus.sparksoftcorp.io/activation_keys/1/products?page=1&per_page=20&sortOrder=ASC

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Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Lifecycle Environments Content Views Activation Keys Content Types

Development Activation Key

Activation Keys > Development Activation Key > Repository Sets

This organization has Simple Content Access enabled. Hosts are not required to have subscriptions attached to access repositories.

Details Repository Sets Host Collections Associations

Below are the Repository Sets currently available for this activation key. For Red Hat subscriptions, additional content can be made available through the Red Hat Content Access feature. This activation key requires subscription-manager version 1.10 or newer to be installed on that host.

Limit Repository Sets to only those available in this Activation Key's Lifecycle Environment

Filter... Search Limit to Environment Repository type All Select Action

0 of 13 Selected

<input type="checkbox"/>	Repository Name	Product Name	Repository Path	Status
<input type="checkbox"/>	EPEL 9 Repository	EPEL 9	/custom/EPEL_9/EPEL_9_Repository	Disabled
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for RHEL 9 x86_64 (RPMs)	Red Hat CodeReady Linux Builder for x86_64	/content/dist/rhel9/\$releasever/x86_64/codeready-builder/os	Disabled
<input type="checkbox"/>	Red Hat Enterprise Linux 8 for x86_64 - AppStream (Kickstart)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel8/\$releasever/x86_64/appstream/kickstart	Disabled
<input type="checkbox"/>	Red Hat Enterprise Linux 8 for x86_64 - AppStream (RPMs)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel8/\$releasever/x86_64/appstream/os	Enabled
<input type="checkbox"/>	Red Hat Enterprise Linux 8 for x86_64 - BaseOS (Kickstart)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel8/\$releasever/x86_64/baseos/kickstart	Disabled

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Activation Keys - Google Chrome

Not secure https://satellite.aus.sparksoftcorp.io/activation_keys/1/products?page=1&per_page=20&sortOrder=ASC

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Lifecycle Environments Content Views Activation Keys Content Types

① Below are the Repository Sets currently available for this activation key through its subscriptions. For Red Hat subscriptions, additional content can be made available through the [Red Hat Repositories page](#). Changing default settings for content hosts that register with this activation key requires subscription-manager version 1.10 or newer to be installed on that host.

Filter... Search Limit to Environment Repository type All Select Action

0 of 8 Selected

	Repository Name	Product Name	Repository Path	Status
<input type="checkbox"/>	EPEL 9 Repository	EPEL 9	/custom/EPEL_9/EPEL_9_Repository	Disabled
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for RHEL 9 x86_64 (RPMs)	Red Hat CodeReady Linux Builder for x86_64	/content/dist/rhel9/\$releasever/x86_64/codeready-builder/os	Disabled
<input type="checkbox"/>	Red Hat Enterprise Linux 9 for x86_64 - AppStream (Kickstart)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel9/\$releasever/x86_64/appstream/kickstart	Disabled
<input type="checkbox"/>	Red Hat Enterprise Linux 9 for x86_64 - AppStream (RPMs)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel9/\$releasever/x86_64/appstream/os	Enabled
<input type="checkbox"/>	Red Hat Enterprise Linux 9 for x86_64 - BaseOS (Kickstart)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel9/\$releasever/x86_64/baseos/kickstart	Disabled
<input type="checkbox"/>	Red Hat Enterprise Linux 9 for x86_64 - BaseOS (RPMs)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel9/\$releasever/x86_64/baseos/os	Enabled
<input type="checkbox"/>	Red Hat Satellite Client 6 for RHEL 9 x86_64 (RPMs)	Red Hat Enterprise Linux for x86_64	/content/dist/layered/rhel9/x86_64/sat-client/6/os	Disabled
<input type="checkbox"/>	Sparksoft Repo	Sparksoft	/custom/Sparksoft/Sparksoft_Repo	Disabled

20 per page Showing 1 - 8 of 8 1 of 1

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Activat +
Not secure https://satellite.aus.sparksoftcorp.io/activation_keys/1/products?page=1&per_page=20&sortOrder=ASC

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Lifecycle Environments Content Views Activation Keys Content Types

① Below are the Repository Sets currently available for this activation key through its subscriptions. For Red Hat subscriptions, additional content can be made available through the [Red Hat Repositories page](#). Changing default settings for content hosts that register with this activation key requires subscription-manager version 1.10 or newer to be installed on that host.

	Repository Name	Product Name	Repository Path	Status
<input type="checkbox"/>	EPEL 9 Repository	EPEL 9	/custom/EPEL_9/EPEL_9_Repository	Disabled
<input checked="" type="checkbox"/>	Red Hat CodeReady Linux Builder for RHEL 9 x86_64 (RPMs)	Red Hat CodeReady Linux Builder for x86_64	/content/dist/rhel9/\$releasever/x86_64/codeready-builder/os	Disabled
<input checked="" type="checkbox"/>	Red Hat Enterprise Linux 9 for x86_64 - AppStream (Kickstart)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel9/\$releasever/x86_64/appstream/kickstart	Disabled
<input type="checkbox"/>	Red Hat Enterprise Linux 9 for x86_64 - AppStream (RPMs)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel9/\$releasever/x86_64/appstream/os	Enabled
<input checked="" type="checkbox"/>	Red Hat Enterprise Linux 9 for x86_64 - BaseOS (Kickstart)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel9/\$releasever/x86_64/baseos/kickstart	Disabled
<input type="checkbox"/>	Red Hat Enterprise Linux 9 for x86_64 - BaseOS (RPMs)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel9/\$releasever/x86_64/baseos/os	Enabled
<input checked="" type="checkbox"/>	Red Hat Satellite Client 6 for RHEL 9 x86_64 (RPMs)	Red Hat Enterprise Linux for x86_64	/content/dist/layered/rhel9/x86_64/sat-client/6/os	Disabled
<input checked="" type="checkbox"/>	Sparksoft Repo	Sparksoft	/custom/Sparksoft/Sparksoft_Repo	Disabled

20 per page Showing 1 - 8 of 8 1 of 1

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Activat +
Not secure https://satellite.aus.sparksoftcorp.io/activation_keys/1/products?page=1&per_page=20&sortOrder=ASC

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Lifecycle Environments Content Views Activation Keys Content Types

① Below are the Repository Sets currently available for this activation key through its subscription. [Repositories page](#). Changing default settings for content hosts that register with this activation key requires subscription-manager version 1.10 or newer to be installed on that host.

Repository Sets settings saved successfully.

<input type="checkbox"/>	Repository Name	Product Name	Repository Path	Status
<input type="checkbox"/>	EPEL 9 Repository	EPEL 9	/custom/EPEL_9/EPEL_9_Repository	Enabled (overridden)
<input type="checkbox"/>	Red Hat CodeReady Linux Builder for RHEL 9 x86_64 (RPMs)	Red Hat CodeReady Linux Builder for x86_64	/content/dist/rhel9/\$releasever/x86_64/codeready-builder/os	Enabled (overridden)
<input type="checkbox"/>	Red Hat Enterprise Linux 9 for x86_64 - AppStream (Kickstart)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel9/\$releasever/x86_64/appstream/kickstart	Enabled (overridden)
<input type="checkbox"/>	Red Hat Enterprise Linux 9 for x86_64 - AppStream (RPMs)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel9/\$releasever/x86_64/appstream/os	Enabled
<input type="checkbox"/>	Red Hat Enterprise Linux 9 for x86_64 - BaseOS (Kickstart)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel9/\$releasever/x86_64/baseos/kickstart	Enabled (overridden)
<input type="checkbox"/>	Red Hat Enterprise Linux 9 for x86_64 - BaseOS (RPMs)	Red Hat Enterprise Linux for x86_64	/content/dist/rhel9/\$releasever/x86_64/baseos/os	Enabled
<input type="checkbox"/>	Red Hat Satellite Client 6 for RHEL 9 x86_64 (RPMs)	Red Hat Enterprise Linux for x86_64	/content/dist/layered/rhel9/x86_64/sat-client/6/os	Enabled (overridden)
<input type="checkbox"/>	Sparksoft Repo	Sparksoft	/custom/Sparksoft/Sparksoft_Repo	Enabled (overridden)

Filter... Search Limit to Environment Repository type All Select Action 0 of 8 Selected

20 per page Showing 1 - 8 of 8 1 of 1

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Activat +
Not secure https://satellite.aus.sparksoftcorp.io/activation_keys/1/host-collections?page=1&per_page=20&sortBy=name&sortOrder=ASC

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Lifecycle Environments Content Views Activation Keys Content Types

Development Activation Key

Activation Keys > Development Activation Key > List Host Collections

This organization has Simple Content Access enabled. Hosts are not required to have subscriptions attached to access repositories.

Details Repository Sets Host Collections Associations

List/Remove Add Filter Remove Selected 0 of 0 Selected

<input type="checkbox"/>	Name	Description	Capacity
--------------------------	------	-------------	----------

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Activat +
Not secure https://satellite.aus.sparksoftcorp.io/activation_keys/1/host-collections/add?page=1&per_page=20&sortBy=name&sortOrder=ASC

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Lifecycle Environments Content Views Activation Keys Content Types

Development Activation Key

Activation Keys > Development Activation Key > Add Host Collections

This organization has Simple Content Access enabled. Hosts are not required to have subscriptions attached to access repositories.

Details Repository Sets Host Collections Associations

List/Remove Add Filter Add Selected

1 of 4 Selected

	Name	Description	Capacity
<input checked="" type="checkbox"/>	Development Servers		0 / Unlimited
<input type="checkbox"/>	Physical Servers		0 / Unlimited
<input type="checkbox"/>	Production Servers		0 / Unlimited
<input type="checkbox"/>	QA Servers		0 / Unlimited

20 per page Showing 1 - 4 of 4 << < 1 of 1 > >>

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Activat +
Not secure https://satellite.aus.sparksoftcorp.io/activation_keys/1/host-collections?page=1&per_page=20&sortBy=name&sortOrder=ASC

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor

Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status

Lifecycle Lifecycle Environments Content Views Activation Keys

Content Types

Development Activation Key

Activation Keys > Development Activation Key > List Host Collections

This organization has Simple Content Access enabled. Hosts are not required to have subscriptions attached to access repositories.

Details Repository Sets Host Collections Associations

List/Remove Add Filter Remove Selected

0 of 1 Selected

Name	Description	Capacity
Development Servers		0 / Unlimited

20 per page Showing 1 - 1 of 1 1 of 1

Success
Added 1 host collections to activation key "Development Activation Key".

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Activat... +

Not secure https://satellite.aus.sparksoftcorp.io/activation_keys?page=1&per_page=20&sortBy=name&sortOrder=ASC

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Lifecycle Environments Content Views Activation Keys Content Types

Activation Keys

Filter... Search | Create Activation Key

Name	Host Limit	Environment	Content View
Development Activation Key	0 out of Unlimited	Development	RHEL9 Sparksoft EPEL9 CCV

20 per page Showing 1-1 of 1 1 of 1

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Activat +
Not secure https://satellite.aus.sparksoftcorp.io/activation_keys?page=1&per_page=20&sortBy=name&sortOrder=ASC

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Subscriptions Red Hat Repositories Products Content Credentials Alternate Content Sources Sync Plans Sync Status Lifecycle Lifecycle Environments Content Views Activation Keys Content Types

Activation Keys

Filter... Search | Create Activation Key

Name	Host Limit	Environment	Content View
Development Activation Key	0 out of Unlimited	Development	RHEL9 Sparksoft EPEL9 CCV
Physical Server Activation Key	0 out of Unlimited	Production	RHEL9 Sparksoft EPEL9 CCV
Production Activation Key	0 out of Unlimited	Production	RHEL9 Sparksoft EPEL9 CCV
QA Activation Key	0 out of Unlimited	Quality Assurance	RHEL9 Sparksoft EPEL9 CCV

20 per page Showing 1 - 4 of 4 1 of 1



Host Groups

**Configuration Management and
Provisioning**

Host Groups

- Host groups are logical groupings of hosts, but for configuration management and provisioning. Host collections, discussed earlier, are for grouping systems for administrative tasks. This is a side effect of using puppet for configuration management and katello for system management.
- Go to Configure/Host Groups



Sparksoft Corporation ▾

Austin ▾

Admin User ▾

Search and go

Monitor

Content

Hosts

Configure

Host Groups

Discovery Rules

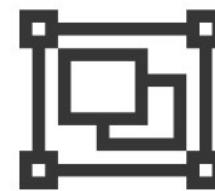
Global Parameters

Ansible

RH Cloud

Infrastructure

Administer



Host Groups

Host Groups allow hosts with common configuration to be defined and grouped together. Nested groups will inherit from their parent(s). This is then treated as a template and is selectable during the creation of a new host and ensures that the host is configured in one of your pre-defined states.

[Create Host Group](#)

Not secure <https://satellite.aus.sparksoftcorp.io/hostgroups/new>

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Host Groups > Create Host Group

Host Group Ansible Roles Network Operating System Parameters Locations Organizations Activation Keys

Name *

Description

Content Source

Lifecycle Environment

Content View

Deploy on

OpenSCAP Capsule

Submit Cancel

This screenshot shows the 'Create Host Group' page in the Red Hat Satellite web interface. The left sidebar contains navigation links for Monitor, Content, Hosts, Configure, Infrastructure, and Administer. The main content area is titled 'Host Groups > Create Host Group'. A tab bar at the top of the form includes 'Host Group' (which is selected), Ansible Roles, Network, Operating System, Parameters, Locations, Organizations, and Activation Keys. The 'Name' field is required, indicated by an asterisk (*). Other fields include 'Description', 'Content Source', 'Lifecycle Environment', 'Content View', 'Deploy on', and 'OpenSCAP Capsule'. At the bottom of the form are 'Submit' and 'Cancel' buttons.

Not secure <https://satellite.aus.sparksoftcorp.io/hostgroups/new>

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Host Groups > Create Host Group

Host Group Ansible Roles Network Operating System Parameters Locations Organizations Activation Keys

Name * Physical Servers Austin

Description

Content Source satellite.aus.sparksoftcorp.io

Lifecycle Environment Production

Content View RHEL9 Sparksoft EPEL9 CCV

Deploy on

OpenSCAP Capsule satellite.aus.sparksoftcorp.io

Submit Cancel

This screenshot shows the 'Create Host Group' page in the Red Hat Satellite interface. The left sidebar contains navigation links for Monitor, Content, Hosts, Configure, Infrastructure, and Administer. The main form is titled 'Create Host Group' and includes tabs for Host Group, Ansible Roles, Network, Operating System, Parameters, Locations, Organizations, and Activation Keys. The 'Host Group' tab is selected. The 'Name' field is populated with 'Physical Servers Austin'. Other fields include 'Content Source' set to 'satellite.aus.sparksoftcorp.io', 'Lifecycle Environment' set to 'Production', 'Content View' set to 'RHEL9 Sparksoft EPEL9 CCV', and 'OpenSCAP Capsule' set to 'satellite.aus.sparksoftcorp.io'. At the bottom are 'Submit' and 'Cancel' buttons.



Sparksoft Corporation

Any location



Admin User

 Search and go

Monitor >

Content >

Hosts >

Configure >

Infrastructure >

Administer >

Host Groups > Create Host Group

[Host Group](#) [Ansible Roles](#) [Network](#) [Operating System](#) [Parameters](#) [Locations](#) [Organizations](#) [Activation Keys](#)**Domain** aus.sparksoftcorp.io**IPv4 Subnet** Austin Subnet (172.31.100.0/24)**IPv6 Subnet** No subnets**Realm****Submit****Cancel**

Not secure <https://satellite.aus.sparksoftcorp.io/hostgroups/new>

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Host Groups > Create Host Group

Host Group Ansible Roles Network Operating System Parameters Locations Organizations Activation Keys

Architecture x86_64

Operating system RedHat 9.4

Media Selection Synced Content All Media
Select the installation media that will be used to provision this host. Choose 'Synced Content' for Synced Kickstart Repositories or 'All Media' for other media.

Synced Content Red_Hat_Enterprise_Linux_9_for_x86_64_-BaseOS_K...

Partition Table Kickstart default

PXE loader i PXELinux BIOS

Root Password Password must be 8 characters or more

Submit Cancel

This screenshot shows the 'Create Host Group' page in the Red Hat Satellite interface. The 'Operating System' tab is selected. The 'Architecture' field is set to 'x86_64'. The 'Operating system' field is set to 'RedHat 9.4'. Under 'Media Selection', 'Synced Content' is selected. A note below explains that 'Synced Content' refers to Synced Kickstart Repositories, while 'All Media' refers to other media types. The 'Synced Content' dropdown shows 'Red_Hat_Enterprise_Linux_9_for_x86_64_-BaseOS_K...'. The 'Partition Table' dropdown is set to 'Kickstart default'. The 'PXE loader' dropdown is set to 'PXELinux BIOS'. The 'Root Password' field contains several dots and has a validation message: 'Password must be 8 characters or more'. At the bottom, there are 'Submit' and 'Cancel' buttons.

Personal Sparksoft

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Host Groups > Create Host Group

Host Group Ansible Roles Network Operating System Parameters Locations Organizations Activation Keys

Locations

All items	Filter	Add (+)
Baltimore		
Columbus		
Dallas		
Houston		
Los Angeles		
New York City		
Phoenix		

Selected items	Remove (-)
Austin	

Submit Cancel

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Host Groups > Create Host Group

Host Group Ansible Roles Network Operating System Parameters Locations Organizations Activation Keys

Activation Keys

The value will be available in templates as @host.params['kt_activation_keys']

Physical Server Activation Key
Production Activation Key

Subscriptions information

Activation keys and subscriptions can be managed [here](#).
Activation keys may be used during [system registration](#).

Reload data

Submit Cancel

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Host G +

Not secure https://satellite.aus.sparksoftcorp.io/hostgroups

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Monitor Content Hosts Configure Host Groups Discovery Rules Global Parameters Ansible RH Cloud Infrastructure Administer

Host Groups

Search → ↻ ↺ 1 of 1

Export Create Host Group Help

Successfully created Physical Servers Austin.

Name	Hosts	Hosts including Sub-groups	Actions
Physical Servers Austin	0	0	Nest ▾

1-1 of 1 items ▾

Red Hat Satellite - Edit Development VMs Dallas - Google Chrome

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Edit De +

Not secure https://satellite.aus.sparksoftcorp.io/hostgroups/10-Development%20VMs%20Dallas/edit

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Host Groups > Edit Development VMs Dallas

Host Group Ansible Roles Network Operating System Parameters Locations Organizations Activation Keys

Parent (dropdown)

Name * Development VMs Dallas

Description (dropdown)

Content Source satellite.aus.sparksoftcorp.io

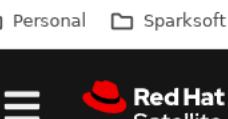
Lifecycle Environment Development

Content View RHEL9 Sparksoft EPEL9 CCV

Deploy on hv.dfw.sparksoftcorp.io (Libvirt)

OpenSCAP Capsule satellite.aus.sparksoftcorp.io

Monitor Content Hosts Configure Infrastructure Administer



Sparksoft Corporation

Any location

Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Host Groups > Create Host Group

Host Group Ansible Roles Network Operating System Parameters Locations Organizations Activation Keys

Domain dfw.sparksoftcorp.io

IPv4 Subnet Dallas Subnet (172.31.101.0/24)

IPv6 Subnet No subnets

Realm

Submit

Cancel



Sparksoft Corporation

Any location



Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Host Groups > Create Host Group

Host Group Ansible Roles Network Operating System Parameters Locations Organizations Activation Keys

Locations

All items Filter +

- Austin
- Baltimore
- Columbus
- Houston
- Los Angeles
- New York City
- Phoenix

Selected items -

Dallas



Submit

Cancel



Sparksoft Corporation

Any location



Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Host Groups > Create Host Group

Host Group Ansible Roles Network Operating System Parameters Locations Organizations Activation Keys

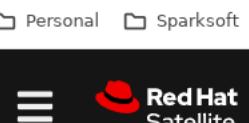
Activation Keys

Development Activation Key

The value will be available in templates as @host.params['kt_activation_keys']

Subscriptions information based on selected activation keys:

Activation keys and subscriptions can be managed [here](#).Activation keys may be used during [system registration](#).[Reload data](#)[Submit](#)[Cancel](#)



Sparksoft Corporation

Any location

Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Host Groups > Create Host Group

Host Group

Ansible Roles

Network

Operating System

Parameters

Locations

Organizations

Activation Keys

Parent

Name *

Description

Content Source

Lifecycle Environment

Content View

Deploy on

OpenSCAP Capsule

Submit

Cancel



Sparksoft Corporation

Any location



Admin User

Search and go

Monitor >

Content >

Hosts >

Configure >

Infrastructure >

Administer >

Host Groups > Create Host Group

Host Group Ansible Roles Network Operating System Parameters Locations Organizations Activation Keys

Domain dfw.sparksoftcorp.io

IPv4 Subnet Dallas Subnet (172.31.101.0/24)

IPv6 Subnet No subnets

Realm

Submit

Cancel



Sparksoft Corporation

Any location



Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Host Groups > Create Host Group

Host Group Ansible Roles Network Operating System Parameters Locations Organizations Activation Keys

Locations

All items Filter +

- Austin
- Baltimore
- Columbus
- Houston
- Los Angeles
- New York City
- Phoenix

Selected items -

Dallas

Submit

Cancel



Sparksoft Corporation

Any location



Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Host Groups > Create Host Group

Host Group Ansible Roles Network Operating System Parameters Locations Organizations Activation Keys

Activation Keys

QA Activation Key

The value will be available in templates as @host.params['kt_activation_keys']

Subscriptions information based on selected activation keys:

Activation keys and subscriptions can be managed [here](#).Activation keys may be used during [system registration](#).[Reload data](#)[Submit](#)[Cancel](#)



Sparksoft Corporation

Any location



Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Host Groups > Create Host Group

Host Group

Ansible Roles

Network

Operating System

Parameters

Locations

Organizations

Activation Keys

Parent

Name *

Description

Content Source

Lifecycle Environment

Content View

Deploy on

OpenSCAP Capsule

Submit

Cancel



Sparksoft Corporation

Any location



Admin User

Search and go

Monitor >

Content >

Hosts >

Configure >

Infrastructure >

Administer >

Host Groups > Create Host Group

Host Group Ansible Roles Network Operating System Parameters Locations Organizations Activation Keys

Domain dfw.sparksoftcorp.io

IPv4 Subnet Dallas Subnet (172.31.101.0/24)

IPv6 Subnet No subnets

Realm

Submit

Cancel

Red Hat Satellite - Create | Red Hat Satellite - Subnet | Red Hat Satellite - Create +

Not secure https://satellite.aus.sparksoftcorp.io/hostgroups/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Host Groups > Create Host Group

Host Group Ansible Roles Network Operating System Parameters Locations Organizations Activation Keys

Activation Keys

The value will be available in templates as @host.params['kt_activation_keys']

Physical Server Activation Key

Production Activation Key

Subscriptions information

Activation keys and subscriptions can be managed [here](#).

Activation keys may be used during [system registration](#).

Reload data

Submit Cancel

https://satellite.aus.sparksoftcorp.io/hostgroups/new#

Personal Sparksoft

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Monitor Content Hosts Configure Host Groups Discovery Rules Global Parameters Ansible RH Cloud Infrastructure Administer

Host Groups

Search Actions

Name	Hosts	Hosts including Sub-groups	Actions
Development VMs Baltimore	0	0	Nest
Development VMs Columbus	0	0	Nest
Development VMs Dallas	0	0	Nest
Development VMs Houston	0	0	Nest
Development VMs Los Angeles	0	0	Nest
Development VMs New York	0	0	Nest
Development VMs Phoenix	0	0	Nest
Development VMs Washington DC	0	0	Nest
Physical Servers Austin	0	0	Nest
Physical Servers Baltimore	0	0	Nest
Physical Servers Columbus	0	0	Nest
Physical Servers Dallas	0	0	Nest
Physical Servers Houston	0	0	Nest
Physical Servers Los Angeles	0	0	Nest
Physical Servers New York City	0	0	Nest
Physical Servers Phoenix	0	0	Nest
Physical Servers Washington DC	0	0	Nest
Production VMs Baltimore	0	0	Nest

Personal Sparksoft

Red Hat Satellite

Sparksoft Corporation Any location

Admin User

Search and go

Monitor

Content

Hosts

Configure

Host Groups

Discovery Rules

Global Parameters

Ansible

RH Cloud

Infrastructure

Administrator

Host Group	Count	Count	Action
Physical Servers Houston	0	0	Nest ▾
Physical Servers Los Angeles	0	0	Nest ▾
Physical Servers New York City	0	0	Nest ▾
Physical Servers Phoenix	0	0	Nest ▾
Physical Servers Washington DC	0	0	Nest ▾
Production VMs Baltimore	0	0	Nest ▾
Production VMs Columbus	0	0	Nest ▾
Production VMs Dallas	0	0	Nest ▾
Production VMs Houston	0	0	Nest ▾
Production VMs Los Angeles	0	0	Nest ▾
Production VMs Phoenix	0	0	Nest ▾
Production VMs Washington DC	0	0	Nest ▾
QA VMs Baltimore	0	0	Nest ▾
QA VMs Columbus	0	0	Nest ▾
QA VMs Dallas	0	0	Nest ▾
QA VMs Houston	0	0	Nest ▾
QA VMs Los Angeles	0	0	Nest ▾
QA VMs New York	0	0	Nest ▾
QA VMs Phoenix	0	0	Nest ▾
QA VMs Washington DC	0	0	Nest ▾

1 - 32 of 32 items ▾

<< < 1 of 1 > >>



Register Systems

**First, we'll register the existing systems
to the Satellite server**

Register Systems

- We want to register the existing systems to the new Satellite server.
- In our case, we'll register servers in Austin and Dallas
- Go to Hosts/Register Host



Search and go

- Monitor
- Content
- Hosts
 - All Hosts
 - Discovered Hosts
 - Create Host
 - Content Hosts
 - Host Collections
- Register Host
- Provisioning Setup
- Templates
- Compliance
- Configure
- Infrastructure
- Administer

Register Host

[Documentation](#)[General](#) Advanced

Organization ②	Sparksoft Corporation
Location ②	Austin
Host group	
Operating system ②	
Capsule ②	Nothing to select.
<input type="checkbox"/> Insecure ②	
Activation Keys * ②	

[Generate](#)[Cancel](#)

Search and go

- Monitor
- Content
- Hosts
 - All Hosts
 - Discovered Hosts
 - Create Host
 - Content Hosts
 - Host Collections
- Register Host
- Provisioning Setup
- Templates
- Compliance
- Configure
- Infrastructure
- Administer

Register Host

General Advanced

Organization ②

Sparksoft Corporation

Location ②

Austin

Host group

Operating system ②

Capsule ②

Activation Keys * ②

Physical Servers Austin

Physical Servers Baltimore

Physical Servers Columbus

Physical Servers Dallas

Physical Servers Houston

Physical Servers Los Angeles

Physical Servers New York City

Physical Servers Phoenix

Physical Servers Washington DC

Production VMs Austin

Documentation

Not secure <https://satellite.aus.sparksoftcorp.io/hosts/register>

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts All Hosts Discovered Hosts Create Host Content Hosts Host Collections Register Host Provisioning Setup Templates Compliance Configure Infrastructure Administer

General Advanced

Organization: Sparksoft Corporation

Location: Austin

Host group: Physical Servers Austin

Operating system: Host group OS: RedHat 9.4
Initial configuration template: [Linux host_init_config default](#)

Capsule: Nothing to select.

Insecure

Activation Keys *:

- Development Activation Key (Development)
- Physical Server Activation Key (Production)
- Production Activation Key (Production)
- QA Activation Key (Quality Assurance)
- Test Production AK (Production)

Red Hat Satellite - Register Host - Google Chrome

Not secure https://satellite.aus.sparksoftcorp.io/hosts/register

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go Documentation

Monitor Content Hosts All Hosts Discovered Hosts Create Host Content Hosts Host Collections Register Host Provisioning Setup Templates Compliance Configure Infrastructure Administer

Register Host

General Advanced

Organization: Sparksoft Corporation

Location: Austin

Host group: Physical Servers Austin

Operating system: RedHat 9.4

Initial configuration template: [Linux host_init_config default](#)

Capsule: Nothing to select.

Insecure

Activation Keys *: Physical Server Activat... [X](#) [✓](#) [▼](#)

From host group: Physical Server Activation Key

Generate Cancel

Not secure <https://satellite.aus.sparksoftcorp.io/hosts/register>

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

General Advanced

Setup REX ⓘ Inherit from host parameter (yes)

Setup Insights ⓘ Inherit from host parameter (yes)

Install packages ⓘ
 Update packages ⓘ

Repository ⓘ

Repository GPG key URL ⓘ

Token life time ⓘ 4 hours unlimited

Remote Execution Interface

REX pull mode ⓘ Inherit from host parameter (no)
 Ignore errors ⓘ
 Force ⓘ

Generate Cancel

Monitor Content Hosts All Hosts Discovered Hosts Create Host Content Hosts Host Collections Register Host Provisioning Setup Templates Compliance Configure Infrastructure Administer

Search and go

- Monitor
- Content
- Hosts
 - All Hosts
 - Discovered Hosts
 - Create Host
 - Content Hosts
 - Host Collections
- Register Host
- Provisioning Setup
- Templates
- Compliance
- Configure
- Infrastructure
- Administer

Install packages

 Update packages

Repository

Repository GPG key URL

Token life time

 4 hours unlimited

Remote Execution Interface

REX pull mode

 Inherit from host parameter (no) Ignore errors Force

Generate

Cancel

Registration command

 set -o pipefail && curl -sS --insecure 'https://satellite.aus.sparksoftcorp.io/register?activation_keys=Physical+Server+Activation+Key&force=true&ho...

```
set -o pipefail && curl -sS --insecure 'https://satellite.aus.sparksoftcorp.io/register?activation_keys=Physical+Server+Activation+Key&force=true&hostgroup_id=1&ignore_subman_errors=true&location_id=260' E3MTQ4MDkwNjQsImp0aSI6I JhbCByZWdpC3RyYXRpb24jaG9zdCJ9.KqgePYktGbHuRLaV8DhitCLKI9MyFCb2M4FjwFiwt-o' | bash
```

```
> Terminal - root@wintermute:~  
File Edit View Terminal Tabs Help  
[thomas.cameron@case Desktop]$ ssh root@wintermute  
X11 forwarding request failed on channel 0  
Web console: https://wintermute.aus.sparksoftcorp.io:9090/ or https://24.28.77.1  
40:9090/  
  
Last login: Sat May  4 02:26:22 2024 from 172.31.100.4  
[root@wintermute ~]# set -o pipefail && curl -sS --insecure 'https://satellite.a  
us.sparksoftcorp.io/register?activation_keys=Physical+Server+Activation+Key&forc  
e=true&hostgroup_id=1&ignore_subman_errors=true&location_id=2&operatingsystem_id  
=3&organization_id=1&update_packages=false' -H 'Authorization: Bearer eyJhbGciOi  
JIUzI1NiJ9.eyJ1c2VyX2lkIjo0LCJpYXQiOjE3MTQ4MDkwNjQsImp0aSI6IiliYzIxMTB1Y2IzZmFjN  
GI2MGM0ZGYxYjg4MzA0.eyJzdWIiOiJsb2dpbiIsInNjb3BlIjoiY2xpZW50LWJvb3RvLWJvb3RvL  
TQ4MjM0NjQsInNjb3BlIi.eyJzdWIiOiJsb2dpbiIsInNjb3BlIjoiY2xpZW50LWJvb3RvLWJvb3RvL  
PYktGbHuRLaV8DhitClKI9MyFCb2M4FjwFiwt-o' | bash
```

```
Terminal - root@wintermute:~  
File Edit View Terminal Tabs Help  
Updating Subscription Management repositories.  
Red Hat Enterprise Linux 9 for x86_64 - BaseOS 29 kB/s | 4.1 kB 00:00  
Red Hat Ansible Automation Platform 2.4 for RHE 8.1 MB/s | 3.1 MB 00:00  
Sparksoft Repo 41 kB/s | 1.5 kB 00:00  
Red Hat Satellite Client 6 for RHEL 9 x86_64 (R 55 kB/s | 3.8 kB 00:00  
Red Hat CodeReady Linux Builder for RHEL 9 x86_ 71 kB/s | 4.5 kB 00:00  
Red Hat Enterprise Linux 9 for x86_64 - AppStre 43 kB/s | 4.5 kB 00:00  
Package insights-client-3.2.2-2.el9.noarch is already installed.  
Dependencies resolved.  
Nothing to do.  
Complete!  
Successfully registered host wintermute.aus.sparksoftcorp.io  
Automatic scheduling for Insights has been enabled.  
Starting to collect Insights data for wintermute.aus.sparksoftcorp.io  
Writing RHSM facts to /etc/rhsm/facts/insights-client.facts ...  
Uploading Insights data.  
Successfully uploaded report from wintermute.aus.sparksoftcorp.io to account 25  
6.  
View the Red Hat Insights console at https://console.redhat.com/insights/  
Refreshing subscription data  
All local data refreshed  
Host [wintermute.aus.sparksoftcorp.io] successfully configured.  
Successfully updated the system facts.  
[root@wintermute ~]#
```

Terminal - root@wintermute:~

File Edit View Terminal Tabs Help

```
[root@wintermute ~]# dnf repolist
Updating Subscription Management repositories.
repo id                                repo name
Sparksoft_Corporation_EPEL_9_EPEL_9_Repository    EPEL 9 Repository
Sparksoft_Corporation_Sparksoft_Sparksoft_Repo      Sparksoft Repo
ansible-automation-platform-2.4-for-rhel-9-x86_64-rpms Red Hat Ansible Automation Platform 2.4 for RHEL 9 x86_64 (RPMS)
codeready-builder-for-rhel-9-x86_64-rpms          Red Hat CodeReady Linux Builder for RHEL 9 x86_64 (RPMS)
rhel-9-for-x86_64-appstream-rpms                  Red Hat Enterprise Linux
9 for x86_64 - AppStream (RPMS)
rhel-9-for-x86_64-baseos-rpms                     Red Hat Enterprise Linux
9 for x86_64 - BaseOS (RPMS)
satellite-client-6-for-rhel-9-x86_64-rpms        Red Hat Satellite Client
6 for RHEL 9 x86_64 (RPMS)
[root@wintermute ~]#
```

Red Hat Satellite - Hosts +

Not secure https://satellite.aus.sparksoftcorp.io/hosts

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Monitor Content Hosts All Hosts Discovered Hosts Create Host Content Hosts Host Collections Register Host Provisioning Setup Templates Compliance Configure

Hosts

Search → Manage columns Select Action Export Register Host Create Host

O of 11 selected

	Power	Recommend...	Name	OS	Owner	Host group	Boot time	Last report	Com...	Actions
<input type="checkbox"/>	OFF		✗ armitage.aus.sparksoftcorp.io	RedHat 9.4	Anon...	Physical Servers A...	2 days ago			<button>Edit</button>
<input type="checkbox"/>	OFF		✗ case.aus.sparksoftcorp.io	RedHat 9.4	Anon...	Physical Servers A...	7 hours ago			<button>Edit</button>
<input type="checkbox"/>	OFF		✗ dixie-flatline.aus.sparksoftcor...	RedHat 9.4	Anon...	Physical Servers A...	7 hours ago			<button>Edit</button>
<input type="checkbox"/>	OFF		✗ hideo.aus.sparksoftcorp.io	RedHat 9.4	Anon...	Physical Servers A...	6 hours ago			<button>Edit</button>
<input type="checkbox"/>	OFF		✗ lady3jane.aus.sparksoftcorp.io	RedHat 9.4	Anon...	Physical Servers A...	6 hours ago			<button>Edit</button>
<input type="checkbox"/>	OFF		✗ molly.aus.sparksoftcorp.io	RedHat 9.4	Anon...	Physical Servers A...	2 days ago			<button>Edit</button>
<input type="checkbox"/>	OFF		✗ neuromancer.aus.sparksoftcor...	RedHat 9.4	Anon...	Physical Servers A...	2 days ago			<button>Edit</button>
<input type="checkbox"/>	OFF		✗ p16s.aus.sparksoftcorp.io	RedHat 9.4	Anon...	Physical Servers A...	52 minutes...			<button>Edit</button>
<input type="checkbox"/>	OFF		✗ riviera.aus.sparksoftcorp.io	RedHat 9.4	Anon...	Physical Servers A...	6 hours ago			<button>Edit</button>
<input type="checkbox"/>	OFF		✓ satellite.aus.sparksoftcorp.io	RHEL 8.9				3 days ago		<button>Edit</button>
<input type="checkbox"/>	OFF		✗ wintermute.aus.sparksoftcorp.io	RedHat 9.4	Anon...	Physical Servers A...	2 days ago			<button>Edit</button>

1 - 11 of 11 items 1 of 1

NOTE!

- Existing systems which are registered using this process are NOT added to DNS. Edit the `/var/named/dynamic/db.[zone]` and `/var/named/dynamic/db.[reverse-zone]`.

Terminal - root@satellite:~

```
$TTL 10800
@ IN SOA satellite.aus.sparksoftcorp.io. root.aus.sparksoftcorp.io. (
    1           ;Serial
    86400       ;Refresh
    3600        ;Retry
    604800      ;Expire
    3600        ;Negative caching TTL
)

@ IN NS satellite.aus.sparksoftcorp.io.
satellite.aus.sparksoftcorp.io. IN A 192.168.122.15
satellite.aus.sparksoftcorp.io. IN AAAA fe80::5054:ff:fe0c:eb30
~
~
~
~
~
~
~
~
~
~/var/named/dynamic/db.aus.sparksoftcorp.io" 12L, 324C
```

Terminal - root@satellite:~

```
$TTL 10800
@ IN SOA satellite.aus.sparksoftcorp.io. root.aus.sparksoftcorp.io. (
    1           ;Serial
    86400       ;Refresh
    3600        ;Retry
    604800      ;Expire
    3600        ;Negative caching TTL
)

@ IN NS satellite.aus.sparksoftcorp.io.
satellite.aus.sparksoftcorp.io. IN A 192.168.122.15
satellite.aus.sparksoftcorp.io. IN AAAA fe80::5054:ff:fe0c:eb30
regtest A      192.168.122.128
~  
~  
~  
~  
~  
~  
~  
~  
-- INSERT --
```

Terminal - root@satellite:~

```
$TTL 10800
@ IN SOA satellite.aus.sparksoftcorp.io. root.122.168.192.in-addr.arpa. (
    1           ;Serial
    86400       ;Refresh
    3600        ;Retry
    604800      ;Expire
    3600        ;Negative caching TTL
)

@ IN NS satellite.aus.sparksoftcorp.io.
15      PTR      satellite.aus.sparksoftcorp.io.

-- INSERT --
```

Terminal - root@satellite:~

```
$TTL 10800
@ IN SOA satellite.aus.sparksoftcorp.io. root.122.168.192.in-addr.arpa. (
    1           ;Serial
    86400       ;Refresh
    3600        ;Retry
    604800      ;Expire
    3600        ;Negative caching TTL
)

@ IN NS satellite.aus.sparksoftcorp.io.
15      PTR      satellite.aus.sparksoftcorp.io.
128     PTR      regtest.aus.sparksoftcorp.io.■
~
~
~
~
~
~
~
~
-- INSERT --
```

Terminal - root@satellite:~

```
[root@satellite ~]# vi /var/named/dynamic/db.aus.sparksoftcorp.io
[root@satellite ~]# vi /var/named/dynamic/db.122.168.192.in-addr.arpa
[root@satellite ~]# systemctl restart named
[root@satellite ~]# host regtest
regtest.aus.sparksoftcorp.io has address 192.168.122.128
[root@satellite ~]# host 192.168.122.128
128.122.168.192.in-addr.arpa domain name pointer regtest.aus.sparksoftcorp.io.
[root@satellite ~]#
```

NOTE!

- Existing systems which are registered using this process are NOT added to DHCP reservations. Edit the /etc/dhcpd/dhcpd.hosts to add them.

```
>-
Terminal - root@satellite:~
File Edit View Terminal Tabs Help
[root@satellite ~]# cat /var/lib/dhcpd/dhcpd.leases
# The format of this file is documented in the dhcpcd.leases(5) manual page.
# This lease file was written by isc-dhcp-4.3.6

# authoring-byte-order entry is generated, DO NOT DELETE
authoring-byte-order little-endian;

lease 192.168.122.128 {
    starts 1 2024/05/06 16:36:09;
    ends 2 2024/05/07 04:36:09;
    cltt 1 2024/05/06 16:36:09;
    binding state active;
    next binding state free;
    rewind binding state free;
    hardware ethernet 52:54:00:86:2c:d8;
    uid "\001RT\000\206,\330";
    set vendor-class-identifier = "anaconda-Linux";
    set vendor-string = "anaconda-Linux";
}
[root@satellite ~]#
```

Terminal - root@satellite:~

File Edit View Terminal Tabs Help

```
[root@satellite ~]# vi /etc/dhcp/dhcpd.hosts
```

Terminal - root@satellite:~

File Edit View Terminal Tabs Help

```
# static DHCP hosts
```

-- INSERT --

Terminal - root@satellite:~

```
# static DHCP hosts
host regtest {
    hardware ethernet 52:54:00:86:2c:d8;
    fixed-address 192.168.122.128;
}

-- INSERT --
```

Terminal - root@satellite:~

```
[root@satellite ~]# vi /etc/dhcp/dhcpd.hosts
[root@satellite ~]# systemctl restart dhcpcd
[root@satellite ~]#
```



Kickstart Systems

We'll do one physical system and one VM

Kickstart Systems

- Let's go through a “physical” server first (in this case I'm using a VM but setting it up to boot off the network to emulate a physical machine)
- Get the MAC address of the server and add it in Hosts/Create host

Red Hat Satellite - Create + Not secure https://satellite.aus.sparksoftcorp.io/hosts/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

All Hosts > Create Host | test-kickstart

Host Ansible Roles Operating System Interfaces Parameters Additional Information

Name * This value is used also as the host's primary interface name.

Organization *

Location *

Host Group

Deploy On inherit

Content Source

Lifecycle Environment

Content View

OpenSCAP Capsule inherit

Monitor Content Hosts Create Host Content Hosts Host Collections Register Host Provisioning Setup Templates Compliance Configure



Sparksoft Corporation ▾

Austin ▾



Admin User ▾

Search and go

Monitor

Content

Hosts

All Hosts

Discovered Hosts

Create Host

Content Hosts

Host Collections

Register Host

Provisioning Setup ▾

Templates ▾

Compliance ▾

Configure ▾

All Hosts > Create Host | test-kickstart

Host

Ansible Roles

Operating System

Interfaces

Parameters

Additional Information

Name *

This value is used also as the host's primary interface name.

Organization * Location * Host Group Deploy On inheritContent Source Lifecycle Environment Content View OpenSCAP Capsule inherit

Submit

Cancel



Sparksoft Corporation

Austin



Admin User

Search and go

Monitor

Content

Hosts

All Hosts

Discovered Hosts

Create Host

Content Hosts

Host Collections

Register Host

Provisioning Setup

Templates

Compliance

Configure

All Hosts > Create Host | test-kickstart

Host Ansible Roles Operating System Interfaces Parameters Additional Information

Architecture * x86_64

Operating system * RedHat 9.4

Build Mode Enable this host for provisioningMedia Selection Synced Content All Media

Select the installation media that will be used to provision this host. Choose 'Synced Content' for Synced Kickstart Repositories or 'All Media' for other media.

Synced Content Red_Hat_Enterprise_Linux_9_for_x86_64_-_BaseOS_K...

Partition Table * Kickstart default

PXE loader ⓘ PXELinux BIOS

Custom Partition Table

Personal Sparksoft

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Monitor Content Hosts All Hosts Discovered Hosts Create Host Content Hosts Host Collections Register Host Provisioning Setup Templates Compliance Configure

Build Mode Enable this host for provisioning

Media Selection Synced Content All Media
Select the installation media that will be used to provision this host. Choose 'Synced Content' for Synced Kickstart Repositories or 'All Media' for other media.

Synced Content Red_Hat_Enterprise_Linux_9_for_x86_64_-_BaseOS_K...

Partition Table * Kickstart default

PXE loader i PXELinux BIOS

Custom Partition Table

What ever text(or ERB template) you use in here, would be used as your OS disk layout options If you want to use the partition table option, delete all of the text from this field

Root Password * ***** Password must be 8 characters or more. The password is currently set by hostgroup.

Provisioning Templates Resolve
Display the templates that will be used to provision this host

Submit Cancel



Sparksoft Corporation ▾

Austin ▾



Admin User ▾

Search and go

Monitor >

Content >

Hosts >

All Hosts

Discovered Hosts

Create Host

Content Hosts

Host Collections

Register Host

Provisioning Setup >

Templates >

Compliance >

Configure >

Root Password *

Password must be 8 characters or more. The password is currently set by hostgroup.

Provisioning Templates



Display the templates that will be used to provision this host

Templates resolved for this operating system

PXEGrub template [Kickstart default PXEGrub](#)PXEGrub2 template [Kickstart default PXEGrub2](#)PXELinux template [Kickstart default PXELinux](#)Finish template [Kickstart default finish](#)Host initial configuration template [Linux host_init_config default](#)iPXE template [Kickstart default iPXE](#)Discovery Kexec [Discovery Red Hat kexec](#)Provisioning template [Kickstart default](#)User data template [Kickstart default user data](#)

Submit

Cancel



Sparksoft Corporation ▾

Austin ▾



Admin User ▾

Search and go

Monitor >

Content >

Hosts ▾

All Hosts

Discovered Hosts

Create Host

Content Hosts

Host Collections

Register Host

Provisioning Setup >

Templates >

Compliance >

Configure >

All Hosts > Create Host | test-kickstart

Host Ansible Roles Operating System Interfaces Parameters Additional Information

		Identifier	Type	MAC Address	IPv4 Address	IPv6 Address	FQDN	Actions
			Interface physical		192.168.122.207		test-kickstart.aus.sparksoftcorp.io	<button>Edit</button> <button>Delete</button>

+ Add Interface

Personal Sparksoft

Red Hat Satellite Sparksoft Corporation Admin User

Search and go

Monitor Content Hosts All Hosts Discovered Hosts Create Host Content Hosts Host Collections Register Host Provisioning Setup Templates Compliance Configure

All Hosts > Create Host

Host Ansible

+ Add Interface

Interface

Type: Interface

MAC Address:

Device Identifier:

DNS Name: test-kickstart

Domain: aus.sparksoftcorp.io

IPv4 Subnet: Austin Subnet (192.168.122.0/24)

IPv6 Subnet: No subnets

IPv4 Address: 192.168.122.207
Suggest new

IPv6 Address:

Managed:

Primary:

Provision:

Remote execution:

Virtual NIC:

Actions

start.aus.sparksoftcorp.io Edit Delete

Red Hat Satellite

Sparksoft Corporation

Admin User

Interface

Type: Interface

MAC Address: 52:54:00:d2:65:21

Device Identifier:

DNS Name: test-kickstart

Domain: aus.sparksoftcorp.io

IPv4 Subnet: Austin Subnet (192.168.122.0/24)

IPv6 Subnet: No subnets

IPv4 Address: 192.168.122.207

Suggest new

IPv6 Address:

Managed:

Primary:

Provision:

Remote execution:

Virtual NIC:

All Hosts > Create Host

Actions

start.aus.sparksoftcorp.io

Edit Delete



Sparksoft Corporation ▾

Austin ▾



Admin User ▾

Search and go

- Monitor
- Content
- Hosts
 - All Hosts
 - Discovered Hosts
 - Create Host**
 - Content Hosts
 - Host Collections
 - Register Host
- Provisioning Setup ▾
- Templates ▾
- Compliance ▾
- Configure ▾

[All Hosts](#) > Create Host | test-kickstart.aus.sparksoftcorp.io

Host	Ansible Roles	Operating System	Interfaces	Parameters	Additional Information		
			Identifier Interface physical	MAC Address 52:54:00:d2:65:21	IPv4 Address 192.168.122.131	IPv6 Address FQDN test-kickstart.aus.sparksoftcorp.io	
+ Add Interface						Edit Delete	

[Submit](#) [Cancel](#)

Red Hat Satellite - test-kickstart.aus.sparksoftcorp.io x +

Not secure https://satellite.aus.sparksoftcorp.io/new/hosts/test-kickstart.aus.sparksoftcorp.io#/Overview

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Austin Admin User

Search and go

Hosts > test-kickstart.aus.sparksoftcorp.io

test-kickstart.aus.sparksoftcorp.io

Created 1 second ago by Admin User (updated 1 second ago)

Schedule a job Edit

Overview Details Parameters Ansible Reports Insights

Host status: All statuses OK

Details: IPv6 address Not available, IPv4 address 192.168.122.131, MAC address 52:54:00:d2:65:21, Host group Physical Servers

Recent jobs: No results found

Recent communication: Last configuration Never

Total risks: 0

Recent audits: All audits

Configure

V test-kickstart on QEMU/KVM: localhost

File Virtual Machine View Send Key

SeaBIOS (version 1.16.3-2.el9)
Machine UUID 8e526823-7659-4bfd-ada5-1fc4aa0b2a0a

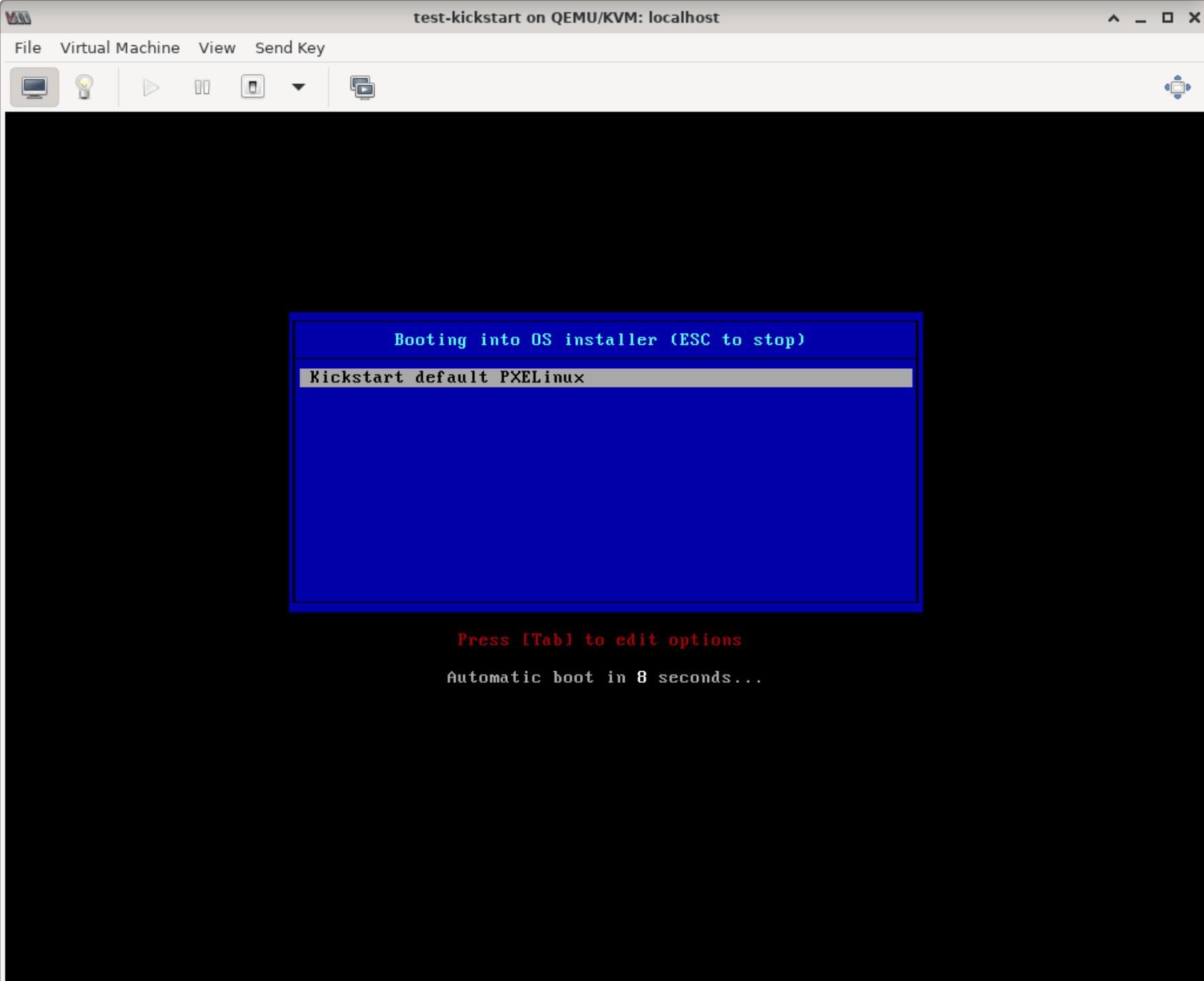
IPXE (<http://ipxe.org>) 01:00.0 CA00 PCI2.10 PnP PMM+7EFCC3E0+7EF0C3E0 CA00

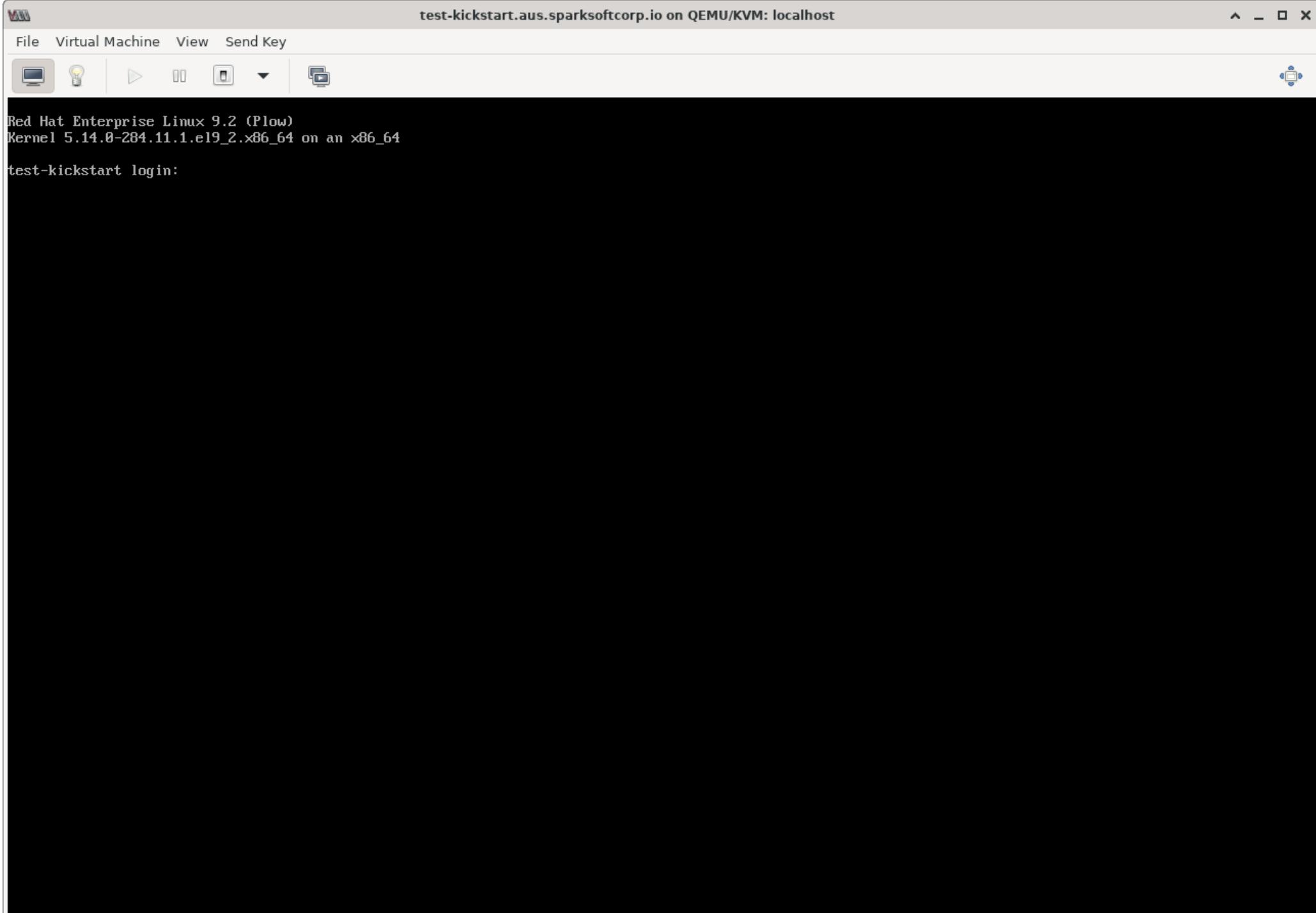
Booting from Hard Disk...
Boot failed: not a bootable disk

Booting from ROM...
IPXE (PCI 01:00.0) starting execution...ok
IPXE initialising devices...ok

IPXE 1.0.0+ (4bd064de) -- Open Source Network Boot Firmware -- <http://ipxe.org>
Features: DNS HTTP HTTPS iSCSI TFTP VLAN AoE ELF MBOOT PXE bzImage Menu PXEXT

net0: 52:54:00:d2:65:21 using virtio-net on 0000:01:00.0 (open)
[Link:up, TX:0 RX:0 RXE:0]
Configuring (net0 52:54:00:d2:65:21).





Kickstart Systems

- Now I'll boot a vm on a local hyervisor and show how that works.

Red Hat Satellite - Hosts +

Not secure https://satellite.aus.sparksoftcorp.io/hosts

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

Hosts

Search Manage columns Select Action Export Register Host Create Host

0 of 2 selected

	Power	Recommend...	Name	OS	Owner	Host group	Boot time	Last report	Com...	Actions
<input type="checkbox"/>			satellite.aus.sparksoftcorp.io	RHEL 8.9			1 day ago			<button>Edit</button>
<input type="checkbox"/>			test-kickstart.aus.sparksoftcor...	RedHat 9.3	Anon...	Production VMs A...	56 minute...			<button>Edit</button>

1 - 2 of 2 items 1 of 1

All Hosts Discovered Hosts Create Host Content Hosts Host Collections Register Host Provisioning Setup Templates Compliance Configure

Red Hat Satellite - Create + Not secure https://satellite.aus.sparksoftcorp.io/hosts/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

All Hosts > Create Host

Host Ansible Roles Operating System Interfaces Parameters Additional Information

Name * lucas-mclure This value is used also as the host's primary interface name.

Organization *

Location *

Host Group

Deploy On Bare Metal inherit

Content Source

Lifecycle Environment

Content View

OpenSCAP Capsule i inherit

Monitor Content Hosts Create Host Content Hosts Host Collections Register Host Provisioning Setup Templates Compliance Configure

Red Hat Satellite - Create + Not secure https://satellite.aus.sparksoftcorp.io/hosts/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Any organization Any location Admin User

Search and go

All Hosts > Create Host

Host Ansible Roles Operating System Interfaces Parameters Additional Information

Name * lucas-mclure This value is used also as the host's primary interface name.

Organization * Sparksoft Corporation

Location * Austin

Host Group

Deploy On

Content Source Production VMs Austin

Lifecycle Environment

Content View

OpenSCAP Capsule inherit

Monitor Content Hosts Create Host Content Hosts Host Collections Register Host Provisioning Setup Templates Compliance Configure

Red Hat Satellite - Create +

Not secure https://satellite.aus.sparksoftcorp.io/hosts/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

All Hosts > Create Host | lucas-mclure

Host	Ansible Roles	Virtual Machine	Operating System	Interfaces	Parameters	Additional Information	
Name *	lucas-mclure	This value is used also as the host's primary interface name.					
Organization *	Sparksoft Corporation						
Location *	Austin						
Host Group	Production VMs Austin						
Deploy On	p16s (Libvirt)	inherit					
Compute profile	1-Small	inherit					
Content Source	satellite.aus.sparksoftcorp.io						
Lifecycle Environment	Production						
Content View	RHEL9 Sparksoft EPEL9 CCV						
OpenSCAP Capsule ⓘ	satellite.aus.sparksoftcorp.io	inherit					

Monitor Content Hosts Create Host Content Hosts Host Collections Register Host Provisioning Setup Templates Compliance Configure



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Search and go

- Monitor
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- Create Host
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- Register Host
- Provisioning Setup
- Templates
- Compliance
- Configure

All Hosts > Create Host | lucas-mclure

Host	Ansible Roles	Virtual Machine	Operating System	Interfaces	Parameters	Additional Information
------	---------------	-----------------	------------------	------------	------------	------------------------

CPU mode: host-passthrough

Memory: 2048 MB

Start: Power ON this machine

Storage

Storage pool: default

Size (GB): 20G

Allocation (GB): 20G

None Size Full

Type: QCOW2

+ Add Volume

Personal Sparksoft

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

All Hosts > Create Host | lucas-mclure

Host	Ansible Roles	Virtual Machine	Operating System	Interfaces	Parameters	Additional Information
Architecture *	x86_64					
Operating system *	RedHat 9.4					
Provisioning Method *	<input type="radio"/> Boot disk based <input checked="" type="radio"/> Network Based <input type="radio"/> Image Based					
Build Mode	<input checked="" type="checkbox"/> Enable this host for provisioning					
Media Selection	<input checked="" type="radio"/> Synced Content <input type="radio"/> All Media					
	Select the installation media that will be used to provision this host. Choose 'Synced Content' for Synced Kickstart Repositories or 'All Media' for other media.					
Synced Content	Red_Hat_Enterprise_Linux_9_for_x86_64_-BaseOS_K...					
Partition Table *	Kickstart default					
PXE loader ⓘ	PXELinux BIOS					
Custom Partition Table						

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Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Monitor Content Hosts All Hosts Discovered Hosts Create Host Content Hosts Host Collections Register Host Provisioning Setup Templates Compliance Configure

Select the installation media that will be used to provision this host. Choose 'Synced Content' for Synced Kickstart Repositories or 'All Media' for other media.

Synced Content Red_Hat_Enterprise_Linux_9_for_x86_64_-_BaseOS_K... Partition Table * Kickstart default PXE loader i PXELinux BIOS

Custom Partition Table

What ever text(or ERB template) you use in here, would be used as your OS disk layout options If you want to use the partition table option, delete all of the text from this field

Root Password * ***** Password must be 8 characters or more. The password is currently set by hostgroup.

Provisioning Templates Resolve

Display the templates that will be used to provision this host

Submit Cancel



Sparksoft Corporation ▾

Any location ▾



Admin User ▾

Search and go

Monitor >

Content >

Hosts ▾

All Hosts

Discovered Hosts

Create Host

Content Hosts

Host Collections

Register Host

Provisioning Setup >

Templates >

Compliance >

Configure >

Whatever text(or ERB template) you use in here, would be used as your OS disk layout options If you want to use the partition table option, delete all of the text from this field

Root Password *

Password must be 8 characters or more. The password is currently set by hostgroup.

Provisioning Templates

Display the templates that will be used to provision this host



Templates resolved for this operating system

PXEGrub template [Kickstart default PXEGrub](#)PXEGrub2 template [Kickstart default PXEGrub2](#)PXELinux template [Kickstart default PXELinux](#)Finish template [Kickstart default finish](#)Host initial configuration template [Linux host_init_config default](#)iPXE template [Kickstart default iPXE](#)Discovery Kexec [Discovery Red Hat kexec](#)Provisioning template [Kickstart default](#)User data template [Kickstart default user data](#)

Personal Sparksoft

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Hosts > lucas-mclure.aus.sparksoftcorp.io ↗

lucas-mclure.aus.sparksoftcorp.io ✓ RedHat 9.4 x86_64

Created 1 second ago by Admin User (updated 1 second ago)

Schedule a job Edit

Overview Details Parameters Ansible Reports Insights

Host status: All statuses OK

Details: IPv6 address Not available, IPv4 address 192.168.122.252, MAC address 52:54:00:21:a3:52, Host group Production VMs Austin

Recent jobs: No results found

Recent communication: Last configuration Never

Total risks: 0

Recent audits: All audits

Configure

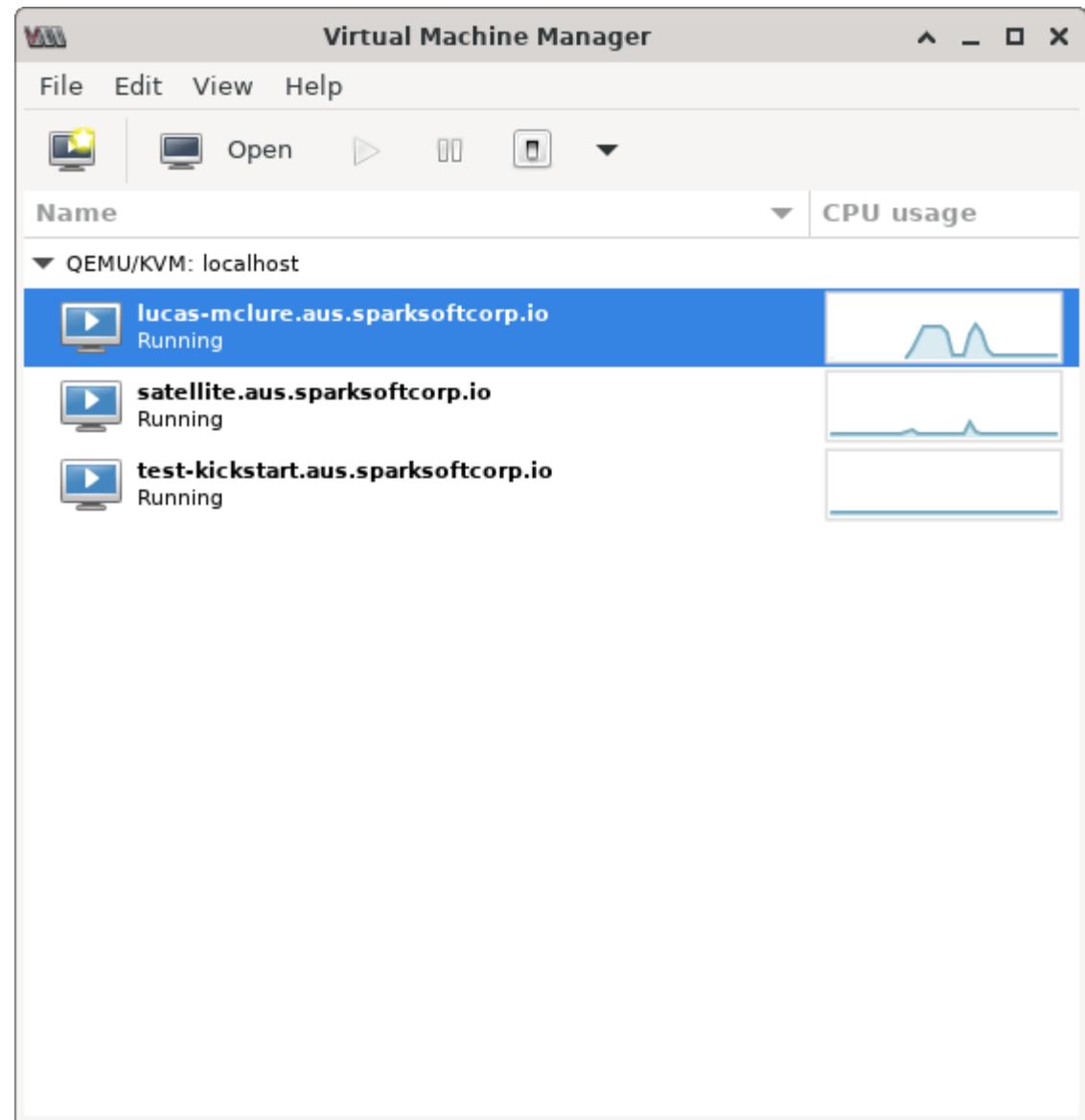
Host status: All statuses OK

Details: IPv6 address Not available, IPv4 address 192.168.122.252, MAC address 52:54:00:21:a3:52, Host group Production VMs Austin

Recent communication: Last configuration Never

Total risks: 0

Recent audits: All audits





Use Satellite for Ansible

**This is a quick way to run Ansible
playbooks on your systems!**

Ansible Playbooks from Satellite

- One of the things the registration process does is create an authorized_keys file for the root user.
- This enables us to run Ansible playbooks from the Satellite server.

Terminal - root@lucas-mclure:~

File Edit View Terminal Tabs Help

```
[sysadmin@lucas-mclure ~]$ sudo -i
[root@lucas-mclure ~]# cat .ssh/authorized_keys
ssh-rsa AAAAB3NzaC1yc2EAAAQABAAABgQCxnB8XFZ+lLc6C078c9JjK2CyosvyYMT7s4aAMnALy
08BNxfqp2SDR0LaccZ9LbMrHF+Ybx2AR9jBtizneLtg1Z00qs2F0ZdR3NnltCvuKN4Vj4Tp+5RgkDYhe
27MICu4e0xKHxugHj0/NsPkww5pCnwiILPylcIUANCAWLRCcI743V1wLL+A2zCE7iHN4P+K3wfcPKZ+E
+0dlY4tu60T1Q1X8QLcQYJ6SdUdCtUu6qMHcjAzdhjUaUtP/vNVkQIrVj+bTmHJp9pbWE3xSAZ/RuE/c
4FqmusUZ//j7ux+C0h5Mm8tYEw85+S++5uMTbdML/AAXVheixCQMDbEc0ZEU/KxAjrT45EzVsCTK1xXN
v2a8+A3vyx+5lyQS00gG7t0ohUEtaAXXHK5bbfepqECxM58D3Cz+TLpQd4i0tN/VxX+fG9oBzI0HMWnf
CIRWbSGI95UYMoMMYzzzTjEa8jwcXch0rzruJUrsVQn8rCQqXQw682Q90qdUTPQUzWSZf9c= foreman
-proxy@satellite.aus.sparksoftcorp.io
[root@lucas-mclure ~]#
```

Ansible Playbooks from Satellite

- In this example, we'll create a user called "sysadmin" who is a member of the wheel group, then add a line to /etc/sudoers which allows the sysadmin user to run sudo commands without a password.
 - Note that this is NOT a best practice, I am just doing it for demo purposes.
- Go to Hosts/Templates/Job Templates

Red Hat Satellite - Job Ten +

Not secure https://satellite.aus.sparksoftcorp.io/job_templates

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Monitor Content Hosts All Hosts Discovered Hosts Create Host Content Hosts Host Collections Register Host Provisioning Setup Templates Sync Templates Partition Tables Provisioning Templates Job Templates

Job Templates

Search Documentation Import New Job Template

Name	Snippet	Locked	Actions
Ansible Collection - Install from Galaxy			Run ▾
Ansible Roles - Ansible Default			Run ▾
Ansible Roles - Install from Galaxy			Run ▾
Ansible Roles - Install from git			Run ▾
Ansible - Run insights maintenance plan			Run ▾
Ansible - Run playbook			Run ▾
Capsule Upgrade Playbook			Run ▾
Check Leapp	✓		Clone ▾
Check Update - Script Default			Run ▾
Configure Cloud Connector			Run ▾
Configure host for new content source			Run ▾
Convert2RHEL analyze			Run ▾
Convert to RHEL			Run ▾
Install errata by search query - Katello Ansible Default			Run ▾
Install errata by search query - Katello Script Default			Run ▾
Install Errata - Katello Ansible Default			Run ▾
Install Errata - Katello Script Default			Run ▾



Sparksoft Corporation

Any location



Admin User

Search and go

Monitor >

Content >

Hosts >

Configure >

Infrastructure >

Administer >

Job templates > New Job Template

Template

Inputs

Job

Type

History Locations

Organizations

Help

Name *

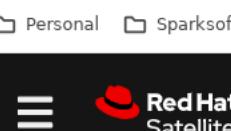
Default

Editor

Changes

Preview





Sparksoft Corporation

Any location



Admin User

Search and go

Monitor

Content

Hosts

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Infrastructure

Administer

Job Templates > Edit Add sysadmin user

Template

Inputs

Job

Type

Ansible

History

Locations

Organizations

Help

Name *

Add sysadmin user

Default



Editor

Changes

Preview

```
1  ---
2  - name: Add sysadmin user and grant sudo access
3  hosts: all
4  become: yes
5  tasks:
6    - name: Ensure sysadmin user exists
7      user:
8        name: sysadmin
9        password: "{{ 'MyPassW0rd@$' | password_hash('sha512') }}"
10       groups: wheel
11       shell: /bin/bash
12       createhome: yes
13       register: user_created
14
15    - name: Print message about user creation
16      debug:
17        msg: "User sysadmin has been created successfully."
18
19    - name: Ensure sudoers file allows members of wheel group to sudo
20      lineinfile:
21        dest: /etc/sudoers
```

Personal Sparksoft

All Bookmarks

Red Hat Satellite

Sparksoft Corporation Any location

Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Job Templates > Edit Add sysadmin user

Template Inputs Job Type Ansible History Locations Organizations Help

Name * Add sysadmin user

Default

Editor Changes Preview

```
1 ---  
2 - name: Add sysadmin user and grant sudo access  
3 hosts: all  
4 become: yes  
5 tasks:  
6   - name: Ensure sysadmin user exists  
7     user:  
8       name: sysadmin  
9       password: "{{ 'MyPassW0rd@$' | password_hash('sha512') }}"  
10      groups: wheel  
11      shell: /bin/bash  
12      createhome: yes  
13      register: user_created  
14  
15   - name: Print message about user creation  
16     debug:  
17       msg: "User sysadmin has been created successfully."  
18  
19   - name: Ensure sudoers file allows members of wheel group to sudo  
20     lineinfile: path: /etc/sudoers
```

Settings Syntax Ruby Text Json Ruby Html_ruby Sh Xml Yaml

Red Hat Satellite - New Job Template - Google Chrome

Not secure https://satellite.aus.sparksoftcorp.io/job_templates/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Job templates > New Job Template

Template Inputs Job Type History Locations Organizations Help

Job Category: Miscellaneous

Description Format:

Provider Type *: Script

Timeout to kill:

+ Add Foreign Input Set

Effective user

Value:

Current User:

Overridable:

Submit Cancel

Menu: Search and go, Monitor, Content, Hosts, Configure, Infrastructure, Administer.

Red Hat Satellite - New Job Template - Google Chrome

Not secure https://satellite.aus.sparksoftcorp.io/job_templates/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Job templates > New Job Template

Template Inputs Job Type History Locations Organizations Help

Job Category Description Format i

Provider Type *

Timeout to kill

+ Add Foreign Input Set

Effective user

Value

Current User

Overridable

Ansible Galaxy

Ansible Playbook

Ansible Roles Installation

Maintenance Operations

Leapp

Packages

Katello

Convert 2 RHEL

Katello via Ansible

Leapp - Install

Submit Cancel

Available Modules

Red Hat Satellite - New Job Template - Google Chrome

Not secure https://satellite.aus.sparksoftcorp.io/job_templates/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Job templates > New Job Template

Template Inputs Job Type History Locations Organizations Help

Job Category: Ansible Playbook

Description Format:

Provider Type *: Script (selected), Ansible

+ Add Foreign Input Set

Effective user

Value:

Current User:

Overridable:

Submit Cancel

The screenshot shows the 'New Job Template' page in the Red Hat Satellite interface. The left sidebar includes links for Monitor, Content, Hosts, Configure, Infrastructure, and Administer. The main form has tabs for Template, Inputs, Job (which is selected), Type, History, Locations, Organizations, and Help. The 'Job Category' field contains 'Ansible Playbook'. The 'Provider Type' dropdown is set to 'Script' (highlighted in blue). A modal for 'Foreign Input Set' lists 'Script' and 'Ansible', with 'Ansible' also highlighted in blue. Below the provider type, there's a section for 'Effective user' with a 'Value' input field and a 'Current User' checkbox. The 'Overridable' checkbox is checked. At the bottom are 'Submit' and 'Cancel' buttons.

Red Hat Satellite - New Job Template - Google Chrome

Not secure https://satellite.aus.sparksoftcorp.io/job_templates/new

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Job templates > New Job Template

Template Inputs Job Type Ansible History Locations Organizations Help

Job Category: Ansible Playbook

Description Format:

Provider Type *: Ansible

Timeout to kill:

+ Add Foreign Input Set

Effective user

Value:

Current User:

Overridable:

Submit Cancel

Search and go

Monitor Content Hosts Configure Infrastructure Administer



Sparksoft Corporation

Any location



Admin User

 Search and go

Monitor >

Content >

Hosts >

Configure >

Infrastructure >

Administer >

Job templates > New Job Template

[Template](#) [Inputs](#) [Job](#) [Type](#) [Ansible](#) [History](#) [Locations](#) [Organizations](#) [Help](#)

Locations

All items Filter

Austin

Selected items

[Submit](#) [Cancel](#)



Sparksoft Corporation

Any location



Admin User

 Search and go

Monitor >

Content >

Hosts >

Configure >

Infrastructure >

Administer >

Job templates > New Job Template

[Template](#) [Inputs](#) [Job](#) [Type](#) [Ansible](#) [History](#) [Locations](#) [Organizations](#) [Help](#)

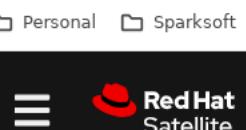
Locations

All items Filter

Selected items

Austin

[Submit](#) [Cancel](#)



Sparksoft Corporation

Any location

Admin User

Search and go

Monitor

Content

Hosts

All Hosts

Discovered Hosts

Create Host

Content Hosts

Host Collections

Register Host

Provisioning Setup

Templates

Sync Templates

Partition Tables

Provisioning Templates

Job Templates

Search

[Documentation](#) [Import](#) [New Job Template](#)

Successfully created Add sysadmin user.

Name	Snippet	Locked	Actions
Add sysadmin user			Run
Ansible Collection - Install from Galaxy			Run
Ansible Roles - Ansible Default			Run
Ansible Roles - Install from Galaxy			Run
Ansible Roles - Install from git			Run
Ansible - Run insights maintenance plan			Run
Ansible - Run playbook			Run
Capsule Upgrade Playbook			Run
Check Leapp			Clone
Check Update - Script Default			Run
Configure Cloud Connector			Run
Configure host for new content source			Run
Convert2RHEL analyze			Run
Convert to RHEL			Run
Install errata by search query - Katello Ansible Default			Run
Install errata by search query - Katello Script Default			Run
Install Errata - Katello Ansible Default			Run

Now let's test it out!

- Choose a system to run it on, and launch the playbook

Red Hat Satellite - Hosts +

Not secure https://satellite.aus.sparksoftcorp.io/hosts

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Hosts

Search Manage columns Select Action Export Register Host Create Host

0 of 3 selected

	Power	Recommend...	Name	OS	Owner	Host group	Boot time	Last report	Com...	Actions
<input type="checkbox"/>			lucas-mclure.aus.sparksoftcor...	RedHat 9.4	Admi...	Production VMs A...				<button>Edit</button>
<input type="checkbox"/>			satellite.aus.sparksoftcorp.io	RHEL 8.9			2 days ago			<button>Edit</button>
<input type="checkbox"/>			test-kickstart.aus.sparksoftcor...	RedHat 9.4	Admi...	Production VMs A...				<button>Edit</button>

1 - 3 of 3 items 1 of 1

Hosts

Monitor Content Hosts All Hosts Discovered Hosts Create Host Content Hosts Host Collections Register Host Provisioning Setup Templates Compliance Configure

Red Hat Satellite - Hosts +

Not secure https://satellite.aus.sparksoftcorp.io/hosts

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Monitor Content Hosts All Hosts Discovered Hosts Create Host Content Hosts Host Collections Register Host Provisioning Setup Templates Compliance Configure

Hosts

Search Manage columns Select Action Export Register Host Create Host

2 of 3 selected

	Power	Recommend...	Name	OS	Owner	Host group	Boot time	Last report	Com...	Actions
<input checked="" type="checkbox"/>			lucas-mclure.aus.sparksoftcor...	RedHat 9.4	Admi...	Production VMs A...				<button>Edit</button>
<input type="checkbox"/>			satellite.aus.sparksoftcorp.io	RHEL 8.9			2 days ago			<button>Edit</button>
<input checked="" type="checkbox"/>			test-kickstart.aus.sparksoftcor...	RedHat 9.4	Admi...	Production VMs A...				<button>Edit</button>

1 - 3 of 3 items 1 of 1



Sparksoft Corporation

Any location



Admin User

Search and go

Monitor

Content

Hosts

All Hosts

Discovered Hosts

Create Host

Content Hosts

Host Collections

Register Host

Provisioning Setup

Templates

Compliance

Configure

Hosts

Search



Manage columns

Select Action

Export

Register Host

Create Host

2 of 3 selected

<input type="checkbox"/>	Power	Recommend...	Name	OS	Owner	Host group
<input checked="" type="checkbox"/>			lucas-mclure.aus.sparksoftcor...	RedHat 9.4	Admin...	Production VN
<input type="checkbox"/>			satellite.aus.sparksoftcorp...	RHEL 8.9		
<input checked="" type="checkbox"/>			test-kickstart.aus.sparksoftcor...	RedHat 9.4	Admin...	Production VN

- Change Content Source
- Change Group
- Build Hosts
- Edit Parameters
- Disable Notifications
- Enable Notifications
- Disassociate Hosts
- Rebuild Config
- Assign Organization
- Assign Location
- Run all Ansible roles
- Preupgrade check with Leapp
- Upgrade with Leapp
- Schedule Remote Job
- Change Owner
- Change Power State
- Delete Hosts
- Assign Compliance Policy
- Unassign Compliance Policy
- Change OpenSCAP Capsule

Host report	Com...	Actions

1 of 1 > >>



Sparksoft Corporation ▾

Any location ▾



Admin User ▾

 Search and go

Monitor ▾

Content ▾

Hosts ▾

Configure ▾

Infrastructure ▾

Administer ▾

Jobs > Run job

Run job

[Use legacy form](#)

- 1 Category and template
- 2 Target hosts and inputs
- 3 Advanced fields
- 4 Schedule
- Type of execution
- 5 Review details

Category and template

All fields are required.

Job category *

Commands

- Ansible Commands
- Ansible Galaxy
- Ansible Modules
- Ansible Packages
- Ansible Playbook
- Ansible Power

[Next](#)[Back](#)[Run on selected hosts](#)[Skip to review](#)[Cancel](#)

Not secure https://satellite.aus.sparksoftcorp.io/job_invocations/new?host_ids%5B%5D=9&host_ids%5B%5D=10

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

Monitor Content Hosts Configure Infrastructure Administer

Jobs > Run job

Run job

Use legacy form

1 Category and template
2 Target hosts and inputs
3 Advanced fields
4 Schedule
Type of execution
5 Review details

Category and template

All fields are required.

Job category *

Ansible Playbook

Job template

Add sysadmin user

- Ansible
- Add sysadmin user
- Ansible Roles - Ansible Default
- Ansible - Run insights maintenance plan

Next Back Run on selected hosts Skip to review Cancel

Red Hat Satellite

Sparksoft Corporation ▾ Any location ▾

Admin User

Search and go

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Jobs > Run job

Run job

Use legacy form

1 Category and template

2 Target hosts and inputs

3 Advanced fields

4 Schedule

Type of execution

5 Review details

Category and template

All fields are required.

Job category *

Ansible Playbook

Job template

Add sysadmin user

Start job

Next Back Run on selected hosts Skip to review Cancel

Not secure https://satellite.aus.sparksoftcorp.io/job_invocations/4

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

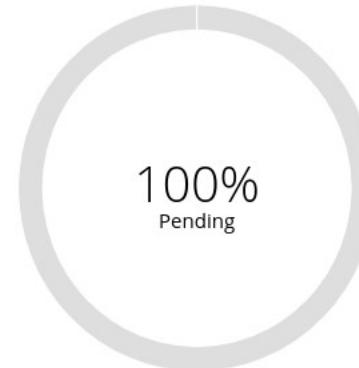
Jobs > Add sysadmin user with inputs tags="" tags_flag="" ↕

Create Report Rerun Rerun failed Job Task Cancel Job Abort Job

Monitor Content Hosts Configure Infrastructure Administer

Overview Preview templates

Results



100% Pending

✓ 0 | ✘ 0 | ⚡ 2 | ✗ 0

Target hosts

Manual selection using static query

```
id ^ (9,10)
```

Execution order: alphabetical

Organization: Sparksoft Corporation

Location: Any Location

Evaluated at: 2024-05-08 22:49:30 -0600

root
Add sysadmin user effective user

2

Red Hat Satellite

Sparksoft Corporation Any location

Admin User

Search and go

Jobs > Add sysadmin user with inputs tags="" tags_flag="" ↻

Create Report Rerun Rerun failed Job Task Cancel Job Abort Job

Overview Preview templates

Results



100% Success

✓ 2 | ✘ 0 | ⚡ 0 | ✗ 0

Target hosts

Manual selection using static query

id ^ (9,10)

Execution order: alphabetical

Organization: Sparksoft Corporation

Location: Any Location

Evaluated at: 2024-05-08 22:49:30 -0600

root
Add sysadmin user effective user

2

Red Hat Satellite - Add sysadmin user with inputs tags="" tags_flag="" - Google Chrome

Not secure https://satellite.aus.sparksoftcorp.io/job_invocations/4

Personal Sparksoft All Bookmarks

Red Hat Satellite Sparksoft Corporation Any location Admin User

Search and go

2 | 0 | 0 | 0

Evaluated at: 2024-05-08 22:49:30 -0600

root
Add sysadmin user effective user

2
Total hosts

Search Host Status Actions

Host	Status	Actions
lucas-mclure.aus.sparksoftcorp.io	success	Host detail
test-kickstart.aus.sparksoftcorp.io	success	Host detail

1 - 2 of 2 items 1 of 1

Terminal - root@lucas-mclure:~

File Edit View Terminal Tabs Help

```
[thomas.cameron@p16s ~]$ ssh sysadmin@lucas-mclure
sysadmin@lucas-mclure's password:
X11 forwarding request failed on channel 0
Last login: Thu May  9 04:55:58 2024 from 192.168.122.1
[sysadmin@lucas-mclure ~]$ sudo -i
[root@lucas-mclure ~]# █
```



And that's it!

**We've gone from zero to a functional
Satellite server in 45 minutes!**

Thank you so much!

- I sincerely appreciate you being here!
- Any questions?



Thank you



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twitter.com/RedHat

