RED HAT SATELLITE POWER USER TIPS AND TRICKS

Zero to Production in a Day

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AGENDA
AGENDA

Hold on Tight, We’re Gonna be MOVING!

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Satellite – A Brief History
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The Manifest
Products
Syncing Content
Locations
Lifecycle Environments
Content Views
Puppet
AGENDA

Hold on Tight, We’re Gonna be MOVING!

Subnets
Host Collections
Domains
Installation Media
Provisioning Templates
Operating Systems
Activation Keys
Host Groups
Compute Resources
Build a New Host
ABOUT US
ABOUT US

Who Are We, and Why Should You Listen To Us?

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- X years at Red Hat, from sales engineer to technical leader for systems management
- Live in Philly, work globally
- Former United States Marine

Thomas Cameron
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- 11 years at Red Hat, from sales engineer to digital transformation strategist
- Live in Austin, work globally
- Former police officer
ABOUT SATELLITE
Where Did It Come From? Where is it Going?

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 tears of baby Jesus
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
ABOUT SATELLITE

Where Did It Come From? Where is it Going?

Relatively monolithic design, new features (monitoring, API support, etc.) were bolted on over time
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Where Did It Come From? Where is it Going?

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ABOUT SATELLITE

Where Did It Come From? Where is it Going?

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 Spacewalk project
ABOUT SATELLITE
Where Did It Come From? Where is it Going?

Version 6 is a COMPLETE REWRITE. There is no code shared between the products.

Based on a number of upstream projects:

- katello - content management
- the foreman - lifecycle management
- candlepin - subscription management
- pulp - content repository management
- Postgresql - database backend
- mongoDB - noSQL
ABOUT SATELLITE

Where Did It Come From? Where is it Going?

Designed for cloud scale and ease of use in large, distributed environments

100% Open Source

IMHO, one of the (if not the) most ambitious project Red Hat has ever started.
INSTALLATION
Super simple kickstart

- For demo purposes, one large root filesystem.
- At least 16GB memory and at least 4GB swap.
- It takes 40-50GB for RHEL7 and associated channels (clustering, Optional, Supplementary, Extras, etc.). I made my Satellite server 160GB for growth.
  - On my system, fully synced RHEL7 is about 100GB in /var/lib/pulp
  - about 8GB for /var/lib/mongodb
Make sure name resolution works

- Forward and reverse need to work.
# System authorization information
auth --enablesudo --passalgo=sha512

# Use CDROM installation media
# Use graphical install
# Run the Setup Agent on first boot
# Keyboard layouts
keyboard --vckeymap=us --xlayouts='us'

# System language
lang en_US.UTF-8

# Network information
network --bootproto=static --device=eth0 --gateway=172.31.100.29 --ip=172.31.100.19 --nameserver=172.31.100.29 --netmask=255.255.255.0 --ipv6=auto --activate
network --hostname=satellite.tc.redhat.com

# Root password
rootpw --iscrypted $6$jxs50HY5DNVtIyrv$13UofjGwC/4hR7WwKXCpDY.RyQyfgHvZfBZ1GKrYBfgYCVXf/jl/t3Ghflybd4mi8iSwYle9GGzCcd7Lbp0Ir0

# System services
services --disabled="chronyd"

# System timezone
timezone America/Chicago --isUtc --nontp

# System bootloader configuration
bootloader --location=mbr --boot-drive=vda

# Disk partitioning information
clearpart --none --initlabel
part swap --fstype=swap --ondisk=vda --size=4200
part /boot --fstype=xfs --ondisk=vda --size=500
part / --fstype=xfs --ondisk=vda --size=97699
# Network information
network --bootproto=static --device=eth0 --gateway=172.31.100.29 --ip=172.31.100.19 --nameserver=172.31.100.29 --netmask=255.255.255.0 --ipv6=auto --activate
network --hostname=satellite.tc.redhat.com

# Root password
rootpw --iscrypted "$6$jxs50HYV5DNVtlvr$13UofjGwC/4hR7WkXCPDY.RyQyfgHVzfBZ1GKryBFqYcvXf/j/l3Ghfylbd4miBisWyle9GGzCcd7Lbp0Ir0"

# System services
services --disabled="chronyd"

# System timezone
timezone America/Chicago --isUtc --ntp

# System bootloader configuration
bootloader --location=mbr --boot-drive=vda

# Partition clearing information
clearpart --none --initlabel

# Disk partitioning information
part swap --fstype="swap" --ondisk=vda --size=4200
part / --fstype="xfs" --ondisk=vda --size=500
part / --fstype="xfs" --ondisk=vda --size=97699

%packages
@"minimal"
@"core"

%end

%addon com_redhat_kdump --disable --reserve-mb='auto'

%end

anaconda
pwpolicy root --minlen=6 --minquality=50 --notstrict --nochanges --notempty
pwpolicy user --minlen=6 --minquality=50 --notstrict --nochanges --notempty
pwpolicy luks --minlen=6 --minquality=50 --notstrict --nochanges --notempty

%end
Register to Red Hat
subscription-manager register --auto-attach --username tcameron@redhat.com

Registering to: subscription.rhsm.redhat.com:443/subscription

Password:
The system has been registered with ID: 467f120d-6be1-410e-bb4f-36bcc59b73b5

Installed Product Current Status:
Product Name: Red Hat Enterprise Linux Server
Status: Subscribed
Attach to the correct pool
[root@satellite ~]# subscription-manager list --available
Available Subscriptions

Subscription Name: Red Hat Satellite Employee Subscription
Provides:
- Red Hat Satellite Capsule Beta
- Red Hat Satellite Proxy - Extended Life Cycle Support
- Red Hat Software Collections (for RHEL Server)
- Red Hat Satellite Capsule
- Red Hat Satellite with Embedded Oracle
- Red Hat Satellite 5 Proxy Beta
- Red Hat Satellite - Extended Life Cycle Support
- Red Hat Satellite Proxy
- Red Hat Beta
- Red Hat Satellite 6 Beta
- Red Hat Satellite Beta
- Red Hat Satellite 5 Managed DB Beta
- Red Hat Enterprise Linux High Availability (for RHEL Server)
- Red Hat Enterprise Linux Server
- Red Hat Satellite
- Red Hat Software Collections Beta (for RHEL Server)
- Red Hat Satellite 5 Managed DB
- Red Hat Enterprise Linux Load Balancer (for RHEL Server)
SKU: SER0232US
Contract: 11205079
Pool ID: 8aB5f98158cf4dd0b0158d33bd79534bf
Provides Management: Yes
Available: 1
Suggested: 1
Service Level: Self-Support
Service Type: L1-L3
Subscription Type: Standard
Ends: 12/05/2017
System Type: Physical
Subscription Name: Employee SKU
subscription-manager attach --pool 8a85f98158cf4dd80158d33bd79534bf
Successfully attached a subscription for: Red Hat Satellite Employee Subscription
1 local certificate has been deleted.
Disable non-essential repos
subscription-manager repos --disable="*"

Repository 'rhel-7-server-v2vwin-1-debug-rpms' is disabled for this system.
Repository 'rhel-7-server-3scale-amp-2.0-beta-debug-rpms' is disabled for this system.
Repository 'rhel-7-server-mrg-messaging-3-rpms' is disabled for this system.
Repository 'rhel-7-server-openstack-6.0-debug-rpms' is disabled for this system.
Repository 'rhel-7-server-rhscon-2-main-source-rpms' is disabled for this system.
Repository 'rhel-7-server-satellite-capsule-optional-6.0-source-rpms' is disabled for this system.
Repository 'rhel-7-server-rhceph-2-tools-rpms' is disabled for this system.
Repository 'jb-eap-7-for-rhel-7-server-source-rpms' is disabled for this system.
Repository 'rhel-sjis-for-rhel-7-server-aus-source-rpms' is disabled for this system.
Repository 'rhel-7-server-openstack-beta-cts-debug-rpms' is disabled for this system.
Repository 'rhel-7-server-ose-3.3-debug-rpms' is disabled for this system.
Repository 'jws-3-for-rhel-6-server-debug-rpms' is disabled for this system.
Repository 'rhel-7-server-rhmap-4.1-rpms' is disabled for this system.
Repository 'jb-datagrid-7.1-for-rhel-7-server-beta-debug-rpms' is disabled for this system.
Repository 'rhel-7-server-openstack-8-optools-source-rpms' is disabled for this system.
Enable the essential repos

- Server
- Satellite
- Software collections
subscription-manager repos --enable=rhel-7-server-rpms --enable=rhel-server-rhscl-7-rpms --enable=rhel-7-server-satellite-6.2-rpms

Repository 'rhel-7-server-rpms' is enabled for this system.
Repository 'rhel-7-server-satellite-6.2-rpms' is enabled for this system.
Repository 'rhel-server-rhscl-7-rpms' is enabled for this system.

Install sos, chrony, and anything else you need

- I usually install bash completion, too
[root@satellite ~]# yum -y install sos bash-completion
Loaded plugins: product-id, search-disabled-repos, subscription-manager
rhel-7-server-rpms | 3.5 kB 00:00:00
rhel-7-server-satellite-6.2-rpms | 4.0 kB 00:00:00
rhel-server-rhscl-7-rpms | 3.5 kB 00:00:00
(1/9): rhel-7-server-rpms/7Server/x86_64/group | 701 kB 00:00:00
(2/9): rhel-7-server-rpms/7Server/x86_64/updateinfo | 1.9 MB 00:00:00
(3/9): rhel-7-server-satellite-6.2-rpms/x86_64/group | 3.8 kB 00:00:00
(4/9): rhel-7-server-satellite-6.2-rpms/x86_64/updateinfo | 86 kB 00:00:00
(5/9): rhel-server-rhscl-7-rpms/7Server/x86_64/group | 104 B 00:00:00
(6/9): rhel-7-server-satellite-6.2-rpms/x86_64/primary_db | 300 kB 00:00:00
(7/9): rhel-server-rhscl-7-rpms/7Server/x86_64/updateinfo | 673 kB 00:00:01
(8/9): rhel-server-rhscl-7-rpms/7Server/x86_64/primary_db | 3.7 MB 00:00:01
(9/9): rhel-7-server-rpms/7Server/x86_64/primary_db | 35 MB 00:00:03
Resolving Dependencies
--> Running transaction check
--> Package bash-completion.noarch 1:2.1-6.el7 will be installed
--> Package sos.noarch 0:3.3-5.el7_3 will be installed
--> Processing Dependency: bzip2 for package: sos-3.3-5.el7_3.noarch
--> Processing Dependency: python-six for package: sos-3.3-5.el7_3.noarch
--> Running transaction check
--> Package bzip2.x86_64 0:1.0.6-13.el7 will be installed
[root@satellite ~]# yum -y install chrony
Loaded plugins: product-id, search-disabled-repos, subscription-manager
Resolving Dependencies
---> Running transaction check
----> Package chrony.x86_64 0:2.1.1-4.el7_3 will be installed
---> Finished Dependency Resolution

Dependencies Resolved

<table>
<thead>
<tr>
<th>Package</th>
<th>Arch</th>
<th>Version</th>
<th>Repository</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>chrony</td>
<td>x86_64</td>
<td>2.1.1-4.el7_3</td>
<td>rhel-7-server-rpms</td>
<td>281 k</td>
</tr>
</tbody>
</table>

Transaction Summary

- Install 1 Package

Total download size: 281 k
Installed size: 470 k
Downloading packages:
chrony-2.1.1-4.el7_3.x86_64.rpm  | 281 kB  00:02
systemctl enable chronyd
systemctl start chronyd
systemctl status chronyd

chronyd.service - NTP client/server
Loaded: loaded (/usr/lib/systemd/system/chronyd.service; enabled; vendor preset: enabled)
Active: active (running) since Sun 2017-04-23 01:07:53 CDT; 6s ago
Process: 1279 ExecStartPost=/usr/libexec/chrony-helper update-daemon (code=exited, status=0/SUCCESS)
Process: 1275 ExecStart=/usr/sbin/chronyd $OPTIONS (code=exited, status=0/SUCCESS)
Main PID: 1277 (chronyd)
CGroup: /system.slice/chronyd.service
  └─1277 /usr/sbin/chronyd

Apr 23 01:07:53 satellite.tc.redhat.com systemd[1]: Starting NTP client/server...
Apr 23 01:07:53 satellite.tc.redhat.com chronyd[1277]: chronyd version 2.1.1 ...
Apr 23 01:07:53 satellite.tc.redhat.com chronyd[1277]: Generated key 1
Apr 23 01:07:53 satellite.tc.redhat.com systemd[1]: Started NTP client/server.
Apr 23 01:07:58 satellite.tc.redhat.com chronyd[1277]: Selected source 67.18....

Hint: Some lines were ellipsized, use -l to show in full.

date
Sun Apr 23 01:08:16 CDT 2017

Update the system and reboot
[root@satellite ~]# yum -y update
Loaded plugins: product-id, search-disabled-repos, subscription-manager
Resolving Dependencies
---> Running transaction check
---> Package NetworkManager.x86_64 1:1.4.0-12.el7 will be updated
---> Package NetworkManager.x86_64 1:1.4.0-19.el7_3 will be an update
---> Package NetworkManager-config-server.x86_64 1:1.4.0-12.el7 will be updated
---> Package NetworkManager-config-server.x86_64 1:1.4.0-19.el7_3 will be an update
---> Package NetworkManager-libnm.x86_64 1:1.4.0-12.el7 will be updated
---> Package NetworkManager-libnm.x86_64 1:1.4.0-19.el7_3 will be an update
---> Package NetworkManager-team.x86_64 1:1.4.0-12.el7 will be updated
---> Package NetworkManager-team.x86_64 1:1.4.0-19.el7_3 will be an update
---> Package NetworkManager-tui.x86_64 1:1.4.0-12.el7 will be updated
---> Package NetworkManager-tui.x86_64 1:1.4.0-19.el7_3 will be an update
---> Package audit.x86_64 0:2.6.5-3.el7 will be updated
---> Package audit.x86_64 0:2.6.5-3.el7_3.1 will be an update
---> Package audit-libs.x86_64 0:2.6.5-3.el7 will be updated
---> Package audit-libs.x86_64 0:2.6.5-3.el7_3.1 will be an update
---> Package bash.x86_64 0:4.2.46-20.el7_2 will be updated
---> Package bash.x86_64 0:4.2.46-21.el7_3 will be an update
---> Package bind-libs-lite.x86_64 32:9.9.4-37.el7 will be updated
---> Package bind-libs-lite.x86_64 32:9.9.4-38.el7_3.3 will be an update
---> Package bind-license.noarch 32:9.9.4-37.el7 will be updated
---> Package bind-license.noarch 32:9.9.4-38.el7_3.3 will be an update
[root@satellite ~]# init 6
Open the firewall up
[root@satellite ~]# firewall-cmd --add-service=RH-Satellite-6
success

[root@satellite ~]# firewall-cmd --permanent --add-service=RH-Satellite-6
success

[root@satellite ~]# firewall-cmd --add-service=tftp
success

[root@satellite ~]# firewall-cmd --permanent --add-service=tftp
success

[root@satellite ~]# firewall-cmd --add-service=dhcp
success

[root@satellite ~]# firewall-cmd --permanent --add-service=dhcp
success

[root@satellite ~]#
Install the satellite RPM and run the installer
[root@satellite ~]# yum -y install satellite
# satellite-installer --scenario satellite
--foreman-initial-organization "Red Hat"
--foreman-initial-location "Austin"
--foreman-admin-username administrator
--foreman-admin-password red22hat
--foreman-proxy-dns true
--foreman-proxy-dns-interface eth0
--foreman-proxy-dns-zone tc.redhat.com
--foreman-proxy-dns-forwarders 8.8.8.8
--foreman-proxy-dns-reverse 100.31.172.in-addr.arpa
--foreman-proxy-dhcp true
--foreman-proxy-dhcp-interface eth0
--foreman-proxy-dhcp-range "172.31.100.128 172.31.100.254"
--foreman-proxy-dhcp-gateway 172.31.100.29
--foreman-proxy-dhcp-nameservers 172.31.100.19
--foreman-proxy-tftp true
--foreman-proxy-tftp-servername ${hostname}
capsule-puppet true
--foreman-proxy-puppetca true
Installing
Notice: /Stage[main]/Foreman::Plugin::Tasks/Service [99%]
Installing
Debug: /Stage[main]/Foreman::Service/Service[foreman] [99%]
Installing
Debug: /Stage[main]/Certs::Foreman/Exec[foreman_proxy::foreman_proxy::Register] [99%]
Installing
Info: RESOURCE Foreman_proxy::Settings_file[dynfito] [99%]
Installing
Debug: Executing '/usr/bin/systemctl is-enabled fo [99%]
Installing
Notice: /Stage[main]/Foreman_proxy::Service/Servic [99%]
Installing
Notice: /Stage[main]/Foreman_proxy::Register/Forem [99%]
Installing
Notice: /Stage[main]/Foreman_proxy::Register/Forem [99%]
Installing
Debug: Stored state in 0.08 seconds [99%]
Installing
Done [100%]
Installing
Done [100%]
[]

Success!
* Satellite is running at https://satellite.tc.redhat.com
  Initial credentials are administrator / red22hat
* To install additional capsule on separate machine continue by running:

    capsule-certs-generate --capsule-fqdn "$CAPSULE" --certs-tar "~/$CAPSULE-certs.tar"

The full log is at /var/log/foreman-installer/satellite.log
[root@satellite ~]#
MANIFEST
What is a manifest?

- A manifest is a zip archive with gpg-signed XML documents inside which allow you to allocate your subscriptions to the Satellite server. You can allocate all or a subset of your subscriptions on a per-organization basis.
Create a manifest at redhat.com
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Get help
If you have questions, contact customer service.

Contact customer service ➤
Red Hat is transitioning to Red Hat Subscription Management (RHSM) for all Red Hat products by July 31st, 2017. Learn more about transitioning from RHN.

MY SUBSCRIPTIONS

7 Active subscriptions

Take action
- Activate a subscription
- Renew a subscription
- Purchase subscriptions

Learn
- Using the Customer Portal to Manage Subscriptions
- View all Subscription Management Documentation
- Subscription Packaging Model Overview
MANAGE

Systems registered to Red Hat directly use either Red Hat Subscription Management (RHSM) or RHN Classic Management.

Red Hat Subscription Management
Tools and entitlement mechanisms for the new, certificate-based subscription management.

- **Subscriber Inventory**
  - Systems
  - RHUI
  - Hypervisors

- **Activation Keys**
  - Activation Keys

- **Subscription Management Applications**
  - Subscription Asset Manager Organizations
  - Satellite

RHN Classic Management
Tools and entitlement mechanisms for channel-based subscription management.

- **All Registered Systems**
  Manage all systems registered with RHN.

- **System Entitlements**
  View a list of your profiled systems with their base channel and add-on entitlements.

- **Errata**
  View errata relevant to your systems registered with RHN.
## Subscription Management Applications

**Satellite**

<table>
<thead>
<tr>
<th>Display</th>
<th>Satellite</th>
<th>Subscriptions Attached</th>
<th>UUID</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>host10.tc.redhat.com</td>
<td>1</td>
<td>1fc5d71e-e6fd-4563-9b91-d74deb2c533c</td>
</tr>
</tbody>
</table>

Displaying Satellite 1-1 of 1
Register a New Satellite

Name: satellite.tc.redhat.com

Satellite version: Satellite 6.2

Register  Cancel
satellite.tc.redhat.com has been created.

satellite.tc.redhat.com

UUID: 4ec36232-0a6d-4846-95d9-363bf1b3a5ec
Created: 04/23/2017
Type: Satellite
Version: Satellite 6.2
UUID: 4ec36232-0a6d-4846-95d9-363bf1b3a5ec
Created: 04/23/2017
Type: Satellite
Version: Satellite 6.2

Attached Subscriptions
Identity Certificate

Attach a subscription
Remove Selected

Display 10 attached subscriptions

No attached subscriptions found.

No attached subscriptions found.
### Attach a subscription

Only show subscriptions that match this Satellite

Display: 10 available subscriptions

<table>
<thead>
<tr>
<th>Subscription Name</th>
<th>Contract Number</th>
<th>Available</th>
<th>Type</th>
<th>Start Date</th>
<th>End Date</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employee SKU</td>
<td>11205075</td>
<td>15 of 25</td>
<td>System: Physical</td>
<td>12/06/2016</td>
<td>12/06/2017</td>
<td>10</td>
</tr>
<tr>
<td>Red Hat Satellite Employee</td>
<td>11205078</td>
<td>2 of 2</td>
<td>System: Physical</td>
<td>12/06/2016</td>
<td>12/06/2017</td>
<td>1</td>
</tr>
<tr>
<td>RHUI Employee Subscription</td>
<td>11205080</td>
<td>5 of 5</td>
<td>RHUI</td>
<td>12/06/2016</td>
<td>12/06/2017</td>
<td>1</td>
</tr>
<tr>
<td>CloudForms Employee Subscription</td>
<td>11205081</td>
<td>10 of 10</td>
<td>System: Physical</td>
<td>12/06/2016</td>
<td>12/06/2017</td>
<td>1</td>
</tr>
</tbody>
</table>

Displaying available subscriptions 1-4 of 4

ATTACH SELECTED
Subscriptions are currently being attached to this Satellite. (Refresh)

satellite.tc.redhat.com

UUID: 4ec36232-0a6d-4846-95d9-363bf1b3a5ec
Created: 04/23/2017
Type: Satellite
Version: Satellite 6.2

Download manifest  Delete this Satellite
satellite.tc.redhat.com

UUID: 4ec36232-0a6d-4846-95d9-363bf1b3a5ec
Created: 04/23/2017
Type: Satellite
Version: Satellite 6.2

Attached Subscriptions
Identity Certificate

Download manifest
Delete this Satellite
Opening manifest_4ec36232-0a6d-4846-95d9-363bf...zip
which is: Zip archive
from: https://access.redhat.com

What should Firefox do with this file?

- Open with Xarchiver (default)
- Save File

- Do this automatically for files like this from now on.

[Cancel] [OK]
Log into your Satellite server

- Since it’s using a self-signed cert, do the security dance
Your connection is not secure

The owner of satellite.tc.redhat.com has configured their website improperly. To protect your information from being stolen, Firefox has not connected to this website.

Learn more...

Go Back

Advanced

Report errors like this to help Mozilla identify and block malicious sites
Your connection is not secure

The owner of satellite.tc.redhat.com has configured their website improperly. To protect your information from being stolen, Firefox has not connected to this website.

Learn more...

Go Back

Report errors like this to help Mozilla identify and block malicious sites

satellite.tc.redhat.com uses an invalid security certificate.

The certificate is not trusted because the issuer certificate is unknown. The server might not be sending the appropriate intermediate certificates. An additional root certificate may need to be imported.

Error code: SEC_ERROR_UNKNOWN_ISSUER

Add Exception...
You are about to override how Firefox identifies this site.
Legitimate banks, stores, and other public sites will not ask you to do this.

Server

Location: https://satellite.tc.redhat.com/

Certificate Status

This site attempts to identify itself with invalid information.

Unknown Identity

The certificate is not trusted because it hasn’t been verified as issued by a trusted authority using a secure signature.

Permanently store this exception

Confirm Security Exception
### Host Configuration Status

- **Hosts that performed modifications without error**: 0
- **Hosts in error state**: 0
- **Good host reports in the last 35 minutes**: 0
- **Hosts that had pending changes**: 0
- **Out of sync hosts**: 0
- **Hosts with no reports**: 0
- **Hosts with alerts disabled**: 0

**Total Hosts**: 0

---

### Latest Events

No interesting reports received in the last week

---

### Run distribution in the last 30 minutes

<table>
<thead>
<tr>
<th>Distribution</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>
Upload the manifest to your Satellite server
You currently don't have any Subscriptions, you can add Subscriptions by importing a manifest using the button on the right labeled 'Manage Manifest'.

**Subscription Manifest**

<table>
<thead>
<tr>
<th>Details</th>
<th>Actions</th>
<th>Import History</th>
</tr>
</thead>
</table>

**Red Hat Provider Details**

- **Red Hat CDN URL**: https://cdn.redhat.com

**Subscription Manifest**

- **Upstream**: No subscription manifest imported

**Manifest History**

<table>
<thead>
<tr>
<th>Message</th>
<th>Time</th>
</tr>
</thead>
</table>
You currently don't have any Subscriptions, you can add Subscriptions by importing a manifest using the button on the right labeled 'Manage Manifest'.

### Subscription Manifest

#### Details
- Red Hat Provider Details
  - Red Hat CDN URL: https://cdn.redhat.com

#### Actions
- Import History

#### Subscription Manifest
- Upstream: No subscription manifest imported
- Subscription Management Application
- Upload New Manifest
  - Browse... manifest_4ec36232-0a6d-4846-95d9-363b1b3a5ec.zip

#### Manifest History
- Message
- Time
You currently don't have any Subscriptions, you can add Subscriptions by importing a manifest using the button on the right labeled 'Manage Manifest'.

**Red Hat Provider Details**

- **Red Hat CDN URL**: https://cdn.redhat.com

**Subscription Manifest**

- **Upstream**: No subscription manifest imported

**Upload New Manifest**

- **Browse...**: manifest_4ec36232-0a6d-4846-95d9-363bf1b3a5ec.zip

**Manifest History**

<table>
<thead>
<tr>
<th>Message</th>
<th>Time</th>
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</thead>
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<tr>
<td></td>
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</table>
Subscription Manifest

Red Hat Provider Details
Red Hat CDN URL  https://cdn.redhat.com

Subscription Manifest
Upstream       satellite.tc.redhat.com
Subscription   Management Application

Download Manifest  Refresh Manifest
Upload New Manifest
Browse manifest_4ecf0ea6d-48d4-95d9-363bf1b35ec.zip
PRODUCTS
What is a product?

- “In Satellite, we use the concept of a Product as an organizational unit to group multiple repositories together. Such repository collections are analogous to the concept of real life products. For example, if we view Red Hat Enterprise Linux Server as a Product in Satellite, the repositories for that product might consist of different versions (6.0, 6.1, 7.0), different architectures (i386, x86_64, s390x, arm), and different add-ons (Optional repositories, Supplementary repositories, Virt V2V tools). This unifies all related repositories within the definitive media library. Using Products ensures repositories that depend on each other are synchronized together. For Red Hat repositories, products are created automatically after enabling the repository.”
  
Creating third party products

- In this case, EPEL
You currently don't have any Products.
Red Hat Satellite

Products

New Product

- Name *
- Label *
- GPG Key
- Sync Plan
  - New Sync Plan
- Description

Cancel  Save
You currently don't have any Products.

New Product

Name: Extra Packages for Enterprise Linux 7
Label: Extra_Packages_for_Enterprise_Linux_7
GPG Key:
Sync Plan:
Description:

Cancel  Save
You currently don't have any Repositories included in this Product, you can add Repositories using the button on the right.
### Product Extra Packages for Enterprise Linux 7

**Details**

**Repositories**

**Tasks**

#### Add New Repository

**General Information**

- **Name**: EPEL Repo
- **Label**: EPEL_Repo
- **Type**: yum

**Sync Information**

- **URL**: `http://dl.fedoraproject.org/pub/epel/7/x86_64/`
- **Download Policy**: Immediate

**Mirror On Sync**

Selecting this option will result in contents that are no longer part of the upstream repository being removed during synchronization.
Puppet module repo

- In this example, download MOTD and its dependencies
puppetlabs/motd by: Puppet
A simple module to demonstrate managing /etc/motd or Windows Logon Message as a template

Latest version is compatible with:
- Puppet Enterprise 2016.5.x, 2016.4.x, 2016.2.x, 2016.1.x, 2015.3.x, 2015.2.x, 3.8.x, 3.7.x, 3.3.x, 3.2.x, 3.1.x
- Puppet >= 3.0.0 < 5.0.0
- RedHat, Windows, Ubuntu, Debian, Scientific, CentOS, OracleLinux

Tags: testing

To use this module, add this declaration to your Puppetfile:

```
mod 'puppetlabs-motd', '1.4.0'
```

To manually install this module with puppet module tool:

```
puppet module install puppetlabs-motd --version 1.4.0
```
**mOTD**

**Table of Contents**

1. Overview
• Puppet Enterprise 2016.5.x, 2016.4.x, 2016.2.x, 2016.1.x, 2015.3.x, 2015.2.x, 3.8.x, 3.7.x, 3.3.x, 3.2.x, 3.1.x
• Puppet >= 3.0.0 < 5.0.0
• RedHat, Windows, Ubuntu, Debian, Scientific, CentOS, OracleLinux

Tags: testing

To use this module, add this declaration to your Puppetfile:

```puppet
mod 'puppetlabs-motd', '1.4.0'
```

To manually install this module with puppet module tool:

```bash
puppet module install puppetlabs-motd --version 1.4.0
```

Version 1.4.0 released Jan 26th 2016

- puppetlabs/registry (>= 1.0.0 < 2.0.0)
- puppetlabs/stdlib (>= 2.1.0 < 5.0.0)
**puppetlabs/stdlib** by: Puppet

Standard library of resources for Puppet modules.

Latest version is compatible with:
- Puppet Enterprise 2016.5.x, 2016.4.x, 2016.2.x, 2016.1.x, 2015.3.x, 2015.2.x, 3.8.x, 3.7.x, 3.3.x, 3.2.x, 3.1.x
- Puppet >=2.7.20 <5.0.0
- RedHat, Windows, Ubuntu, Debian, Solaris, SLES, Scientific, CentOS, OracleLinux, AIX

Tags: puppetlabs, library, stdlib, standard, stages

To use this module, add this declaration to your Puppetfile:

```puppet
mod 'puppetlabs-stdlib', '4.16.0'
```

To manually install this module with puppet module tool:

```
puppet module install puppetlabs-stdlib --version 4.16
```
Opening puppetlabs-stdlib-4.16.0.tar.gz

You have chosen to open:

puppetlabs-stdlib-4.16.0.tar.gz
which is: unknown
from: https://forge.puppet.com

What should Firefox do with this file?

- [ ] Open with VLC media player (default)
- [ ] Save File
- [ ] Do this automatically for files like this from now on.

[Cancel] [OK]
puppetlabs/registry by: Puppet  

This module provides a native type and provider to manage keys and values in the Windows Registry

Latest version is compatible with:
- Puppet Enterprise 2016.5.x, 2016.4.x, 2016.2.x, 2016.1.x, 2015.3.x, 2015.2.x, 3.8.x, 3.7.x, 3.3.x, 3.2.x, 3.1.x
- Puppet >= 3.3.0 < 5.0.0
- Windows

Tags: windows, provider, type, registry, win32

To use this module, add this declaration to your Puppetfile:

```puppet
mod 'puppetlabs-registry', '1.1.4'
```

Learn more about managing modules with a Puppetfile 

To manually install this module with puppet module tool:

```
puppet module install puppetlabs-registry --version 1.
```
You have chosen to open:

puppetlabs-registry-1.1.4.tar.gz
which is: unknown
from: https://forge.puppet.com

What should Firefox do with this file?

- Open with VLC media player (default)
- Save File
- Do this automatically for files like this from now on.

[Cancel] [OK]
Create the puppet repo on your Satellite server
Product Puppet MOTD

Basic Information

- **Name**: Puppet MOTD Repo
- **Label**: Puppet_MOTD_Repo
- **Type**: puppet
- **URL**: 
- **Publish via HTTPS**: Yes
- **Published At**: http://satellite.tc.redhat.com/pulp/puppet/Red_Hat-Puppet_MOTD-Puppet_MOTD_Repo/
## Product Puppet MOTD

**Details**

- **Name:** Puppet MOTD Repo
- **Label:** Puppet_MOTD_Repo
- **Type:** puppet
- **URL:** http://satellite.tc.redhat.com/pulp/puppet/Red_Hat-Puppet_MOTD-Puppet_MOTD_Repo/

**Publish via HTTPS:** Yes

**Published At:** http://satellite.tc.redhat.com/pulp/puppet/Red_Hat-Puppet_MOTD-Puppet_MOTD_Repo/

### Content Counts

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<tbody>
<tr>
<td>Puppet Modules</td>
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**Upload Puppet Module**

- **Submitted Files:** 3 files selected.
- **Status:** Uploading...
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<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Sync Status</th>
<th>Sync Plan</th>
<th>Repositories</th>
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<td>None</td>
<td>0</td>
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<tr>
<td>Extra Packages for Enterprise Linux 7</td>
<td></td>
<td>Never synced</td>
<td>None</td>
<td>0</td>
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</table>
REPOSITORIES
What is a repository?

- Repositories are groupings of packages which make up part of a product. For instance, the base OS (RHEL 6, RHEL 7) is actually made up of multiple repositories per architecture (x86, x86_64) – one for 6.0, one for 6.1, one for 7.0, one for 7.1, and so on. There are also repositories for Supplementary, Optional, Extras, clustering, OpenStack, etc. This is where you can choose which of the Red Hat repositories you want synchronized with your Satellite server. You may have standardized on RHEL 6.4 or later, so there's no need to synchronize 6.0, 6.1, etc. If you're not using OpenStack yet, don't bother syncing it.
Expand each Red Hat Product below to examine the different repository sets available. When enabling a repository set, the different repositories within are discovered and may be enabled individually.

Enable Red Hat Repositories

<table>
<thead>
<tr>
<th>PRODUCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>JBoss Enterprise Application Platform</td>
</tr>
<tr>
<td>JBoss Enterprise Application Platform - ELS</td>
</tr>
<tr>
<td>JBoss Enterprise Web Platform</td>
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<tr>
<td>JBoss Enterprise Web Server</td>
</tr>
<tr>
<td>Kernel Derivative Works for BluegeneQ</td>
</tr>
<tr>
<td>Kernel Derivative Works for HPC for Power Systems</td>
</tr>
<tr>
<td>MRG Grid</td>
</tr>
<tr>
<td>MRG Grid Execute</td>
</tr>
<tr>
<td>MRG Management</td>
</tr>
<tr>
<td>MRG Realtime</td>
</tr>
<tr>
<td>OLD Red Hat Enterprise Linux Server for ARM Development Preview</td>
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<tr>
<td>Oracle Java for RHEL Client</td>
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</tbody>
</table>
Red Hat Enterprise Linux Load Balancer for RHEL Server
Red Hat Enterprise Linux Load Balancer for RHEL Server - AUS
Red Hat Enterprise Linux Load Balancer for RHEL Server - Extended Update Support
Red Hat Enterprise Linux Resilient Storage for IBM z Systems

Red Hat Enterprise Linux Resilient Storage for RHEL Server

REPOSITORY SET
- Red Hat Enterprise Linux Resilient Storage (for RHEL 5 Server) (RPMs)
- Red Hat Enterprise Linux Resilient Storage (for RHEL 5 for IBM Power) (RPMs)
- Red Hat Enterprise Linux Resilient Storage (for RHEL 6 Server) (RPMs)
- Red Hat Enterprise Linux Resilient Storage (for RHEL 6 Server) - Fastrack (RPMs)

Red Hat Enterprise Linux Resilient Storage (for RHEL 7 Server) (RPMs)

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<tr>
<th>ENABLED?</th>
<th>REPOSITORY</th>
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<tbody>
<tr>
<td></td>
<td>Red Hat Enterprise Linux Resilient Storage for RHEL 7 Server RPMs x86_64 7.0</td>
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<td>Red Hat Enterprise Linux Resilient Storage for RHEL 7 Server RPMs x86_64 7.2</td>
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<tr>
<td></td>
<td>Red Hat Enterprise Linux Resilient Storage for RHEL 7 Server RPMs x86_64 7.3</td>
</tr>
<tr>
<td></td>
<td>Red Hat Enterprise Linux Resilient Storage for RHEL 7 Server RPMs x86_64 7Server</td>
</tr>
</tbody>
</table>

Red Hat Enterprise Linux Resilient Storage (for RHEL 7 Server) - Fastrack (RPMs)
## Red Hat Enterprise Linux High Availability for RHEL Server

### Repository Set

- Red Hat Enterprise Linux High Availability (for RHEL 5 Server) (RPMs)
- Red Hat Enterprise Linux High Availability (for RHEL 5 for IBM Power) (RPMs)
- Red Hat Enterprise Linux High Availability (for RHEL 6 Server) (RPMs)
- Red Hat Enterprise Linux High Availability (for RHEL 6 Server) - Fastrack (RPMs)
- Red Hat Enterprise Linux High Availability (for RHEL 7 Server) (RPMs)

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<th>Enabled?</th>
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<tbody>
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<td></td>
<td>Red Hat Enterprise Linux High Availability for RHEL 7 Server RPMs x86_64 7.0</td>
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<td></td>
<td>Red Hat Enterprise Linux High Availability for RHEL 7 Server RPMs x86_64 7.1</td>
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<tr>
<td></td>
<td>Red Hat Enterprise Linux High Availability for RHEL 7 Server RPMs x86_64 7.2</td>
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<td></td>
<td>Red Hat Enterprise Linux High Availability for RHEL 7 Server RPMs x86_64 7.3</td>
</tr>
<tr>
<td></td>
<td>Red Hat Enterprise Linux High Availability for RHEL 7 Server RPMs x86_64 7Server</td>
</tr>
</tbody>
</table>
- Red Hat Enterprise Linux High Availability for RHEL Server - AUS
- Red Hat Enterprise Linux High Availability for RHEL Server - Extended Update Support
Repositories - Mozilla Firefox

Red Hat ➤ Monitor ➤ Content ➤ Containers ➤ Hosts ➤ Configure ➤ Infrastructure ➤ Red Hat Insights ➤ Administer

Red Hat Enterprise Linux for SAP Hana
Red Hat Enterprise Linux for Scientific Computing
Red Hat Enterprise Linux High Availability for IBM z Systems

Red Hat Enterprise Linux High Availability for RHEL Server

REPOSITORY SET

- Red Hat Enterprise Linux High Availability (for RHEL 5 Server) (RPMs)
- Red Hat Enterprise Linux High Availability (for RHEL 5 for IBM Power) (RPMs)
- Red Hat Enterprise Linux High Availability (for RHEL 6 Server) (RPMs)
- Red Hat Enterprise Linux High Availability (for RHEL 6 Server) - Fastrack (RPMs)

Red Hat Enterprise Linux High Availability (for RHEL 7 Server) (RPMs)

<table>
<thead>
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<th>REPOSITORY</th>
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<tbody>
<tr>
<td>✔️</td>
<td>Red Hat Enterprise Linux High Availability for RHEL 7 Server RPMs x86_64 7.0</td>
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<tr>
<td>✔️</td>
<td>Red Hat Enterprise Linux High Availability for RHEL 7 Server RPMs x86_64 7.1</td>
</tr>
<tr>
<td>✔️</td>
<td>Red Hat Enterprise Linux High Availability for RHEL 7 Server RPMs x86_64 7.2</td>
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<tr>
<td>✔️</td>
<td>Red Hat Enterprise Linux High Availability for RHEL 7 Server RPMs x86_64 7.3</td>
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<tr>
<td>✔️</td>
<td>Red Hat Enterprise Linux High Availability for RHEL 7 Server RPMs x86_64 7Server</td>
</tr>
</tbody>
</table>

Red Hat Enterprise Linux High Availability for RHEL Server - AUS
Red Hat Enterprise Linux High Availability for RHEL Server - Extended Update Support
Repositories - Mozilla Firefox

Red Hat

Red Hat Enterprise Linux Desktop
- Red Hat Enterprise Linux EUS Compute Node
- Red Hat Enterprise Linux EUS Compute Node High Performance Networking
- Red Hat Enterprise Linux EUS Compute Node Scalable File System

Red Hat Enterprise Linux Fast Datapath

REPOSITORY SET

Red Hat Enterprise Linux Fast Datapath (RHEL 7 Server) (RPMs)

<table>
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<tr>
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<tbody>
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<td>Red Hat Enterprise Linux Fast Datapath RHEL 7 Server RPMs x86_64 7.1</td>
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<td>----------</td>
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<td>Red Hat Enterprise Linux Fast Datapath RHEL 7 Server RPMs x86_64 7Server</td>
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Red Hat Enterprise Linux for IBM z Systems

Red Hat Enterprise Linux for IBM z Systems - Extended Update Support

Red Hat Enterprise Linux for Power big endian

Red Hat Enterprise Linux for Power big endian - Extended Update Support

Red Hat Enterprise Linux for Power little endian

Red Hat Enterprise Linux for Power little endian - Extended Update Support
Red Hat Enterprise Linux Server

REPOSITORY SET

- RHN Tools for Red Hat Enterprise Linux 5 Server (RPMs)
- RHN Tools for Red Hat Enterprise Linux 6 Server (RPMs)
- RHN Tools for Red Hat Enterprise Linux 7 Server (RPMs)
- Red Hat Ceph Storage Tools 1.3 for Red Hat Enterprise Linux 7 Server (RPMs)
- Red Hat Ceph Storage Tools 2 for Red Hat Enterprise Linux 7 Server (RPMs)
- Red Hat CloudForms Tools for RHEL 5 (RPMs)
- Red Hat CloudForms Tools for RHEL 6 (RPMs)
- Red Hat Enterprise Linux 4 AS (RPMs)
- Red Hat Enterprise Linux 4 ES (RPMs)
- Red Hat Enterprise Linux 5 Server (RPMs)
- Red Hat Enterprise Linux 5 Server - Fastrack (RPMs)
- Red Hat Enterprise Linux 5 Server - Optional Productivity Applications (RPMs)
- Red Hat Enterprise Linux 5 Server - RH Common (RPMs)
- Red Hat Enterprise Linux 5 Server - Supplementary (RPMs)
- Red Hat Enterprise Linux 5 Server - Virtualization (RPMs)
- Red Hat Enterprise Linux 6 Server (RPMs)
- Red Hat Enterprise Linux 6 Server - Extras (RPMs)
- Red Hat Enterprise Linux 6 Server - Fastrack (RPMs)
Red Hat Enterprise Linux 6 Server - Supplementary (RPMs)

Red Hat Enterprise Linux 7 Server (RPMs)

- Red Hat Enterprise Linux 7 Server RPMs x86_64 7.0
- Red Hat Enterprise Linux 7 Server RPMs x86_64 7.1
- Red Hat Enterprise Linux 7 Server RPMs x86_64 7.2
- Red Hat Enterprise Linux 7 Server RPMs x86_64 7.3
- Red Hat Enterprise Linux 7 Server RPMs x86_64 7Server

Red Hat Enterprise Linux 7 Server - Extras (RPMs)

- Red Hat Enterprise Linux 7 Server - Extras RPMs x86_64

Red Hat Enterprise Linux 7 Server - Fasttrack (RPMs)

Red Hat Enterprise Linux 7 Server - Optional (RPMs)
### Red Hat Enterprise Linux 7 Server (RPMs)

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### Red Hat Enterprise Linux 7 Server - Extras (RPMs)

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### Red Hat Enterprise Linux 7 Server - Fastrack (RPMs)

### Red Hat Enterprise Linux 7 Server - Optional (RPMs)

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</table>
Red Hat Enterprise Linux 7 Server - RH Common (RPMs)

- Red Hat Enterprise Linux 7 Server - RH Common RPMs x86_64 7.0
- Red Hat Enterprise Linux 7 Server - RH Common RPMs x86_64 7.1
- Red Hat Enterprise Linux 7 Server - RH Common RPMs x86_64 7.2
- Red Hat Enterprise Linux 7 Server - RH Common RPMs x86_64 7.3
- Red Hat Enterprise Linux 7 Server - RH Common RPMs x86_64 7Server

Red Hat Enterprise Linux 7 Server - Supplementary (RPMs)

- Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.0
- Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.1
- Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.2
- Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.3
- Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7Server

Red Hat Enterprise Virtualization Agents for RHEL 5 Server (RPMs)

Red Hat Enterprise Virtualization Agents for RHEL 6 Server (RPMs)

Red Hat OpenStack Platform 10 Tools for RHEL 7 Server (RPMs)

Red Hat OpenStack Platform 8 Tools for RHEL 7 Server (RPMs)
Red Hat Enterprise Linux 7 Server - RH Common (RPMs)

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<td>✔</td>
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Red Hat Enterprise Linux 7 Server - Supplementary (RPMs)

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Red Hat Enterprise Virtualization Agents for RHEL 5 Server (RPMs)
Red Hat Enterprise Virtualization Agents for RHEL 6 Server (RPMs)
Red Hat OpenStack Platform 10 Tools for RHEL 7 Server (RPMs)
Red Hat OpenStack Platform 8 Tools for RHEL 7 Server (RPMs)
Red Hat OpenStack Platform 9 Tools for RHEL 7 Server (RPMs)
Red Hat

- Red Hat OpenStack Platform 10 Tools for RHEL 7 Server (RPMs)
- Red Hat OpenStack Platform 8 Tools for RHEL 7 Server (RPMs)
- Red Hat OpenStack Platform 9 Tools for RHEL 7 Server (RPMs)
- Red Hat OpenStack Tools 7.0 for Red Hat Enterprise Linux 7 Server (RPMs)

- Red Hat Satellite Tools 6.1 (for RHEL 5 Server) (RPMs)
- Red Hat Satellite Tools 6.1 (for RHEL 6 Server) (RPMs)
- Red Hat Satellite Tools 6.1 (for RHEL 7 Server) (RPMs)
- Red Hat Satellite Tools 6.2 (for RHEL 5 Server) (RPMs)
- Red Hat Satellite Tools 6.2 (for RHEL 6 Server) (RPMs)

- Red Hat Satellite Tools 6.2 (for RHEL 7 Server) (RPMs)

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<tr>
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<td>Red Hat Satellite Tools 6.2 for RHEL 7 Server RPMs x86_64</td>
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</tbody>
</table>

- Red Hat Storage Native Client for RHEL 5 (RPMs)
- Red Hat Storage Native Client for RHEL 6 (RPMs)
- Red Hat Storage Native Client for RHEL 7 (RPMs)
- Red Hat Subscription Asset Manager (for RHEL 6 Server) (RPMs)
- Red Hat Virt V2V Tool for RHEL 6 (RPMs)
- Red Hat Virt V2V Tool for RHEL 7 (RPMs)
- Red Hat Virtualization 4 Agents for RHEL 5 Server (RPMs)
- Red Hat Virtualization 4 Agents for RHEL 6 Server (RPMs)
Also sync the kickstart trees

- This will sync exact copies of what’s on the installation media.
Expand each Red Hat Product below to examine the different repository sets available. When enabling a repository set, the different repositories within are discovered and may be enabled individually.

### Enable Red Hat Repositories

<table>
<thead>
<tr>
<th>RPMs</th>
<th>Kickstarts</th>
<th>Source RPMs</th>
<th>Debug RPMs</th>
<th>Beta</th>
<th>ISOs</th>
<th>OSTree</th>
<th>Other</th>
</tr>
</thead>
</table>

**PRODUCT**
- Red Hat Enterprise Linux 7 Desktop High Touch Beta
- Red Hat Enterprise Linux 7 for HPC Compute Node High Touch Beta
- Red Hat Enterprise Linux 7 for IBM POWER High Touch Beta
- Red Hat Enterprise Linux 7 for IBM z Systems High Touch Beta
- Red Hat Enterprise Linux 7 Server High Touch Beta
- Red Hat Enterprise Linux 7 Workstation High Touch Beta
- Red Hat Enterprise Linux Atomic Host
- Red Hat Enterprise Linux Desktop
- Red Hat Enterprise Linux for IBM z Systems
- Red Hat Enterprise Linux for Power big endian
- Red Hat Enterprise Linux for Power little endian
- Red Hat Enterprise Linux for Scientific Computing
- Red Hat Enterprise Linux Server
Red Hat Enterprise Linux 7 for IBM z Systems High Touch Beta
Red Hat Enterprise Linux 7 Server High Touch Beta
Red Hat Enterprise Linux 7 Workstation High Touch Beta
Red Hat Enterprise Linux Atomic Host
Red Hat Enterprise Linux Desktop
Red Hat Enterprise Linux for IBM z Systems
Red Hat Enterprise Linux for Power big endian
Red Hat Enterprise Linux for Power little endian
Red Hat Enterprise Linux for Scientific Computing
Red Hat Enterprise Linux Server

REPOSITORY SET

- Red Hat Enterprise Linux 5 Server (Kickstart)
- Red Hat Enterprise Linux 6 Server (Kickstart)
- Red Hat Enterprise Linux 7 Server (Kickstart)

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<tr>
<th>ENABLED?</th>
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<tr>
<td></td>
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Red Hat Enterprise Linux Server for ARM
SYNC CONTENT
Synchronizing content

- Once you've chosen the content you want to sync to your Satellite server, you can do it manually.
## Sync Status

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>START TIME</th>
<th>DURATION</th>
<th>DETAILS</th>
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[https://satellite.redhat.com/katello/sync_management](https://satellite.redhat.com/katello/sync_management)
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<td>EPEL Repo</td>
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</table>

Synchronize Now
Hint: Sync the 7Server channels first

- 7Server is everything for the channel through today.
- 7.0 has all updates up to the 7.1 release
- 7.1 has everything from GA up to 7.2
- ...
<table>
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<th>Monitor</th>
<th>Content</th>
<th>Containers</th>
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<p>| Synchronize Now |</p>
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- Red Hat Enterprise Linux 7 Server - Optional RPMs x86_64 7.3
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- Red Hat Enterprise Linux 7 Server - RH Common RPMs x86_64 7.3
  - Never Synced
- Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.3
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- Red Hat Enterprise Linux 7 Server Kickstart x86_64 7.3
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  - Never Synced

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  - EPEL Repo
  - Never Synced
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7.2
- x86_64
  - Red Hat Enterprise Linux Resilient Storage for RHEL 7 Server RPMs x86_64 7.2

7.3
- x86_64
  - Red Hat Enterprise Linux Resilient Storage for RHEL 7 Server RPMs x86_64 7.3

7 Server
- x86_64
  - Red Hat Enterprise Linux Resilient Storage for RHEL 7 Server RPMs x86_64 7 Server

Red Hat OpenShift Container Platform
- Red Hat OpenShift Container Platform 3.5 RPMs x86_64

Red Hat Enterprise Linux High Availability for RHEL Server
- 7.0
  - x86_64
    - Red Hat Enterprise Linux High Availability for RHEL 7 Server RPMs x86_64 7.0

- 7.1
  - x86_64
    - Red Hat Enterprise Linux High Availability for RHEL 7 Server RPMs x86_64 7.1
Hint

- You can use `ifconfig` or `du -hs` to see how much content is being downloaded
ifconfig eth0

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 172.31.100.19 netmask 255.255.255.0 broadcast 172.31.100.255
    inet6 fe80::2339:537c:344c:7ccc prefixlen 64 scopeid 0x20<link>
    ether 00:1a:4a:16:01:52 txqueuelen 1000 (Ethernet)
    RX packets 2364801 bytes 3454436960 (3.2 GiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1062468 bytes 79610911 (75.9 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

ifconfig eth0

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 172.31.100.19 netmask 255.255.255.0 broadcast 172.31.100.255
    inet6 fe80::2339:537c:344c:7ccc prefixlen 64 scopeid 0x20<link>
    ether 00:1a:4a:16:01:52 txqueuelen 1000 (Ethernet)
    RX packets 6849324 bytes 10253548403 (9.5 GiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 3297615 bytes 229362942 (218.7 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

[root@satellite ~]#
### Red Hat Enterprise Linux 7 Server

- **Supplementary RPMs x86_64 7Server**
- **Kickstart x86_64 7.3**
- **RPMs x86_64 7.3**

#### x86_64

- **Optional RPMs x86_64 7Server**
- **RH Common RPMs x86_64 7Server**
- **Supplementary RPMs x86_64 7Server**
- **RPMs x86_64 7Server**

- **Satellite Tools 6.2 for RHEL 7 Server RPMs x86_64**
- **Extras RPMs x86_64**

#### Extra Packages for Enterprise Linux 7

- **EPel Repo**

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<th>Sync Status</th>
<th>New Packages</th>
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<td>1309/10892 (1.89 GB/17.4 GB).</td>
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<tr>
<td>Red Hat Enterprise Linux 7 Server - RH Common RPMs</td>
<td>Never Synced</td>
<td>137/228 (2.06 GB/4.49 GB).</td>
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<tr>
<td>Red Hat Enterprise Linux 7 Server - Supplementary RPMs</td>
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<td>118/188 (2.25 GB/4.66 GB).</td>
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<td>1184/14270 (1.73 GB/18.5 GB).</td>
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<td>Syncing Complete</td>
<td>95 (9.97 MB).</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server - Extras RPMs x86_64</td>
<td>Syncing Complete</td>
<td>465 (1.31 GB).</td>
</tr>
<tr>
<td>Package Description</td>
<td>Last Synced</td>
<td>Last Synced Time</td>
</tr>
<tr>
<td>----------------------------------------------------------</td>
<td>-------------</td>
<td>------------------</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server - Optional RPMs x86_64 7.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server - RH Common RPMs x86_64 7.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server - Kickstart x86_64 7.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server RPMs x86_64 7.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server - Optional RPMs x86_64 7Server</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server - RH Common RPMs x86_64 7Server</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7Server</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server RPMs x86_64 7Server</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Hat Satellite Tools 6.2 for RHEL 7 Server RPMs x86_64</td>
<td>about 9 hours ago</td>
<td>about 1 hour</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server - Extras RPMs x86_64</td>
<td>about 9 hours ago</td>
<td>about 2 hours</td>
</tr>
<tr>
<td>Extra Packages for Enterprise Linux 7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EPEL Repo</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The next sync will be much faster

- Since the 7Server channels contain everything, syncs of 7.0, 7.1, etc. will be much faster.
<table>
<thead>
<tr>
<th>Category</th>
<th>Version</th>
<th>Status</th>
<th>Red Hat Insights</th>
<th>Syncing Complete</th>
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<tr>
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<td>7.3</td>
<td>Syncing Complete</td>
<td>about 1 hour ago</td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server RPMs x86_64 7.2</td>
<td></td>
<td></td>
<td>about 1 hour ago</td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server x86_64</td>
<td></td>
<td></td>
<td>about 1 hour ago</td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server - Optional RPMs x86_64 7.3</td>
<td></td>
<td></td>
<td>about 1 hour ago</td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server - RH Common RPMs x86_64 7.3</td>
<td></td>
<td></td>
<td>about 1 hour ago</td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.3</td>
<td></td>
<td></td>
<td>about 1 hour ago</td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server Kickstart x86_64 7.3</td>
<td></td>
<td></td>
<td>about 1 hour ago</td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server RPMs x86_64 7.3</td>
<td></td>
<td></td>
<td>about 1 hour ago</td>
<td></td>
</tr>
<tr>
<td>Extra Packages for Enterprise Linux 7</td>
<td></td>
<td></td>
<td>about 1 hour ago</td>
<td></td>
</tr>
<tr>
<td>EPEL Repo</td>
<td></td>
<td></td>
<td>about 1 hour ago</td>
<td></td>
</tr>
<tr>
<td>Red Hat Satellite Tools 6.2 for RHEL 7 Server RPMs x86_64</td>
<td></td>
<td></td>
<td>about 1 hour ago</td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server - Extras RPMs x86_64</td>
<td></td>
<td></td>
<td>about 1 hour ago</td>
<td></td>
</tr>
</tbody>
</table>
SCHEDULE SYNCS
Create a new sync plan

- Schedule it for whatever makes sense in your environment
- Here, I chose 2am
You currently don't have any Sync Plans. A Sync Plan can be created by using the button on the right.
New Sync Plan

You currently don't have any Sync Plans. A Sync Plan can be created by using the button on the right.

Name: Nightly Sync

Description:

Interval: daily

Start Date: 2017-04-24

Start Time: 02:00

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

Cancel  Save
Add products to the plan
## Sync Plan Nightly Sync

### Basic Information

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Nightly Sync</td>
</tr>
<tr>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>Start Date</td>
<td>2017/04/24 02:00:00 CDT</td>
</tr>
<tr>
<td>Next Sync</td>
<td>2017/04/25 02:00:00 CDT</td>
</tr>
<tr>
<td>Sync Enabled</td>
<td>Yes</td>
</tr>
<tr>
<td>Interval</td>
<td>daily</td>
</tr>
</tbody>
</table>

---

**Run Sync Plan**

**Remove Sync Plan**

**Close**
Sync Plans

Sync Plan Nightly Sync

Details Products

Product Management

List/Remove Add

Filter

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Sync Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra Packages for Enterprise Linux 7</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
</tr>
<tr>
<td>Puppet MOTD</td>
<td></td>
<td>Never synced</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux Fast Datapath</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux High Availability for RHEL Server</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux Resilient Storage for RHEL Server</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux Server</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
</tr>
</tbody>
</table>
### Sync Plan Nightly Sync

#### Details

#### Products

**Product Management**

- **List/Remove**
- **Add**

**Filter**

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Sync Status</th>
<th>Repositories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra Packages for Enterprise Linux 7</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
<td></td>
</tr>
<tr>
<td>Puppet MOTD</td>
<td></td>
<td>Never synced</td>
<td>1</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux Fast Datapath</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
<td>3</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux High Availability for RHEL Server</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
<td>5</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux Resilient Storage for RHEL Server</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
<td>5</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux Server</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
<td>26</td>
</tr>
</tbody>
</table>
### Sync Plan: Nightly Sync

#### Details

**Product Management**

- **List/Remove**
- **Add**

#### Products

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Sync Status</th>
<th>Repositories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra Packages for Enterprise Linux 7</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
<td>1</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux Fast Datapath</td>
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<td>3</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux High Availability for RHEL Server</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
<td>5</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux Resilient Storage for RHEL Server</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
<td>5</td>
</tr>
<tr>
<td>Red Hat OpenShift Container Platform</td>
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<td>26</td>
</tr>
<tr>
<td>Red Hat OpenShift Container Platform</td>
<td></td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>
LOCATIONS
What are locations?

- “Locations divide organizations into logical groups based on geographical location. Each location is created and used by a single Red Hat customer account, although each account can manage multiple locations and organizations.”
Sync Plan Nightly Sync

### Product Management

| Name                                      | Description                          | Sync Status                        | Repositories
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra Packages for Enterprise Linux 7</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
<td>1</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux Fast Datapath</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
<td>3</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux High Availability for RHEL Server</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
<td>5</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux Resilient Storage for RHEL Server</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
<td>5</td>
</tr>
<tr>
<td>Red Hat OpenShift Container Platform</td>
<td></td>
<td>Last synced about 1 hour ago.</td>
<td>26</td>
</tr>
</tbody>
</table>
Locations

<table>
<thead>
<tr>
<th>Name</th>
<th>Hosts</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Austin</td>
<td>0</td>
<td>Edit</td>
</tr>
</tbody>
</table>

Displaying 1 entry
Edit Austin

Name: Austin

Description:

Users
Capsules
Subnets
Compute Resources
Media
Provisioning Templates
Partition Tables
Domains
Realms
Environments
New Location

1. Create Location
2. Select Hosts
3. Edit Properties

Parent

Name *
Dallas

Description

Cancel  Submit
Edit Dallas

Parent: [Blank]

Name: Dallas

Description: [Blank]
Edit Dallas

Domains

Selected items:
- tc.redhat.com
### Locations

<table>
<thead>
<tr>
<th>Name</th>
<th>Hosts</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Austin</td>
<td>0</td>
<td>Edit</td>
</tr>
<tr>
<td>Dallas</td>
<td>0</td>
<td>Edit</td>
</tr>
<tr>
<td>Houston</td>
<td>0</td>
<td>Edit</td>
</tr>
</tbody>
</table>

Displaying all 3 entries

Success: Successfully updated Houston.
LIFECYCLE ENVIRONMENTS
What are lifecycle environments?

- “Application life cycles are divided into life cycle environments, which represent each stage of the application life cycle. Life cycle environments are linked to form an environment path. You can promote content along the environment path to the next life cycle environment when required. For example, if development ends on a particular version of an application, you can promote this version to the testing environment and start development on the next version.”

## Locations

### Lifecycle Environments

<table>
<thead>
<tr>
<th>Name</th>
<th>Products</th>
<th>GPG keys</th>
<th>Sync Status</th>
<th>Sync Plans</th>
<th>Hosts</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Austin</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Dallas</td>
<td></td>
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<td>0</td>
<td></td>
</tr>
<tr>
<td>Houston</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Displaying all 3 entries
# Lifecycle Environment Paths

## Library

<table>
<thead>
<tr>
<th>Content Views</th>
<th>Products</th>
<th>Yum Repositories</th>
<th>OSTree Repositories</th>
<th>Docker Repositories</th>
<th>Packages</th>
<th>Errata</th>
<th>Puppet Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>7</td>
<td>41</td>
<td>0</td>
<td>0</td>
<td>48416</td>
<td>14806</td>
<td>3</td>
</tr>
</tbody>
</table>
New Environment

Adding Lifecycle Environment to the end of "Library"

- **Name**: Development
- **Label**: Development
- **Description**: 

[Buttons: Cancel, Save]
# Lifecycle Environment Paths

## Library

<table>
<thead>
<tr>
<th>Feature</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Views</td>
<td>0</td>
</tr>
<tr>
<td>Products</td>
<td>7</td>
</tr>
<tr>
<td>Yum Repositories</td>
<td>41</td>
</tr>
<tr>
<td>OSTree Repositories</td>
<td>0</td>
</tr>
<tr>
<td>Docker Repositories</td>
<td>0</td>
</tr>
<tr>
<td>Packages</td>
<td>48416</td>
</tr>
<tr>
<td>Errata</td>
<td>14806</td>
</tr>
<tr>
<td>Puppet Modules</td>
<td>3</td>
</tr>
</tbody>
</table>

## Development

<table>
<thead>
<tr>
<th>Feature</th>
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</thead>
<tbody>
<tr>
<td>Content Views</td>
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</tr>
<tr>
<td>Content Hosts</td>
<td>0</td>
</tr>
</tbody>
</table>
New Environment

Adding Lifecycle Environment to the end of "Development"

Name *: Quality Assurance
Label *: Quality_Assurance
Description:

Cancel  Save
# Lifecycle Environment Paths

<table>
<thead>
<tr>
<th>Library</th>
<th>Content Views</th>
<th>Products</th>
<th>Yum Repositories</th>
<th>OSTree Repositories</th>
<th>Docker Repositories</th>
<th>Packages</th>
<th>Errata</th>
<th>Puppet Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Library</td>
<td>0</td>
<td>7</td>
<td>41</td>
<td>0</td>
<td>0</td>
<td>48416</td>
<td>14806</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Development</th>
<th>Quality Assurance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Views</td>
<td>0</td>
</tr>
<tr>
<td>Content Hosts</td>
<td>0</td>
</tr>
</tbody>
</table>

[Add New Environment]
New Environment

Adding Lifecycle Environment to the end of "Quality Assurance"

Name *: Production
Label *: Production
Description: 

Cancel  Save
# Lifecycle Environment Paths

<table>
<thead>
<tr>
<th>Library</th>
<th>Content Views</th>
<th>Products</th>
<th>Yum Repositories</th>
<th>OSTree Repositories</th>
<th>Docker Repositories</th>
<th>Packages</th>
<th>Errata</th>
<th>Puppet Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>7</td>
<td>41</td>
<td>0</td>
<td>0</td>
<td>48416</td>
<td>14806</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Development</th>
<th>Quality Assurance</th>
<th>Production</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Views</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Content Hosts</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
CONTENT VIEWS
What are 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 in the previous chapter, 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.”

Add repositories

- Note that we’re moving away from “Red Hat Common” and now you should use “Satellite Tools.”
You currently don’t have any Content Views. A Content View can be added by using the button on the right.
You currently don’t have any Content Views. A Content View can be added by using the button on the right.

New Content View

View Details

- Name: RHEL 7 Server
- Label: RHEL_7_Server
- Description: 

Composite View?

A composite view contains other content views.

[Save]
Satellite 6.1 and 6.2 now requires the use of the Satellite Tools repositories which replaces the use of Red Hat Common for client libraries

Environment

Red Hat Satellite 6.1 and 6.2

Incompatible versions:

- katello-agent-1.5.*
- gofer-1.3.*
### RHEL 7 Server Base

**Versions**

<table>
<thead>
<tr>
<th>Product</th>
<th>Last Sync</th>
<th>Sync State</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>97 Packages</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9 Errata</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>415 Packages</td>
</tr>
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<td></td>
<td></td>
<td></td>
<td>5 Errata</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>366 Packages</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>89 Errata</td>
</tr>
</tbody>
</table>

**Yum Content**

<table>
<thead>
<tr>
<th>Product</th>
<th>Last Sync</th>
<th>Sync State</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>97 Packages</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9 Errata</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>415 Packages</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5 Errata</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>366 Packages</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>89 Errata</td>
</tr>
</tbody>
</table>

**Repository Selection**

- **List/Remove**
  - Add

**Filter**

- All Products

---

**Repositories for Content View: RHEL 7 Server Base - Mozilla Firefox**

<table>
<thead>
<tr>
<th>Product</th>
<th>Last Sync</th>
<th>Sync State</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>97 Packages</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9 Errata</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>415 Packages</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5 Errata</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>366 Packages</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>89 Errata</td>
</tr>
</tbody>
</table>
### Content Views

<table>
<thead>
<tr>
<th>Name</th>
<th>Server</th>
<th>Version</th>
<th>Date</th>
<th>Result</th>
<th>Packages</th>
<th>Errata</th>
</tr>
</thead>
<tbody>
<tr>
<td>RHEL 7 Server Base</td>
<td>Server</td>
<td>x86_64 7.3</td>
<td>2017-04-24</td>
<td>Success</td>
<td>30</td>
<td>0</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server</td>
<td>Red Hat Enterprise Linux Server</td>
<td>x86_64 7.2</td>
<td>2017-04-24</td>
<td>Success</td>
<td>162</td>
<td>25</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server</td>
<td>Red Hat Enterprise Linux Server</td>
<td>x86_64 7.1</td>
<td>2017-04-24</td>
<td>Success</td>
<td>81</td>
<td>11</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server</td>
<td>Red Hat Enterprise Linux Server</td>
<td>x86_64 7.0</td>
<td>2017-04-24</td>
<td>Success</td>
<td>52</td>
<td>6</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server</td>
<td>Red Hat Enterprise Linux Server</td>
<td>x86_64 7.3</td>
<td>2017-04-24</td>
<td>Success</td>
<td>14275</td>
<td>1885</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server</td>
<td>Red Hat Enterprise Linux Server</td>
<td>x86_64 7.2</td>
<td>2017-04-24</td>
<td>Success</td>
<td>11412</td>
<td>1301</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server</td>
<td>Red Hat Enterprise Linux Server</td>
<td>x86_64 7.1</td>
<td>2017-04-24</td>
<td>Success</td>
<td>7871</td>
<td>677</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server</td>
<td>Red Hat Enterprise Linux Server</td>
<td>x86_64 7.0</td>
<td>2017-04-24</td>
<td>Success</td>
<td>5343</td>
<td>188</td>
</tr>
</tbody>
</table>
### RHEL 7 Server Base

#### Repository Selection

<table>
<thead>
<tr>
<th>List/Remove</th>
<th>Add</th>
</tr>
</thead>
</table>

#### All Products

<table>
<thead>
<tr>
<th>Name</th>
<th>Product</th>
<th>Last Sync</th>
<th>Sync State</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Hat Satellite Tools 6.2 for RHEL 7 Server RPMs x86_64</td>
<td>Red Hat Enterprise Linux Server</td>
<td>2017-04-24 08:20:00 -0500</td>
<td>Success</td>
<td>97 Packages 9 Errata</td>
</tr>
<tr>
<td>Red Hat OpenShift Container Platform 3.5 RPMs x86_64</td>
<td>Red Hat OpenShift Container Platform</td>
<td>2017-04-24 08:19:50 -0500</td>
<td>Success</td>
<td>415 Packages 5 Errata</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux Resilient Storage for RHEL 7 Server RPMs x86_64 7Server</td>
<td>Red Hat Enterprise Linux Resilient Storage for RHEL Server</td>
<td>2017-04-24 08:27:07 -0500</td>
<td>Success</td>
<td>366 Packages 89 Errata</td>
</tr>
</tbody>
</table>
Content Views

RHEL 7 Server Base

Content View updated.

Repository Selection

List/Remove  Add

All Products  Filter

+ Add Repositories
Repositories for Content View: RHEL 7 Server Base - Mozilla Firefox

Content Views

Filter... Q Search Show 1 of 1 (1 Total)

Name
RHEL 7 Server Base

RHEL 7 Server Base

Versions
Yum Content
Repositories
Filters

All Products

<table>
<thead>
<tr>
<th>Name</th>
<th>Product</th>
<th>Last Sync</th>
<th>Sync State</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Hat Satellite Tools 6.2 for RHEL 7 Server RPMs x86_64 7.3</td>
<td>Red Hat Enterprise Linux Server</td>
<td>2017-04-24 08:20:00 -0500</td>
<td>Success</td>
<td>97 Packages 9 Errata</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server RPMs x86_64 7.3</td>
<td>Red Hat Enterprise Linux Server</td>
<td>2017-04-24 08:39:15 -0500</td>
<td>Success</td>
<td>14275 Packages 1885 Errata</td>
</tr>
</tbody>
</table>
You currently don't have any Filters included in this Content View, you can add a new Filter by using the button on the right.
Content Views

RHEL 7 Server Base

emacs filter (Exclude RPM)

Details | RPMs | Affected repositories | all

Package successfully added.

- Exclude all RPMs with no errata.

<table>
<thead>
<tr>
<th>RPM Name</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>emacs</td>
<td>All Versions</td>
</tr>
</tbody>
</table>
Content Views

RHEL 7 Server Base

Currently Selected Puppet Modules

You currently don't have any Puppet Modules included in this Content View, you can add Puppet Modules using the button on the right.
# RHEL 7 Server Base

## Versions

### Yum Content

#### Puppet Modules

<table>
<thead>
<tr>
<th>Author</th>
<th>Version</th>
<th>Summary</th>
<th>Repositories</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>puppetlabs</td>
<td>Use Latest (currently 1.4.0)</td>
<td>A simple module to demonstrate managing /etc/motd or Windows Logon Message as a template</td>
<td></td>
<td>Select Version</td>
</tr>
<tr>
<td>puppetlabs</td>
<td>1.4.0</td>
<td>A simple module to demonstrate managing /etc/motd or Windows Logon Message as a template</td>
<td></td>
<td>Select Version</td>
</tr>
</tbody>
</table>
## RHEL 7 Server Base

### Currently Selected Puppet Modules

<table>
<thead>
<tr>
<th>Name</th>
<th>Author</th>
<th>Version</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>motd</td>
<td>puppetlabs</td>
<td>Latest (Currently 1.4.0)</td>
<td>Select new version, Remove Module</td>
</tr>
</tbody>
</table>
Content Views

RHEL 7 Server Base

Currently Selected Puppet Modules

<table>
<thead>
<tr>
<th>Name</th>
<th>Author</th>
<th>Version</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>stdlib</td>
<td>puppetlabs</td>
<td>Latest (Currently 4.16.0)</td>
<td>Select new version, Remove Module</td>
</tr>
<tr>
<td>registry</td>
<td>puppetlabs</td>
<td>Latest (Currently 1.1.4)</td>
<td>Select new version, Remove Module</td>
</tr>
<tr>
<td>motd</td>
<td>puppetlabs</td>
<td>Latest (Currently 1.4.0)</td>
<td>Select new version, Remove Module</td>
</tr>
</tbody>
</table>
RHEL 7 Server Base

Publish New Version

A new version of RHEL 7 Server Base will be created and promoted to the Library environment. It can be promoted to other environments from the Versions tab of this Content View.

Version Details

Version 1

Description
Publish New Version

A new version of RHED 7 Server Base will be created and promoted to the Library environment. It can be promoted to other environments from the Versions tab of this Content View.

Version Details

- **Version**: 1
- **Description**: First version of RHED 7 Server base CV
Content Views

Showing 1 of 1 (1 Total)

Name

RHEL 7 Server Base

Many Content View actions are disabled while a version task is in progress.

RHEL 7 Server Base

<table>
<thead>
<tr>
<th>Version</th>
<th>Status</th>
<th>Environments</th>
<th>Content</th>
<th>Description</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version 1.0</td>
<td>Publishing and promoting to 1 environment.</td>
<td>Library</td>
<td></td>
<td>First version of RHEL 7 ...</td>
<td>Promote</td>
</tr>
</tbody>
</table>
## Content Views

### RHEL 7 Server Base

**Versions** | **Yum Content** | **Puppet Modules** | **Docker Content** | **OSTree Content** | **History** | **Details** | **Tasks**
---|---|---|---|---|---|---|---
**Version 1.0** | Published (2017-04-24 14:37:00 -0500) | Library | 14369 Packages 1893 Errata (386) 1237 (270) 3 Puppet Modules | | | | 

**Status:** Published  
**Environments:** Library  
**Content:**  
14369 Packages  
1893 Errata (386)  
1237 (270)  
3 Puppet Modules  

**Description:** First version of RHEL 7 ...

**Actions:**  
- [Promote]  
- [Remove]
RHEL 7 Server Base

Promote Version 1.0

Choose a lifecycle environment from the available promotion paths.

⭐ Starred environments are suggested for promotion.

Library ⭐ Development □ Quality Assurance □ Production

Promote Version  Cancel
### RHEL 7 Server Base

**Version 1.0**
- **Status**: Promoted to Development (2017-04-24 14:50:14 -0500)
- **Environments**: Library Development
- **Content**:
  - 14369 Packages
  - 1893 Errata (386)
  - 1237 (270)
  - 3 Puppet Modules
- **Description**: First version of RHEL 7...

**Actions**:
- Promote
- Remove
## RHEL 7 Server Base

<table>
<thead>
<tr>
<th>Version</th>
<th>Status</th>
<th>Environments</th>
<th>Content</th>
<th>Description</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version 1.0</td>
<td>Promoted to Production (2017-04-24 14:58:07 -0500)</td>
<td>Library, Development, Quality Assurance, Production</td>
<td>14369 Packages, 1893 Errata (386), 1237 (270)</td>
<td>First version of RHEL 7 ...</td>
<td>Promote, Remove</td>
</tr>
<tr>
<td>Name</td>
<td>Composite View?</td>
<td>Last Published</td>
<td>Environments</td>
<td>Repositories</td>
<td></td>
</tr>
<tr>
<td>-------------------</td>
<td>-----------------</td>
<td>------------------------</td>
<td>---------------------------------------------</td>
<td>--------------</td>
<td></td>
</tr>
<tr>
<td>RHEL 7 Server Base</td>
<td>No</td>
<td>2017-04-24 14:37:00 -0500</td>
<td>Library, Development, Quality Assurance, Production</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Content</td>
<td>Date</td>
<td>Status</td>
<td>Packages</td>
<td>Errata</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>---------</td>
<td>-----------------------</td>
<td>----------</td>
<td>----------</td>
<td>--------</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server - Optional RPMs x86_64 7.3</td>
<td></td>
<td>2017-04-24 08:31:07 -0500</td>
<td>Success</td>
<td>10893 Packages</td>
<td>1268 Errata</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7 Server Kickstart x86_64 7.3</td>
<td></td>
<td>2017-04-24 08:35:59 -0500</td>
<td>Success</td>
<td>4751 Packages</td>
<td>0 Errata</td>
</tr>
<tr>
<td>Name</td>
<td>Content</td>
<td>Success</td>
<td>Packages</td>
<td>Errata</td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>---------</td>
<td>---------</td>
<td>----------</td>
<td>--------</td>
<td></td>
</tr>
<tr>
<td>x86_64 7.3</td>
<td>Red Hat Enterprise Linux 7 Server - Optional RPMs x86_64 7.2</td>
<td>Success</td>
<td>6261 Packages</td>
<td>474 Errata</td>
<td></td>
</tr>
<tr>
<td>x86_64 7.1</td>
<td>Red Hat Enterprise Linux 7 Server - Optional RPMs x86_64 7.0</td>
<td>Success</td>
<td>4650 Packages</td>
<td>156 Errata</td>
<td></td>
</tr>
<tr>
<td>x86_64 7.0</td>
<td>Red Hat Enterprise Linux 7 Server Kickstart x86_64 7.3</td>
<td>Success</td>
<td>4751 Packages</td>
<td></td>
<td></td>
</tr>
<tr>
<td>x86_64 7.2</td>
<td>Red Hat Enterprise Linux 7 Server Kickstart x86_64 7.1</td>
<td>Success</td>
<td>4620 Packages</td>
<td></td>
<td></td>
</tr>
<tr>
<td>x86_64 7.1</td>
<td>Red Hat Enterprise Linux 7 Server Kickstart x86_64 7.0</td>
<td>Success</td>
<td>4371 Packages</td>
<td></td>
<td></td>
</tr>
<tr>
<td>x86_64 7.0</td>
<td>Red Hat Enterprise Linux 7 Server Kickstart x86_64 7.0</td>
<td>Success</td>
<td>4305 Packages</td>
<td></td>
<td></td>
</tr>
<tr>
<td>x86_64 7.0</td>
<td>Red Hat Enterprise Linux 7 Server Kickstart x86_64 7.0</td>
<td>Success</td>
<td>465 Packages</td>
<td>357 Errata</td>
<td></td>
</tr>
<tr>
<td>EPEL Repo</td>
<td>Extra Packages for Enterprise Linux 7</td>
<td>Success</td>
<td>11550 Packages</td>
<td>3651 Errata</td>
<td></td>
</tr>
</tbody>
</table>
Repositories for Content View: Web Server - Mozilla Firefox

Content Views

Filter... Search

Showing 2 of 2 (2 Total)

0 Selected + Create New View

Name
Web Server ➔
RHEL 7 Server Base

Web Server

Versions Yum Content ➔ Puppet Modules Docker Content OSTree Content History Details Tasks

Content View updated.

Repository Selection
List/Remove Add

All Products Filter

+ Add Repositories
## Content Views

### Web Server

**Versions**

- **Yum Content**

**Repository Selection**

- **List/Remove**
- **Add**

<table>
<thead>
<tr>
<th>Name</th>
<th>Product</th>
<th>Last Sync</th>
<th>Sync State</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Hat Enterprise Linux 7 Server - Optional RPMs</td>
<td>Red Hat Enterprise Linux Server</td>
<td>2017-04-24 08:31:07 -0500</td>
<td>Success</td>
<td>10893 Packages 1268 Errata</td>
</tr>
<tr>
<td>EPEL Repo</td>
<td>Extra Packages for Enterprise Linux 7</td>
<td>2017-04-24 08:54:33 -0500</td>
<td>Success</td>
<td>11550 Packages 3651 Errata</td>
</tr>
</tbody>
</table>
## Content Views

### Web Server

<table>
<thead>
<tr>
<th>Name</th>
<th>Product</th>
<th>Last Sync</th>
<th>Sync State</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Hat Enterprise Linux 7 Server - Optional RPMs</td>
<td>Red Hat Enterprise Linux Server</td>
<td>2017-04-24 08:31:07 -0500</td>
<td>Success</td>
<td>10893 Packages 1268 Errata</td>
</tr>
<tr>
<td>EPEL Repository</td>
<td>Extra Packages for Enterprise Linux 7</td>
<td>2017-04-24 08:54:33 -0500</td>
<td>Success</td>
<td>11550 Packages 3651 Errata</td>
</tr>
</tbody>
</table>

**Repository Filters**

- List/Remove
- Add

**Yum Content**

- Version: RHEL 7 Server Base

**Repositories**

- Filters
You currently don’t have any Filters included in this Content View. You can add a new Filter by using the button on the right.
Add New Filter

Name *
Drupal7

Content Type *
Package

Inclusion Type *
Include

Description
This will allow only those packages in Optional and EPEL needed for drupal7, and no more.

Cancel  Save
Content Views

Web Server

Versions | Yum Content | Puppet Modules | Docker Content | OSTree Content | History | Details | Tasks

Filters > Drupal7

Drupal7 (Include RPM)

Details | RPMs | Affected repositories 2

Filter

- Include all RPMs with no errata.

<table>
<thead>
<tr>
<th>RPM Name</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>php-mb</td>
<td>All Versions</td>
</tr>
<tr>
<td>php-mbstring</td>
<td>All Versions</td>
</tr>
</tbody>
</table>
## Content Views

### Filters

- Drupal7

### Drupal7 (Include RPM)

#### Details

- Package successfully added.

#### RPMs

<table>
<thead>
<tr>
<th>RPM Name</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>drupal7</td>
<td>All Versions</td>
</tr>
<tr>
<td>php-mbstring</td>
<td>All Versions</td>
</tr>
</tbody>
</table>
Publish New Version

A new version of Web Server will be created and promoted to the Library environment. It can be promoted to other environments from the Versions tab of this Content View.

Version Details

<table>
<thead>
<tr>
<th>Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>First release of the Web Server CV</td>
</tr>
</tbody>
</table>
Publish New Version

A new version of Web Server will be created and promoted to the Library environment. It can be promoted to other environments from the Versions tab of this Content View.

Version Details

Version 1

Description: First release of the Web Server CV
## Content Views

**Web Server**

<table>
<thead>
<tr>
<th>Version</th>
<th>Status</th>
<th>Environments</th>
<th>Content</th>
<th>Description</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version 1.0</td>
<td>Green</td>
<td>Publishing and promoting to 1 environment.</td>
<td>Library</td>
<td>First release of the Web Server Content View</td>
<td>Promote, Remove</td>
</tr>
</tbody>
</table>
### Web Server

#### Versions

<table>
<thead>
<tr>
<th>Version</th>
<th>Status</th>
<th>Environments</th>
<th>Content</th>
<th>Description</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version 1.0</td>
<td>Published (2017-04-24 15:13:41 -0500)</td>
<td>Library</td>
<td>1 Packages 1 Errata (0 △ 1 ▲ 0 ◄)</td>
<td>First release of the Web Server</td>
<td>✏️ Promote @ Remove</td>
</tr>
</tbody>
</table>
### Web Server

<table>
<thead>
<tr>
<th>Version</th>
<th>Status</th>
<th>Environments</th>
<th>Content</th>
<th>Description</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version 1.0</td>
<td>Promoted to Production (2017-04-24 15:25:40 -0500)</td>
<td>Library, Development, Quality Assurance Production</td>
<td>1 Packages, 1 Errata (0 ▲ 1 ▼ 0 ▲ 0 ▼)</td>
<td>First release of the Web Server to Production</td>
<td>Promote, Remove</td>
</tr>
<tr>
<td>Name</td>
<td>Composite View?</td>
<td>Last Published</td>
<td>Environments</td>
<td>Repositories</td>
<td></td>
</tr>
<tr>
<td>-------------------</td>
<td>-----------------</td>
<td>----------------------</td>
<td>---------------------------------------------------</td>
<td>--------------</td>
<td></td>
</tr>
<tr>
<td>RHEL 7 Server Base</td>
<td>No</td>
<td>2017-04-24 14:37:00 -0500</td>
<td>Library, Development, Quality Assurance, Production</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>
New Content View

View Details

- **Name**: drupal7 server CCV
- **Label**: drupal7_server_CCV
- **Description**: 
- **Composite**: checked

A composite view contains other content views.

[Cancel] [Save]
In order to add a content view to a composite view you must first publish an initial version of the content view.

<table>
<thead>
<tr>
<th>Name</th>
<th>Version</th>
<th>Environment</th>
<th>Description</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>RHEL 7 Server Base</td>
<td>Version 1</td>
<td>Library, Development, Quality Assurance, Production</td>
<td></td>
<td>2 Repositories, 3 Puppet Modules</td>
</tr>
<tr>
<td>Web Server</td>
<td>Version 1</td>
<td>Library, Development, Quality Assurance, Production</td>
<td></td>
<td>2 Repositories, 0 Puppet Modules</td>
</tr>
</tbody>
</table>
In order to add a content view to a composite view you must first publish an initial version of the content view.

<table>
<thead>
<tr>
<th>Name</th>
<th>Version</th>
<th>Environment</th>
<th>Description</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>RHEL 7 Server Base</td>
<td>Version 1</td>
<td>Library, Development, Quality Assurance, Production</td>
<td></td>
<td>2 Repositories 3 Puppet Modules</td>
</tr>
<tr>
<td>Web Server</td>
<td>Version 1</td>
<td>Library, Development, Quality Assurance, Production</td>
<td></td>
<td>2 Repositories 0 Puppet Modules</td>
</tr>
</tbody>
</table>
Composite Content View drupal7 server CCV

Content View updated.

List/Remove Add

Filter...
GOTCHA

- Pay attention to the version number of the included CV!
- It does not auto-increment when you promote content within the included CV.
Publish New Version

A new version of drupal7 server CCV will be created and promoted to the Library environment. It can be promoted to other environments from the Versions tab of this Content View.

Version Details

<table>
<thead>
<tr>
<th>Version</th>
<th>1</th>
</tr>
</thead>
</table>

| Description | Version 1 of the CCV for drupal7 servers |
Publish New Version

A new version of drupal7 server CCV will be created and promoted to the Library environment. It can be promoted to other environments from the Versions tab of this Content View.

Version Details

Version  1

Description | Version 1 of the CCV for drupal7 servers
Many Content View actions are disabled while a version task is in progress.

Composite Content View drupal7 server CCV

<table>
<thead>
<tr>
<th>Version</th>
<th>Status</th>
<th>Environments</th>
<th>Content</th>
<th>Description</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version 1.0</td>
<td>Publishing and promoting to 1 environment.</td>
<td>Library</td>
<td></td>
<td>Version 1 of the CCV for...</td>
<td>Promote, Remove</td>
</tr>
</tbody>
</table>
Composite Content View drupal7 server CCV

Successfully published drupal7 server CCV version 1.0 and promoted to Library

<table>
<thead>
<tr>
<th>Version</th>
<th>Status</th>
<th>Environments</th>
<th>Content</th>
<th>Description</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version 1.0</td>
<td>Published (2017-04-24 15:28:20 -0500)</td>
<td>Library</td>
<td>14370 Packages</td>
<td>Version 1 of the CCV fo...</td>
<td>[Promote], [Remove]</td>
</tr>
</tbody>
</table>
### Composite Content View: drupal7 server CCV

<table>
<thead>
<tr>
<th>Version</th>
<th>Status</th>
<th>Environments</th>
<th>Content</th>
<th>Description</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version 1.0</td>
<td>Promoted to Production (2017-04-24 15:53:53 -0500)</td>
<td>Library, Development, Quality Assurance, Production</td>
<td>14370 Packages, 1894 Errata (386), 1238 (270)</td>
<td>Version 1 of the CCV for Drupal 7 server</td>
<td>Promote, Remove</td>
</tr>
</tbody>
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