# RED HAT SATELLITE POWER USER TIPS AND TRICKS

Thomas Cameron, RHCA, RHCDS, RHCSS, RHCVA, RHCX
Global Cloud Strategy Evangelist

# HOWDY!



redhat.

# Howdy!

- I'm Thomas Cameron - thomas@redhat.com
- I've been at Red Hat about 10 years
- I'm in the Infrastructure Business Group, in engineering
- I live in Austin, and I work all over the world
- You can follow me on Twitter at @thomasdcameron
- This abbreviated slide deck will be available on the Summit web site, and the full deck
- will be on my Red Hat people page:
  - http://people.redhat.com/tcameron
- We're going to move FAST. I'm going to touch on a BUNCH of concepts, and it's going
- to seem like I'm bouncing around a bit. Because, well, I am.
- It'll all make sense in the end. Just go with it.

# AGENDA



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# Agenda

- Red Hat and Satellite
- Satellite 6
- Installation
- The Manifest
- Products
- Syncing Content
- Locations
- Lifecycle Environments
- Content Views
- Puppet

# Agenda

- Subnets
- Host Collections
- Domains
- Installation Media
- Provisioning Templates
- Operating System
- Activation Keys
- Host Groups
- Compute Resources
- Build a New Host

# Red Hat and Satellite



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- 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

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- Upstream is the Spacewalk project

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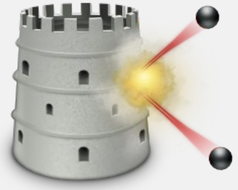
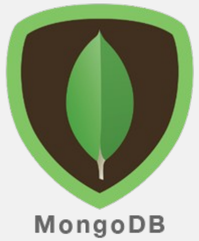
- Version 6 is a COMPLETE REWRITE. There is no code shared between the products.
- Based on a number of upstream projects
  - katello - content management
  - the foreman - lifecycle management
  - candlepin - subscription management
  - pulp - content repository management
  - Postgresql - database backend
  - mongoDB - noSQL





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# Red Hat and Satellite

- 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



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# Super simple kickstart

- For demo purposes, one large root filesystem.

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- At least 12GB memory and at least 4GB swap.

# Super simple kickstart

- For demo purposes, one large root filesystem.
- At least 12GB 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.

# Make sure name resolution works

- Forward and reverse need to work.

# Make sure name resolution works

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
[root@sat6 ~]# host 192.168.124.30
30.124.168.192.in-addr.arpa domain name pointer sat6.tc.redhat.com.
[root@sat6 ~]# host sat6.tc.redhat.com
sat6.tc.redhat.com has address 192.168.124.30
[root@sat6 ~]#
```



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# Register to Red Hat

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
[root@sat6 ~]# subscription-manager register --username tcameron@redhat.com
Registering to: subscription.rhn.redhat.com:443/subscription
Password:
The system has been registered with ID: 3b9aa48c-a337-4f5c-9fcc-08f7b78878eb
[root@sat6 ~]#
```



redhat.

# Register to Red Hat

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
[root@sat6 ~]# subscription-manager list --available
+-------------------------------------------+
    Available Subscriptions
+-------------------------------------------+
Subscription Name:   Red Hat Enterprise Linux Developer Suite
Provides:            Red Hat Software Collections (for RHEL Server)
                     Red Hat Container Development Kit
                     MRG Realtime
                     Red Hat EUCJP Support (for RHEL Server) - Extended Update
                     Support
                     Red Hat Beta
                     Red Hat Enterprise Linux Server - Extended Update Support
                     Oracle Java (for RHEL Server) - Extended Update Support
                     dotNET on RHEL Beta (for RHEL Server)
                     Red Hat Enterprise Linux High Performance Networking (for
                     RHEL Compute Node)
                     Red Hat Enterprise Linux High Performance Networking (for
                     RHEL Server) - Extended Update Support
                     Red Hat Enterprise Linux Resilient Storage (for RHEL
                     Server)
                     Oracle Java (for RHEL Server)
                     Red Hat Container Images
                     Red Hat Enterprise Linux for Real Time
                     dotNET on RHEL (for RHEL Server)
```



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# Register to Red Hat

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
Subscription Name:   Red Hat Satellite Employee Subscription
Provides:            Red Hat Beta
                     Red Hat Satellite Capsule Beta
                     Red Hat Software Collections (for RHEL Server)
                     Red Hat Satellite Capsule
                     Red Hat Satellite with Embedded Oracle
                     Red Hat Satellite Beta
                     Red Hat Satellite 6 Beta
                     Red Hat Enterprise Linux Server
                     Red Hat Enterprise Linux High Availability (for RHEL Server
)
                     Red Hat Satellite
                     Red Hat Software Collections Beta (for RHEL Server)
                     Red Hat Enterprise Linux Load Balancer (for RHEL Server)
SKU:                 SER0232US
Contract:            10834569
Pool ID:             8a85f98151570b8f01515aebad1b2974
Provides Management: Yes
Available:           1
Suggested:           1
Service Level:       Self-Support
Service Type:        L1-L3
Subscription Type:   Standard
Pattern not found  (press RETURN)
```



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# Register to Red Hat

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
[root@sat6 ~]# subscription-manager attach --pool 8a85f98151570b8f01515aebad1b29
74
Successfully attached a subscription for: Red Hat Satellite Employee Subscriptio
n
[root@sat6 ~]#
```



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# Disable non-essential repos

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
[root@sat6 ~]#
[root@sat6 ~]# subscription-manager repos --disable="*"
Repository 'rhel-7-server-v2vwin-1-debug-rpms' is disabled for this system.
Repository 'rhel-ha-for-rhel-7-server-beta-debug-rpms' is disabled for this syst
em.
Repository 'rhel-ha-for-rhel-7-server-fastrack-rpms' is disabled for this system
.
Repository 'rhel-7-server-extras-rpms' is disabled for this system.
Repository 'rhel-7-server-satellite-tools-6.1-source-rpms' is disabled for this
system.
Repository 'rhel-7-server-rhn-tools-beta-rpms' is disabled for this system.
Repository 'rhel-7-server-supplementary-debug-rpms' is disabled for this system.
Repository 'rhel-7-server-satellite-capsule-6.1-debug-rpms' is disabled for this
 system.
Repository 'rhel-7-server-satellite-tools-6.1-debug-rpms' is disabled for this s
ystem.
Repository 'rhel-server-rhscl-7-beta-source-rpms' is disabled for this system.
Repository 'rhel-7-server-satellite-capsule-optional-6.0-debug-rpms' is disabled
 for this system.
Repository 'rhel-7-server-beta-source-rpms' is disabled for this system.
Repository 'rhel-7-server-optional-beta-debug-rpms' is disabled for this system.
Repository 'rh-gluster-3-client-for-rhel-7-server-debug-rpms' is disabled for th
is system.
Repository 'rhel-7-server-optional-fastrack-debug-rpms' is disabled for this sys
```



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# Disable non-essential repos

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
Repository 'rhel-7-server-satellite-tools-6-beta-debug-rpms' is disabled for thi
s system.
Repository 'rhel-7-server-openstack-8-tools-debug-rpms' is disabled for this sys
tem.
Repository 'rhel-7-server-satellite-6.1-debug-rpms' is disabled for this system.
Repository 'rhel-server-7-satellite-capsule-6-beta-debug-rpms' is disabled for t
his system.
Repository 'rhel-ha-for-rhel-7-server-fastrack-source-rpms' is disabled for this
 system.
Repository 'rhel-ha-for-rhel-7-server-debug-rpms' is disabled for this system.
Repository 'rhel-7-server-supplementary-rpms' is disabled for this system.
Repository 'rhel-7-server-optional-rpms' is disabled for this system.
Repository 'rhel-7-server-satellite-tools-6-beta-rpms' is disabled for this syst
em.
Repository 'rhel-7-server-optional-fastrack-source-rpms' is disabled for this sy
stem.
Repository 'rhel-7-server-rhn-tools-source-rpms' is disabled for this system.
Repository 'rhel-7-server-supplementary-source-rpms' is disabled for this system
.
Repository 'rhel-7-server-beta-debug-rpms' is disabled for this system.
Repository 'rhel-7-server-openstack-7.0-tools-source-rpms' is disabled for this
system.
Repository 'rhel-7-server-optional-beta-rpms' is disabled for this system.
[root@sat6 ~]#
```



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# Enable essential repos

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
[root@sat6 ~]# subscription-manager repos --enable=rhel-7-server-rpms \
> --enable=rhel-server-rhscl-7-rpms \
> --enable=rhel-server-7-satellite-6-beta-rpms
Repository 'rhel-7-server-rpms' is enabled for this system.
Repository 'rhel-server-7-satellite-6-beta-rpms' is enabled for this system.
Repository 'rhel-server-rhscl-7-rpms' is enabled for this system.
[root@sat6 ~]#
```



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# Enable firewall rules

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
[root@sat6 ~]# firewall-cmd --add-service=RH-Satellite-6
success
[root@sat6 ~]# firewall-cmd --permanent --add-service=RH-Satellite-6
success
[root@sat6 ~]#
```



redhat.

# Enable firewall rules

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
[root@sat6 ~]# firewall-cmd --permanent --add-service=tftp
success
[root@sat6 ~]# firewall-cmd --add-service=tftp
success
[root@sat6 ~]#
```



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# Make sure time is accurate

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
[root@sat6 ~]# yum -y install chrony
Loaded plugins: product-id, search-disabled-repos, subscription-manager
rhel-7-server-rpms                                          | 3.7 kB     00:00
rhel-server-7-satellite-6-beta-rpms                         | 4.0 kB     00:00
rhel-server-rhscl-7-rpms                                    | 3.5 kB     00:00
(1/7): rhel-server-7-satellite-6-beta-rpms/x86_64/group     | 3.8 kB   00:01
(2/7): rhel-server-7-satellite-6-beta-rpms/x86_64/updatein  |   91 B   00:01
(3/7): rhel-server-rhscl-7-rpms/7Server/x86_64/group        |  104 B   00:02
(4/7): rhel-server-rhscl-7-rpms/7Server/x86_64/updateinfo   | 551 kB   00:10
(5/7): rhel-server-7-satellite-6-beta-rpms/x86_64/primary_  | 257 kB   00:12
(6/7): rhel-server-rhscl-7-rpms/7Server/x86_64/primary_db   | 2.9 MB   00:24
(7/7): rhel-7-server-rpms/7Server/x86_64/primary_db         |  21 MB   08:47
(1/2): rhel-7-server-rpms/7Server/x86_64/group_gz           | 134 kB   00:05
(2/2): rhel-7-server-rpms/7Server/x86_64/updateinfo         | 1.2 MB   00:28
Package chrony-2.1.1-1.el7.x86_64 already installed and latest version
Nothing to do
[root@sat6 ~]#
```



redhat.

# Make sure time is accurate

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
[root@sat6 ~]# systemctl enable chronyd.service
[root@sat6 ~]#
```



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# Make sure time is accurate

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
[root@sat6 ~]# systemctl status chronyd
● chronyd.service - NTP client/server
   Loaded: loaded (/usr/lib/systemd/system/chronyd.service; enabled; vendor pres
et: enabled)
   Active: active (running) since Sun 2016-06-19 14:01:39 CDT; 41min ago
 Main PID: 589 (chronyd)
   CGroup: /system.slice/chronyd.service
           └─589 /usr/sbin/chronyd

Jun 19 14:01:39 sat6.tc.redhat.com systemd[1]: Starting NTP client/server...
Jun 19 14:01:39 sat6.tc.redhat.com chronyd[589]: chronyd version 2.1.1 start...)
Jun 19 14:01:39 sat6.tc.redhat.com chronyd[589]: Generated key 1
Jun 19 14:01:39 sat6.tc.redhat.com systemd[1]: Started NTP client/server.
Jun 19 14:01:47 sat6.tc.redhat.com chronyd[589]: Selected source 198.60.22.240
Jun 19 14:01:47 sat6.tc.redhat.com chronyd[589]: System clock wrong by 0.550...d
Jun 19 14:01:48 sat6.tc.redhat.com chronyd[589]: Selected source 70.184.242.163
Jun 19 14:11:33 sat6.tc.redhat.com chronyd[589]: Selected source 96.126.105.86
Jun 19 14:38:35 sat6.tc.redhat.com chronyd[589]: Selected source 198.60.22.240
Hint: Some lines were ellipsized, use -l to show in full.
[root@sat6 ~]#
```



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# Make sure SELinux is enabled

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
[root@sat6 ~]# getenforce
Enforcing
[root@sat6 ~]#
```



redhat.

# (Recommended) Install SOS

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
[root@sat6 ~]# yum -y install sos
Loaded plugins: product-id, search-disabled-repos, subscription-manager
Resolving Dependencies
--> Running transaction check
---> Package sos.noarch 0:3.2-35.el7_2.3 will be installed
--> Processing Dependency: python-six for package: sos-3.2-35.el7_2.3.noarch
--> Processing Dependency: bzip2 for package: sos-3.2-35.el7_2.3.noarch
--> Running transaction check
---> Package bzip2.x86_64 0:1.0.6-13.el7 will be installed
---> Package python-six.noarch 0:1.9.0-2.el7 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================
 Package         Arch        Version              Repository               Size
================================================================================
Installing:
 sos             noarch      3.2-35.el7_2.3       rhel-7-server-rpms      316 k
Installing for dependencies:
 bzip2           x86_64      1.0.6-13.el7         rhel-7-server-rpms       52 k
 python-six      noarch      1.9.0-2.el7          rhel-7-server-rpms       29 k

Transaction Summary
```



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# (Recommended) Install SOS

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
 Package     : redhat-release-server-7.2-9.el7.x86_64 (@anaconda/7.2)
 From        : /etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-release
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : bzip2-1.0.6-13.el7.x86_64                                  1/3
  Installing : python-six-1.9.0-2.el7.noarch                              2/3
  Installing : sos-3.2-35.el7_2.3.noarch                                  3/3
rhel-7-server-rpms/7Server/x86_64/productid              | 1.7 kB     00:00
rhel-server-7-satellite-6-beta-rpms/x86_64/productid     | 2.1 kB     00:00
rhel-server-rhscl-7-rpms/7Server/x86_64/productid        | 2.1 kB     00:00
  Verifying  : python-six-1.9.0-2.el7.noarch                              1/3
  Verifying  : sos-3.2-35.el7_2.3.noarch                                  2/3
  Verifying  : bzip2-1.0.6-13.el7.x86_64                                  3/3

Installed:
  sos.noarch 0:3.2-35.el7_2.3

Dependency Installed:
  bzip2.x86_64 0:1.0.6-13.el7          python-six.noarch 0:1.9.0-2.el7

Complete!
[root@sat6 ~]#
```



redhat.

# Install Satellite RPMs

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
[root@sat6 ~]# yum install satellite
Loaded plugins: product-id, search-disabled-repos, subscription-manager
Resolving Dependencies
--> Running transaction check
---> Package satellite.noarch 0:6.2.0-15.1.beta.el7sat will be installed
--> Processing Dependency: foreman >= 1.11.0 for package: satellite-6.2.0-15.1.b
eta.el7sat.noarch
--> Processing Dependency: katello >= 3.0.0 for package: satellite-6.2.0-15.1.be
ta.el7sat.noarch
--> Processing Dependency: tfm-rubygem(katello) >= 3.0.0 for package: satellite-
6.2.0-15.1.beta.el7sat.noarch
--> Processing Dependency: foreman-ec2 for package: satellite-6.2.0-15.1.beta.el
7sat.noarch
--> Processing Dependency: foreman-gce for package: satellite-6.2.0-15.1.beta.el
7sat.noarch
--> Processing Dependency: foreman-libvirt for package: satellite-6.2.0-15.1.bet
a.el7sat.noarch
--> Processing Dependency: foreman-ovirt for package: satellite-6.2.0-15.1.beta.
el7sat.noarch
--> Processing Dependency: foreman-vmware for package: satellite-6.2.0-15.1.beta
.el7sat.noarch
--> Processing Dependency: katello-debug for package: satellite-6.2.0-15.1.beta.
el7sat.noarch
--> Processing Dependency: katello-service for package: satellite-6.2.0-15.1.bet
a.el7sat.noarch
--> Processing Dependency: mod_passenger for package: satellite-6.2.0-15.1.beta.
el7sat.noarch
--> Processing Dependency: satellite-cli for package: satellite-6.2.0-15.1.beta.
```



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# Install Satellite RPMs

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
 yaml-cpp       x86_64 0.5.1-7.el7sat rhel-server-7-satellite-6-beta-rpms 177 k
 zip            x86_64 3.0-10.el7     rhel-7-server-rpms                 260 k
Updating for dependencies:
 cyrus-sasl-lib x86_64 2.1.26-20.el7_2
                                      rhel-7-server-rpms                 155 k
 gnutls         x86_64 3.3.8-14.el7_2 rhel-7-server-rpms                 662 k
 libblkid       x86_64 2.23.2-26.el7_2.2
                                      rhel-7-server-rpms                 167 k
 libmount       x86_64 2.23.2-26.el7_2.2
                                      rhel-7-server-rpms                 169 k
 libuuid        x86_64 2.23.2-26.el7_2.2
                                      rhel-7-server-rpms                  74 k
 selinux-policy noarch 3.13.1-60.el7_2.3
                                      rhel-7-server-rpms                 375 k
 selinux-policy-targeted
                noarch 3.13.1-60.el7_2.3
                                      rhel-7-server-rpms                 3.9 M
 util-linux     x86_64 2.23.2-26.el7_2.2
                                      rhel-7-server-rpms                 1.9 M

Transaction Summary
================================================================================
Install  1 Package  (+532 Dependent packages)
Upgrade             (   8 Dependent packages)

Total size: 281 M
Total download size: 275 M
Is this ok [y/d/N]:
```



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# Install Satellite RPMs

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
  v8314-runtime.x86_64 0:2.1-1.el7
  wget.x86_64 0:1.14-10.el7_0.1
  xalan-j2.noarch 0:2.7.1-23.el7
  xerces-j2.noarch 0:2.11.0-17.el7_0
  xml-commons-apis.noarch 0:1.4.01-16.el7
  xml-commons-resolver.noarch 0:1.2-15.el7
  xorg-x11-font-utils.x86_64 1:7.5-20.el7
  xorg-x11-fonts-Type1.noarch 0:7.5-9.el7
  yajl.x86_64 0:2.0.4-4.el7
  yaml-cpp.x86_64 0:0.5.1-7.el7sat
  zip.x86_64 0:3.0-10.el7

Dependency Updated:
  cyrus-sasl-lib.x86_64 0:2.1.26-20.el7_2
  gnutls.x86_64 0:3.3.8-14.el7_2
  libblkid.x86_64 0:2.23.2-26.el7_2.2
  libmount.x86_64 0:2.23.2-26.el7_2.2
  libuuid.x86_64 0:2.23.2-26.el7_2.2
  selinux-policy.noarch 0:3.13.1-60.el7_2.3
  selinux-policy-targeted.noarch 0:3.13.1-60.el7_2.3
  util-linux.x86_64 0:2.23.2-26.el7_2.2

Complete!
[root@sat6 ~]#
```



redhat.

# Install Satellite

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
[root@sat6 ~]# 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 192.168.124.1 \
> --foreman-proxy-dns-reverse 124.168.192.in-addr.arpa \
> --foreman-proxy-dhcp true \
> --foreman-proxy-dhcp-interface eth0 \
> --foreman-proxy-dhcp-range "192.168.124.200 192.168.124.254" \
> --foreman-proxy-dhcp-gateway 192.168.124.1 \
> --foreman-proxy-dhcp-nameservers 192.168.124.30 \
> --foreman-proxy-tftp true \
> --foreman-proxy-tftp-servername $(hostname) \
> --capsule-puppet true \
> --foreman-proxy-puppetca true
```



redhat.

# Install Satellite

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
Installing             Notice: /Stage[main]/Foreman::Plugin::Remote_execu [99%]
Installing             Info: RESOURCE Foreman_config_entry[pulp_client_ke [99%]
Installing             Debug: Executing '/usr/bin/systemctl is-enabled fo [99%]
Installing             Info: RESOURCE Service[foreman]                    [99%]
Installing             Notice: /Stage[main]/Foreman::Service/Exec[restart [99%]
Installing             Debug: /Stage[main]/Certs::Foreman/Exec[foreman_ce [99%]
Installing             Notice: /Stage[main]/Certs::Foreman/Exec[foreman_c [99%]
Installing             Debug: Executing '/usr/bin/systemctl is-enabled fo [99%]
Installing             Notice: /Stage[main]/Foreman_proxy::Register/Forem [99%]
Installing             Notice: /Stage[main]/Foreman_proxy::Register/Forem [99%]
Installing             Debug: Stored state in 0.13 seconds                [99%]
Installing             Done                                               [100%]
Installing             Done                                               [100%]
 []
  Success!
  * Katello is running at https://sat6.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-c
erts.tar"

  The full log is at /var/log/foreman-installer/satellite.log
[root@sat6 ~]#
```



redhat.

# Manifest Management

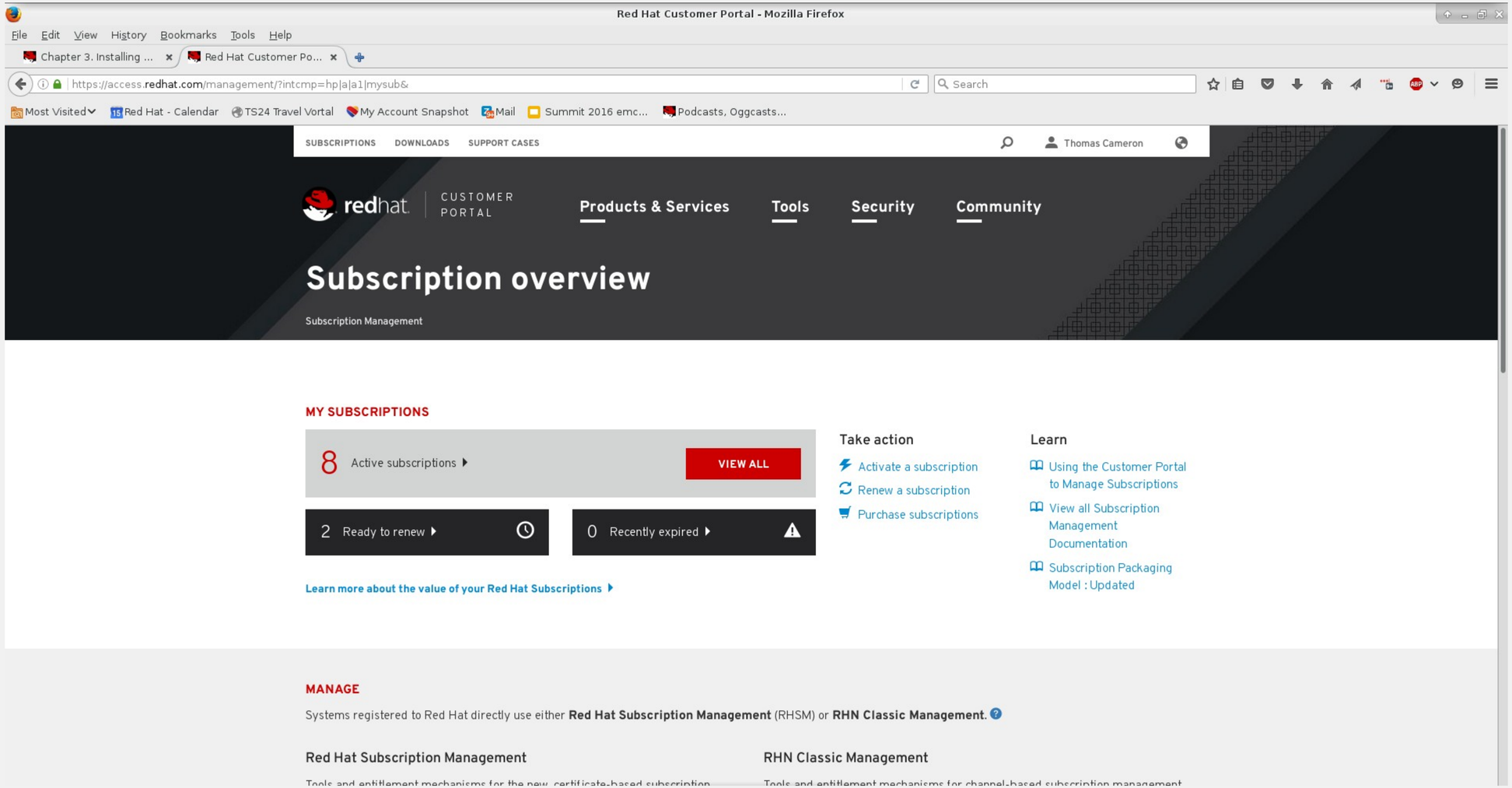


redhat.

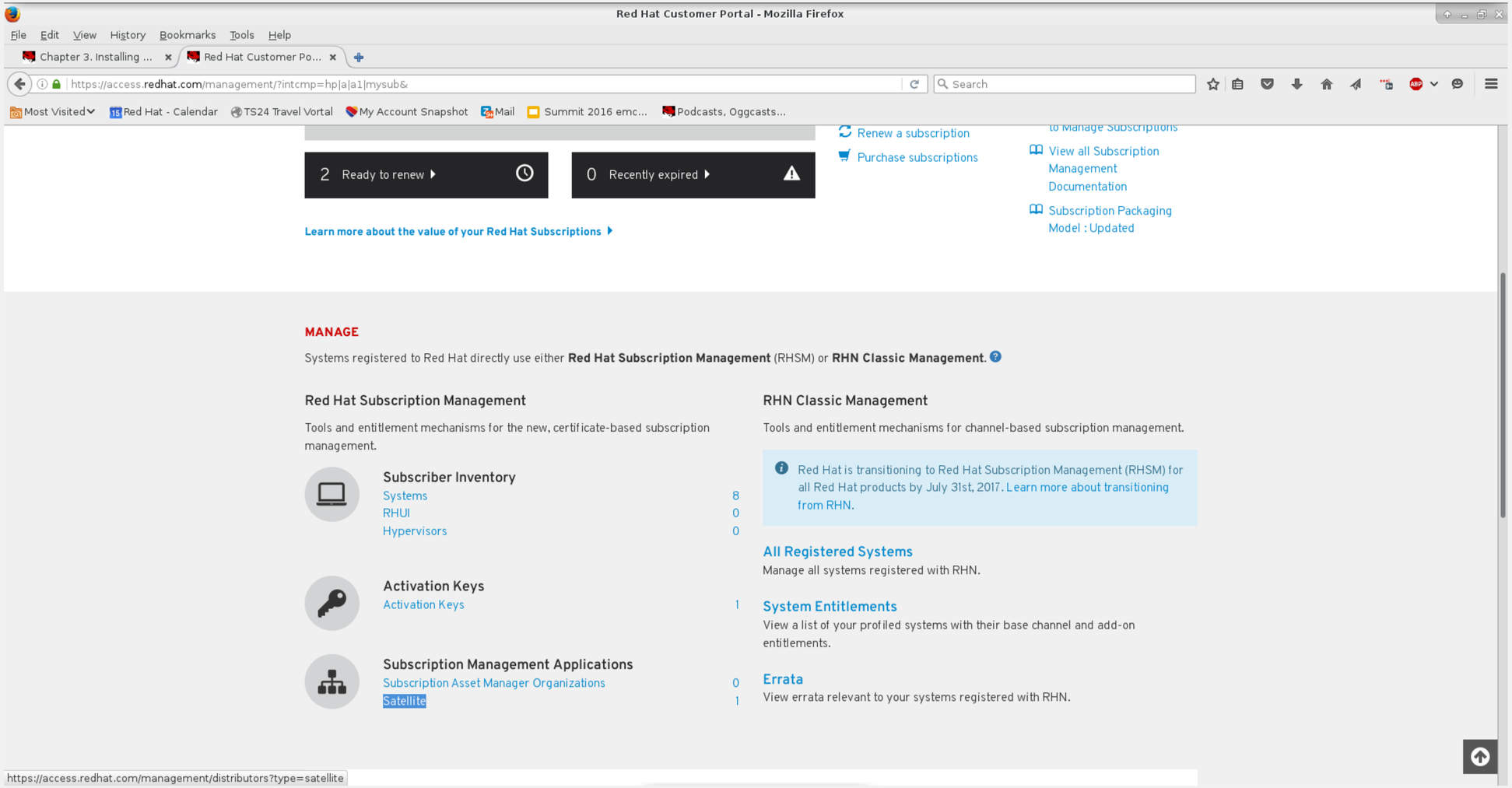
# What is a manifest?

- 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 access.redhat.com



# Create a manifest at access.redhat.com



# Create a manifest at access.redhat.com

Subscription Management Applications - Red Hat Customer Portal - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Chapter 3. Installing ... | Subscription Manage...

https://access.redhat.com/management/distributors?type=satellite

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts...

SUBSCRIPTIONS DOWNLOADS SUPPORT CASES Thomas Cameron

redhat CUSTOMER PORTAL Products & Services Tools Security Community

Subscription Management › Subscription Management Applications

## Subscription Management Applications

All Subscription Management Applications | Subscription Asset Manager Organizations | Satellite

Register a Satellite | Delete Selected | Export All as CSV

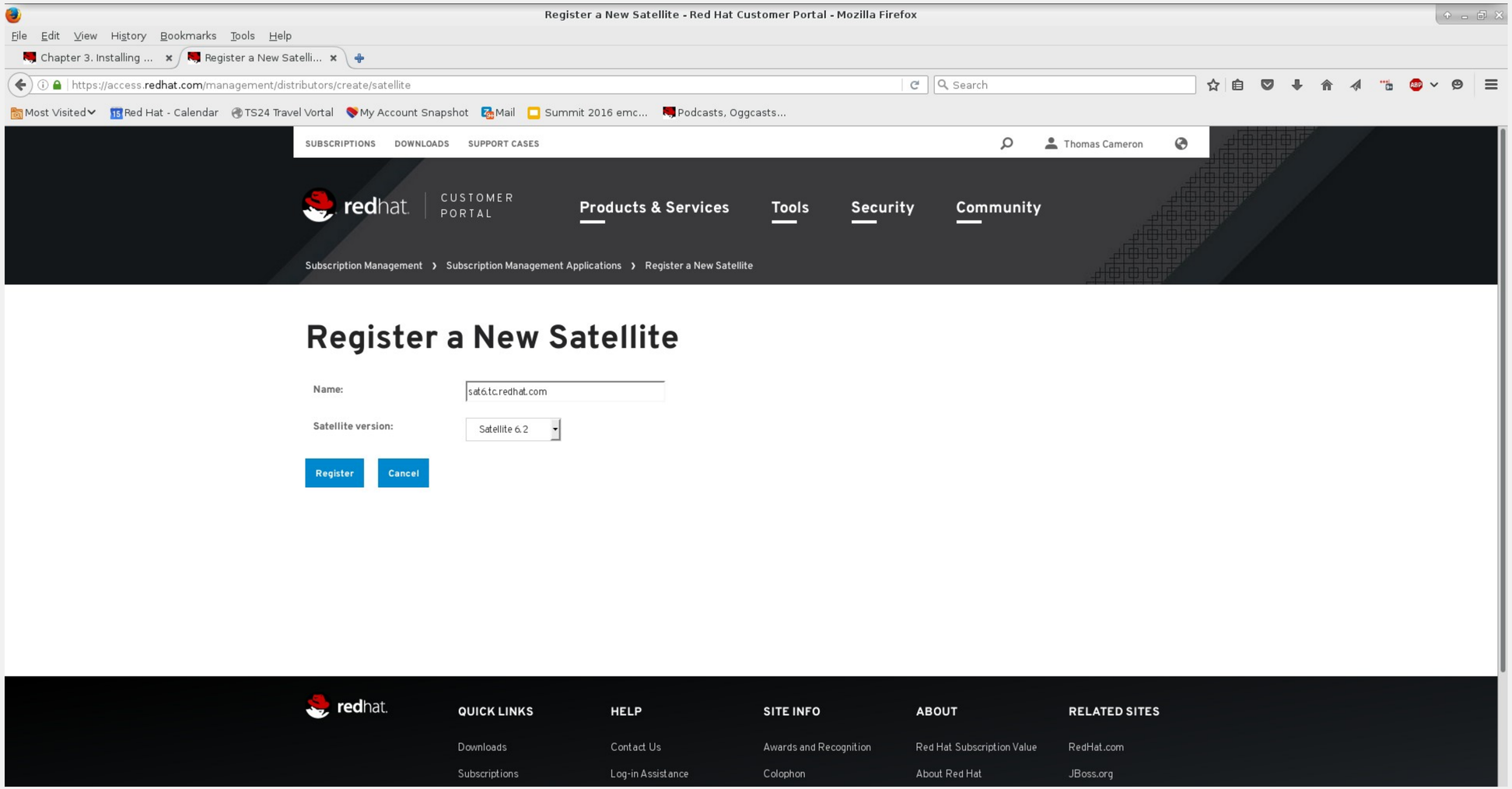
Display 10 Satellite Filter:

| | Name | Subscriptions Attached | UUID |
|---|---|---|---|
| ☐ | satellite.tc.redhat.com | 15 | 6f449411-7673-4588-a377-052d31518e3b |

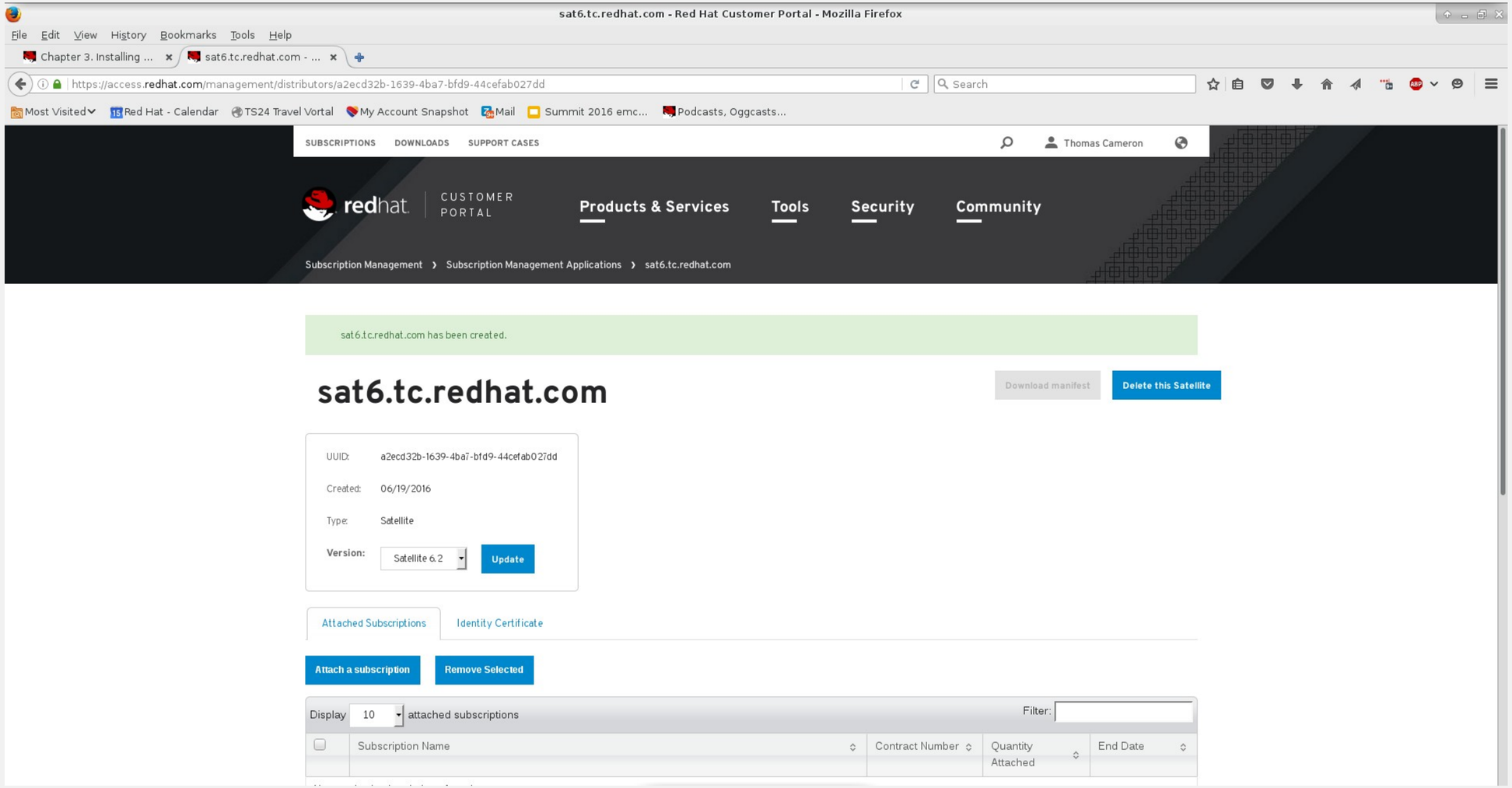
Displaying Satellite 1-1 of 1

redhat QUICK LINKS HELP SITE INFO ABOUT RELATED SITES

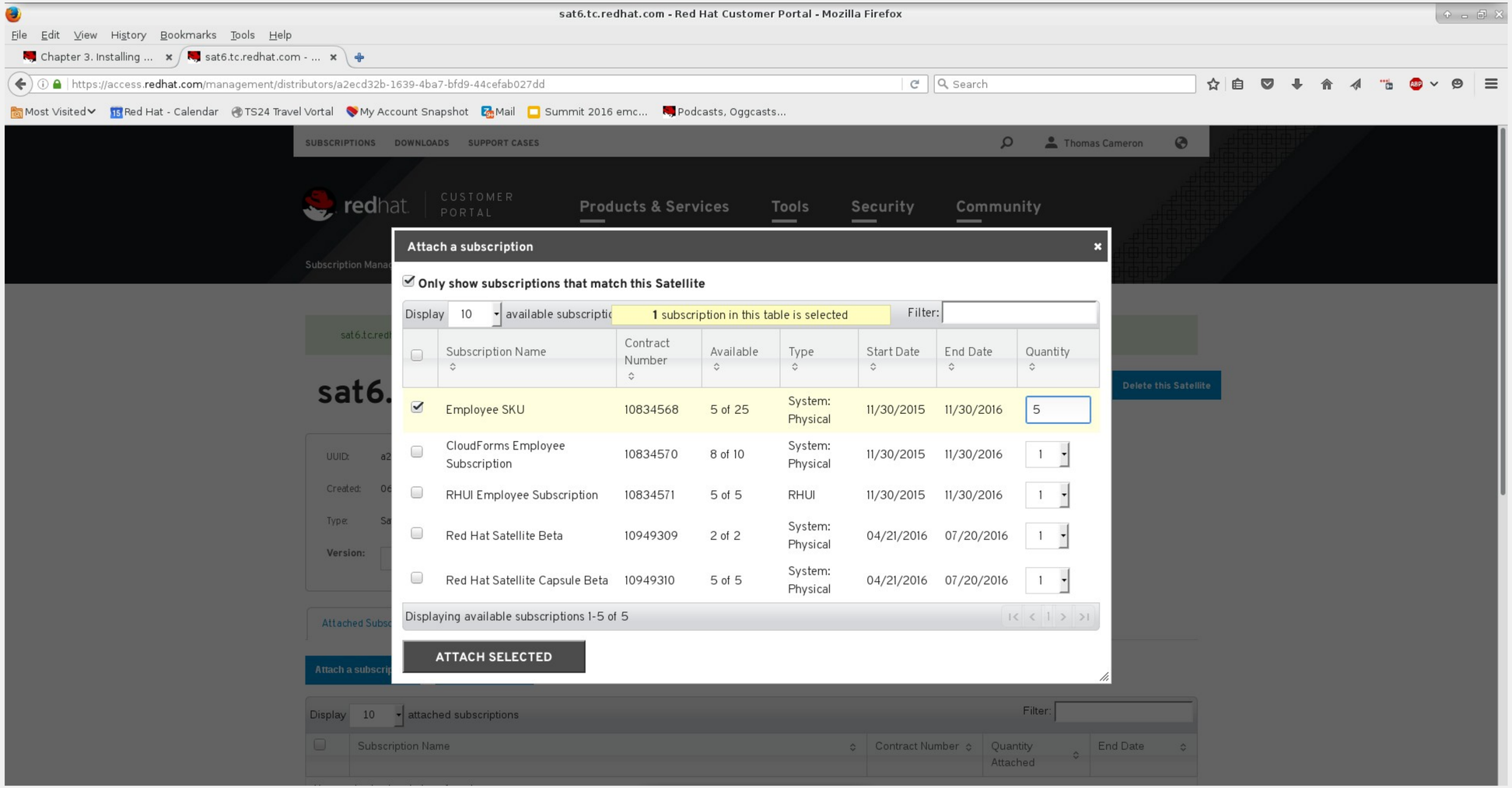
# Create a manifest at access.redhat.com



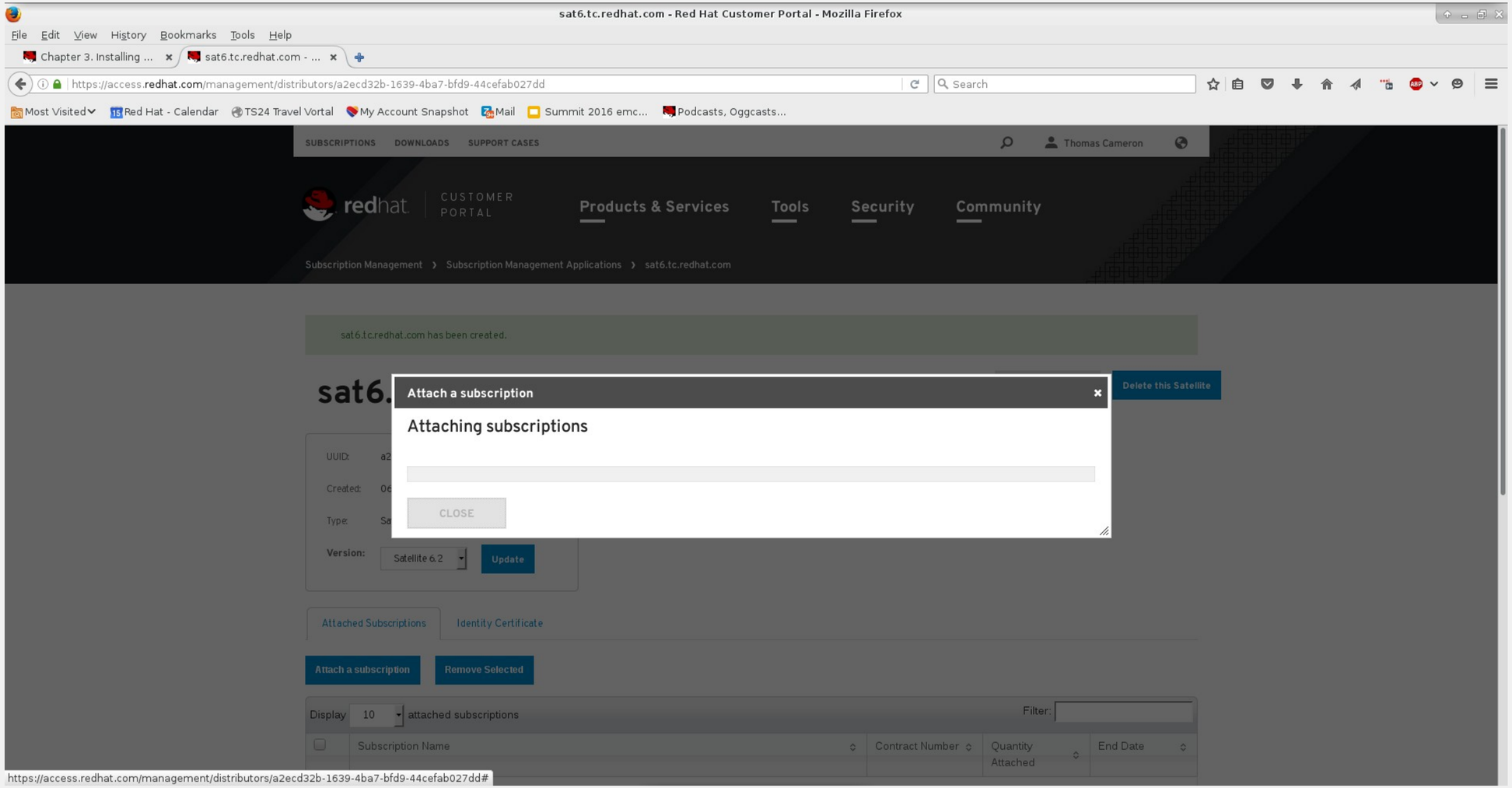
# Create a manifest at access.redhat.com



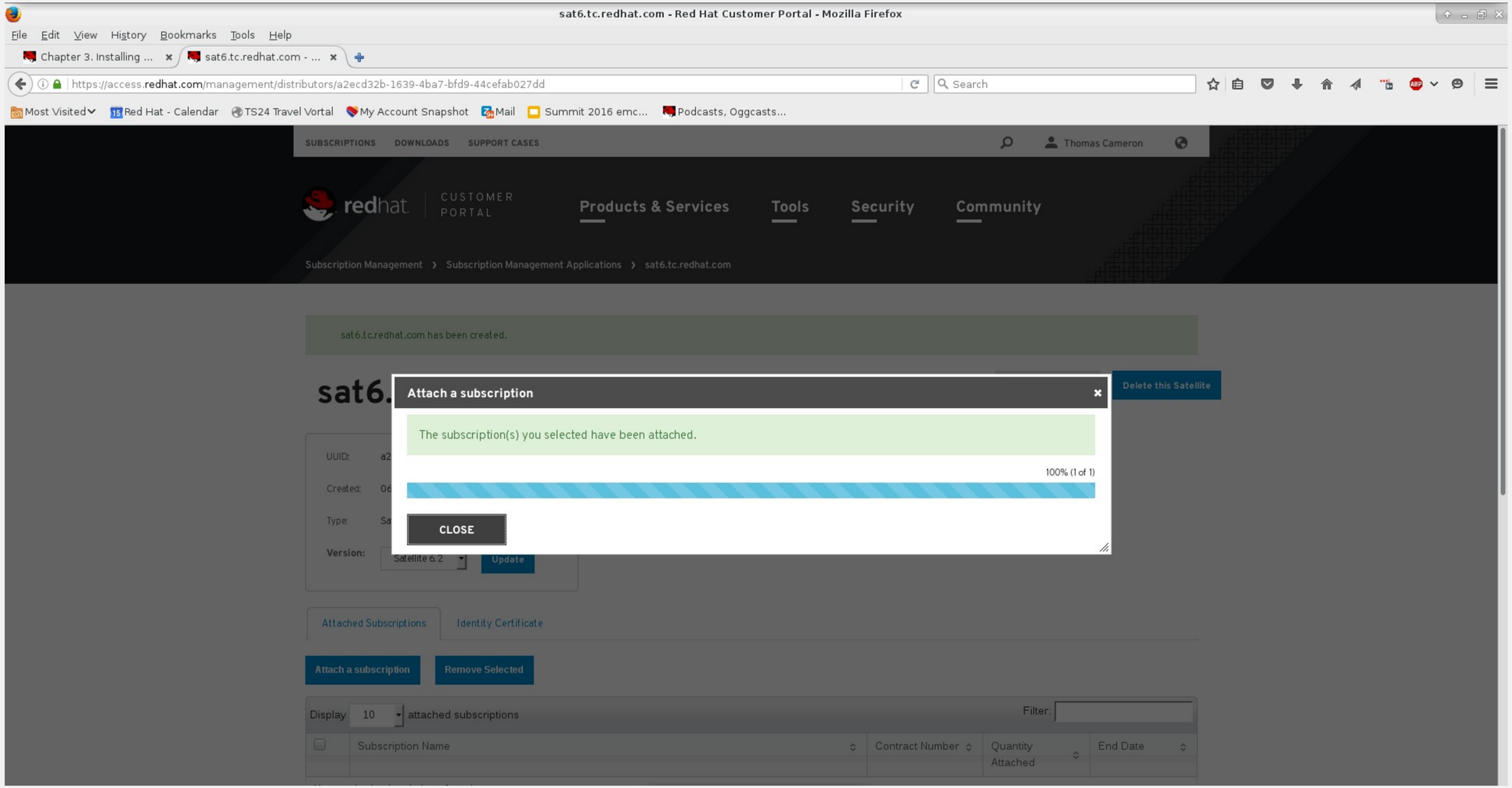
# Create a manifest at access.redhat.com



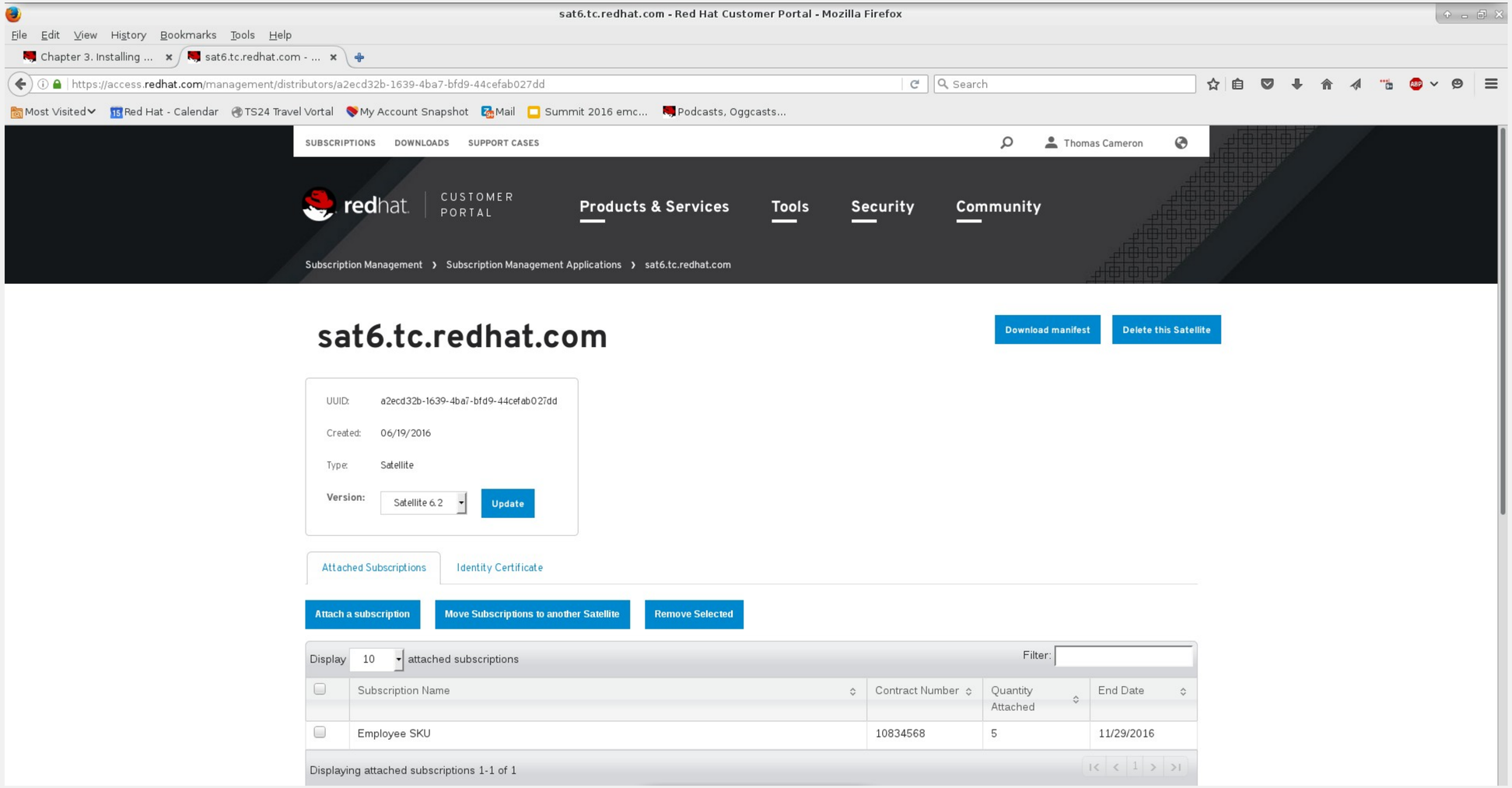
# Create a manifest at access.redhat.com



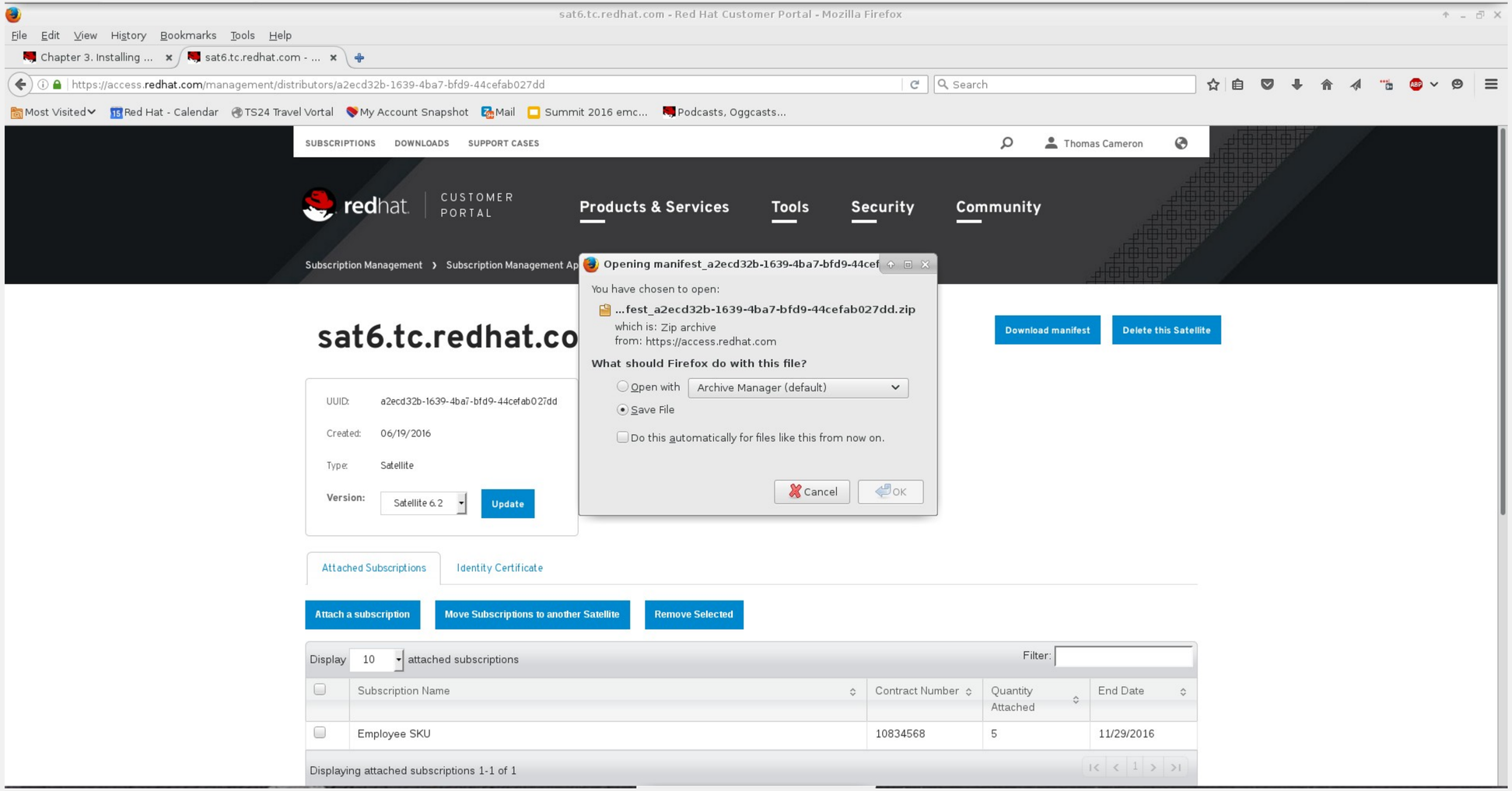
# Create a manifest at access.redhat.com



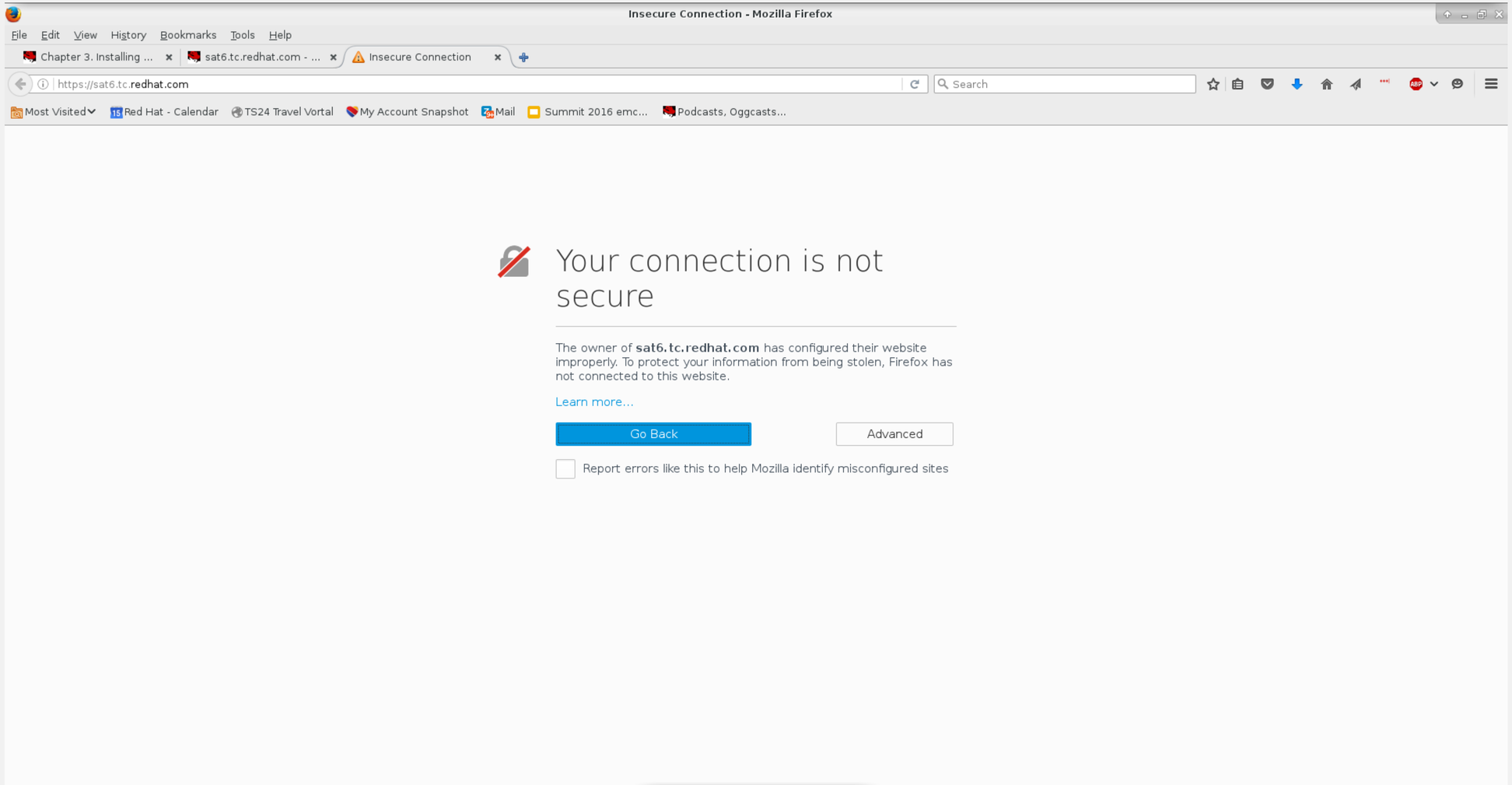
# Create a manifest at access.redhat.com



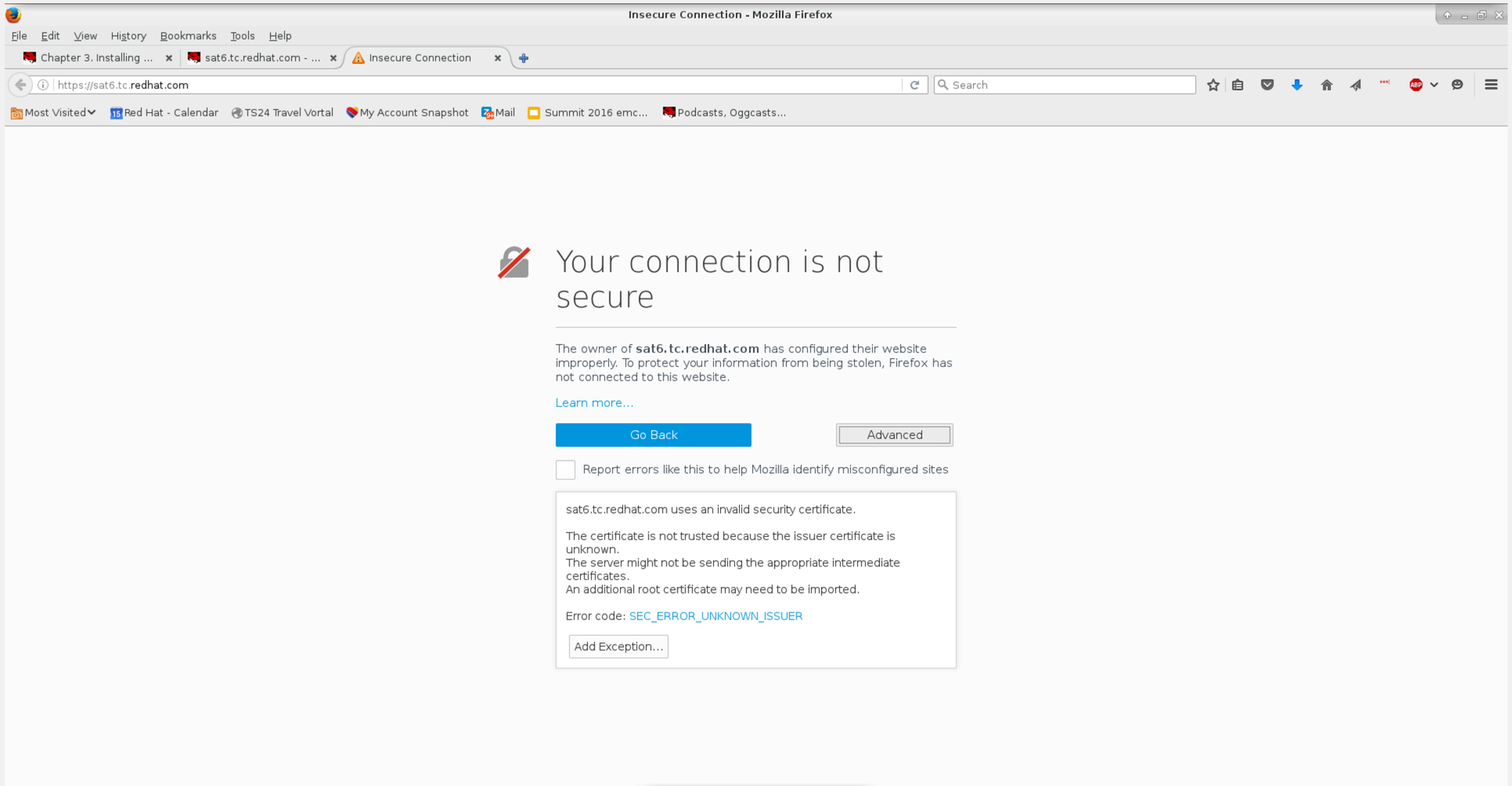
# Download the manifest from access.redhat.com



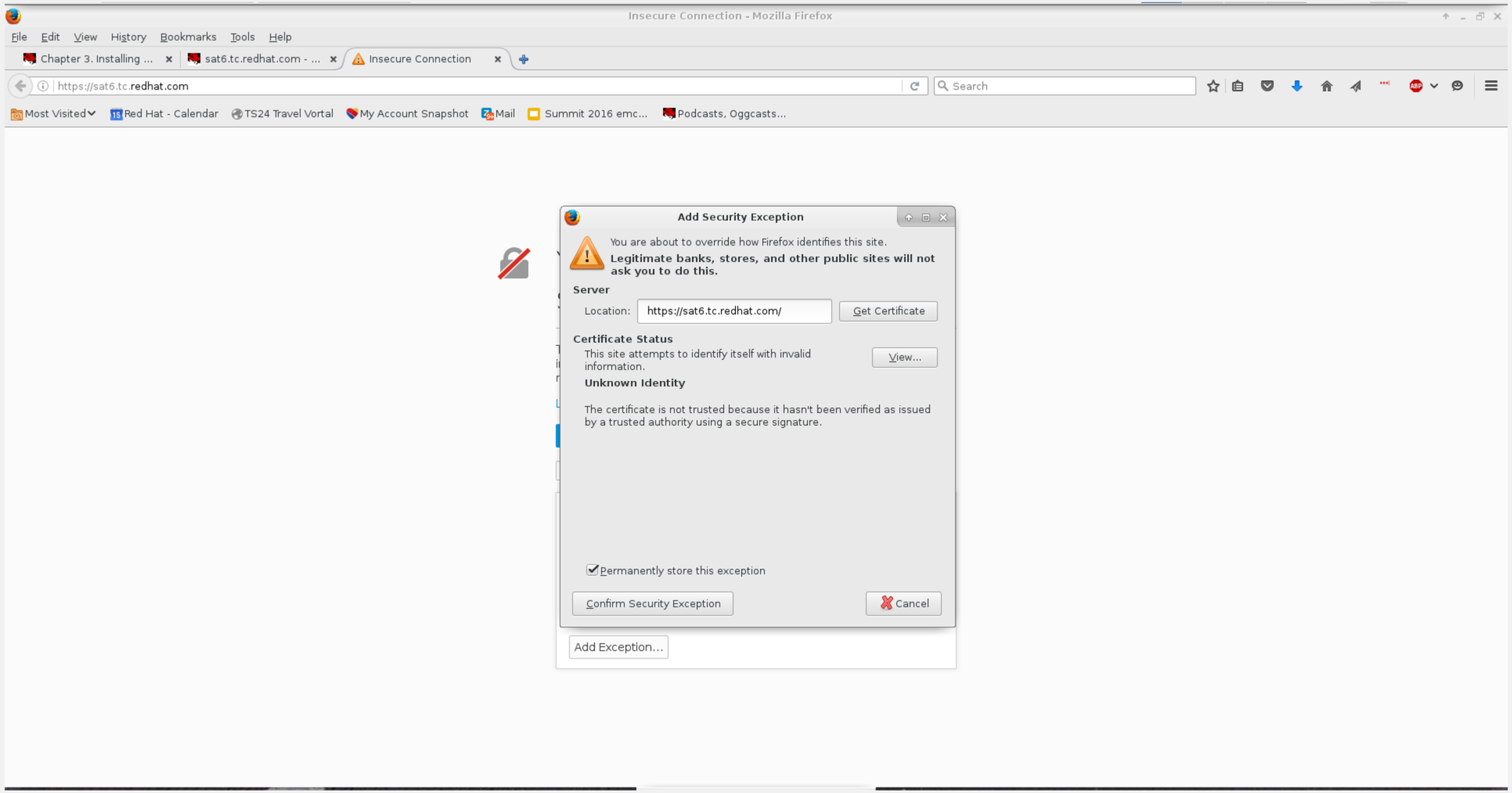
# Log into your Satellite server



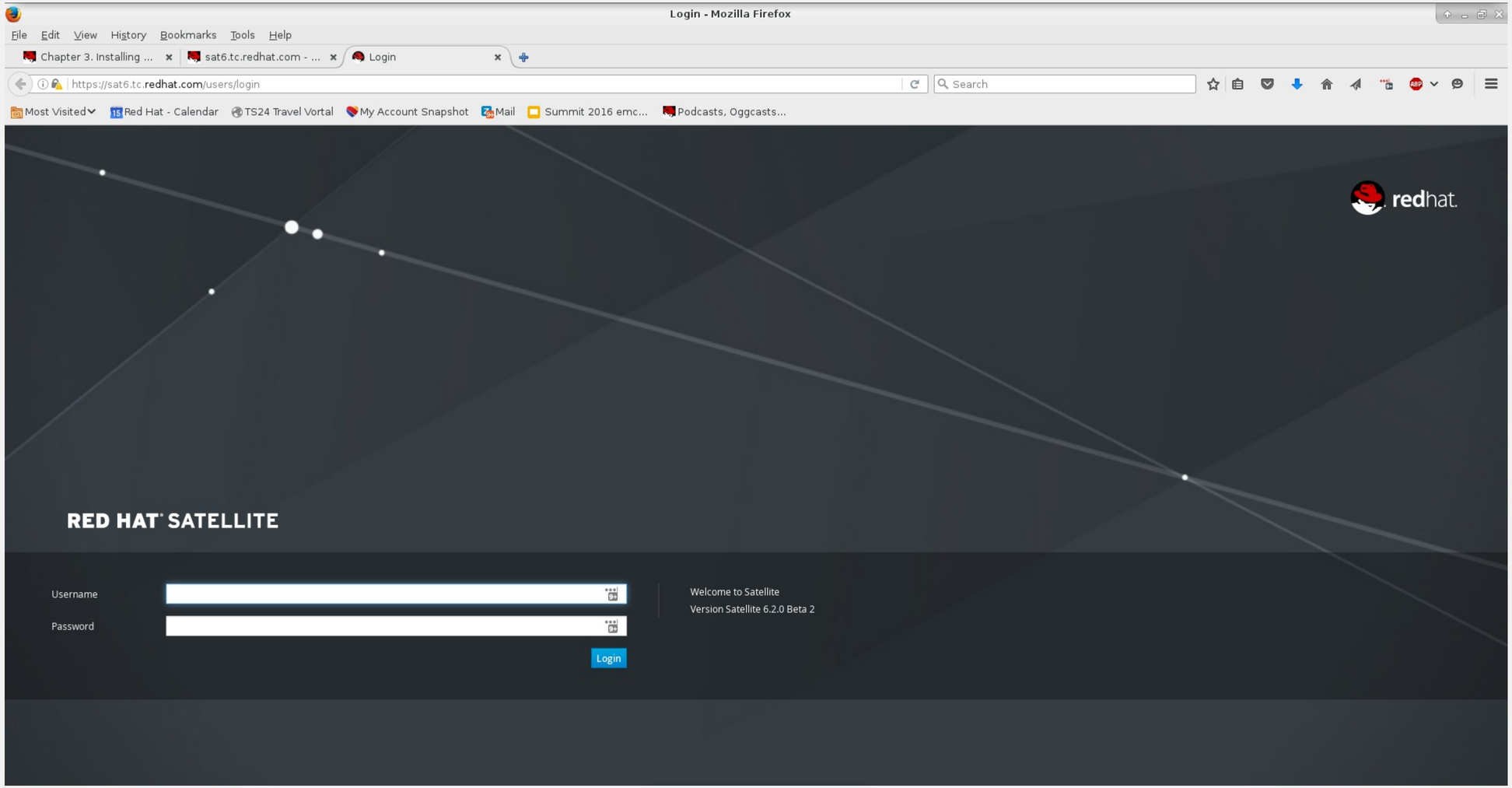
# Log into your Satellite server



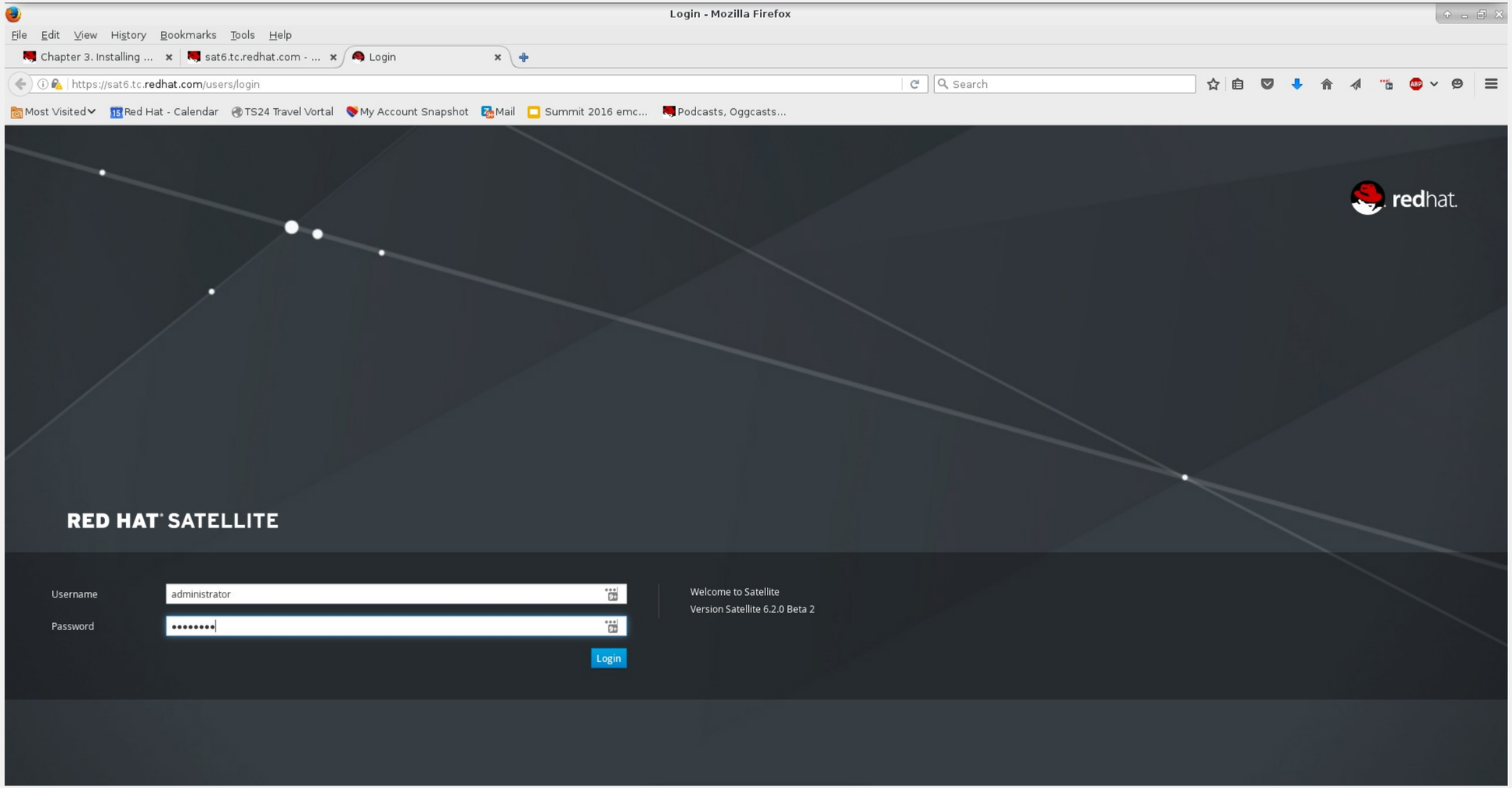
# Log into your Satellite server



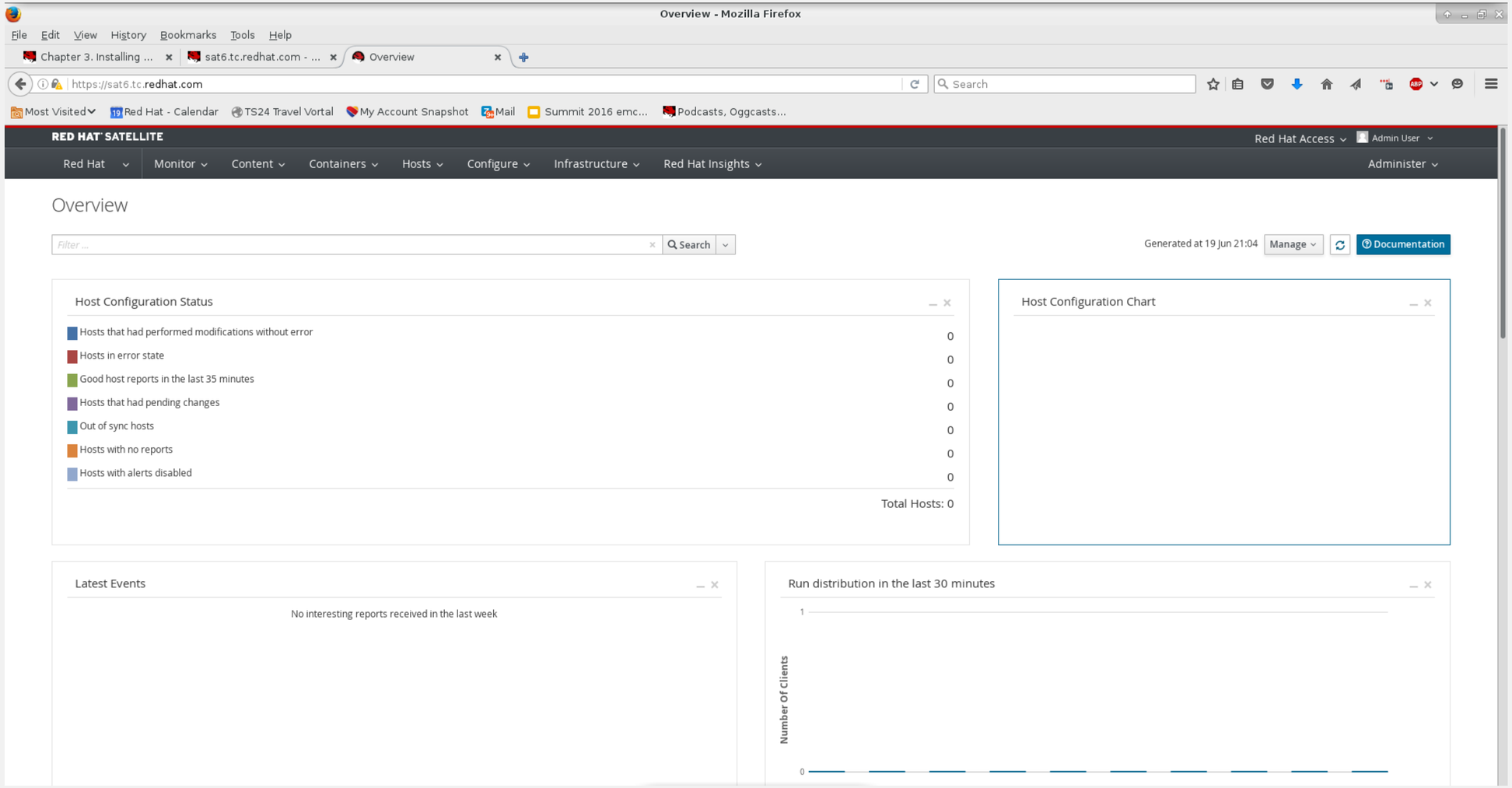
# Log into your Satellite server



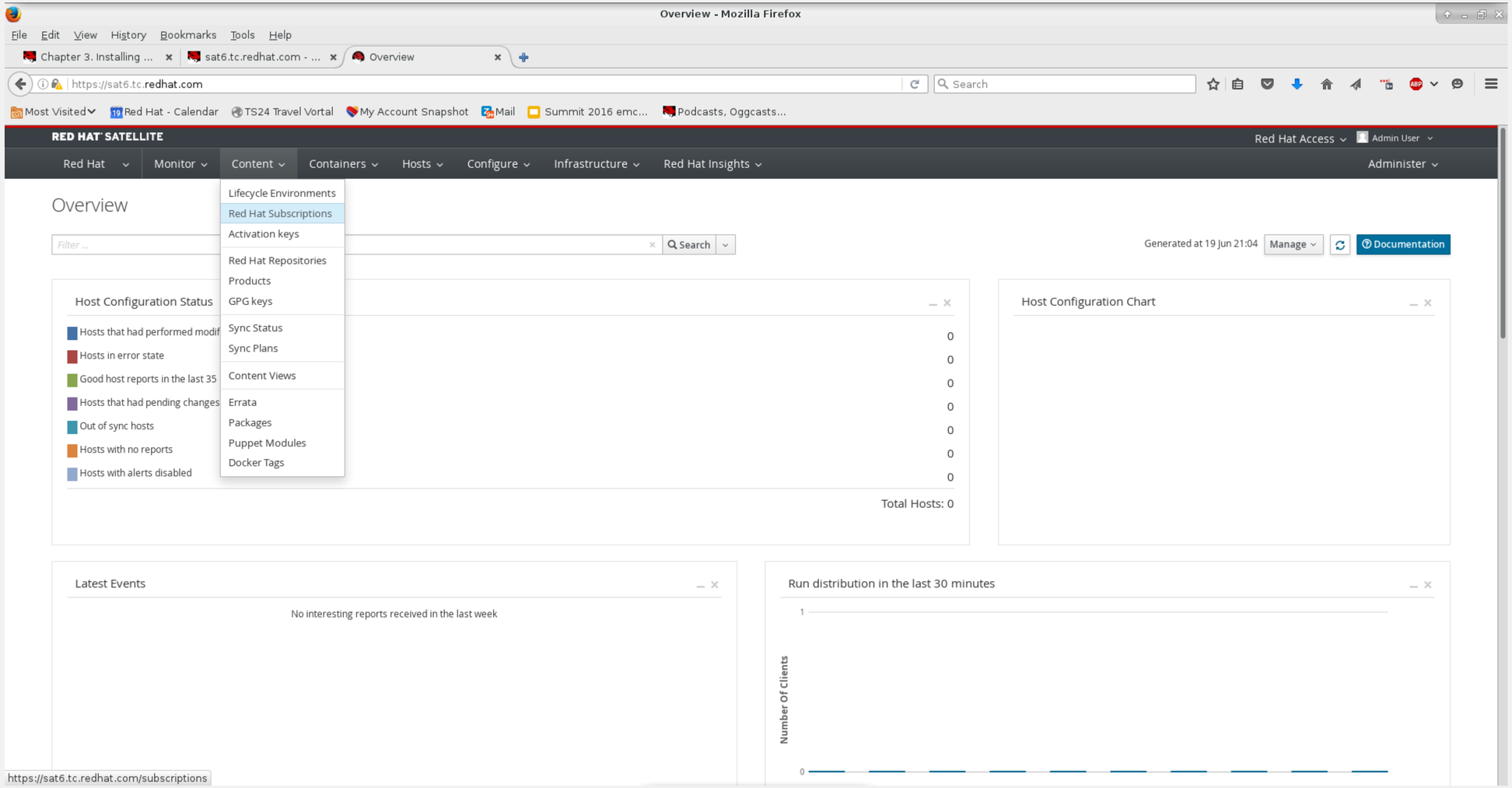
# Log into your Satellite server



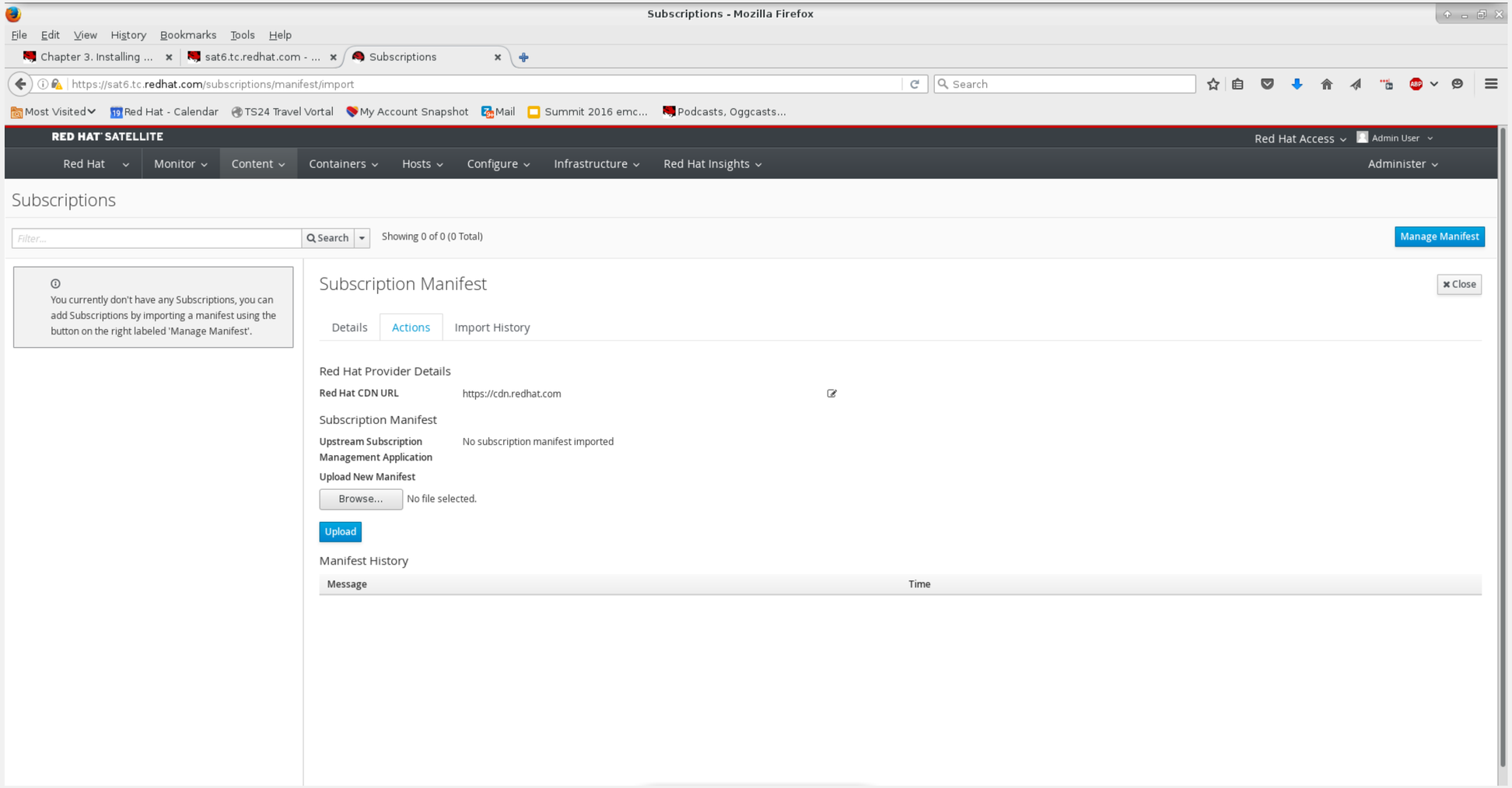
# Main page


Overview - Mozilla Firefox
File Edit View History Bookmarks Tools Help
Chapter 3. Installing ...
sat6.tc.redhat.com - ...
Overview
https://sat6.tc.redhat.com
Search
Most Visited
Red Hat - Calendar
TS24 Travel Vortal
My Account Snapshot
Mail
Summit 2016 emc...
Podcasts, Oggcasts...
RED HAT SATELLITE
Red Hat Access
Admin User
Red Hat
Monitor
Content
Containers
Hosts
Configure
Infrastructure
Red Hat Insights
Administer
Overview
Filter ...
Search
Generated at 19 Jun 21:04
Manage
Documentation
Host Configuration Status
Hosts that had 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
Host Configuration Chart
Latest Events
No interesting reports received in the last week
Run distribution in the last 30 minutes
Number Of Clients
1
0

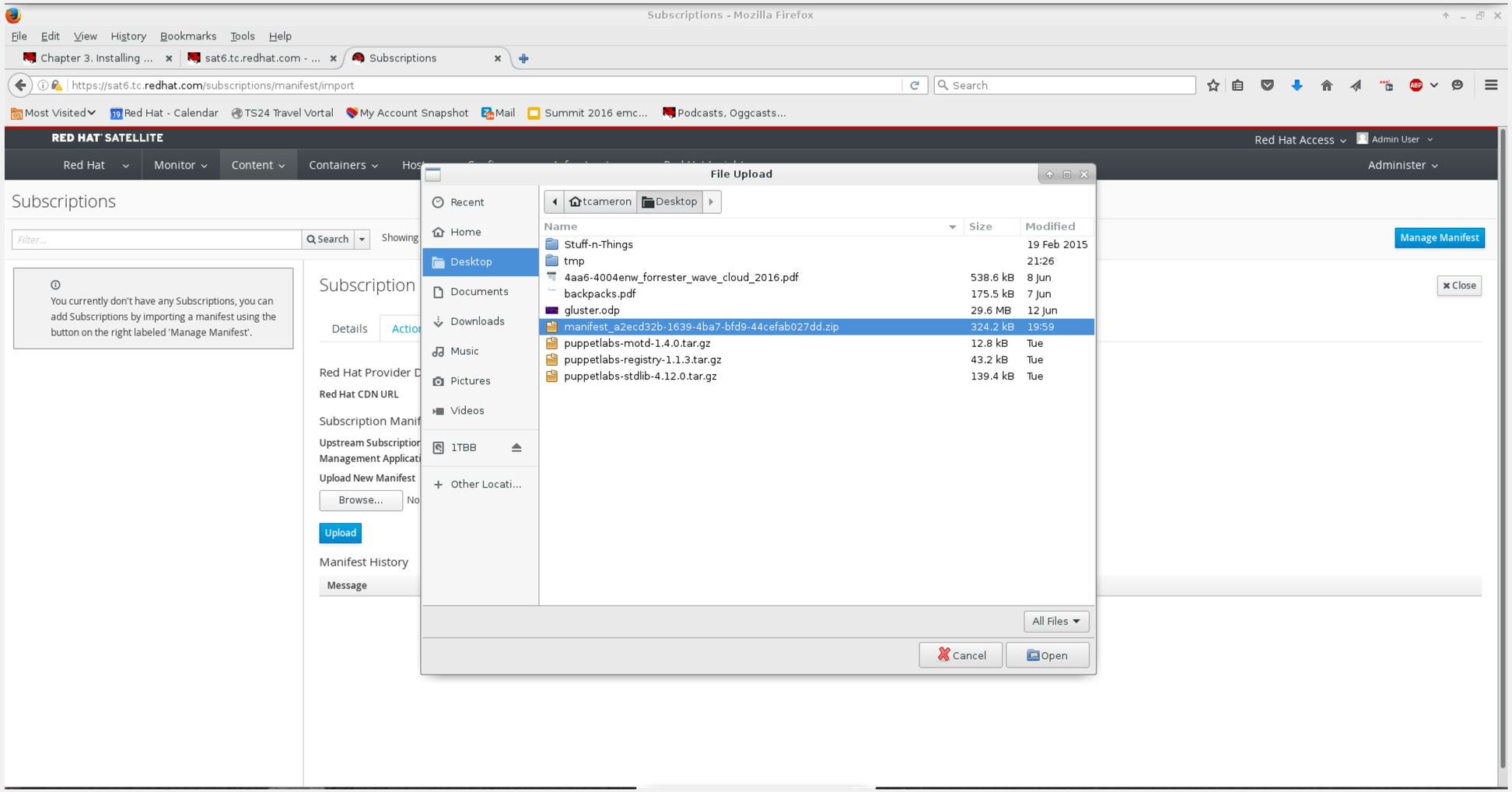
# Open subscription management



# Open subscription management



# Upload the manifest



# Upload the manifest

Subscriptions - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Chapter 3. Installing ... | sat6.tc.redhat.com - ... | Subscriptions

https://sat6.tc.redhat.com/subscriptions/manifest/import

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts...

RED HAT SATELLITE

Red Hat Access | Admin User

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

## Subscriptions

Filter... | Search | Showing 0 of 0 (0 Total) | Manage Manifest

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

Close

Details | Actions | Import History

Red Hat Provider Details

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

Subscription Manifest

**Upstream Subscription Management Application** No subscription manifest imported

**Upload New Manifest**

Browse... manifest_a2ecd32b-1639-4ba7-bfd9-44cefab027dd.zip

Upload

Manifest History

| Message | Time |
|---|---|



redhat.

# Upload the manifest

Subscriptions - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Chapter 3. Installing ... | sat6.tc.redhat.com - ... | Subscriptions

https://sat6.tc.redhat.com/subscriptions/manifest/import

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts...

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## Subscriptions

Filter... | Search | Showing 0 of 0 (0 Total) | Manage Manifest

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

Close

Details | Actions | Import History

**Red Hat Provider Details**

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

**Subscription Manifest**

**Upstream Subscription Management Application** No subscription manifest imported

**Upload New Manifest**

Browse... manifest_a2ecd32b-1639-4ba7-bfd9-44cefab027dd.zip

Uploading... manifest_a2ecd32b-1639-4ba7-bfd9-44cefab027dd.zip

**Manifest History**

| Message | Time |
|---|---|



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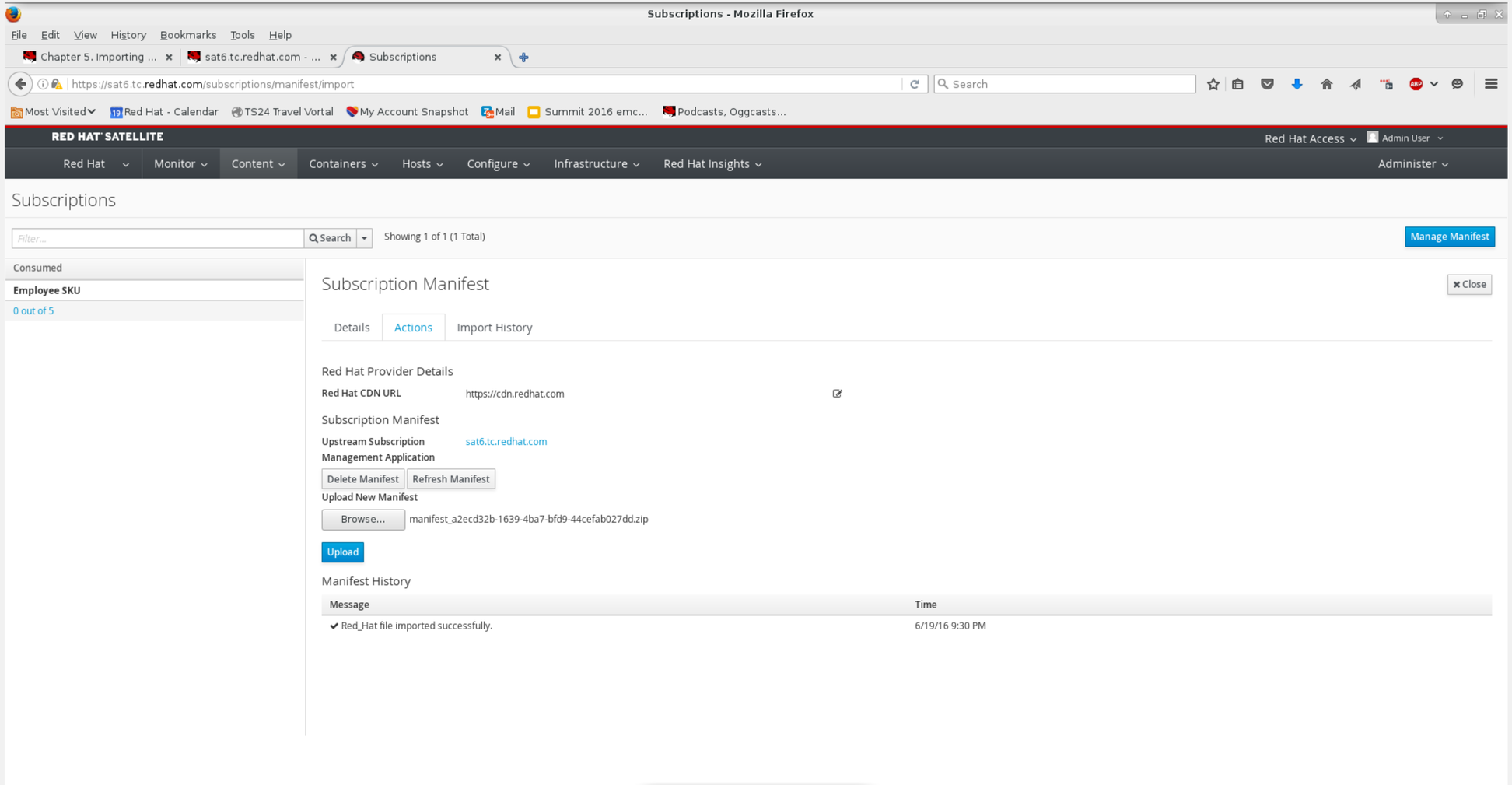
# Upload the manifest



# Product Management



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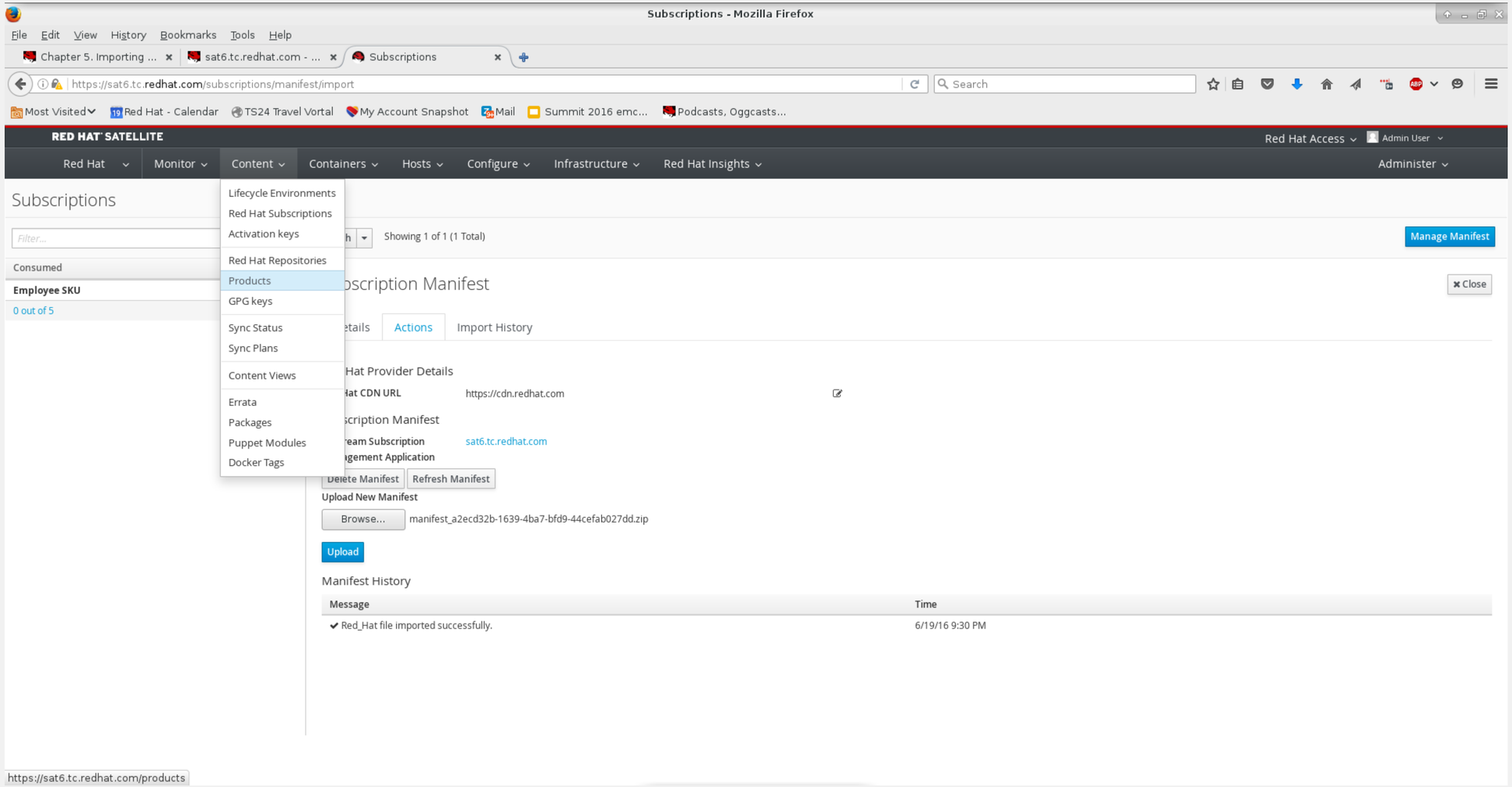
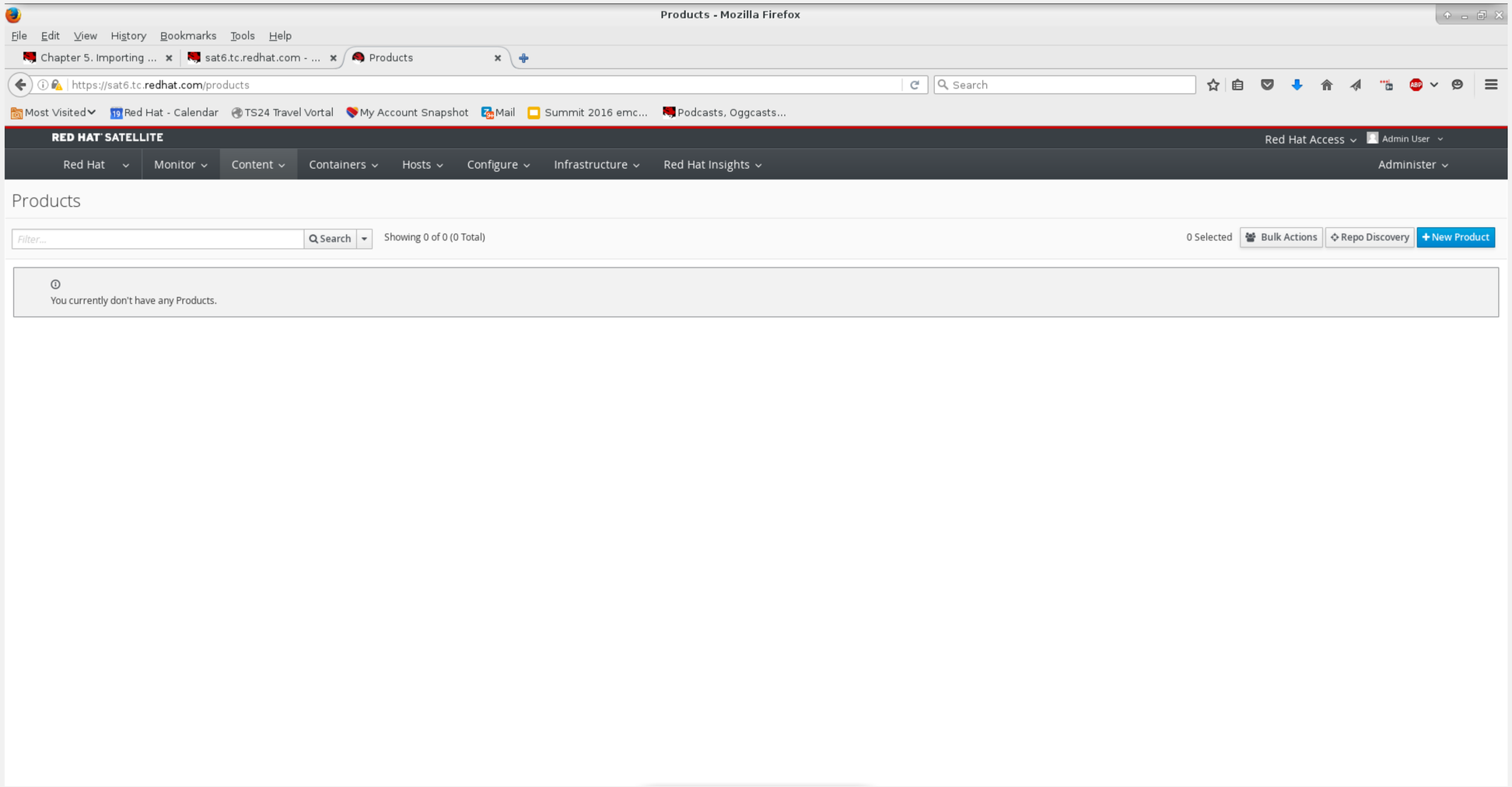
# What is a product?

- “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.”
  - https://access.redhat.com/documentation/en/red-hat-satellite/6.2-beta/content-management-guide/chapter-4-importing-red-hat-content

# Navigate to the Product page



# Define a product for a third part repo



# EPEL

New Product - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Chapter 5. Importing ... | sat6.tc.redhat.com - ... | New Product

https://sat6.tc.redhat.com/products/new

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Products

Filter... | Search | Showing 0 of 0 (0 Total) | 0 Selected | Bulk Actions | Repo Discovery | New Product

You currently don't have any Products.

New Product | Close

Name * Extra Packackages for Enterprise Linux

Label * Extra_Packackages_for_Enterprise_Linux

GPG Key

Sync Plan

+ New Sync Plan

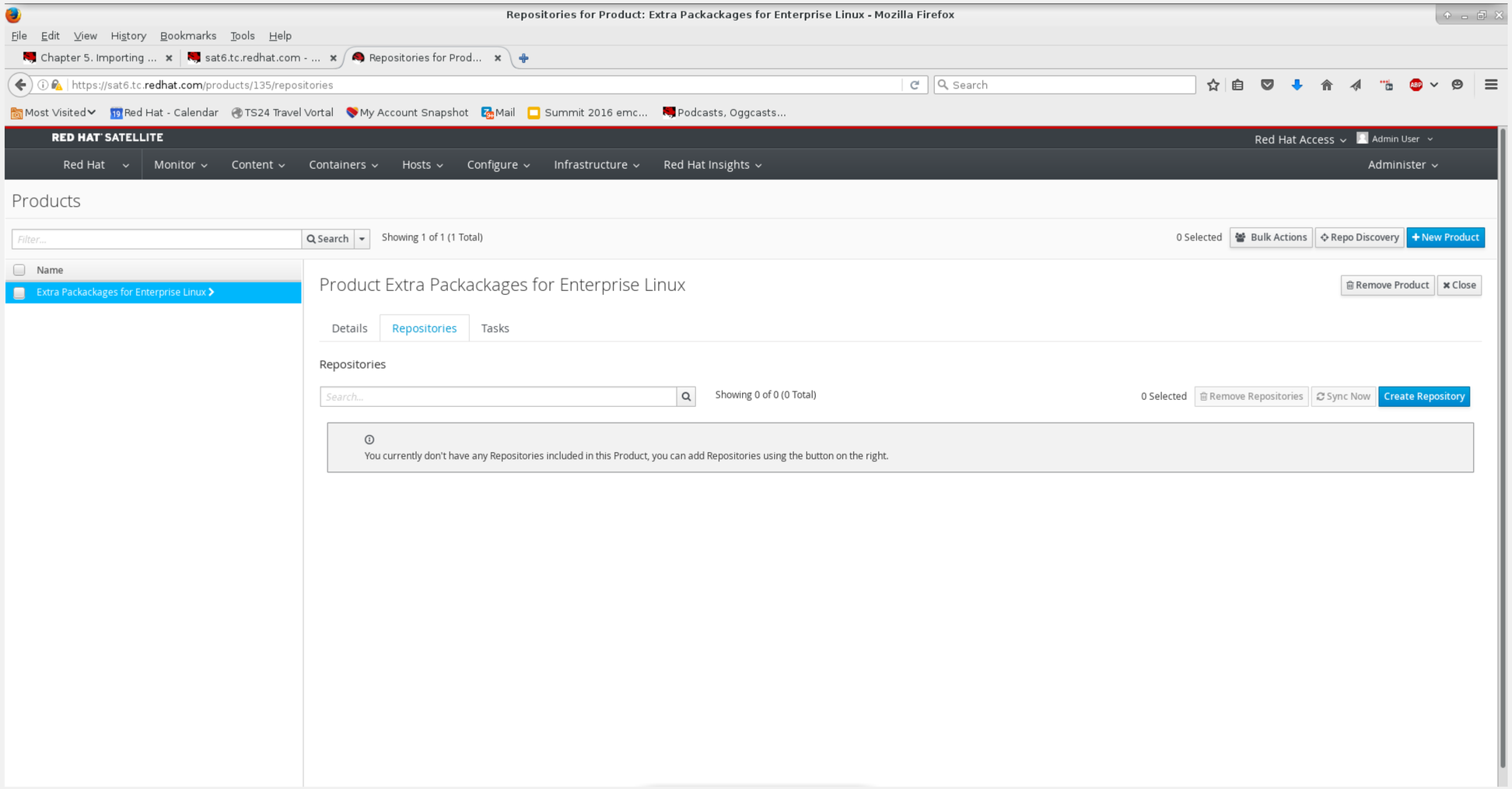
Description

Cancel | Save

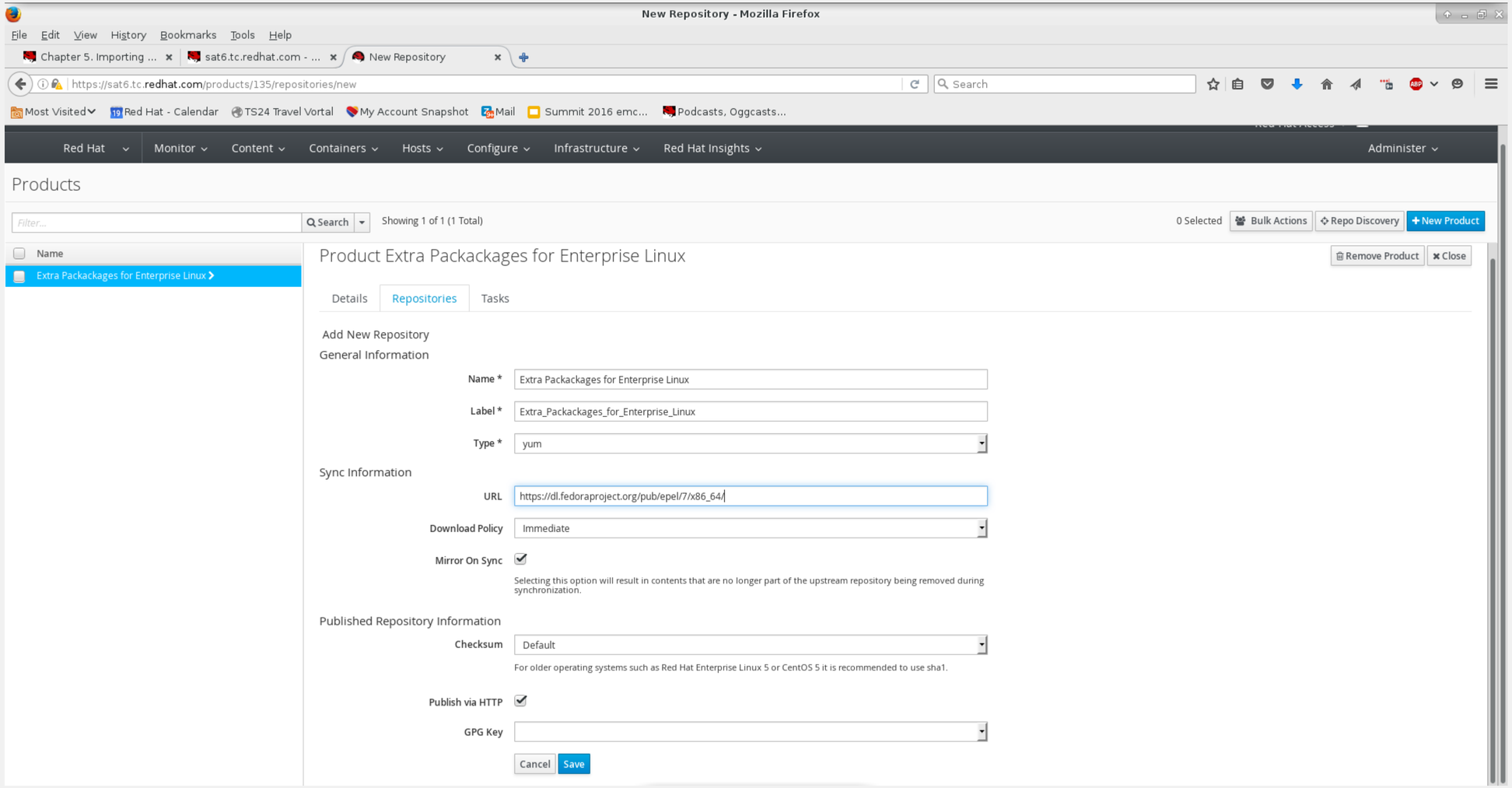


redhat.

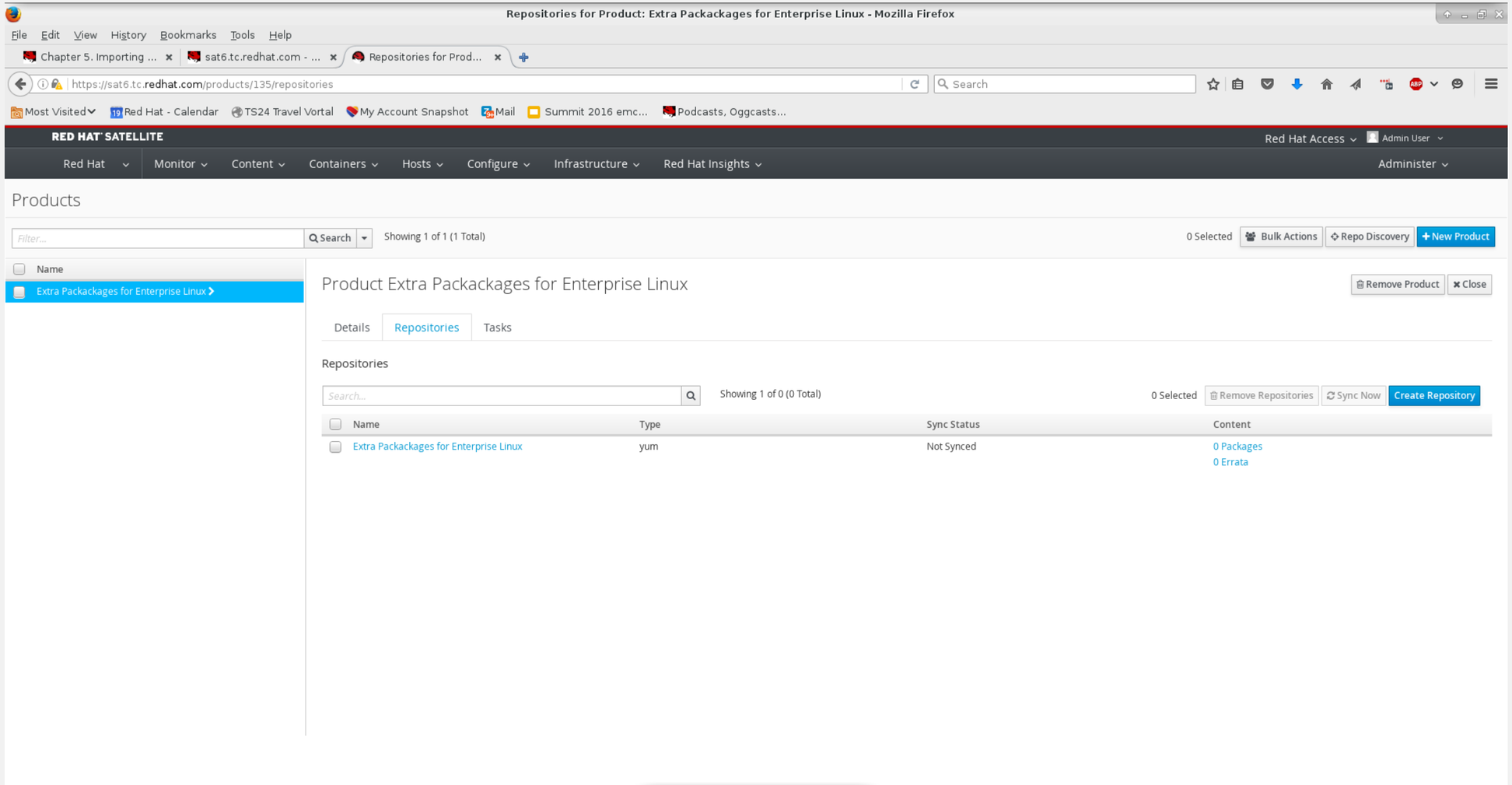
# EPEL


Repositories for Product: Extra Packackages for Enterprise Linux - Mozilla Firefox
File Edit View History Bookmarks Tools Help
Chapter 5. Importing ...
sat6.tc.redhat.com - ...
Repositories for Prod...
https://sat6.tc.redhat.com/products/135/repositories
Search
Most Visited
Red Hat - Calendar
TS24 Travel Vortal
My Account Snapshot
Mail
Summit 2016 emc...
Podcasts, Oggcasts...
RED HAT SATELLITE
Red Hat Access
Admin User
Red Hat
Monitor
Content
Containers
Hosts
Configure
Infrastructure
Red Hat Insights
Administer
Products
Filter...
Search
Showing 1 of 1 (1 Total)
0 Selected
Bulk Actions
Repo Discovery
New Product
Name
Extra Packackages for Enterprise Linux
Product Extra Packackages for Enterprise Linux
Remove Product
Close
Details
Repositories
Tasks
Repositories
Search...
Showing 0 of 0 (0 Total)
0 Selected
Remove Repositories
Sync Now
Create Repository
You currently don't have any Repositories included in this Product, you can add Repositories using the button on the right.

# Define the repo(s)



# Define the repo(s)



# Define a puppet module product

New Product - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Chapter 5. Importing ... | sat6.tc.redhat.com - ... | New Product

https://sat6.tc.redhat.com/products/new

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts...

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Products

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | Bulk Actions | Repo Discovery | + New Product

Name

Extra Packackages for Enterprise Linux

New Product | Close

Name * Puppet Product

Label * Puppet_Product

GPG Key

Sync Plan

+ New Sync Plan

Description

Cancel | Save



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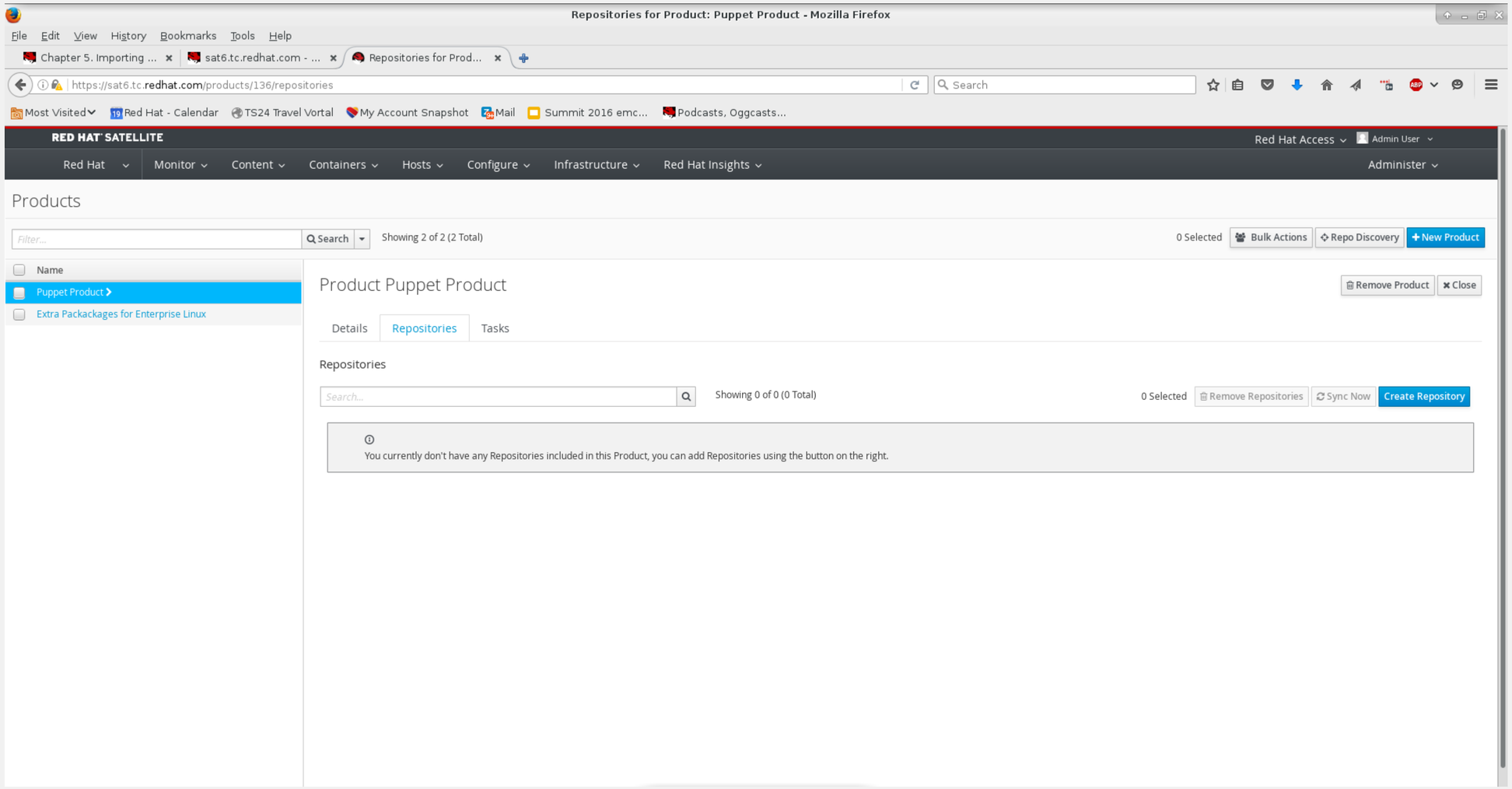
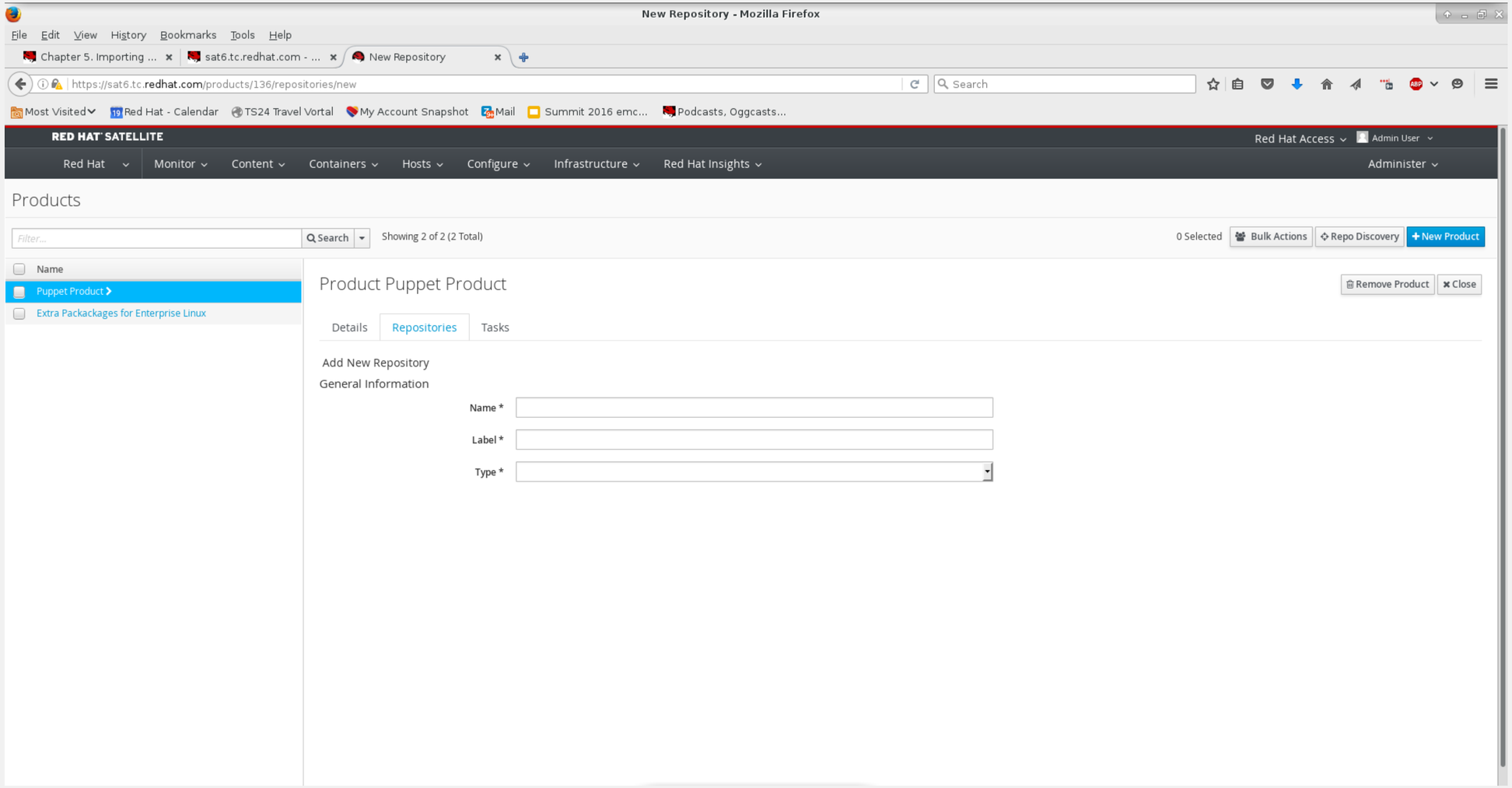
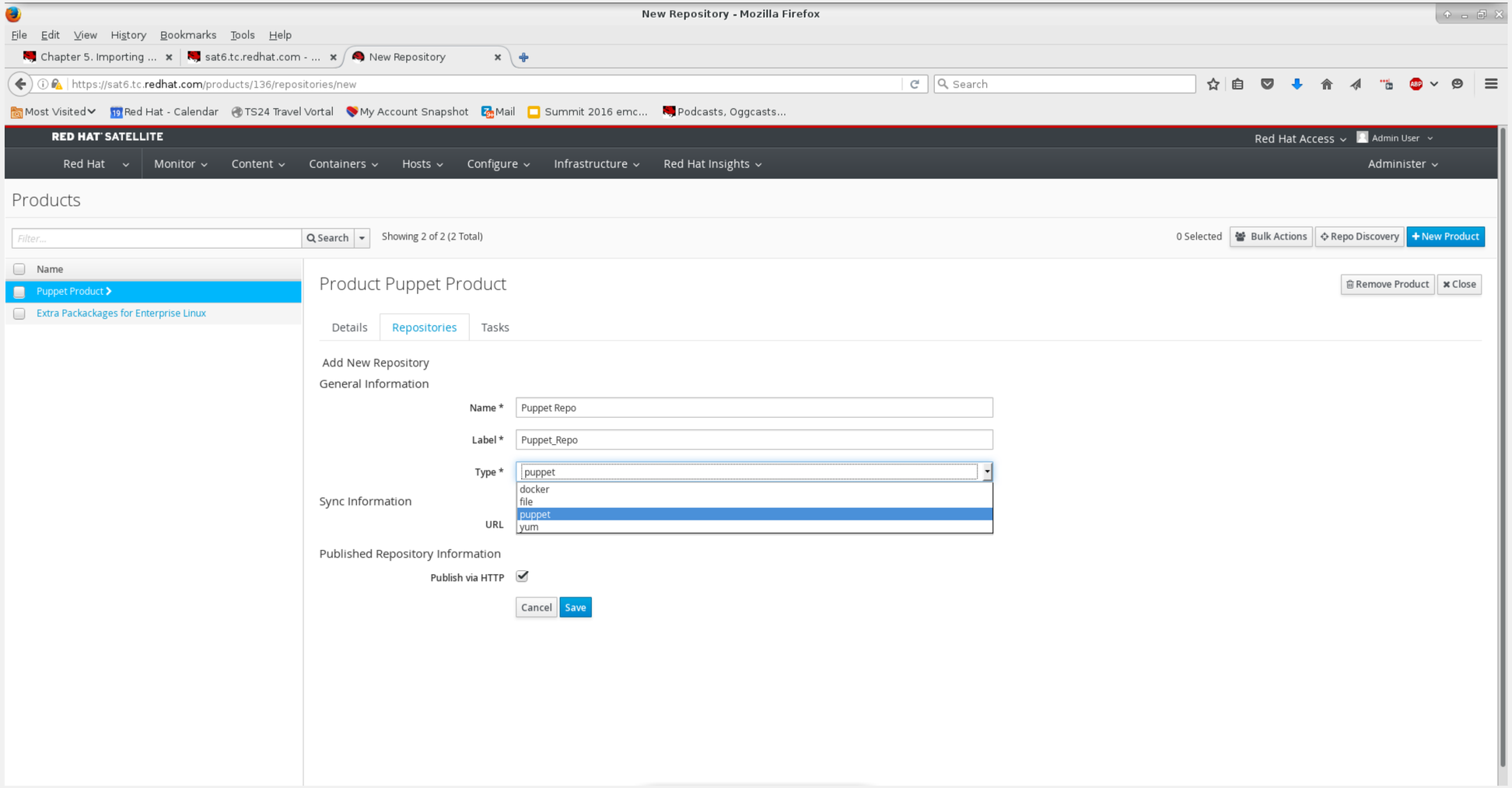
# Create the repository



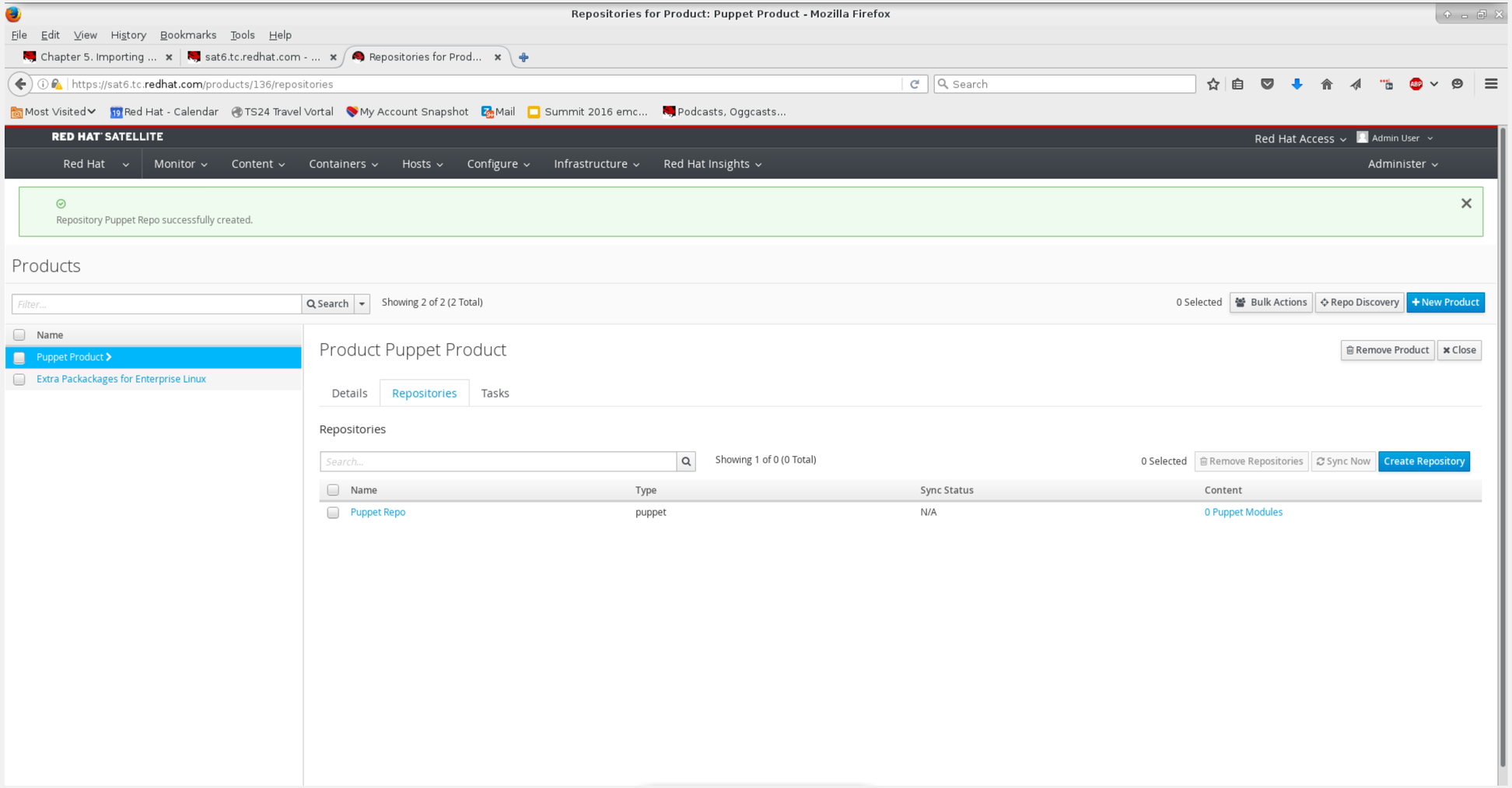
# Create the repository



# Create the repository



# Create the repository



# Figure out what we need for our modules

puppetlabs/motd · Puppet Forge - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Puppet Modules for C... | Content Views | puppetlabs/motd · Pu...

https://forge.puppet.com/puppetlabs/motd/dependencies

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puppetforge

Search from 4,266 modules Find

Publish a Module Sign Up Log In

**puppetlabs/motd** by: Puppet Project URL Report issues RSS Feed

A simple module to demonstrate managing /etc/motd or Windows Logon Message as a template

SUPPORTED

**Latest version is compatible with:**

- Puppet Enterprise 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

**Use this command to install the latest compatible version:**

```
puppet module install puppetlabs-motd
```

1,701,421

Latest version: 32,115

Learn about installing and upgrading modules download latest tar.gz

**Quality Score** 5.0

*No change with last release* details

**Community Rating** 3.2

*Based on 9 questions answered* details

**Tell us about this module**

How helpful are the docs? not at all helpful

How easy to use? hard easy

Does what it promises? Y N

Works without changes? Y N

Used in production? Y N

Version **1.4.0** released **Jan 26th 2016**

Select another release: 1.4.0 Download

README Changelog **Dependencies** Compatibility License Scores

- puppetlabs/registry (>= 1.0.0 < 2.0.0)
- puppetlabs/stdlib (>= 2.1.0 < 5.0.0)



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# Add puppet modules

Repository: Puppet Repo - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Chapter 5. Importing ... | sat6.tc.redhat.com - ... | Repository: Puppet R...

https://sat6.tc.redhat.com/products/136/repositories/2

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## Products

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | Bulk Actions | Repo Discovery | New Product

| Name |
|---|
| Puppet Product |
| Extra Packackages for Enterprise Linux |

## Product Puppet Product

Remove Product | Close

Details | Repositories | Tasks

Back to Repository List

Manage Puppet Modules

Remove Repository

### Basic Information

| | |
|---|---|
| Name | Puppet Repo |
| Label | Puppet_Repo |
| Type | puppet |
| URL | |
| Publish via HTTPS | Yes |
| Publish via HTTP | Yes |
| Published At | http://sat6.tc.redhat.com/pulp/puppet/Red_Hat-Puppet_Product-Puppet_Repo |

### Sync Status

| | |
|---|---|
| Sync Interval | Synced manually, no interval set. |
| Last Sync | Ago ( Local Time) |
| Next Sync | Synced manually, no interval set. |
| Sync State | |

### Content Counts

| Content Type | |
|---|---|
| Puppet Modules | 0 |

### Upload Puppet Module

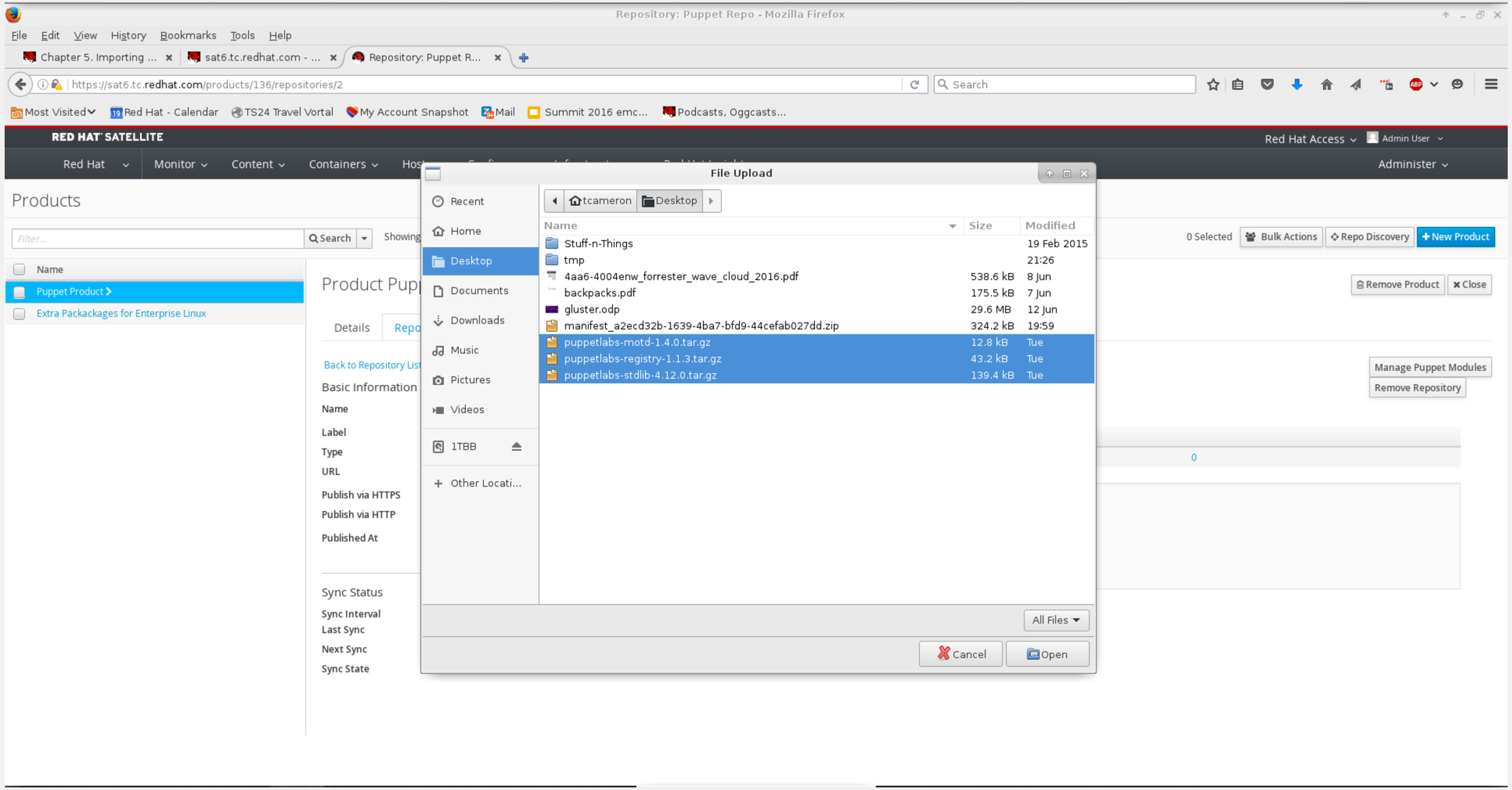
Browse... No files selected.

Upload



redhat.

# Add puppet modules






redhat

# Add puppet modules

Repository: Puppet Repo - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Chapter 5. Importing ... | sat6.tc.redhat.com - ... | Repository: Puppet R...

https://sat6.tc.redhat.com/products/136/repositories/2

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts...

RED HAT SATELLITE

Red Hat Access | Admin User

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

## Products

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | Bulk Actions | Repo Discovery | New Product

| Name |
|---|
| Puppet Product |
| Extra Packackages for Enterprise Linux |

## Product Puppet Product

Remove Product | Close

Details | Repositories | Tasks

Back to Repository List

Manage Puppet Modules

Remove Repository

### Basic Information

| | |
|---|---|
| Name | Puppet Repo |
| Label | Puppet_Repo |
| Type | puppet |
| URL | |
| Publish via HTTPS | Yes |
| Publish via HTTP | Yes |
| Published At | http://sat6.tc.redhat.com/pulp/puppet/Red_Hat-Puppet_Product-Puppet_Repo |

### Sync Status

| | |
|---|---|
| Sync Interval | Synced manually, no interval set. |
| Last Sync | Ago ( Local Time) |
| Next Sync | Synced manually, no interval set. |
| Sync State | |

### Content Counts

| Content Type | |
|---|---|
| Puppet Modules | 0 |

### Upload Puppet Module

Browse... 3 files selected.

Uploading...

Waiting for sat6.tc.redhat.com...



redhat.

# Add puppet modules

Repository: Puppet Repo - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Chapter 5. Importing ... | sat6.tc.redhat.com - ... | Repository: Puppet R...

https://sat6.tc.redhat.com/products/136/repositories/2

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts...

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Red Hat Access | Admin User

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

## Products

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | Bulk Actions | Repo Discovery | New Product

| Name |
|---|
| Puppet Product |
| Extra Packackages for Enterprise Linux |

## Product Puppet Product

Remove Product | Close

Details | Repositories | Tasks

Back to Repository List

Manage Puppet Modules | Remove Repository

### Basic Information

| | |
|---|---|
| Name | Puppet Repo |
| Label | Puppet_Repo |
| Type | puppet |
| URL | |
| Publish via HTTPS | Yes |
| Publish via HTTP | Yes |
| Published At | http://sat6.tc.redhat.com/pulp/puppet/Red_Hat-Puppet_Product-Puppet_Repo |

### Sync Status

| | |
|---|---|
| Sync Interval | Synced manually, no interval set. |
| Last Sync | Ago ( Local Time) |
| Next Sync | Synced manually, no interval set. |
| Sync State | |

### Content Counts

| Content Type | |
|---|---|
| Puppet Modules | 3 |

### Upload Puppet Module

Content successfully uploaded

Browse... 3 files selected.

Upload



redhat.

# Repository Management



redhat.

# 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.

# Navigate to Red Hat Repositories

Repository: Puppet Repo - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Chapter 5. Importing ... | sat6.tc.redhat.com - ... | Repository: Puppet R...

https://sat6.tc.redhat.com/products/136/repositories/2

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts...

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

Lifecycle Environments
Red Hat Subscriptions
Activation keys
Red Hat Repositories
Products
GPG keys
Sync Status
Sync Plans
Content Views
Errata
Packages
Puppet Modules
Docker Tags

Products

Filter...

Showing 2 of 2 (2 Total)

0 Selected | Bulk Actions | Repo Discovery | New Product

| Name |
|---|
| Puppet Product |
| Extra Packackages for Enterprise Linux |

oduct Puppet Product

Remove Product | Close

etails | Repositories | Tasks

to Repository List

Manage Puppet Modules
Remove Repository

c Information

| | |
|---|---|
| e | Puppet Repo |
| | Puppet_Repo |
| | puppet |
| Publish via HTTPS | Yes |
| Publish via HTTP | Yes |
| Published At | http://sat6.tc.redhat.com/pulp/puppet/Red_Hat-Puppet_Product-Puppet_Repo |

Sync Status

| | |
|---|---|
| Sync Interval | Synced manually, no interval set. |
| Last Sync | Ago ( Local Time) |
| Next Sync | Synced manually, no interval set. |
| Sync State | |

Content Counts

| Content Type | |
|---|---|
| Puppet Modules | 3 |

Upload Puppet Module

Browse... 3 files selected.

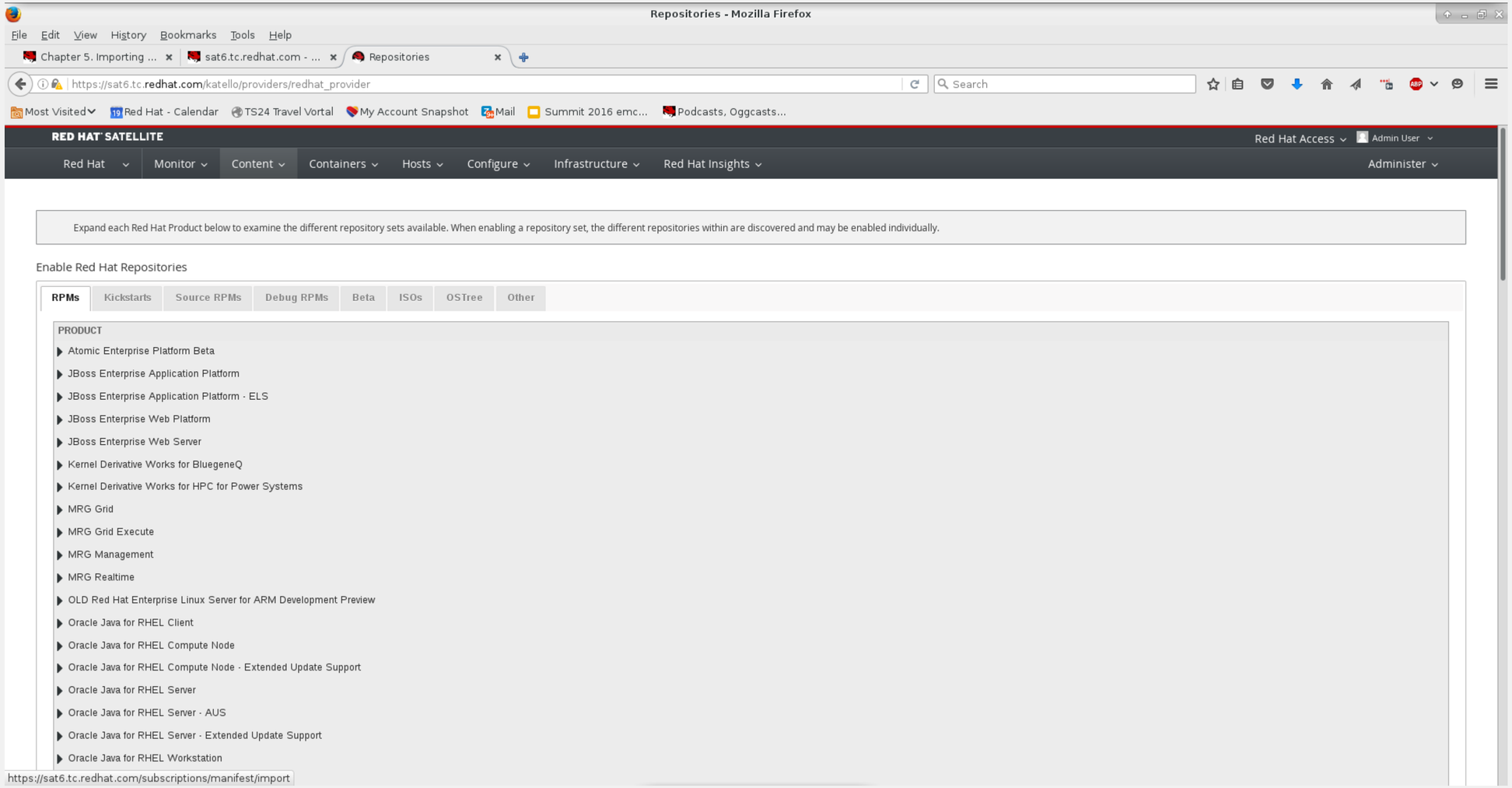
Upload

https://sat6.tc.redhat.com/katello/providers/redhat_provider

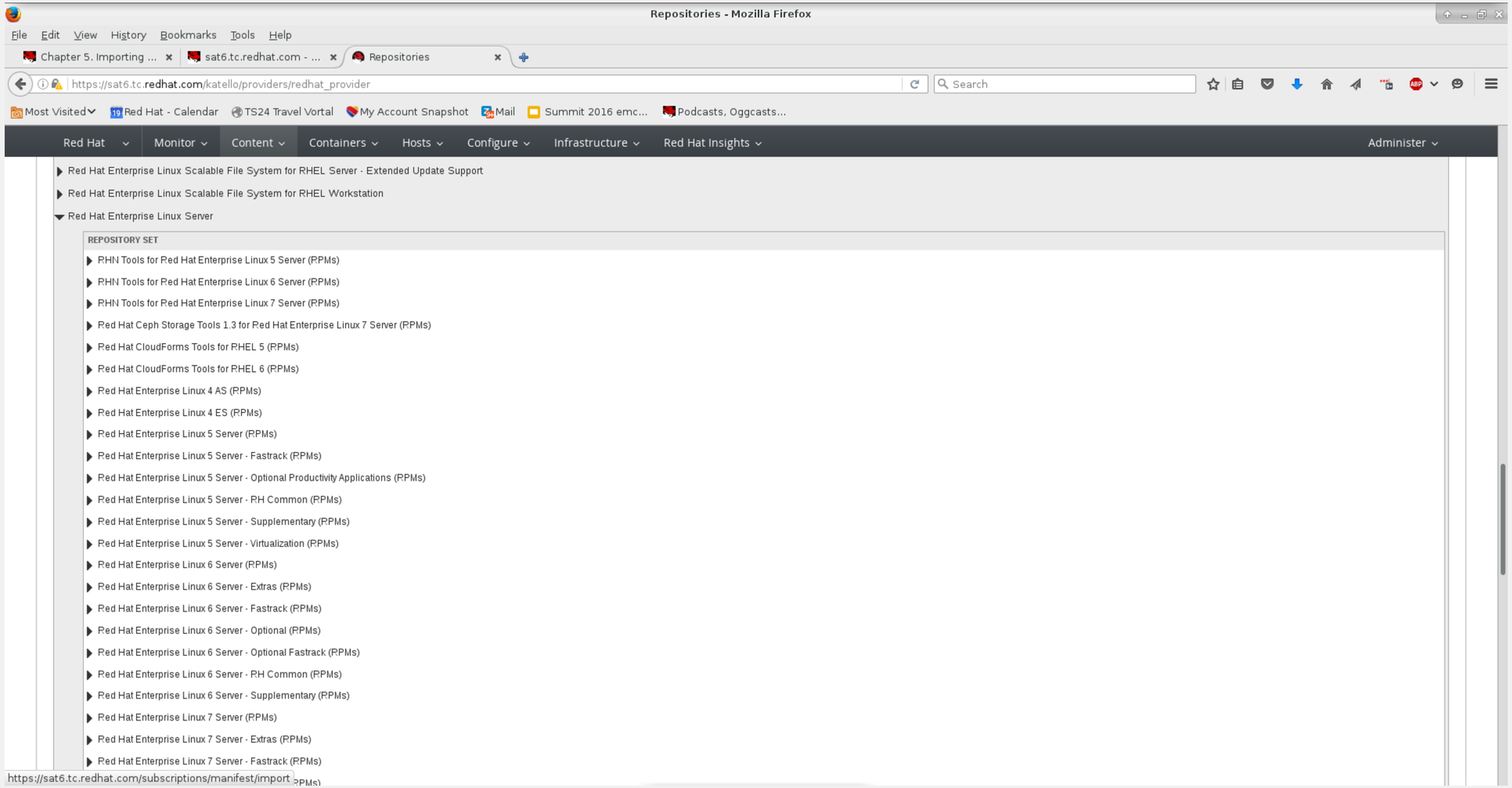


redhat.

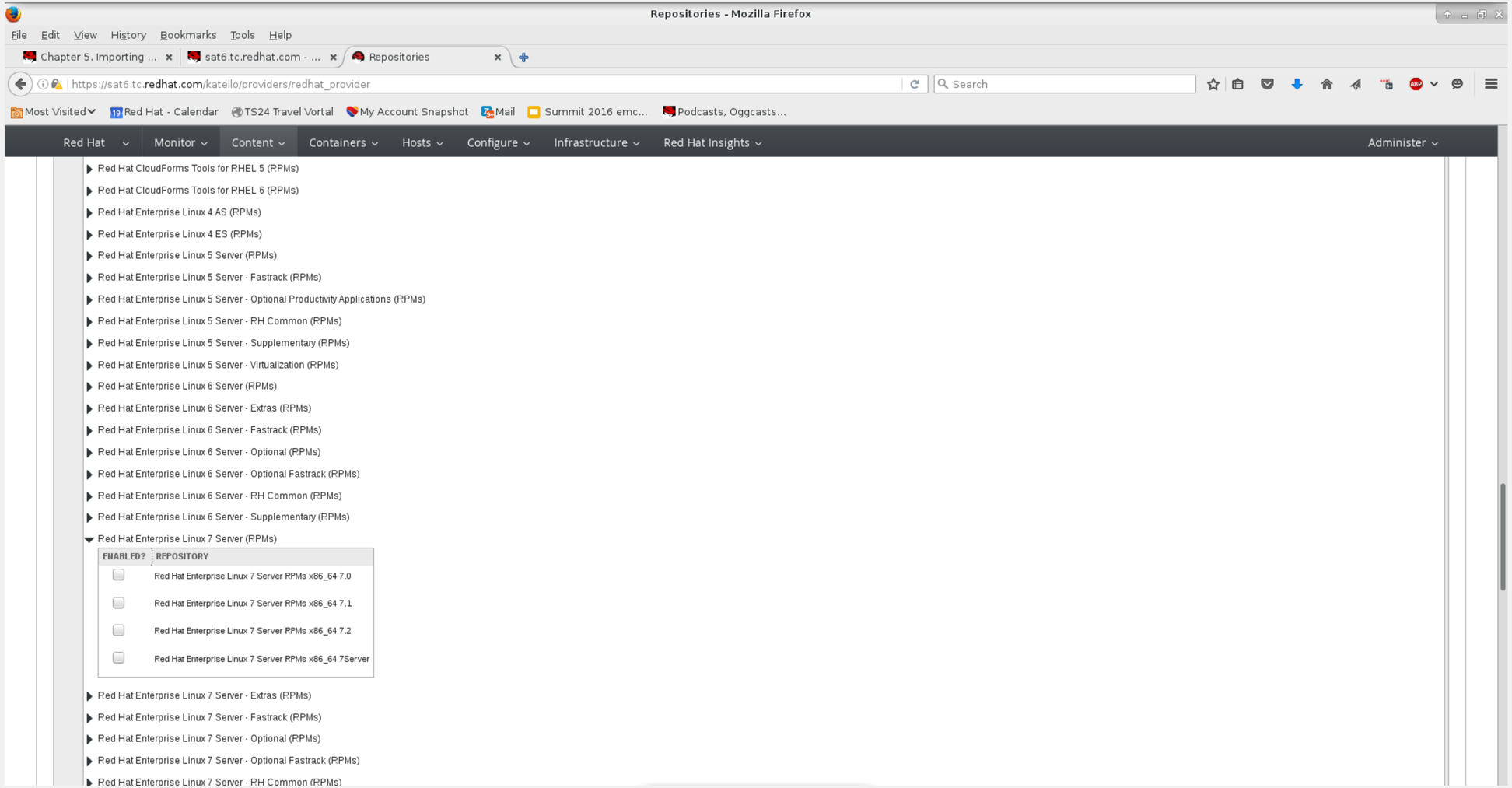
# Navigate the content repos



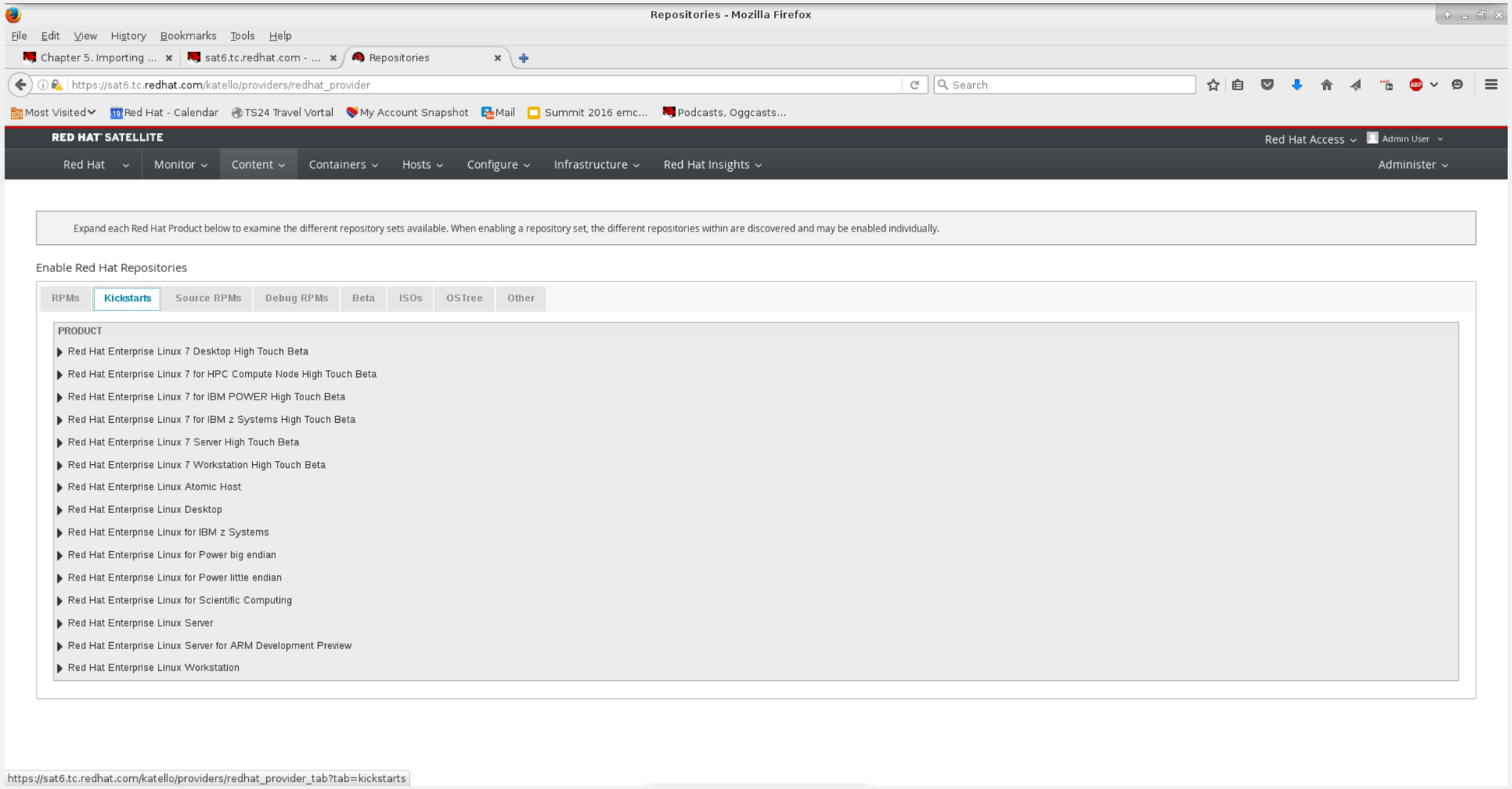
# Expand the product you want to sync



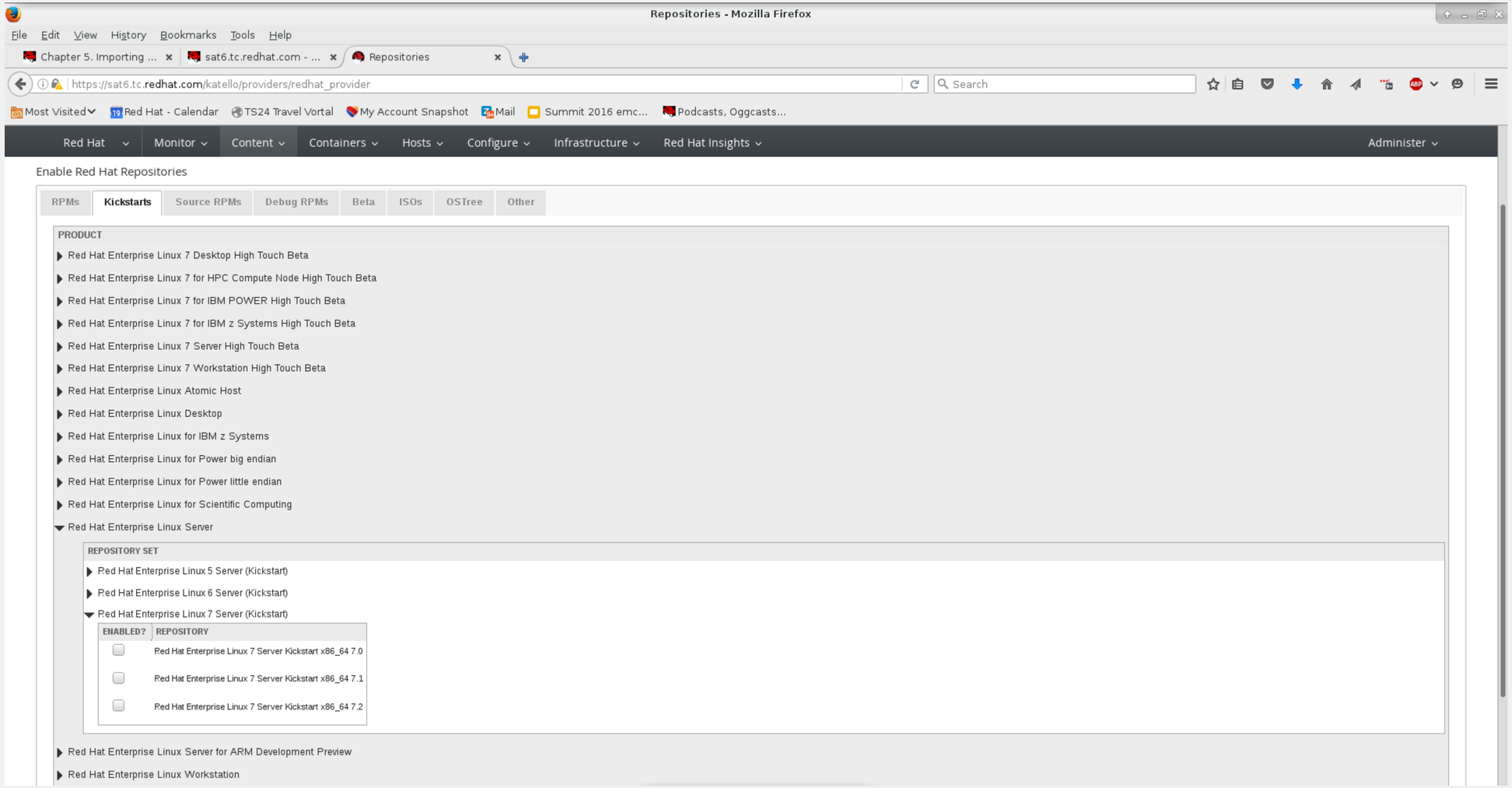
# Choose the specific repos



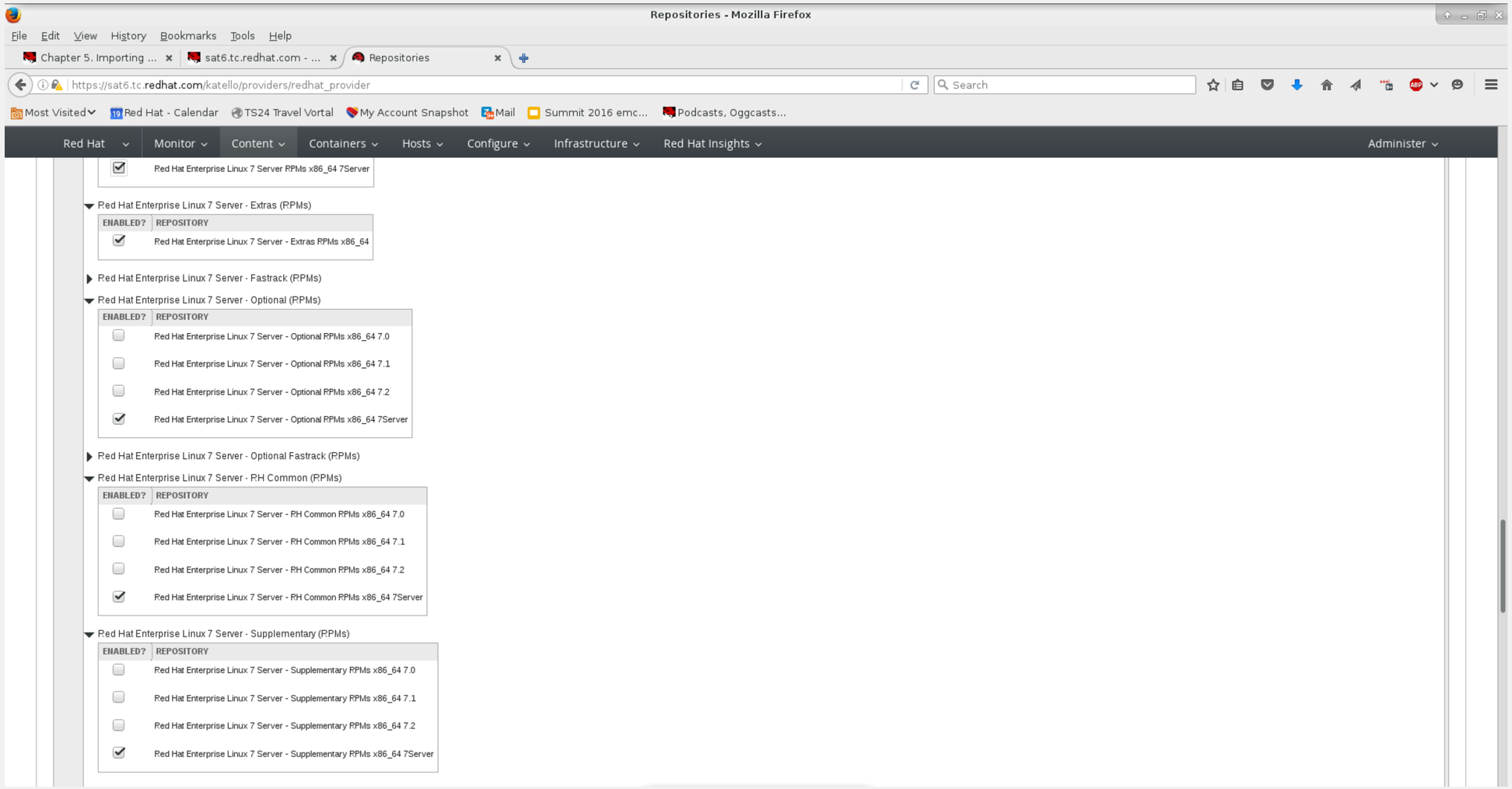
# Navigate to the kickstarts



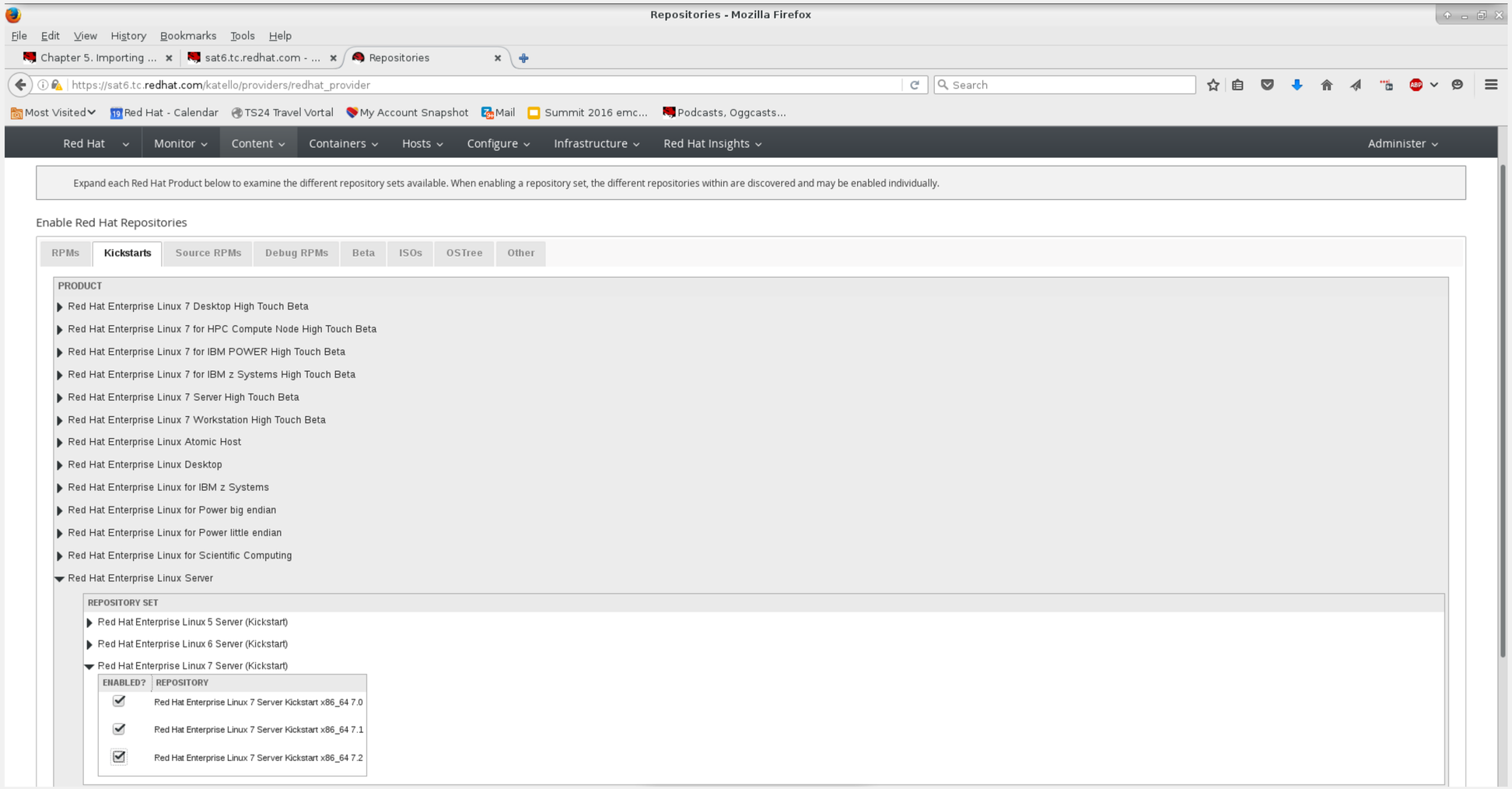
# Select the ones you want to sync



# Difference between Xserver and X.0, X.1, X.2, etc.



# Select the kickstart trees you want to sync



# Sync Content

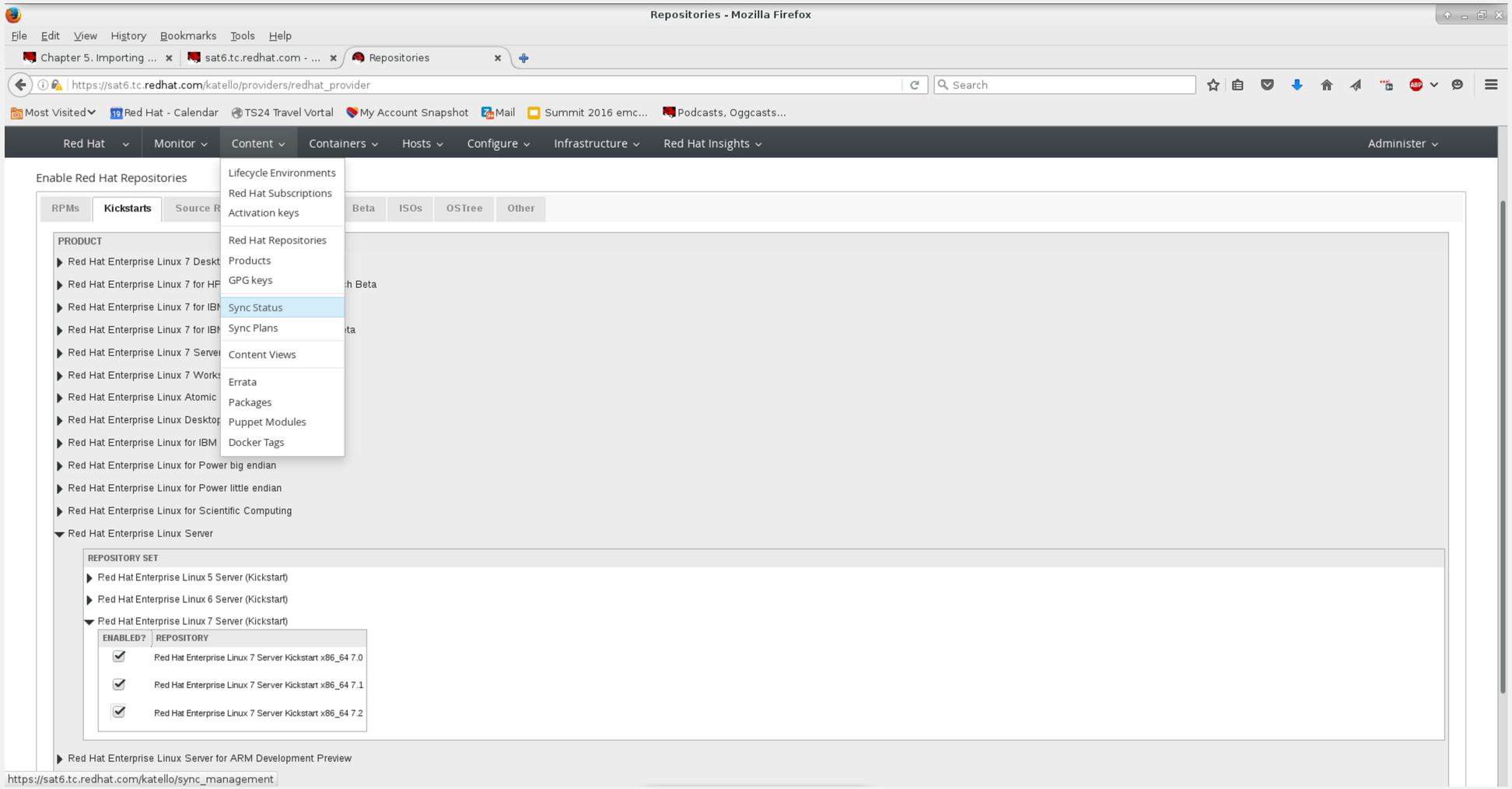


redhat.

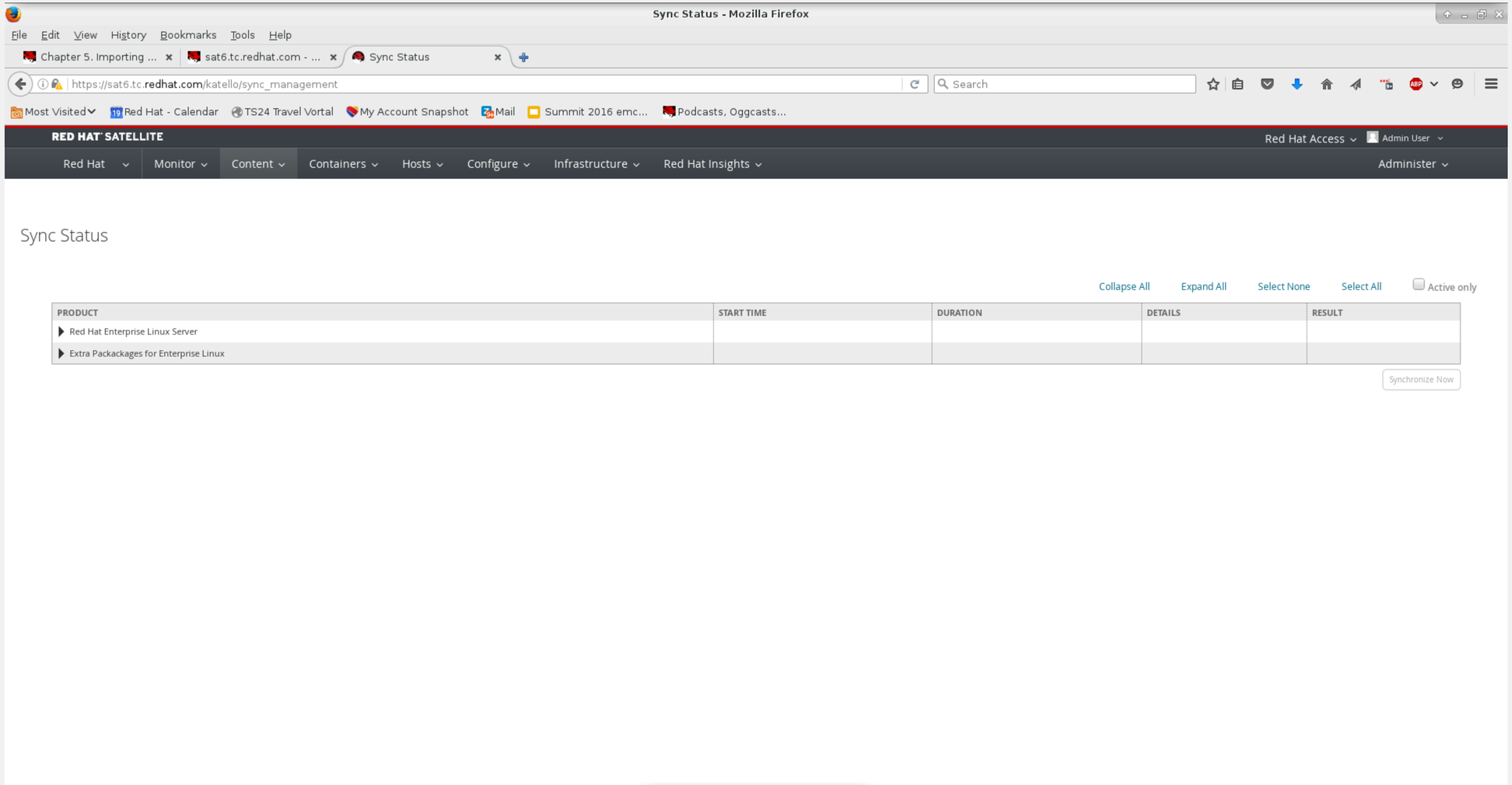
# Synchronizing content

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

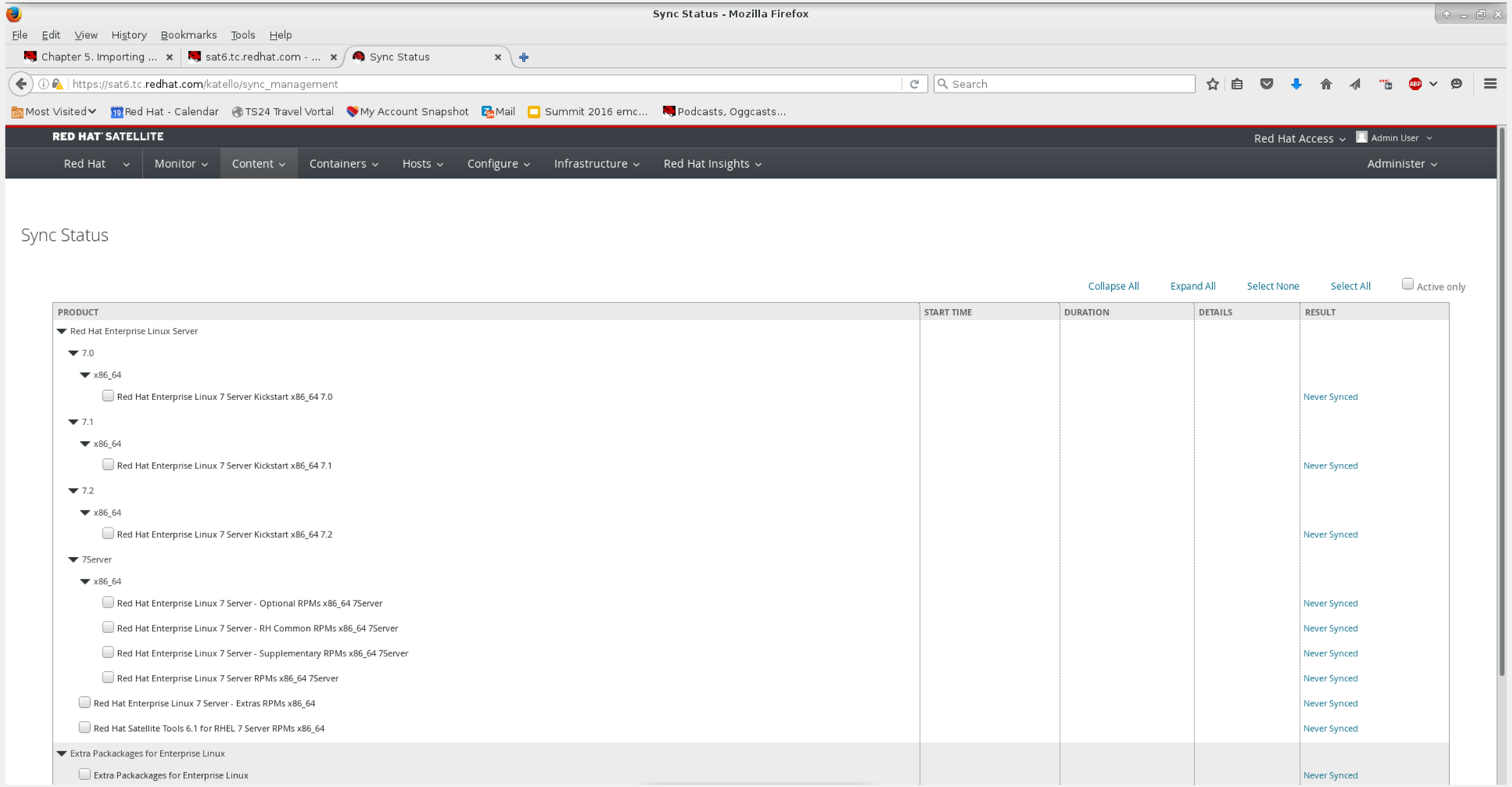
# Navigate to Sync Status



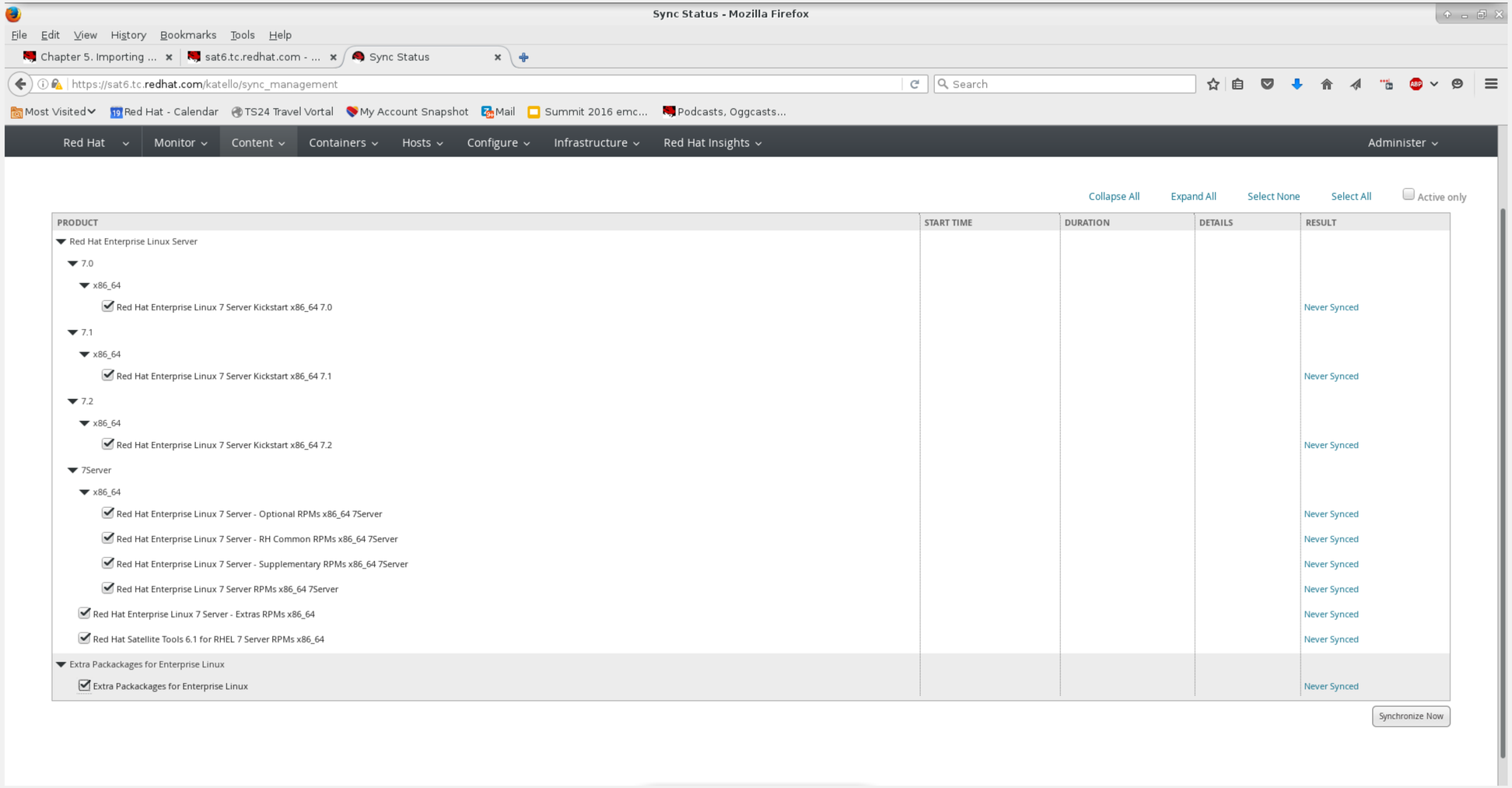
# Navigate to Sync Status



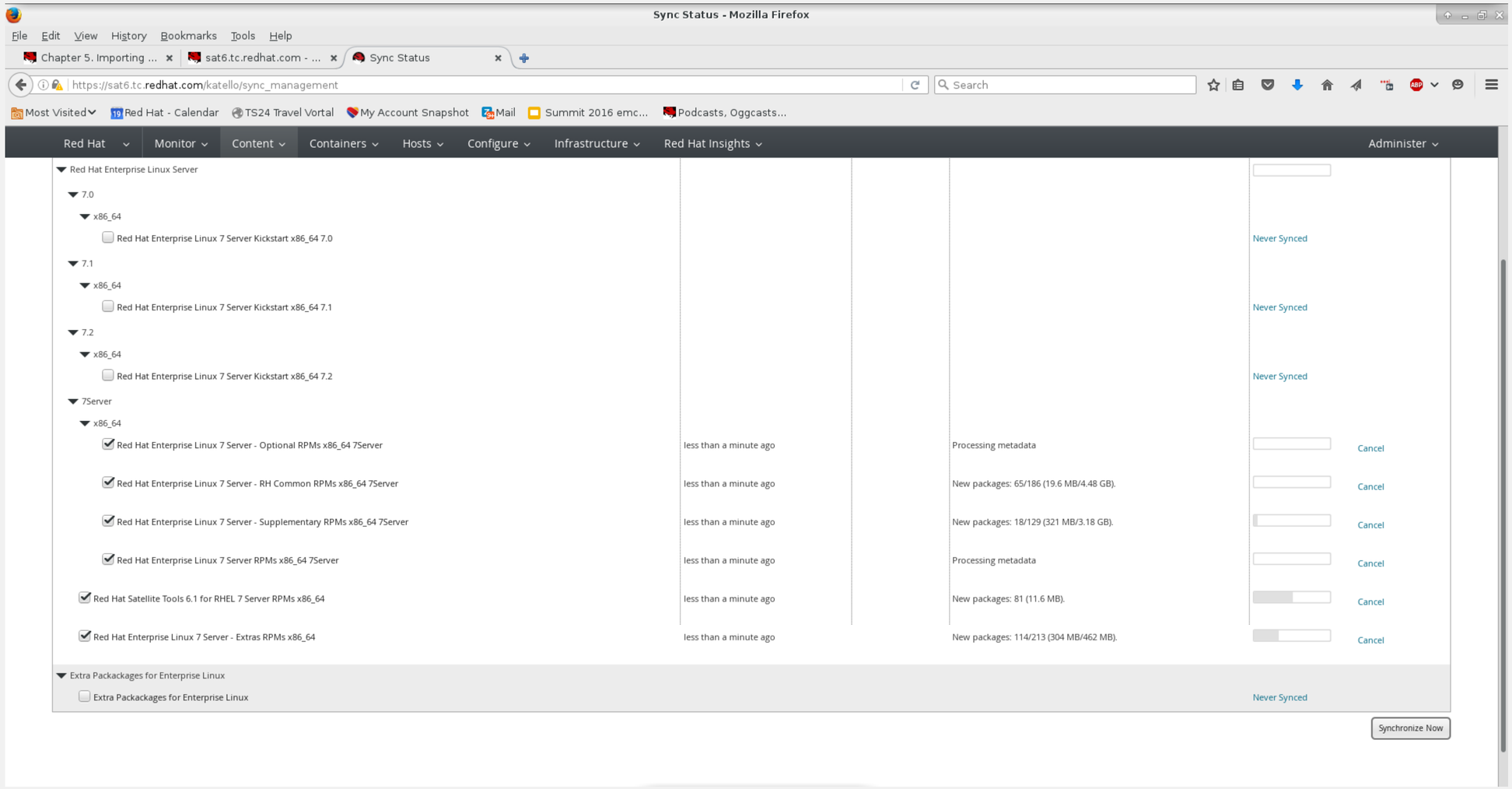
# Expand the product(s) you want to sync



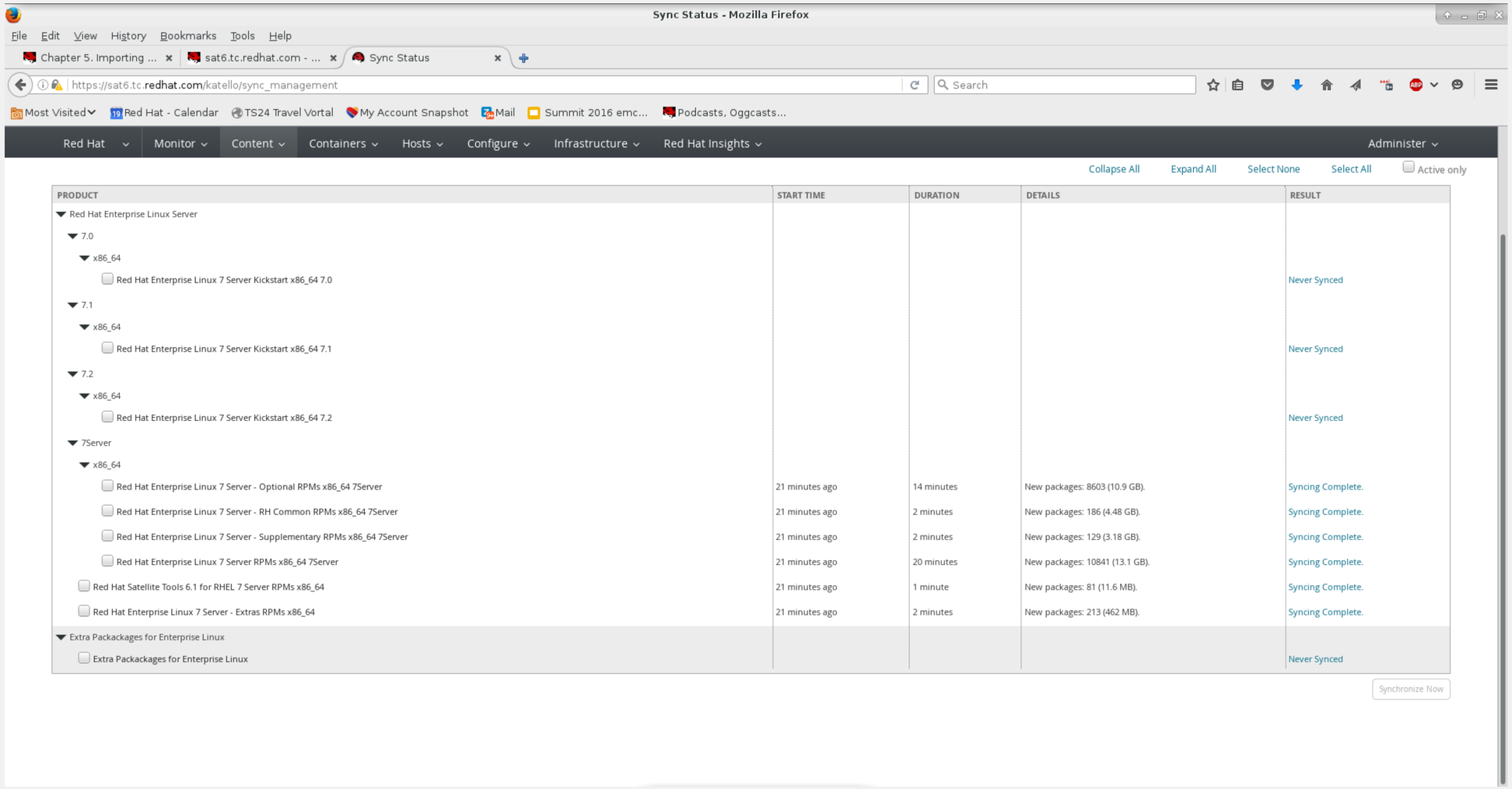
# Check the box for each product



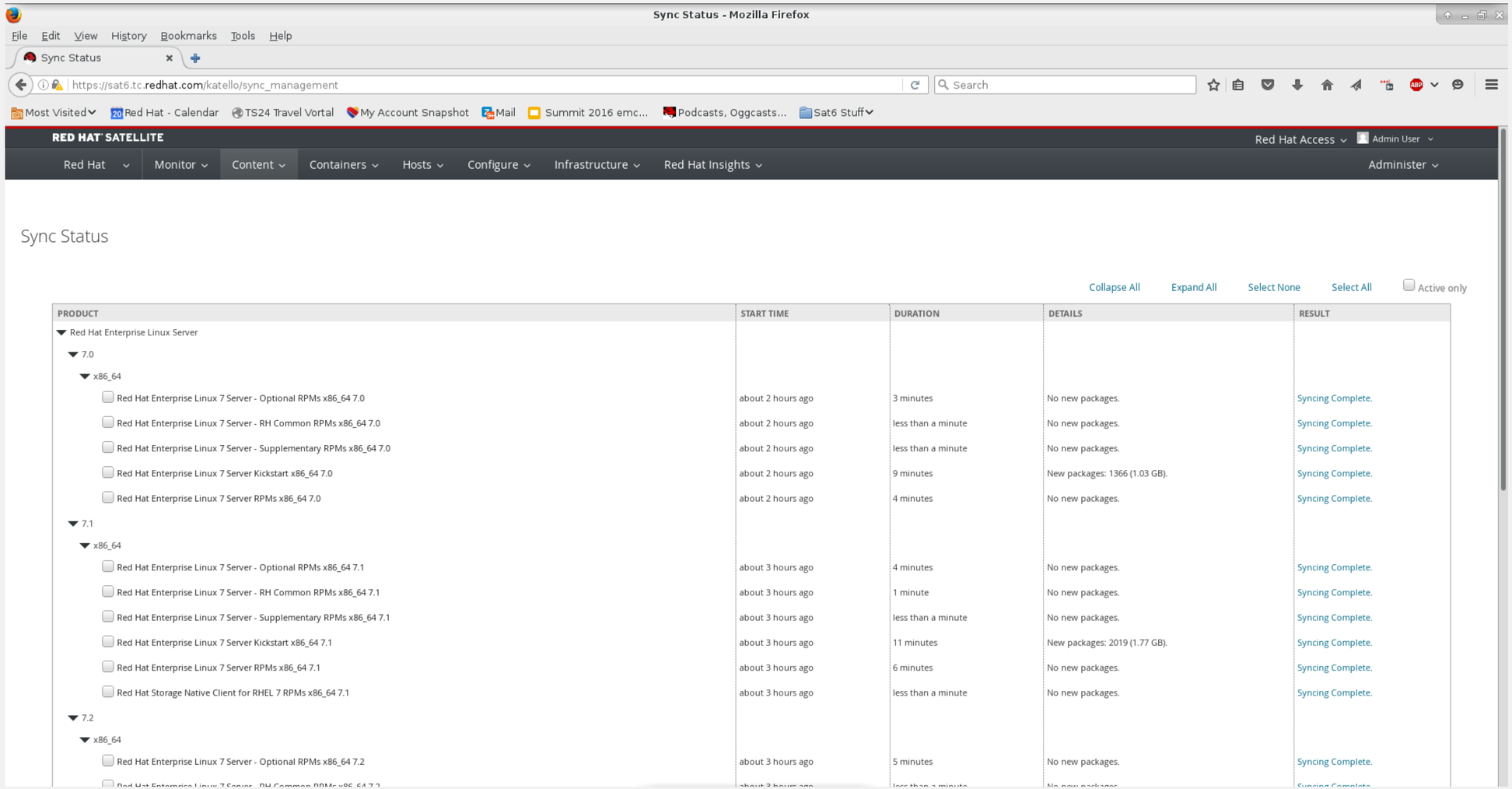
# Click the “synchronize now” button (and take a break)



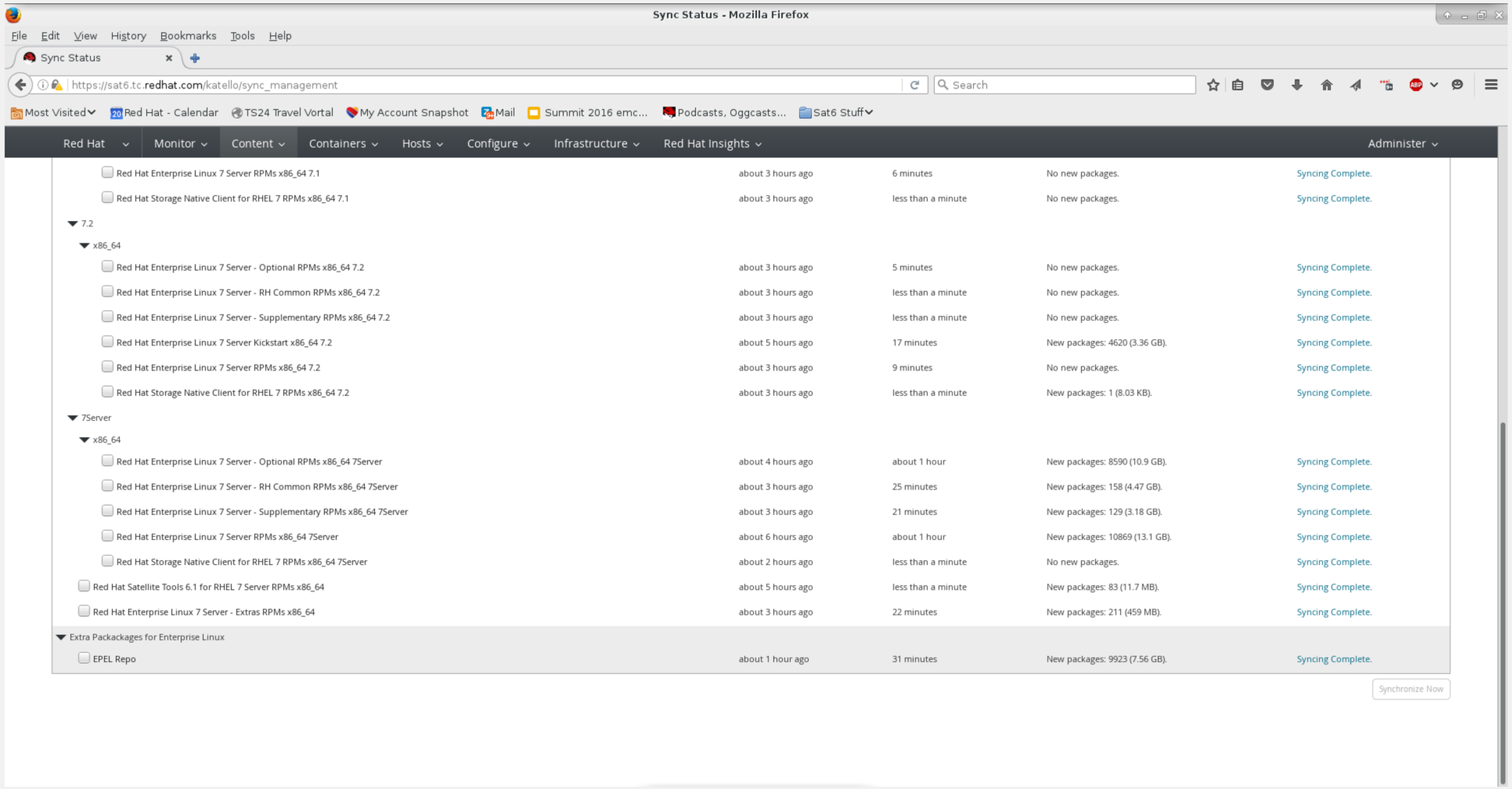
# Click the “synchronize now” button (and take a break)



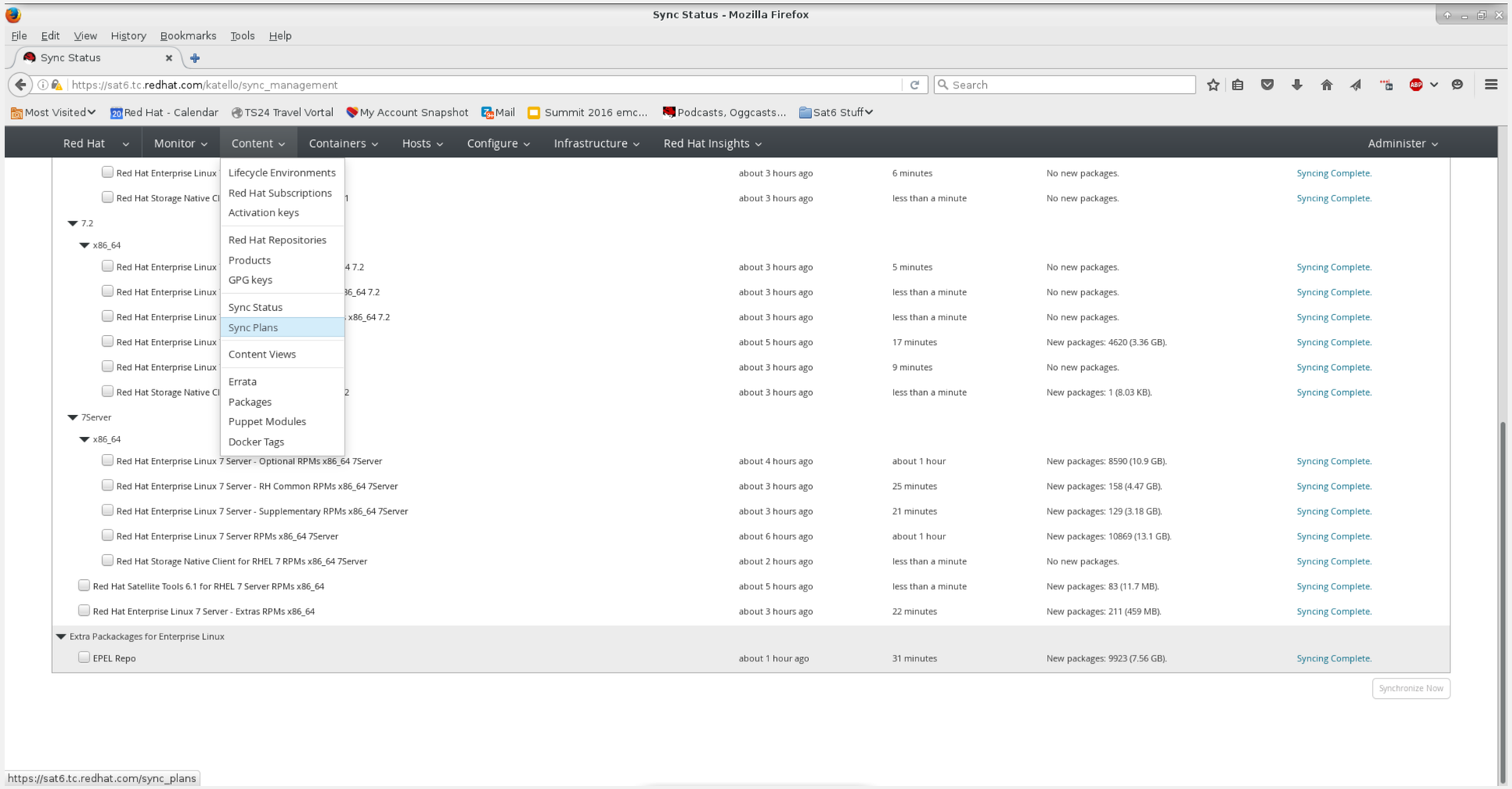
# Hint: Sync the Xserver channels first and by themselves



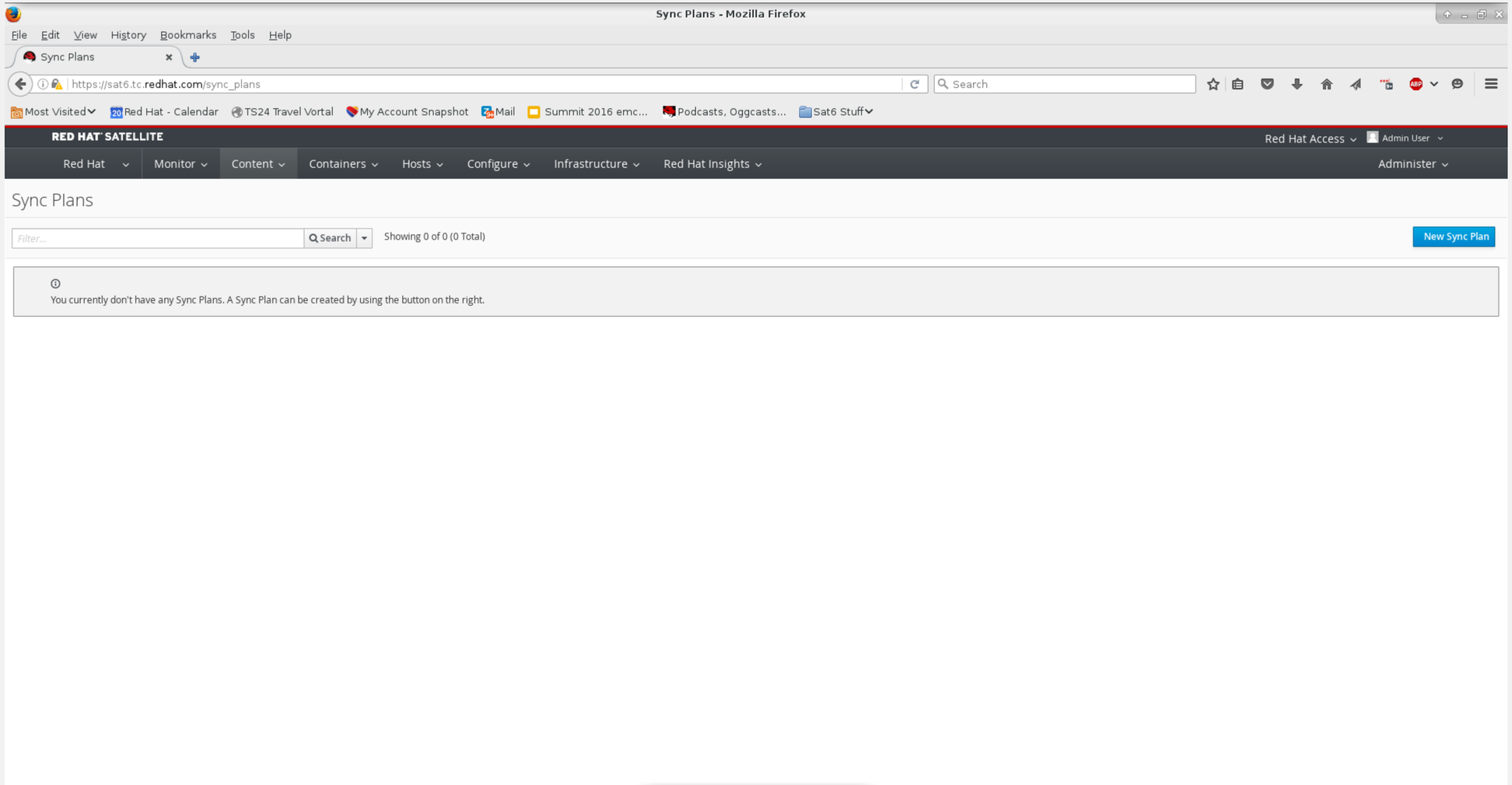
# Hint: Sync the Xserver channels first and by themselves



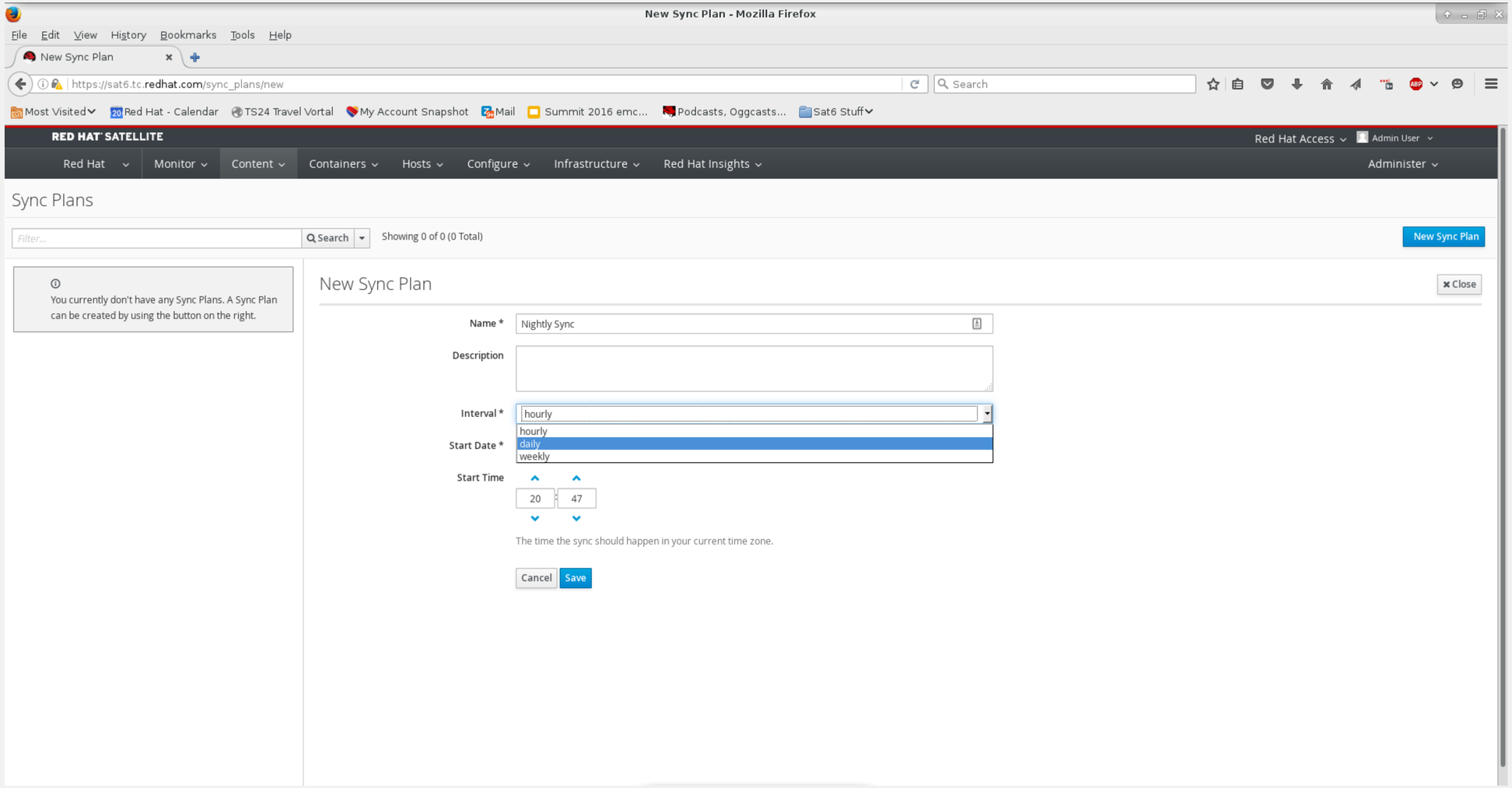
# Now set a recurring sync job (no more cron!)



# Click New Sync Plan



# Fill out the form



# Fill out the form

New Sync Plan - Mozilla Firefox

File Edit View History Bookmarks Tools Help

New Sync Plan

https://sat6.tc.redhat.com/sync_plans/new

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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Sync Plans

Filter... | Search | Showing 0 of 0 (0 Total) | New Sync Plan

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

New Sync Plan | Close

Name * Nightly Sync

Description

Interval * daily

Start Date * 2016-06-20

Start Time 02 : 00

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

Cancel | Save



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# Details page

Sync Plan: Nightly Sync - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Sync Plan: Nightly Sync

https://sat6.tc.redhat.com/sync_plans/1/info

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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

New sync plan successfully created.

## Sync Plans

Filter... | Search | Showing 1 of 1 (1 Total) | New Sync Plan

Name

Nightly Sync

### Sync Plan Nightly Sync

Run Sync Plan | Remove Sync Plan | Close

Details | Products

#### Basic Information

| | |
|---|---|
| Name | Nightly Sync |
| Description | |
| Start Date | 2016/06/21 02:00:00 PDT |
| Next Sync | 2016/06/21 02:00:00 PDT |
| Sync Enabled | Yes |
| Interval | daily |



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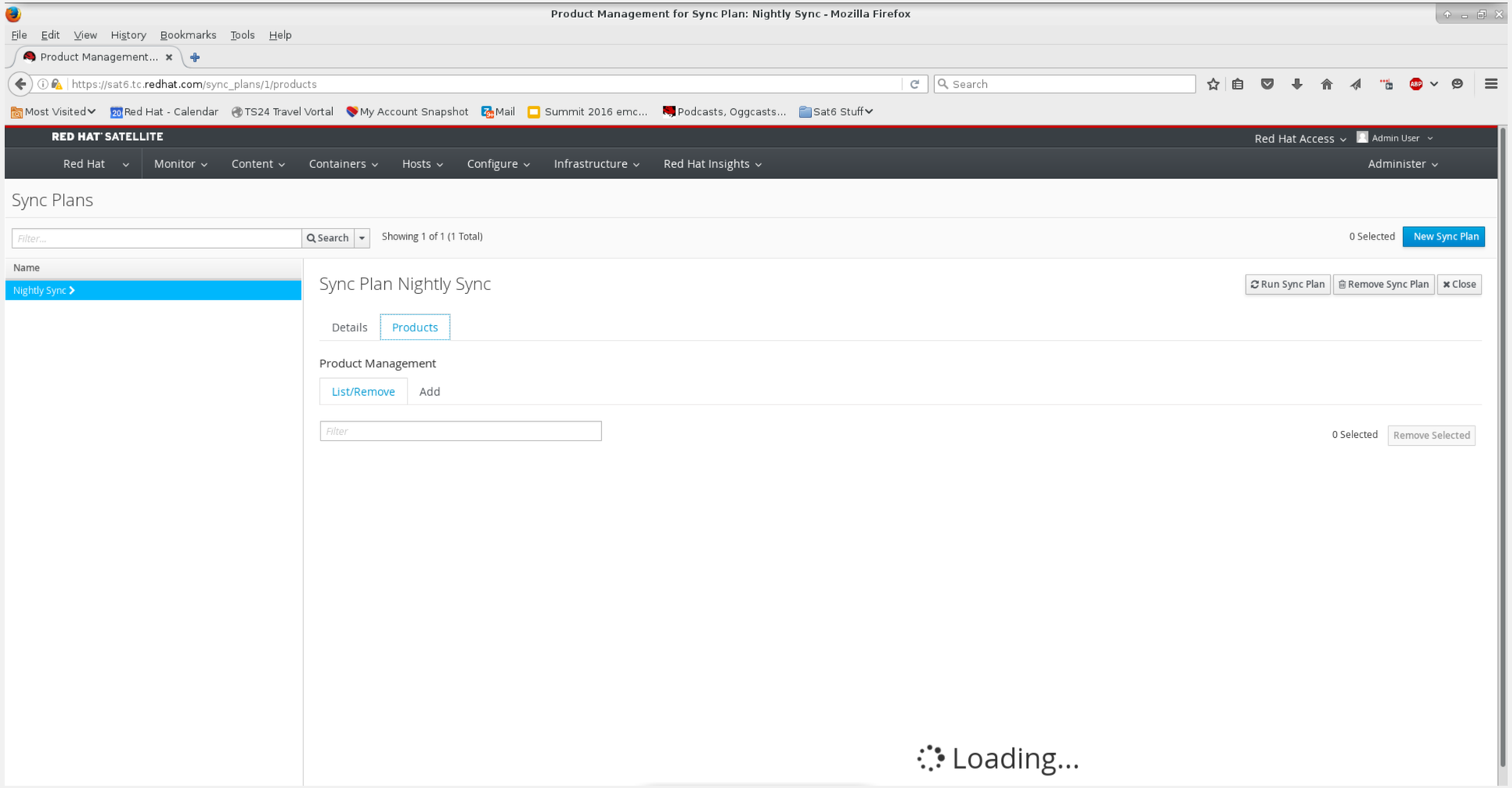
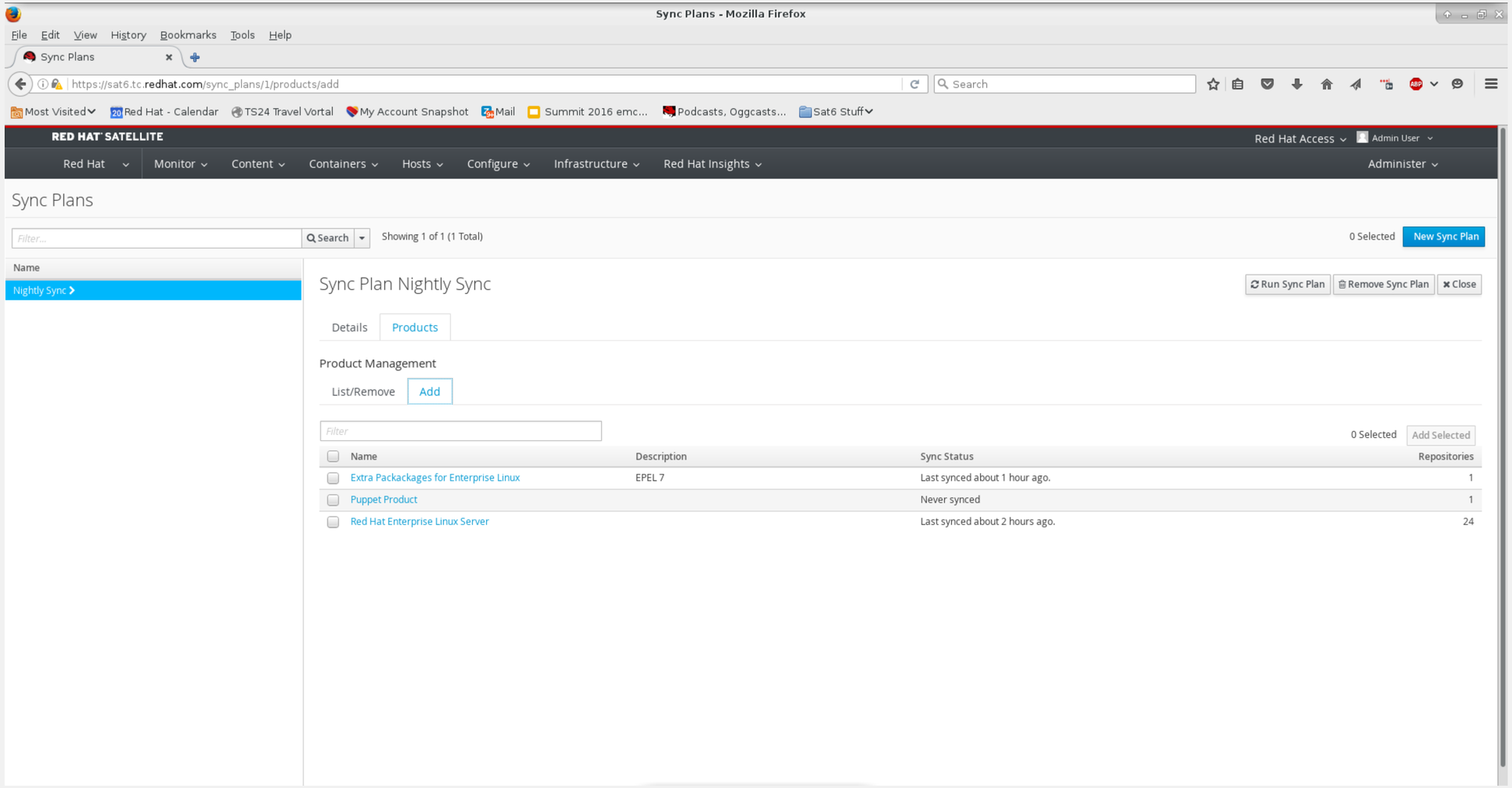
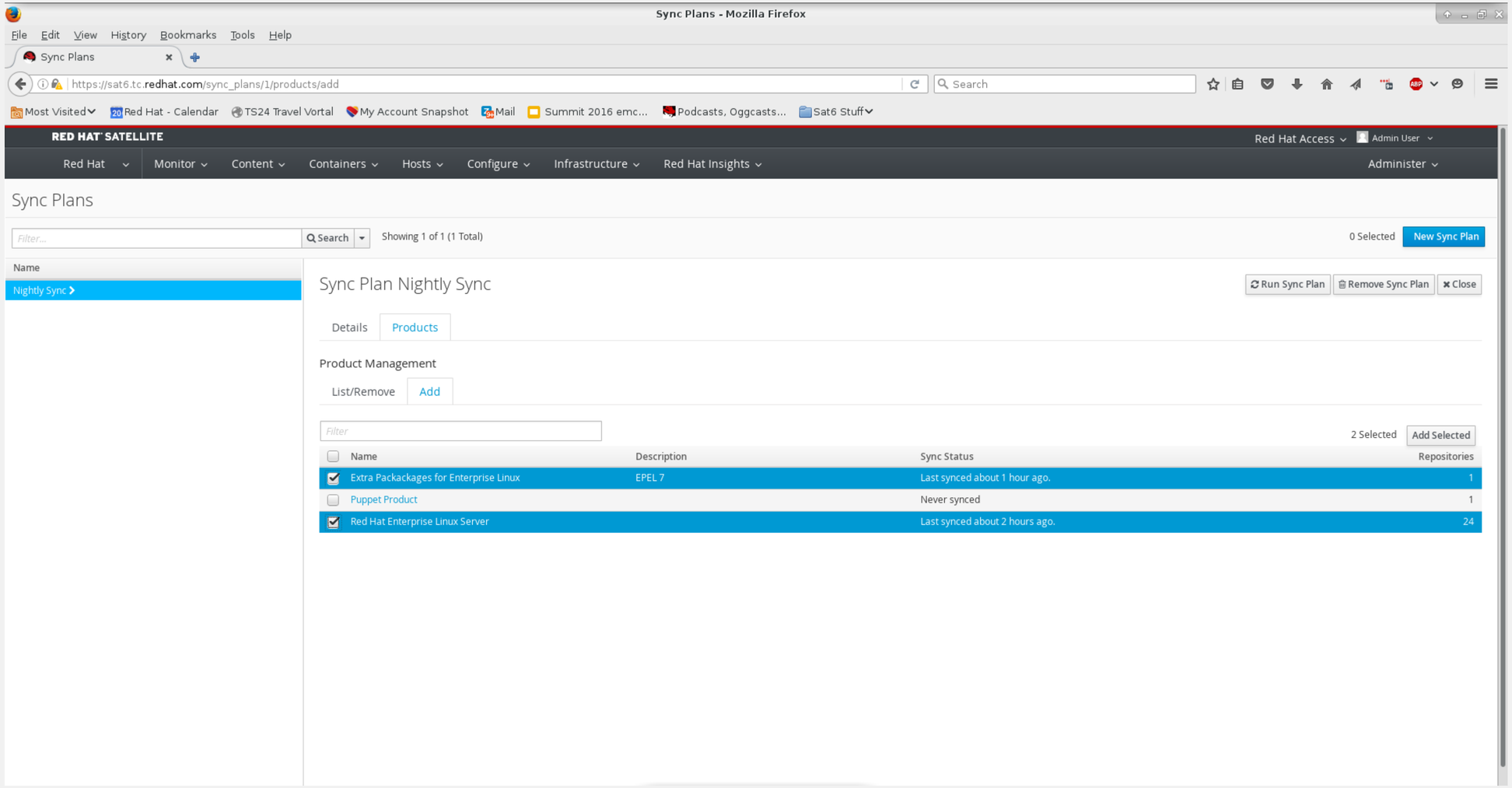
# Add Products



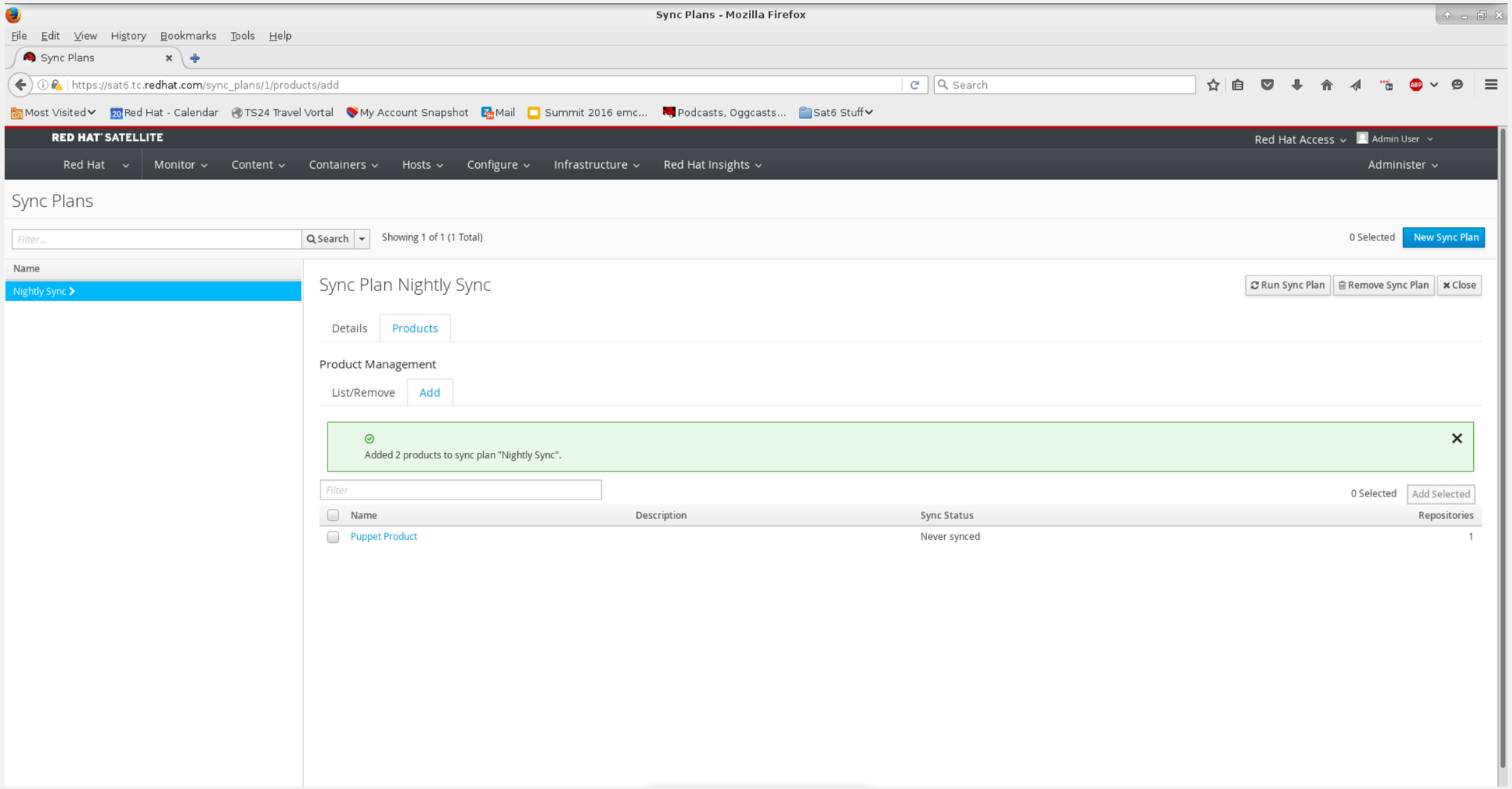
# Add Products



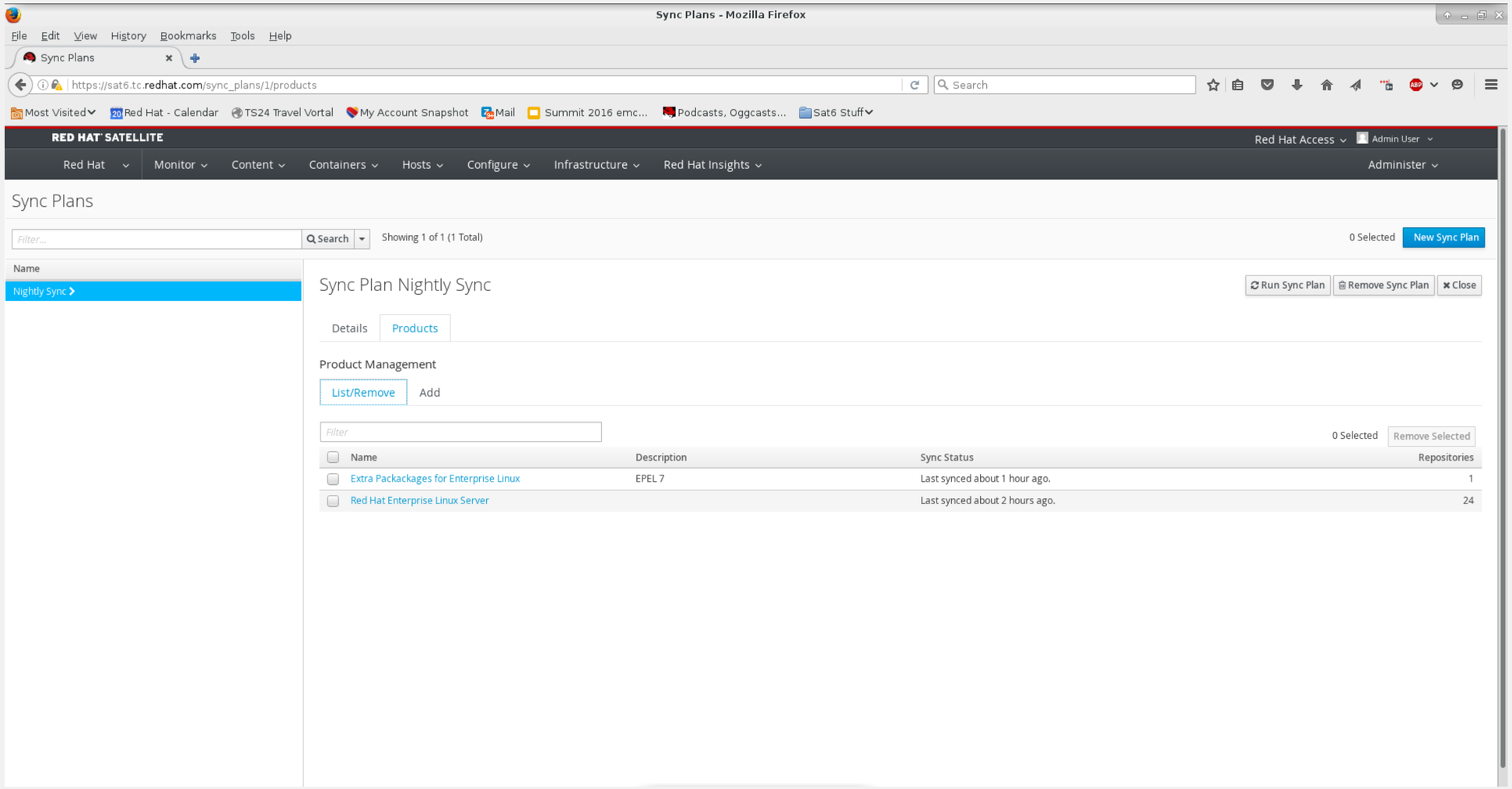
# Add Products with yum repos



# Add Products



# Add Products



# Locations



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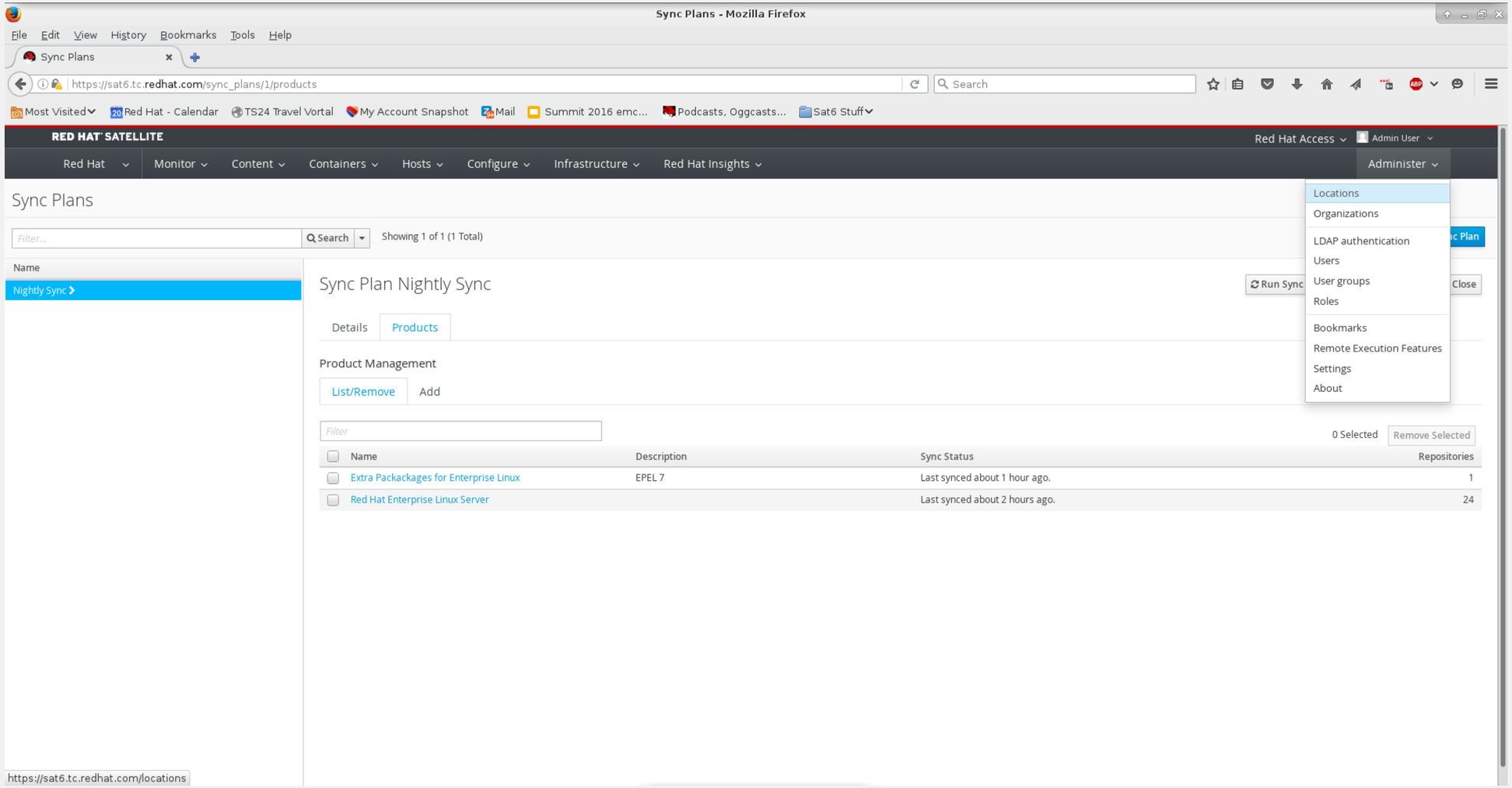
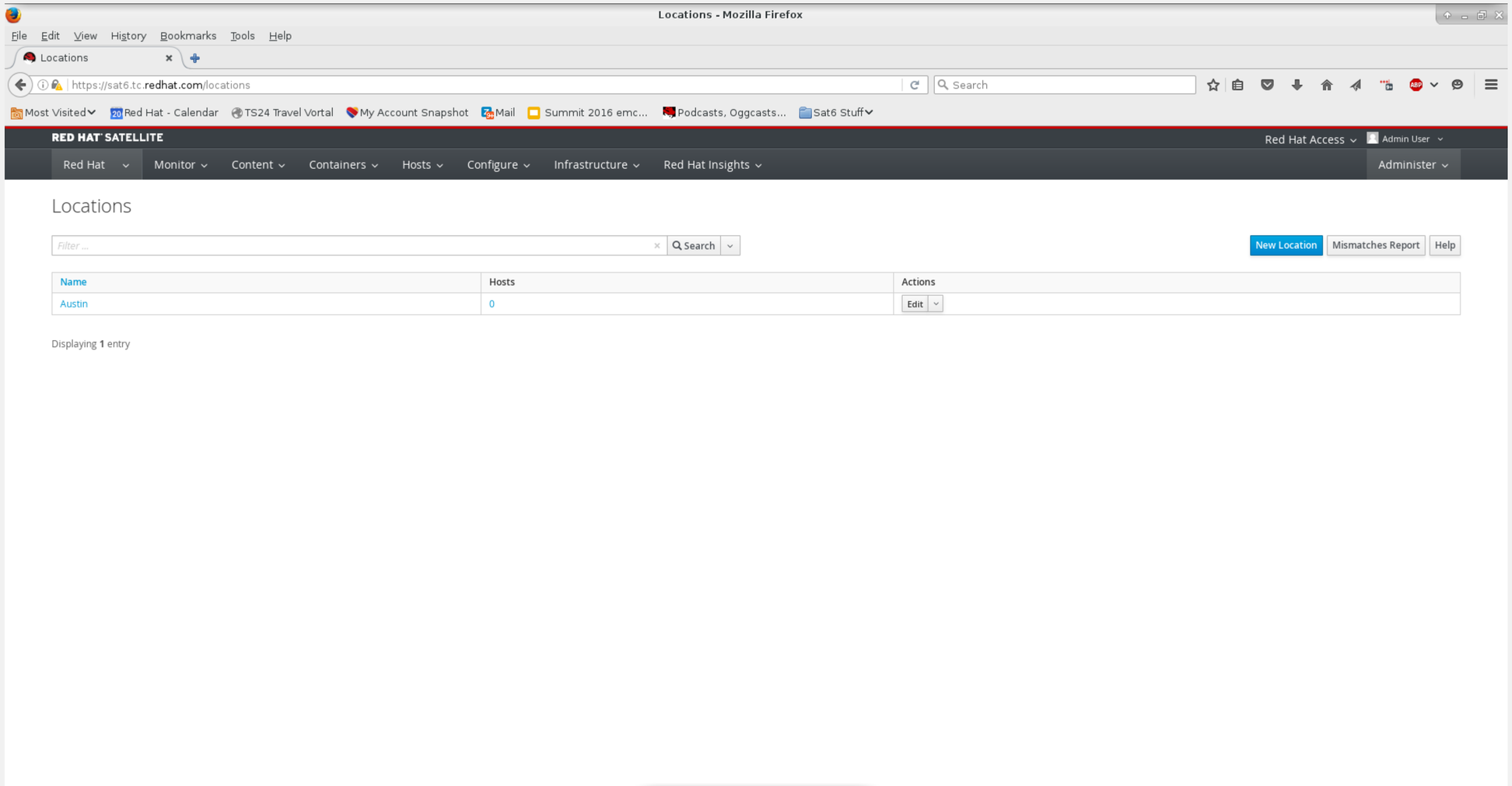
# What are locations?

- “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.”
  - https://access.redhat.com/documentation/en/red-hat-satellite/6.2-beta/server-administration-guide/42-locations

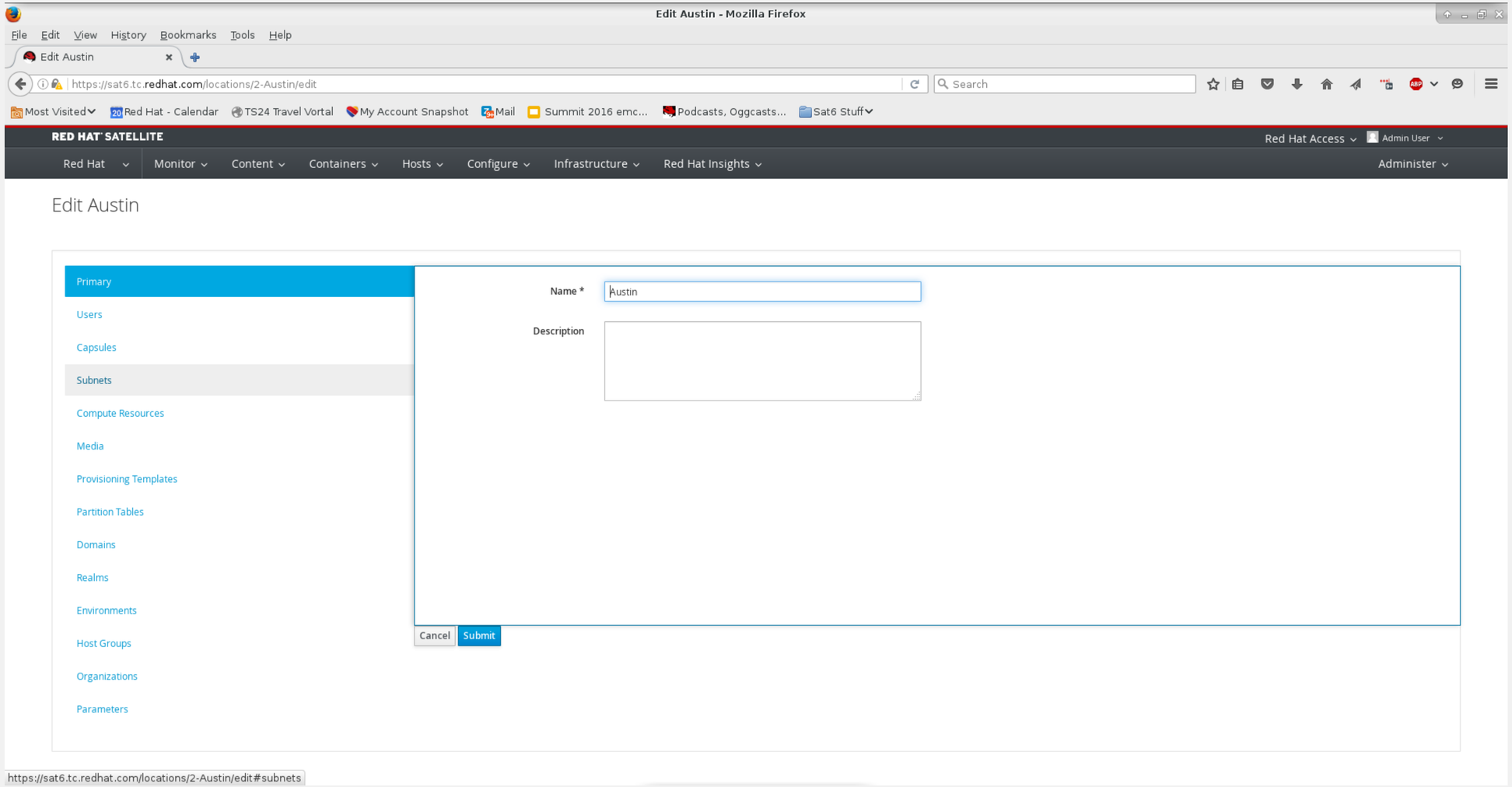
# Navigate to Administer/Locations



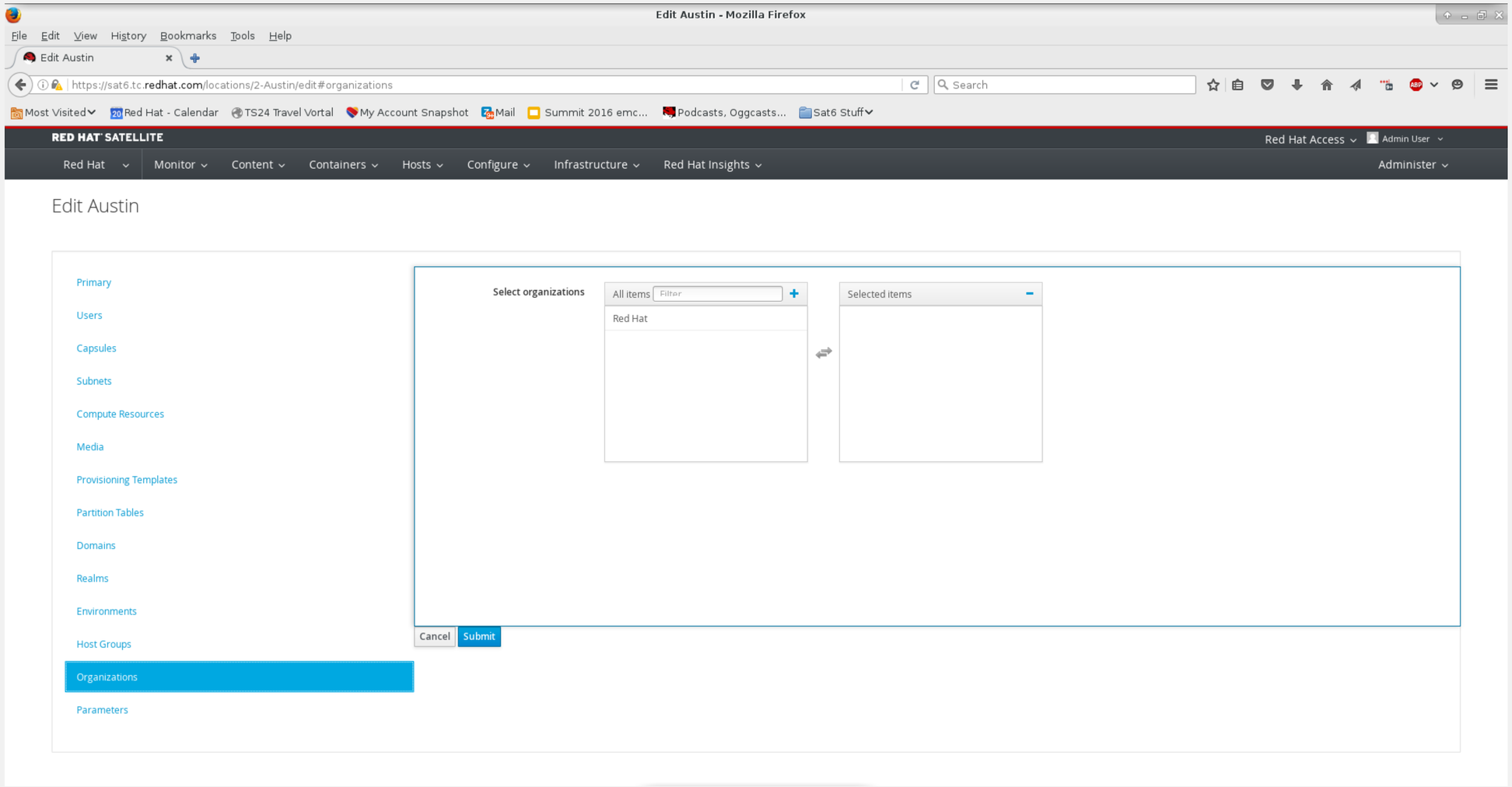
# The default location



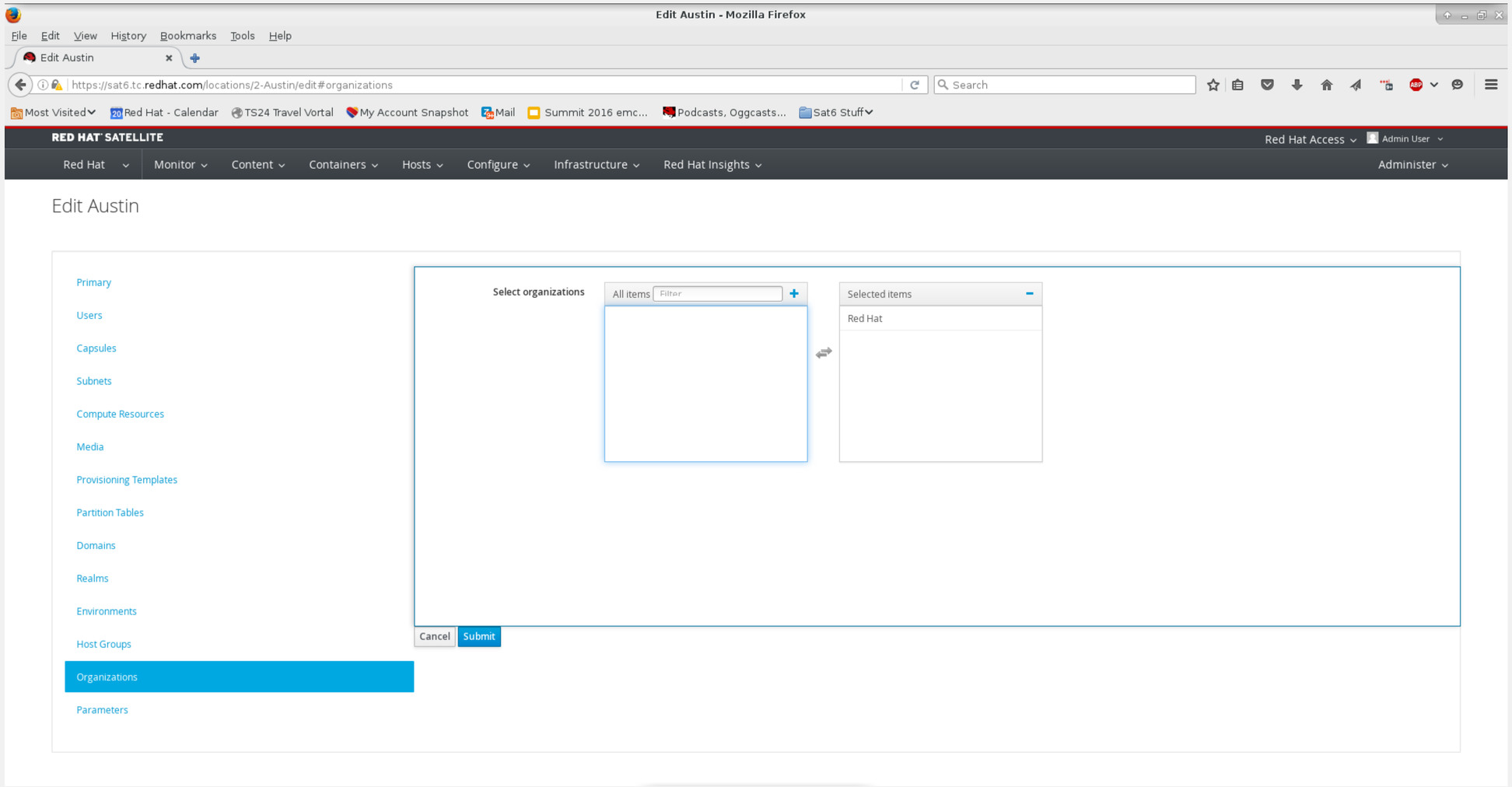
# Location settings



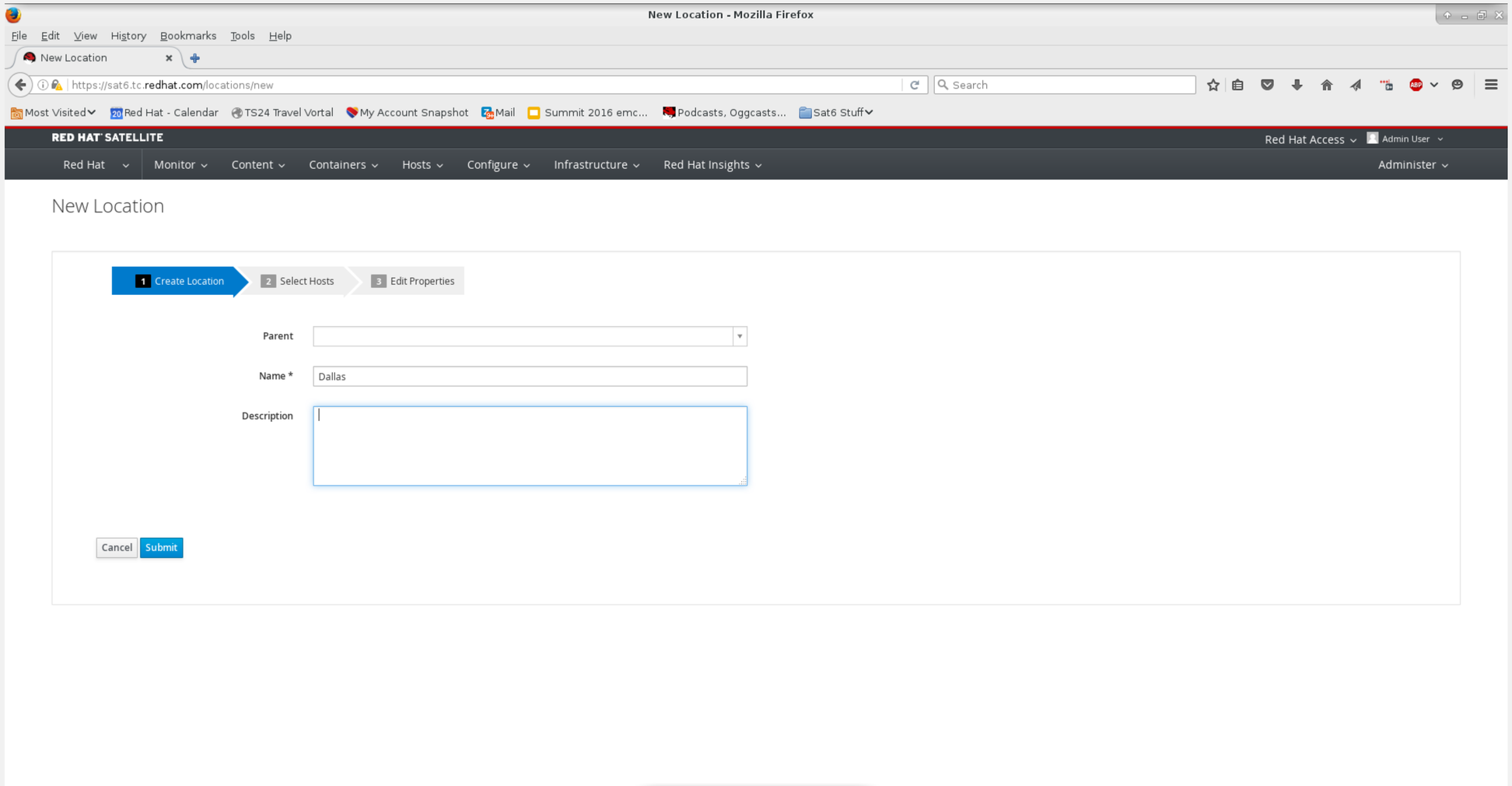
# Add the location to the organization



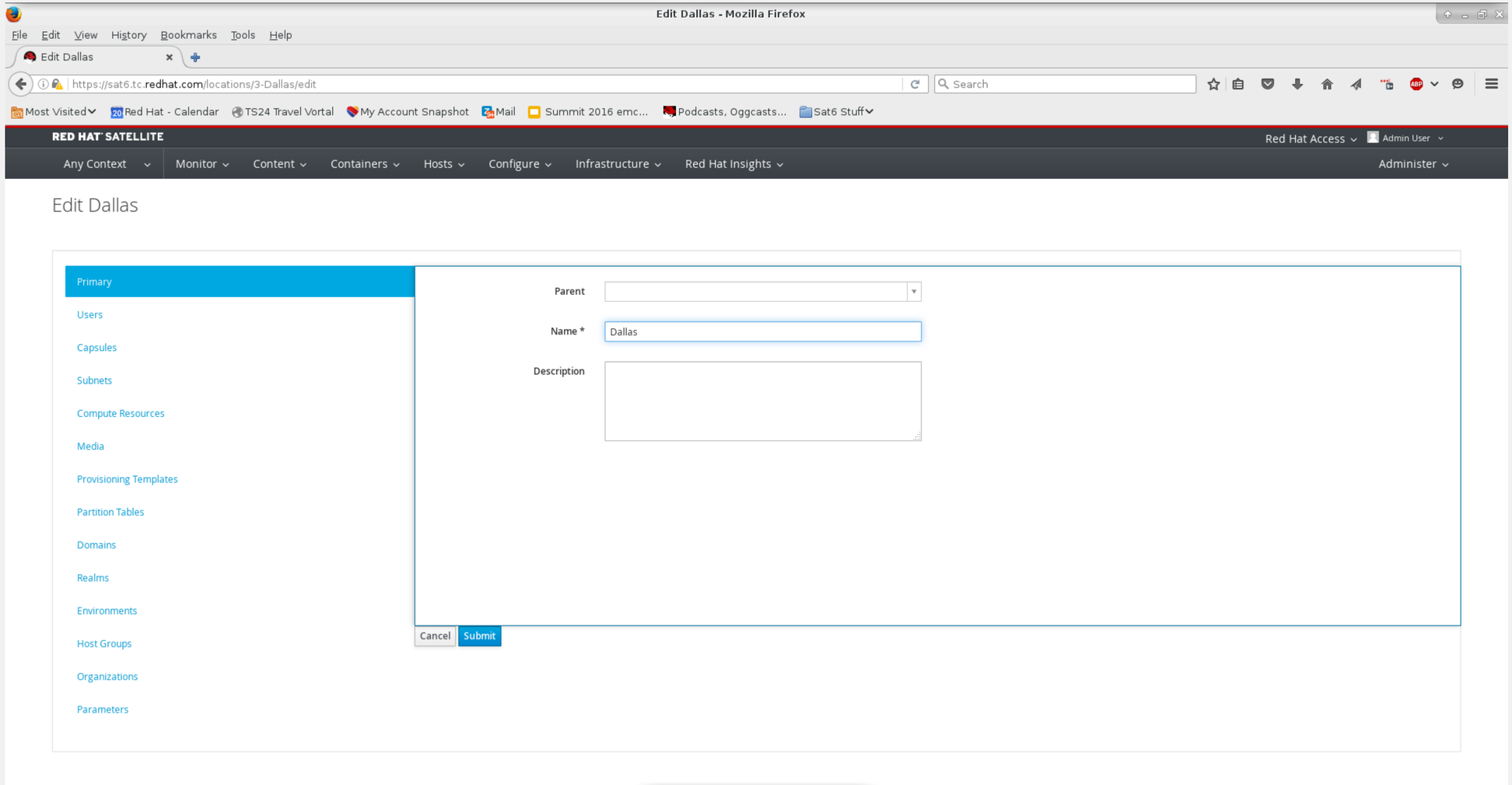
# Add the location to the organization



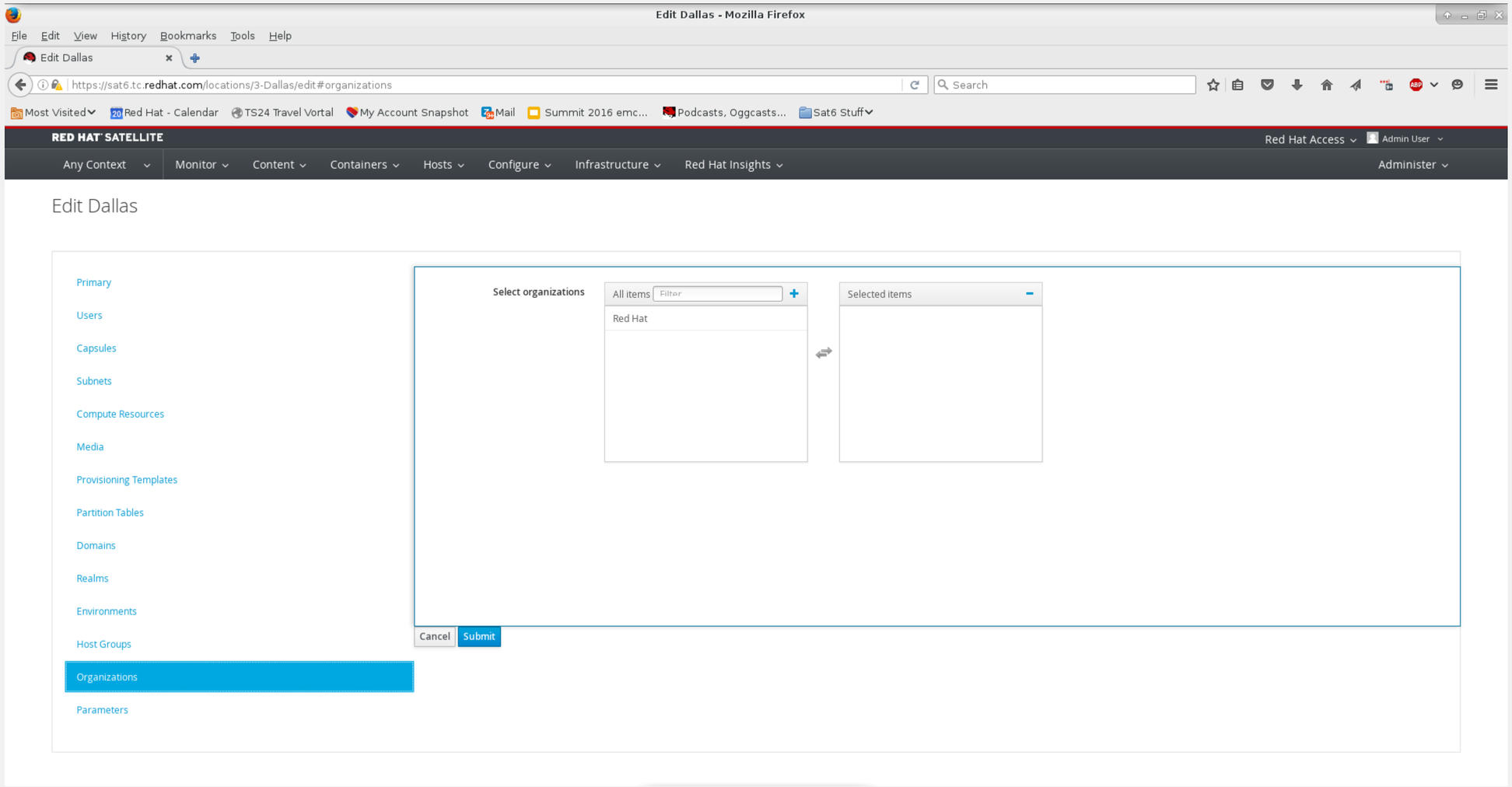
# Add locations



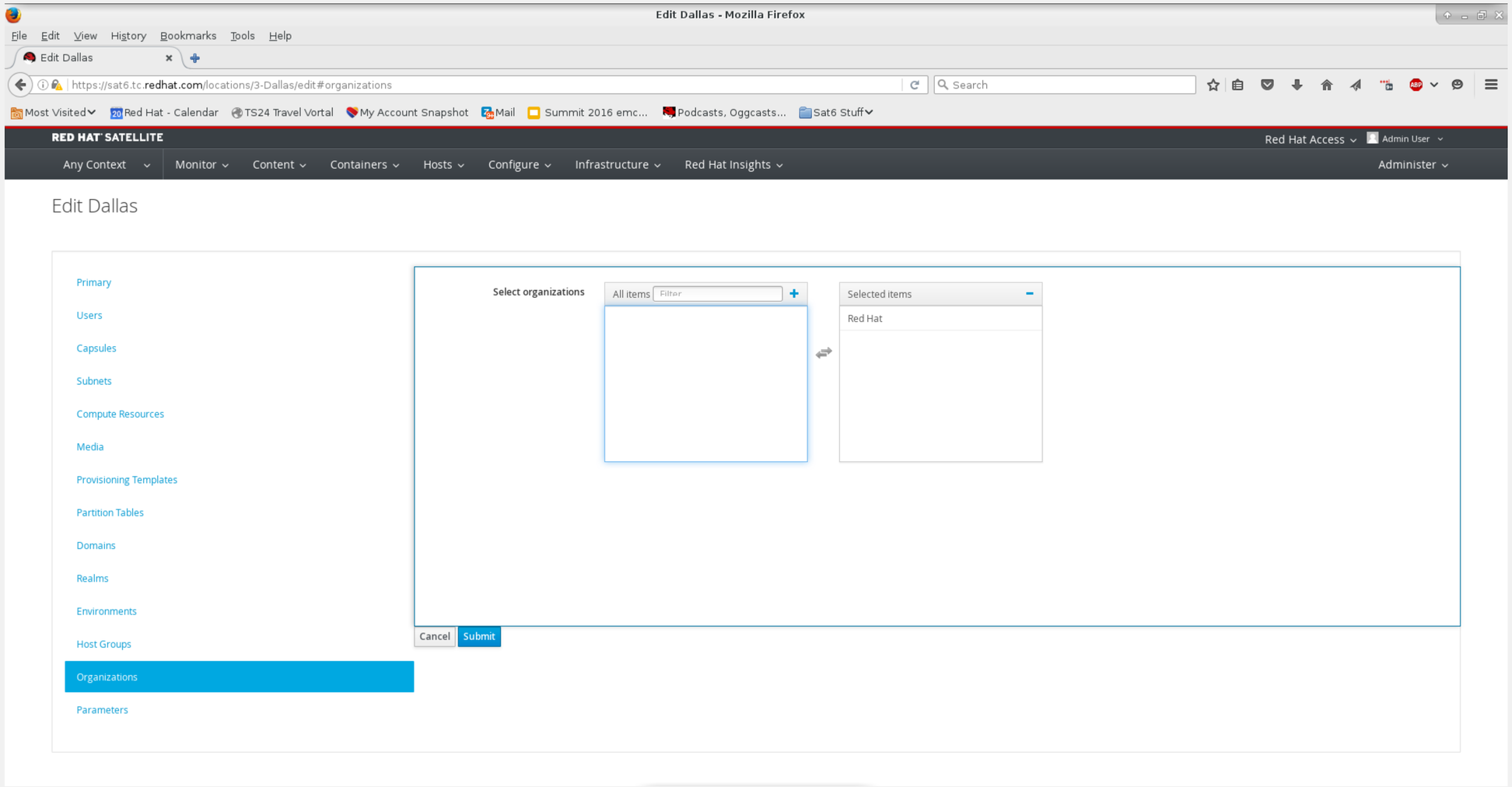
# Add locations



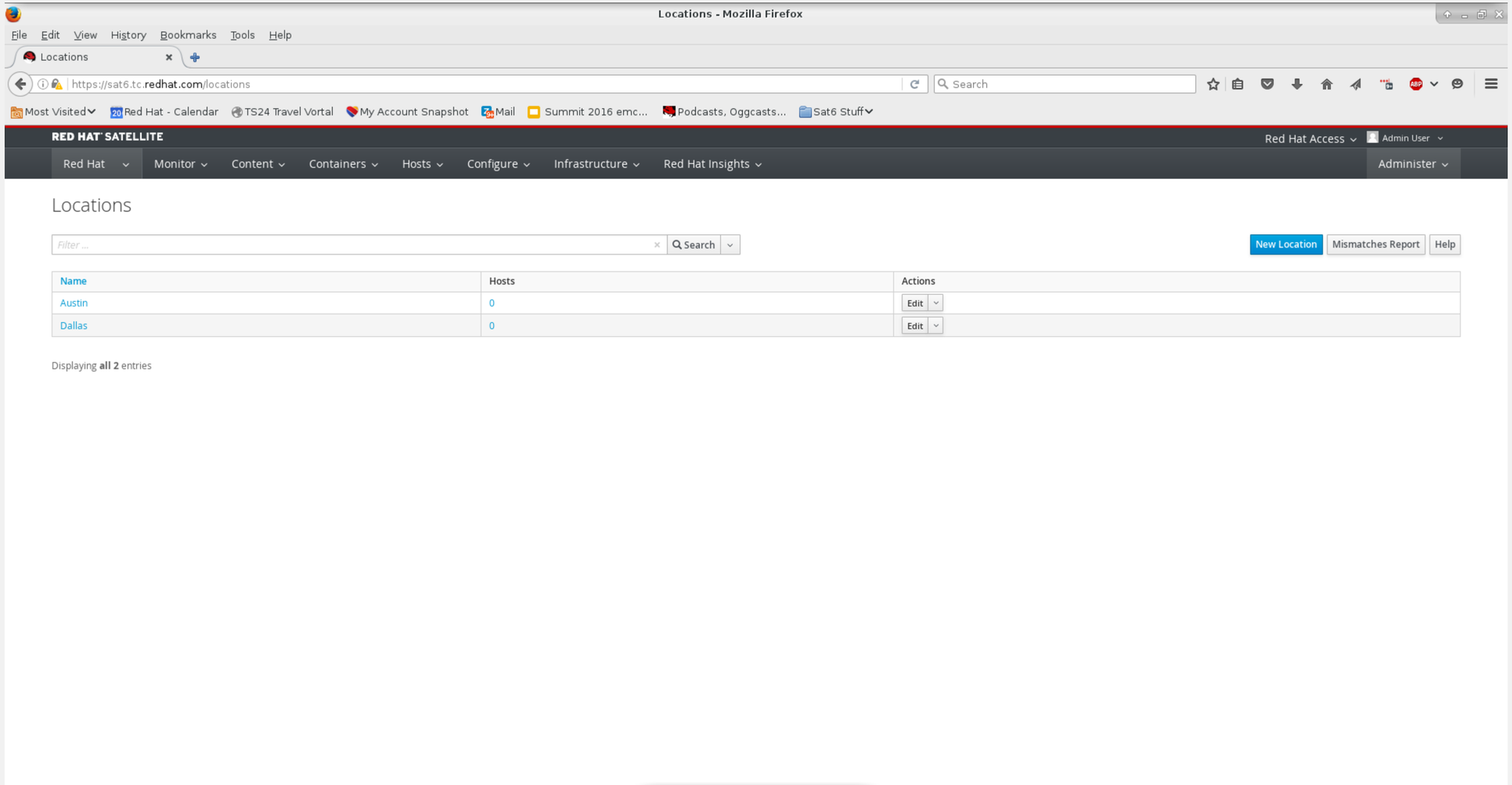
# Add locations



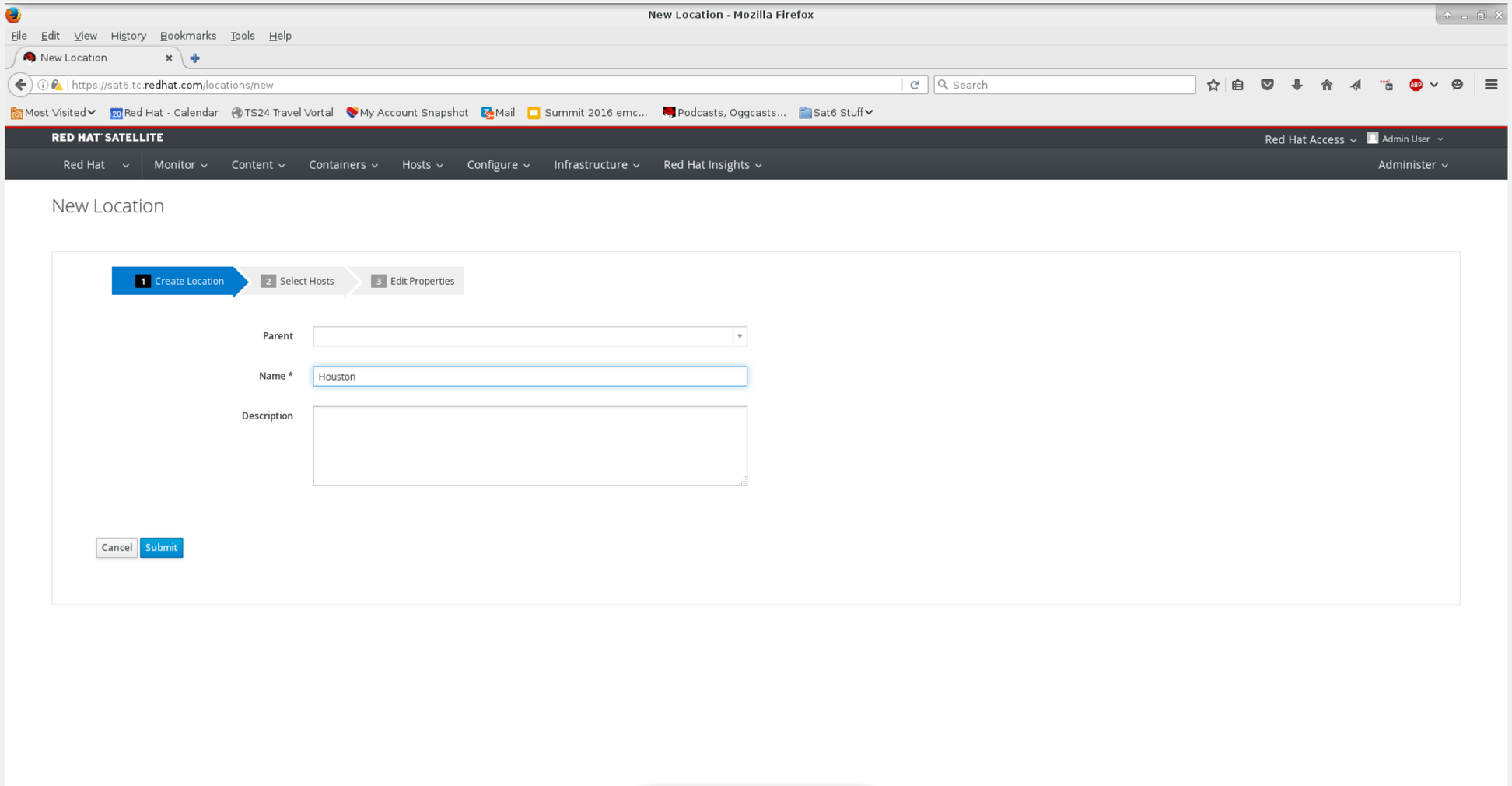
# Add locations



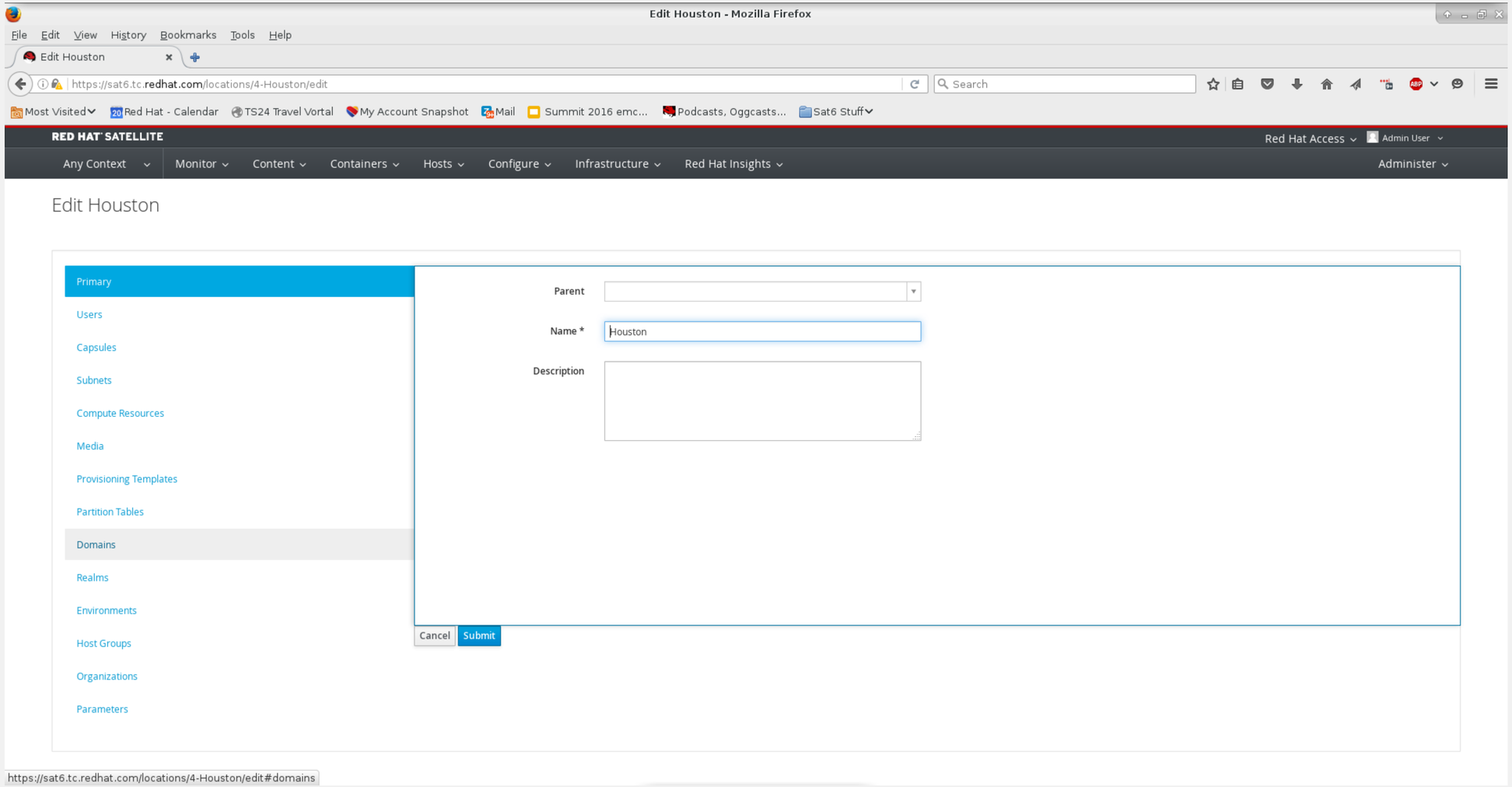
# Add locations



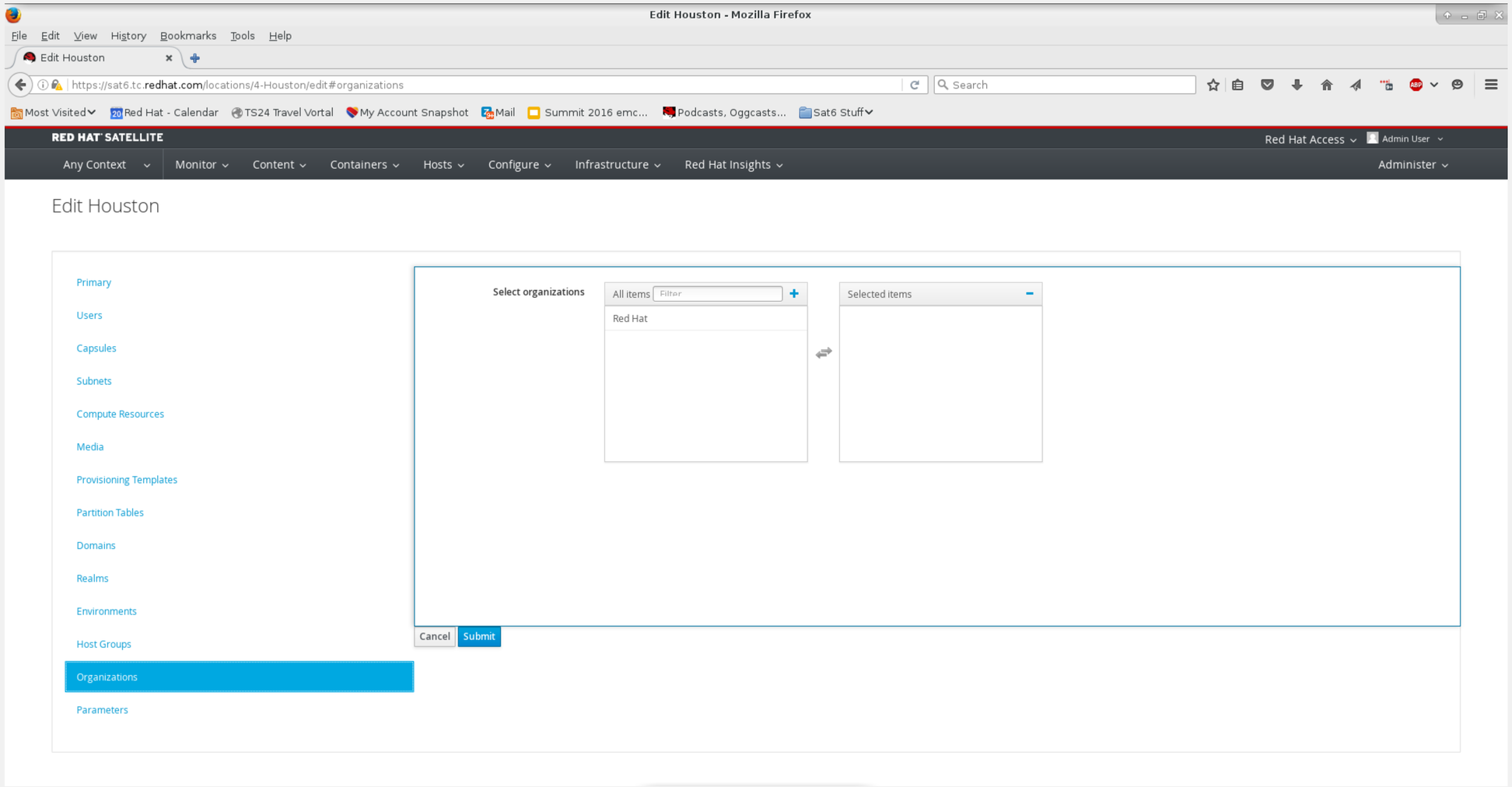
# Add locations



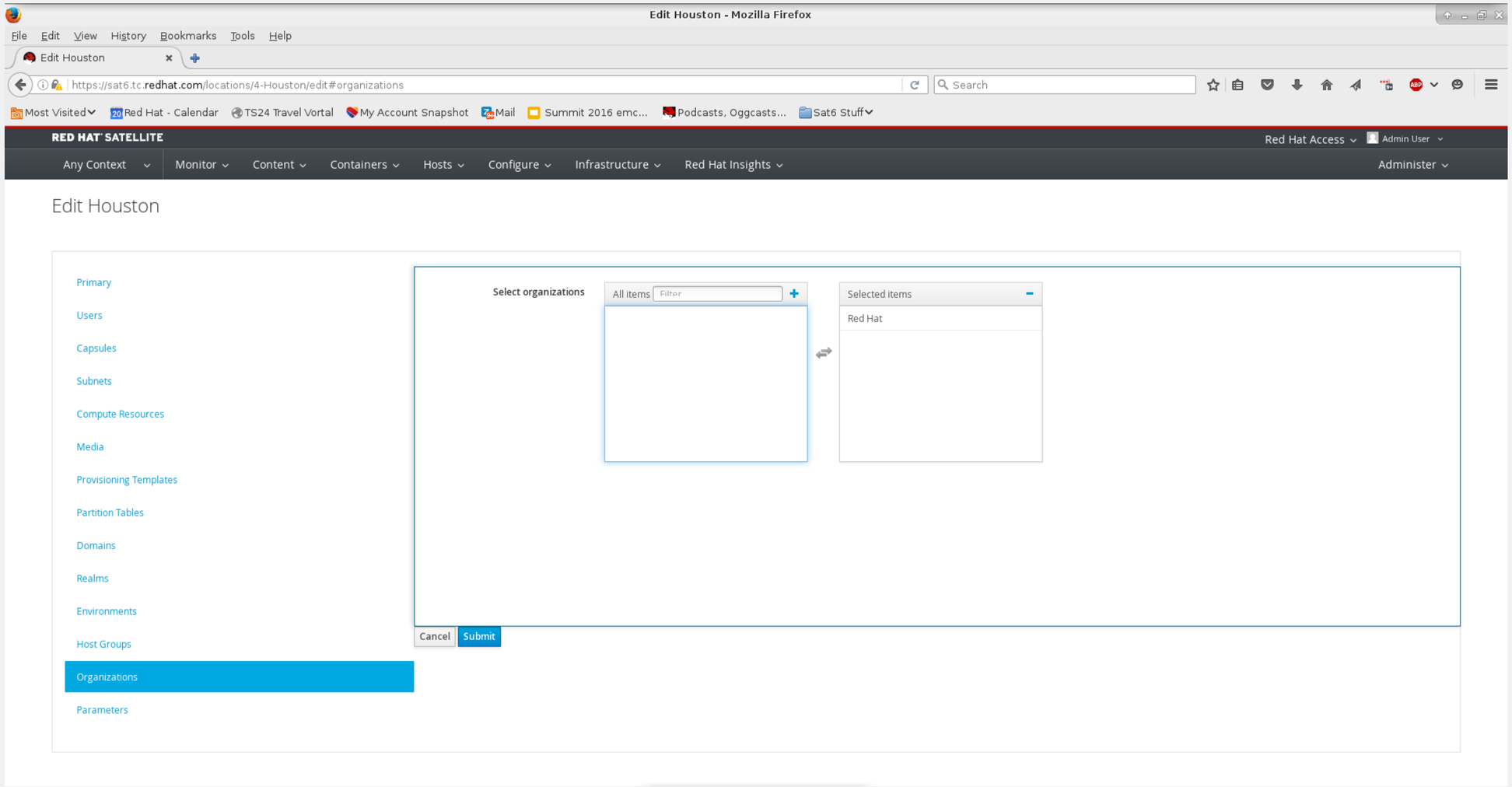
# Add locations



# Add locations



# Add locations



# Lifecycle Environments



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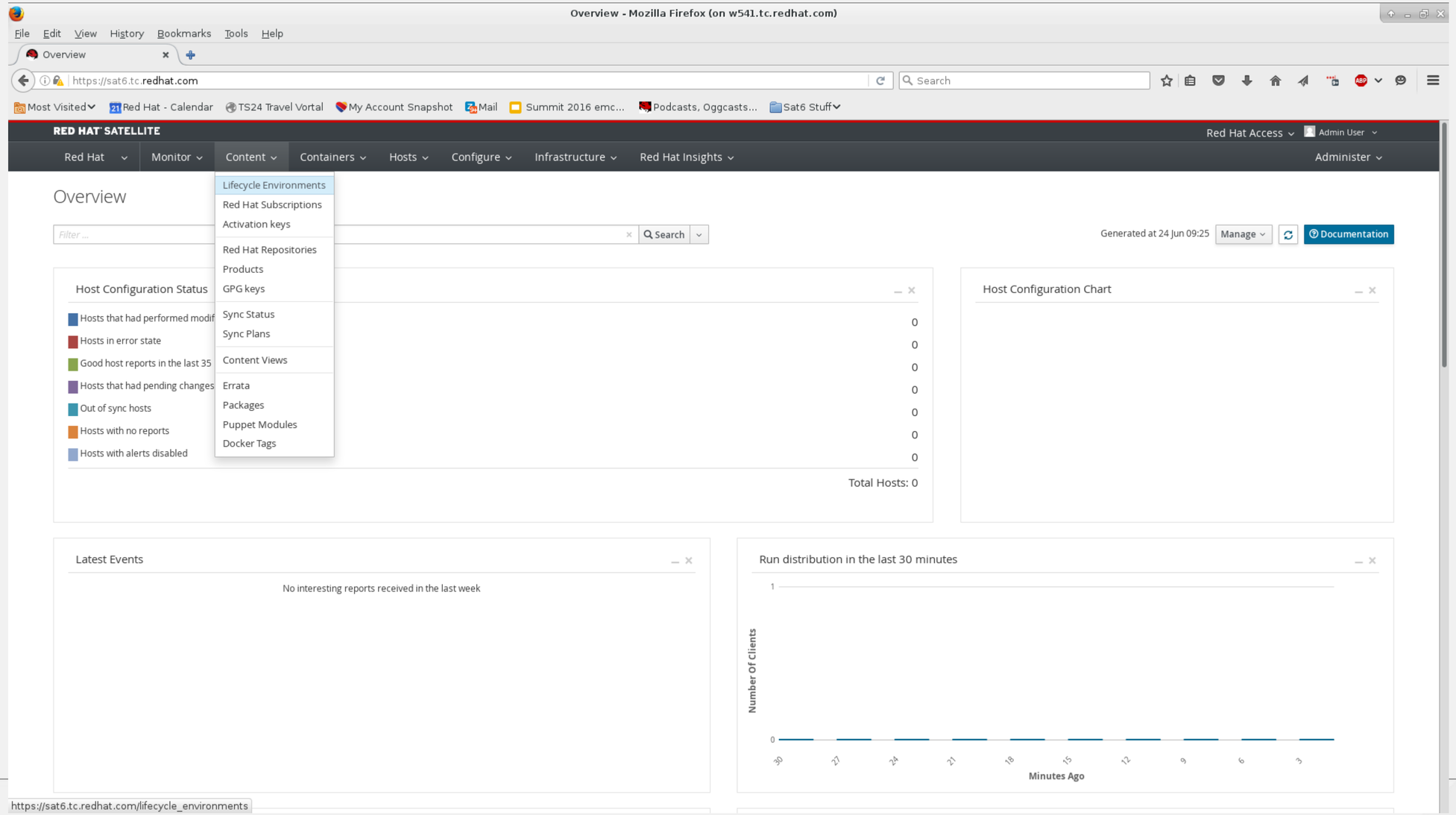
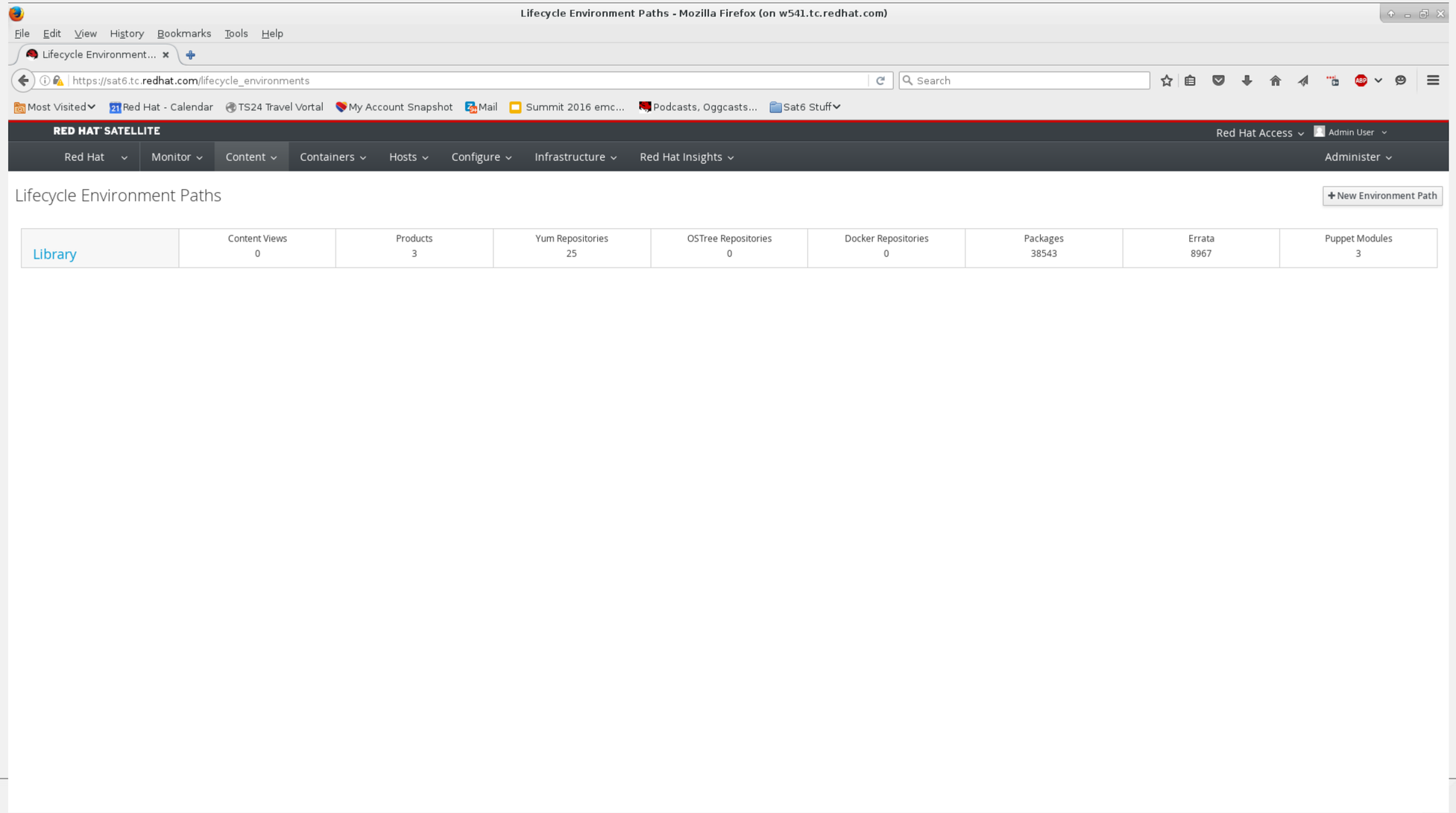
# What are lifecycle environments?

- “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.”
  - https://access.redhat.com/documentation/en/red-hat-satellite/6.2-beta/server-administration-guide/43-life-cycle-environments

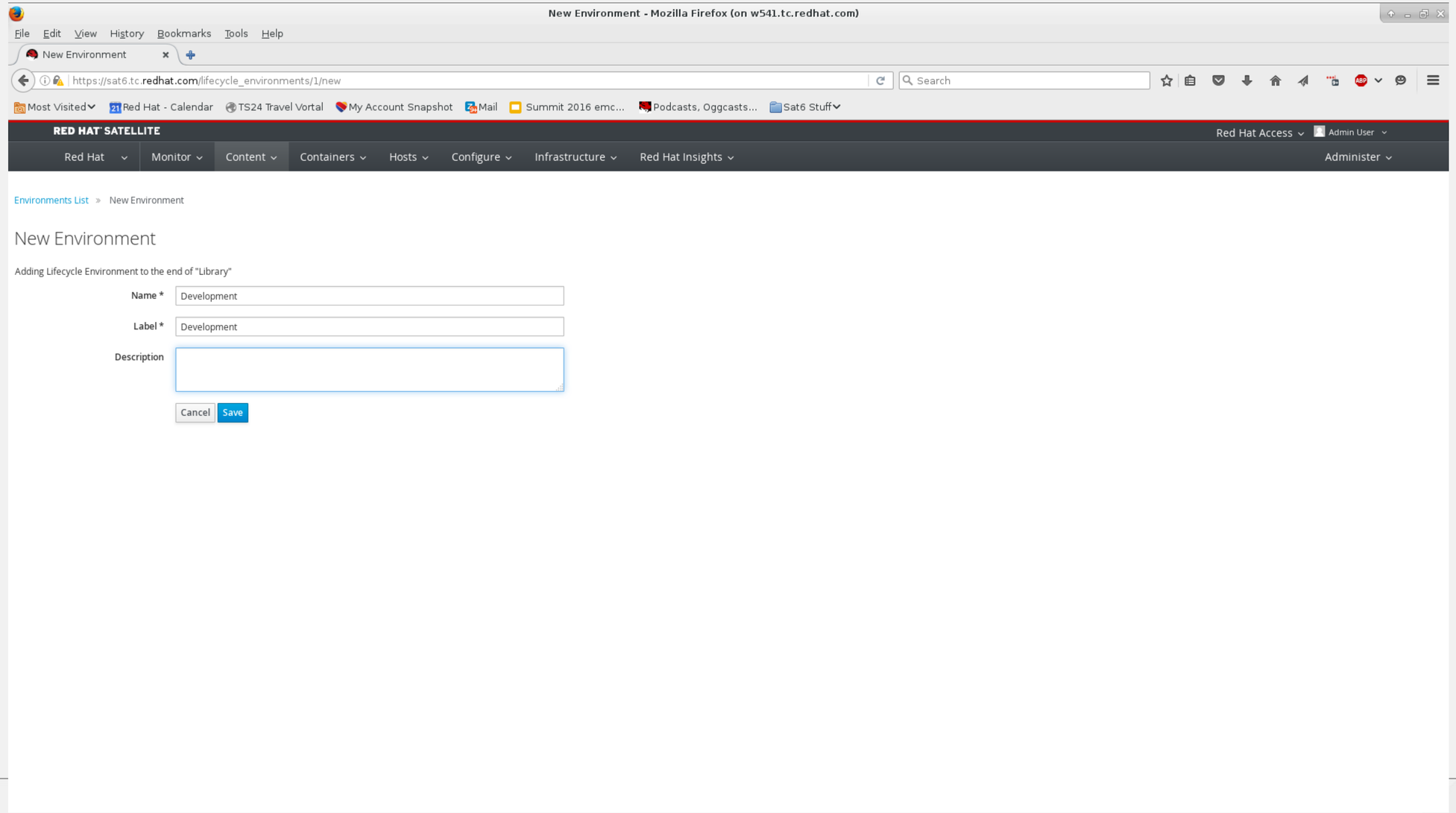
# Navigate to Content/Lifecycle Environments



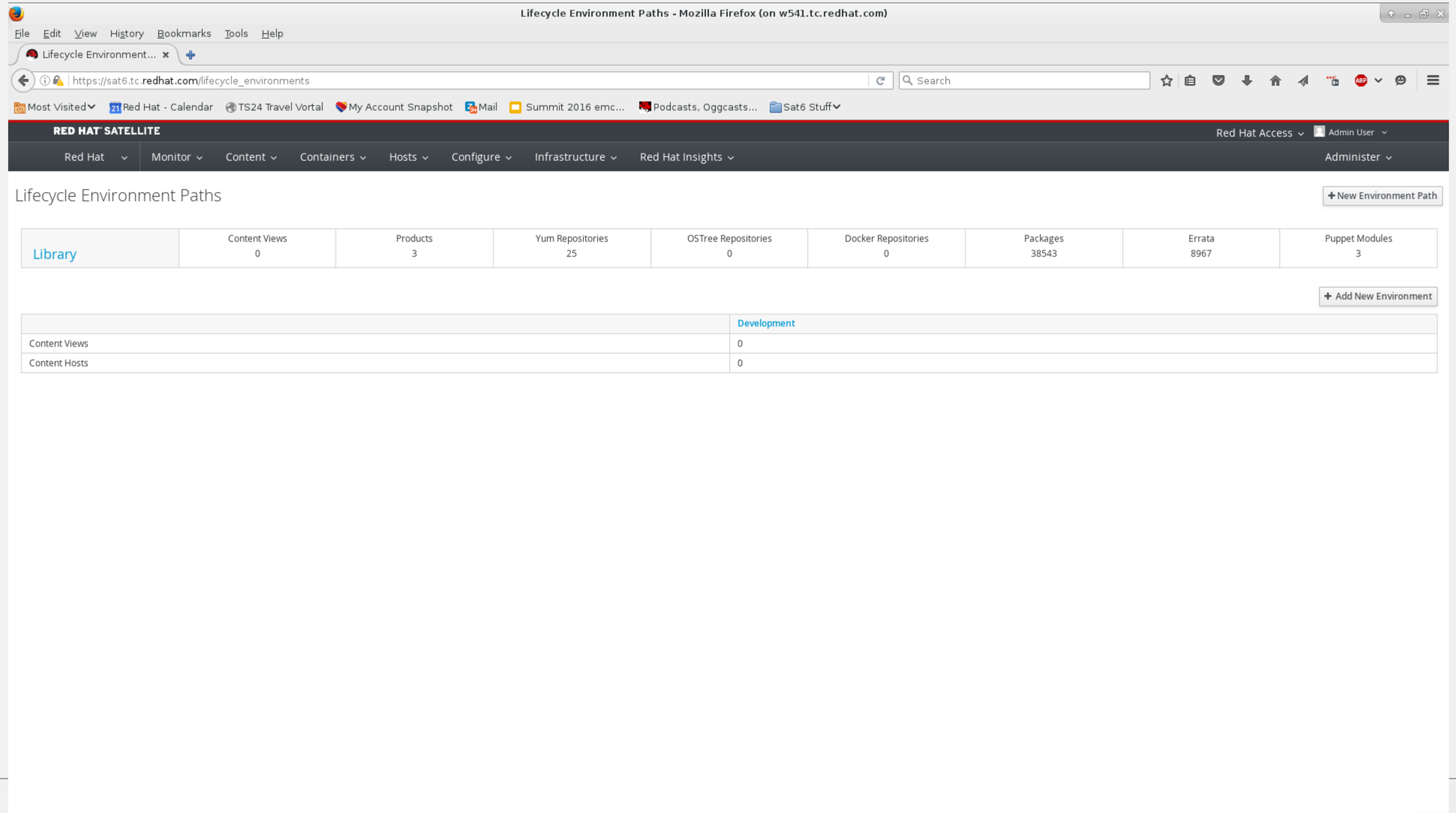
# The Library


Lifecycle Environment Paths - Mozilla Firefox (on w541.tc.redhat.com)
File Edit View History Bookmarks Tools Help
Lifecycle Environment...
https://sat6.tc.redhat.com/lifecycle_environments
Search
Most Visited
Red Hat - Calendar
TS24 Travel Vortal
My Account Snapshot
Mail
Summit 2016 emc...
Podcasts, Oggcasts...
Sat6 Stuff
RED HAT SATELLITE
Red Hat Access
Admin User
Red Hat
Monitor
Content
Containers
Hosts
Configure
Infrastructure
Red Hat Insights
Administer
Lifecycle Environment Paths
+ New Environment Path
Library
Content Views 0
Products 3
Yum Repositories 25
OSTree Repositories 0
Docker Repositories 0
Packages 38543
Errata 8967
Puppet Modules 3

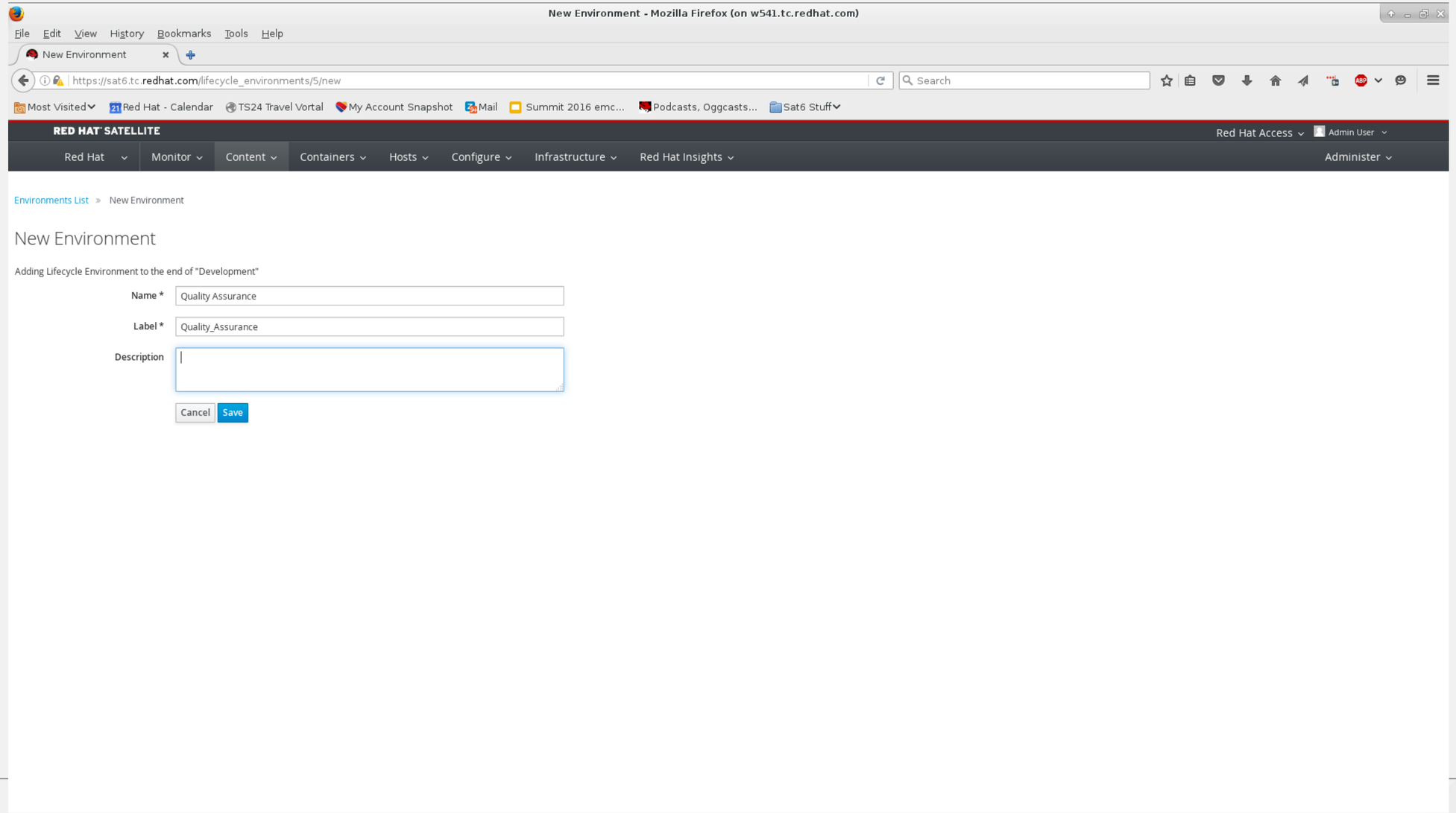
# Add a lifecycle environment for, e.g. Development



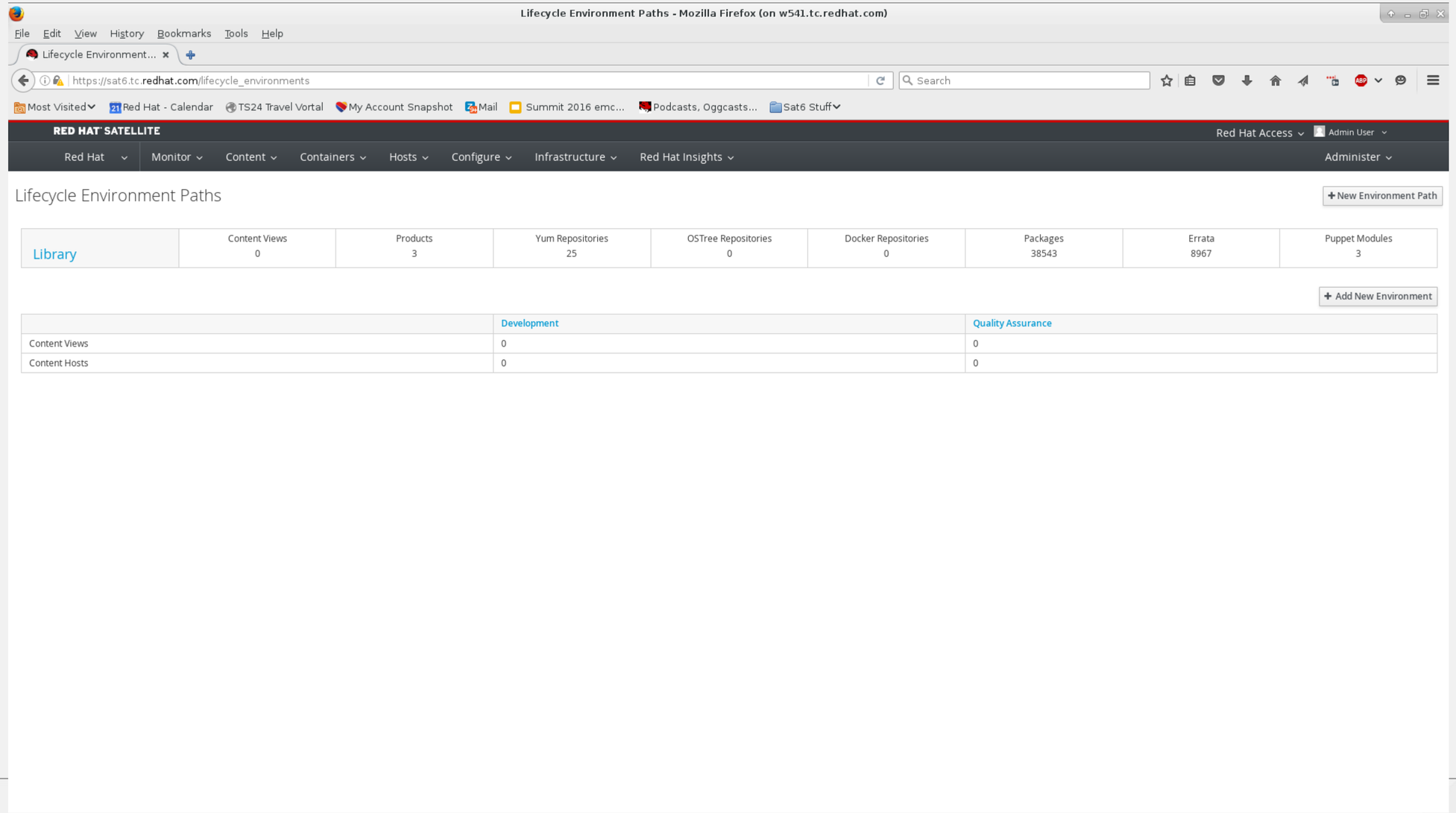
# Add a lifecycle environment for, e.g. Development



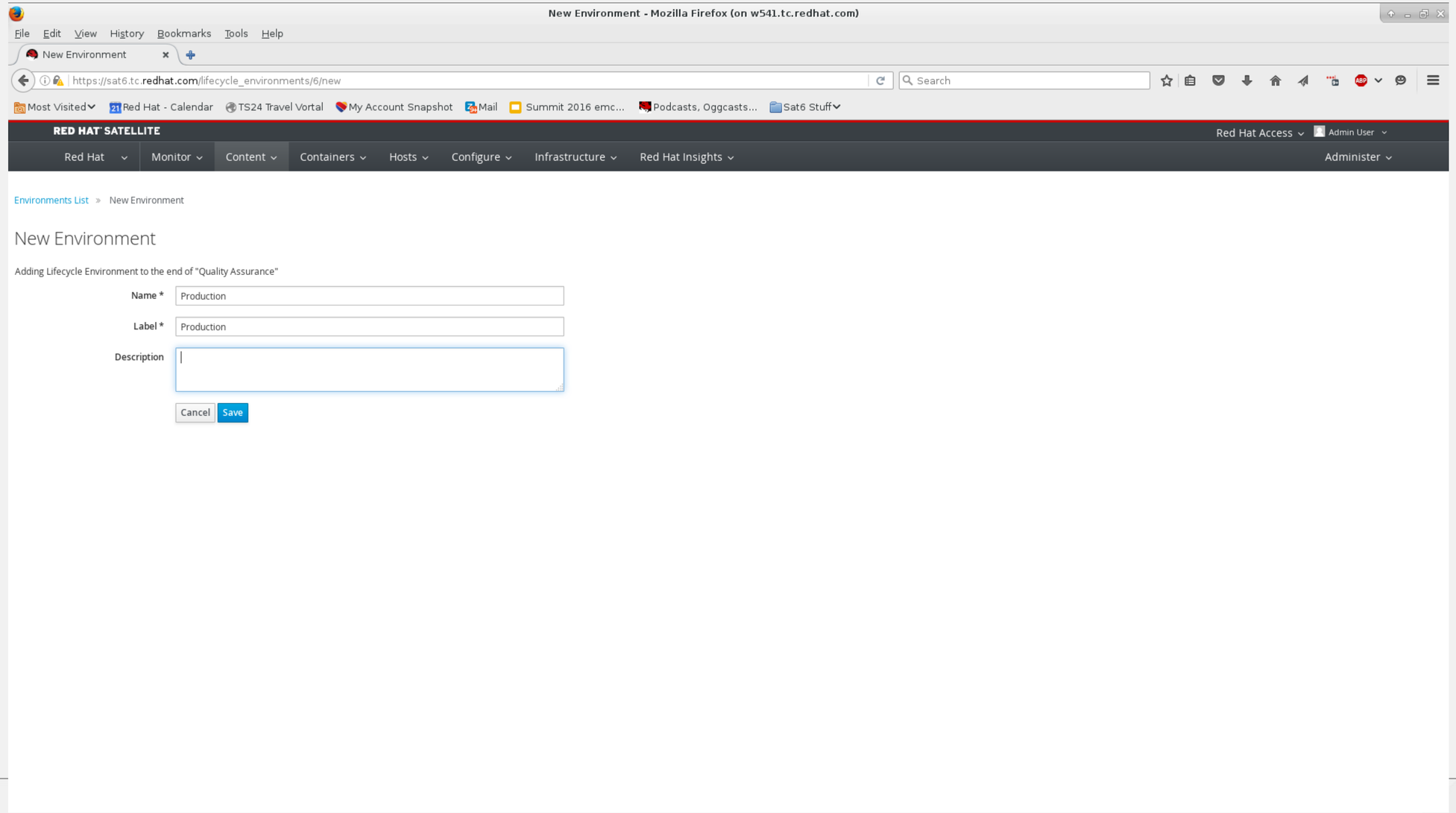
# Now add one for, say, QA



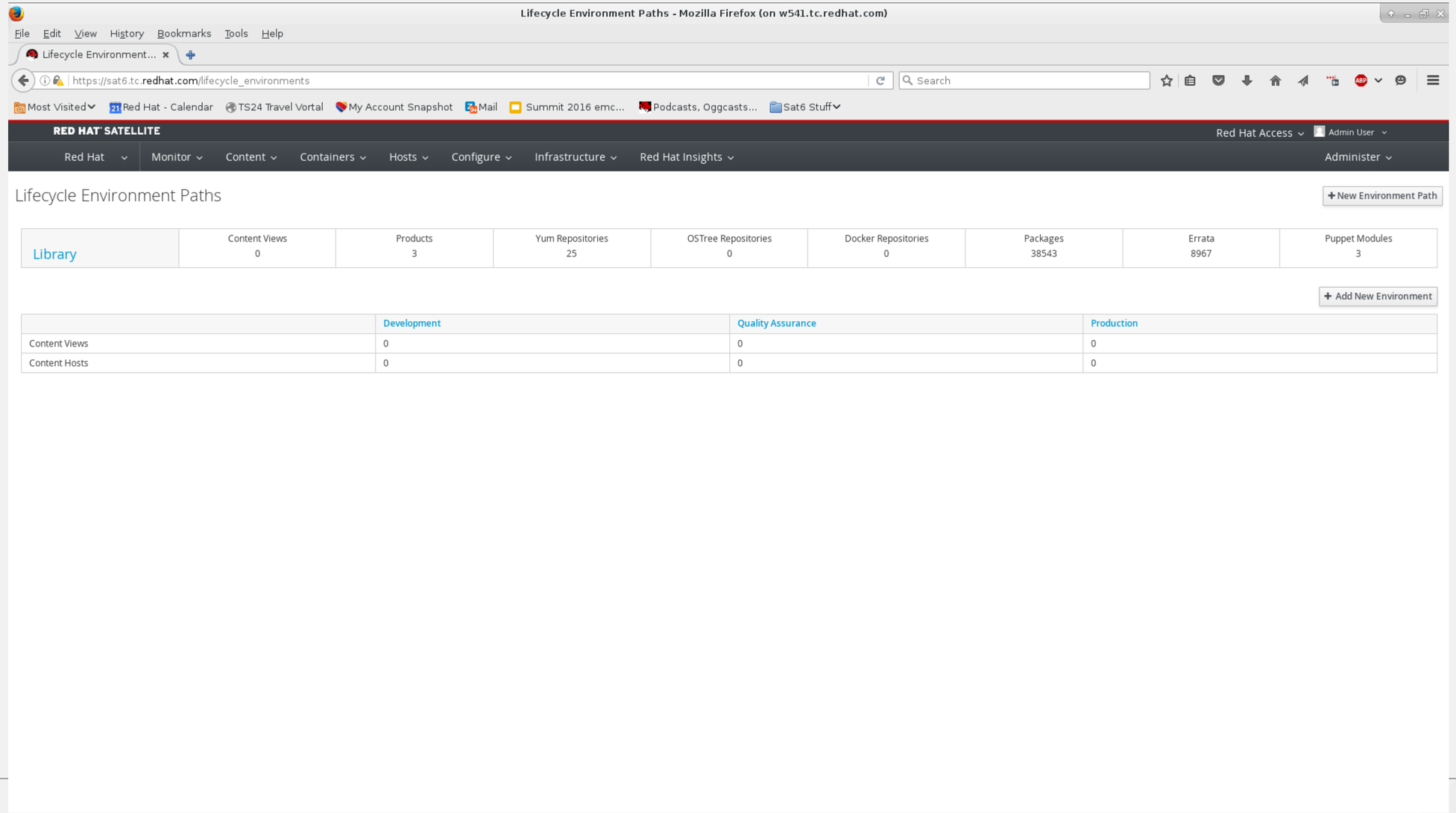
# Note that they're hierarchical



# Now add for for, e.g. Production



# Final lifecycle environments



# Content Views



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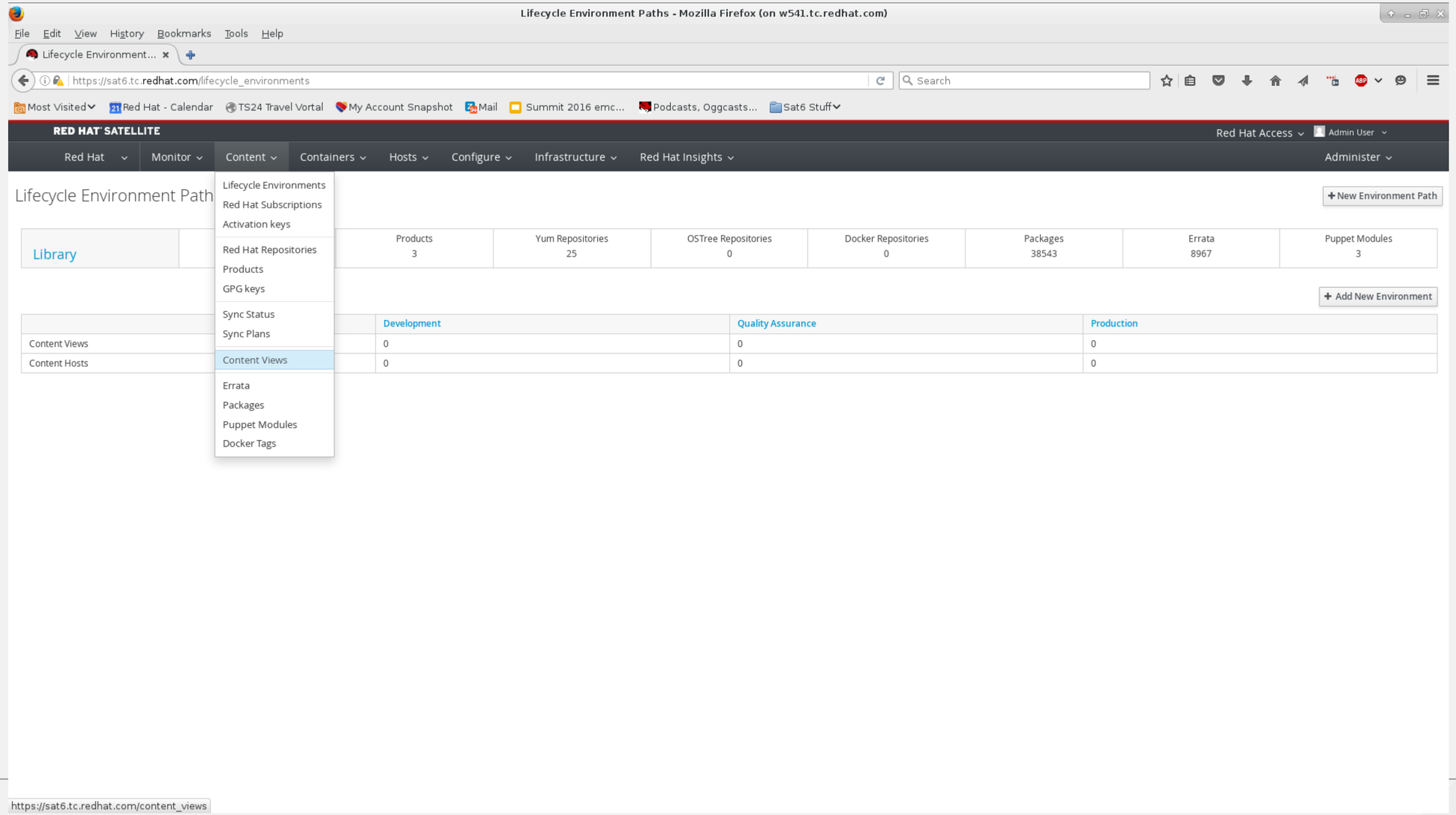
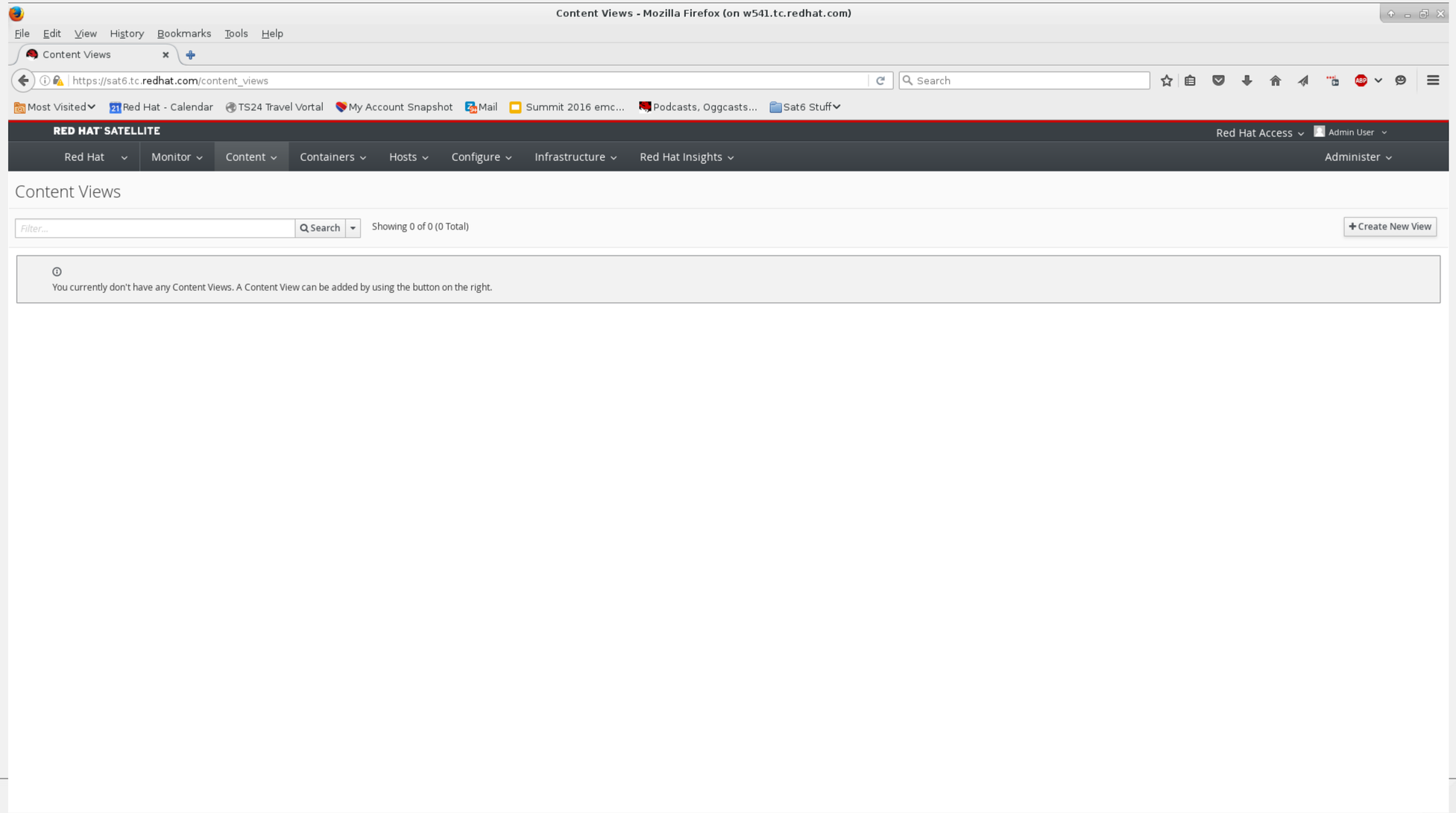
# What are content views?

- “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.”
  - https://access.redhat.com/documentation/en/red-hat-satellite/6.2-beta/content-management-guide/chapter-7-creating-content-views

# Navigate to Content/Content Views



# Create a new view



# First view is base RHEL

New Content View - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

New Content View | Content Views

https://sat6.tc.redhat.com/content_views/new

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

## Content Views

Filter... | Search | Showing 0 of 0 (0 Total) | 0 Selected | + Create New View

You currently don't have any Content Views. A Content View can be added by using the button on the right.

## New Content View

× Close

### View Details

Name * RHEL 7 Server CV

Label * RHEL_7_Server_CV

Description RHEL 7 Server base content view

Composite View? ☐

A composite view contains other content views.

Cancel | Save



redhat.

# Add the repositories you want

Repositories for Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Repositories for Cont... | Content Views

https://sat6.tc.redhat.com/content_views/6/repositories/yum/available

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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## Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

## RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

### Repository Selection

List/Remove | Add

All Products | Filter | + Add Repositories

| Name | Product | Last Sync | Sync State | Content |
|---|---|---|---|---|
| Red Hat Storage Native Client for RHEL 7 RPMs x86_64 7Server | Red Hat Enterprise Linux Server | 2016-06-24 02:01:24 -0700 | Success | 40 Packages<br>4 Errata |
| Red Hat Storage Native Client for RHEL 7 RPMs x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:15 -0700 | Success | 40 Packages<br>4 Errata |
| Red Hat Storage Native Client for RHEL 7 RPMs x86_64 7.1 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:35 -0700 | Success | 20 Packages<br>2 Errata |
| Red Hat Satellite Tools 6.1 for RHEL 7 Server RPMs x86_64 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:35 -0700 | Success | 83 Packages<br>7 Errata |
| Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7Server | Red Hat Enterprise Linux Server | 2016-06-24 02:01:19 -0700 | Success | 129 Packages<br>20 Errata |
| Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:36 -0700 | Success | 129 Packages<br>20 Errata |
| Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.1 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:24 -0700 | Success | 81 Packages<br>11 Errata |
| Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.0 | Red Hat Enterprise Linux Server | 2016-06-24 02:00:55 -0700 | Success | 52 Packages<br>6 Errata |
| Red Hat Enterprise Linux 7 Server RPMs x86_64 7Server | Red Hat Enterprise Linux Server | 2016-06-24 02:01:30 -0700 | Success | 11042 Packages<br>1229 Errata |
| Red Hat Enterprise Linux 7 Server RPMs x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:37 -0700 | Success | 11042 Packages<br>1229 Errata |



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# Add the repositories you want

Repositories for Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Repositories for Cont... | Content Views

https://sat6.tc.redhat.com/content_views/6/repositories/yum/available

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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

Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

Repository Selection

List/Remove | Add

All Products | Filter | + Add Repositories

| Name | Product | Last Sync | Sync State | Content |
|---|---|---|---|---|
| Red Hat Storage Native Client for RHEL 7 RPMs x86_64 7Server | Red Hat Enterprise Linux Server | 2016-06-24 02:01:24 -0700 | Success | 40 Packages<br>4 Errata |
| Red Hat Storage Native Client for RHEL 7 RPMs x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:15 -0700 | Success | 40 Packages<br>4 Errata |
| Red Hat Storage Native Client for RHEL 7 RPMs x86_64 7.1 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:35 -0700 | Success | 20 Packages<br>2 Errata |
| Red Hat Satellite Tools 6.1 for RHEL 7 Server RPMs x86_64 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:35 -0700 | Success | 83 Packages<br>7 Errata |
| Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7Server | Red Hat Enterprise Linux Server | 2016-06-24 02:01:19 -0700 | Success | 129 Packages<br>20 Errata |
| Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:36 -0700 | Success | 129 Packages<br>20 Errata |
| Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.1 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:24 -0700 | Success | 81 Packages<br>11 Errata |
| Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.0 | Red Hat Enterprise Linux Server | 2016-06-24 02:00:55 -0700 | Success | 52 Packages<br>6 Errata |
| Red Hat Enterprise Linux 7 Server RPMs x86_64 7Server | Red Hat Enterprise Linux Server | 2016-06-24 02:01:30 -0700 | Success | 11042 Packages<br>1229 Errata |
| Red Hat Enterprise Linux 7 Server RPMs x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:37 -0700 | Success | 11042 Packages<br>1229 Errata |
| Red Hat Enterprise Linux 7 Server RPMs x86_64 7.1 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:32 -0700 | Success | 7873 Packages<br>677 Errata |
| Red Hat Enterprise Linux 7 Server RPMs x86_64 7.0 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:36 -0700 | Success | 5343 Packages<br>188 Errata |
| Red Hat Enterprise Linux 7 Server - RH Common RPMs x86_64 7Server | Red Hat Enterprise Linux Server | 2016-06-24 02:00:55 -0700 | Success | 196 Packages<br>33 Errata |



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# Add the repositories you want

Repositories for Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Repositories for Cont... | Content Views

https://sat6.tc.redhat.com/content_views/6/repositories/yum/available

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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## Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

Content View updated.

### Repository Selection

List/Remove | Add

All Products | Filter | + Add Repositories

| Name | Product | Last Sync | Sync State | Content |
|---|---|---|---|---|
| Red Hat Storage Native Client for RHEL 7 RPMs x86_64 7Server | Red Hat Enterprise Linux Server | 2016-06-24 02:01:24 -0700 | Success | 40 Packages<br>4 Errata |
| Red Hat Storage Native Client for RHEL 7 RPMs x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:15 -0700 | Success | 40 Packages<br>4 Errata |
| Red Hat Storage Native Client for RHEL 7 RPMs x86_64 7.1 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:35 -0700 | Success | 20 Packages<br>2 Errata |
| Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7Server | Red Hat Enterprise Linux Server | 2016-06-24 02:01:19 -0700 | Success | 129 Packages<br>20 Errata |
| Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:36 -0700 | Success | 129 Packages<br>20 Errata |
| Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.1 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:24 -0700 | Success | 81 Packages<br>11 Errata |
| Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.0 | Red Hat Enterprise Linux Server | 2016-06-24 02:00:55 -0700 | Success | 52 Packages<br>6 Errata |
| Red Hat Enterprise Linux 7 Server RPMs x86_64 7Server | Red Hat Enterprise Linux Server | 2016-06-24 02:01:30 -0700 | Success | 11042 Packages<br>1229 Errata |
| Red Hat Enterprise Linux 7 Server RPMs x86_64 7.1 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:32 -0700 | Success | 7873 Packages<br>677 Errata |
| Red Hat Enterprise Linux 7 Server RPMs x86_64 7.0 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:36 -0700 | Success | 5343 Packages<br>188 Errata |
| Red Hat Enterprise Linux 7 Server - RH Common RPMs x86_64 7Server | Red Hat Enterprise Linux Server | 2016-06-24 02:00:55 -0700 | Success | 196 Packages<br>33 Errata |



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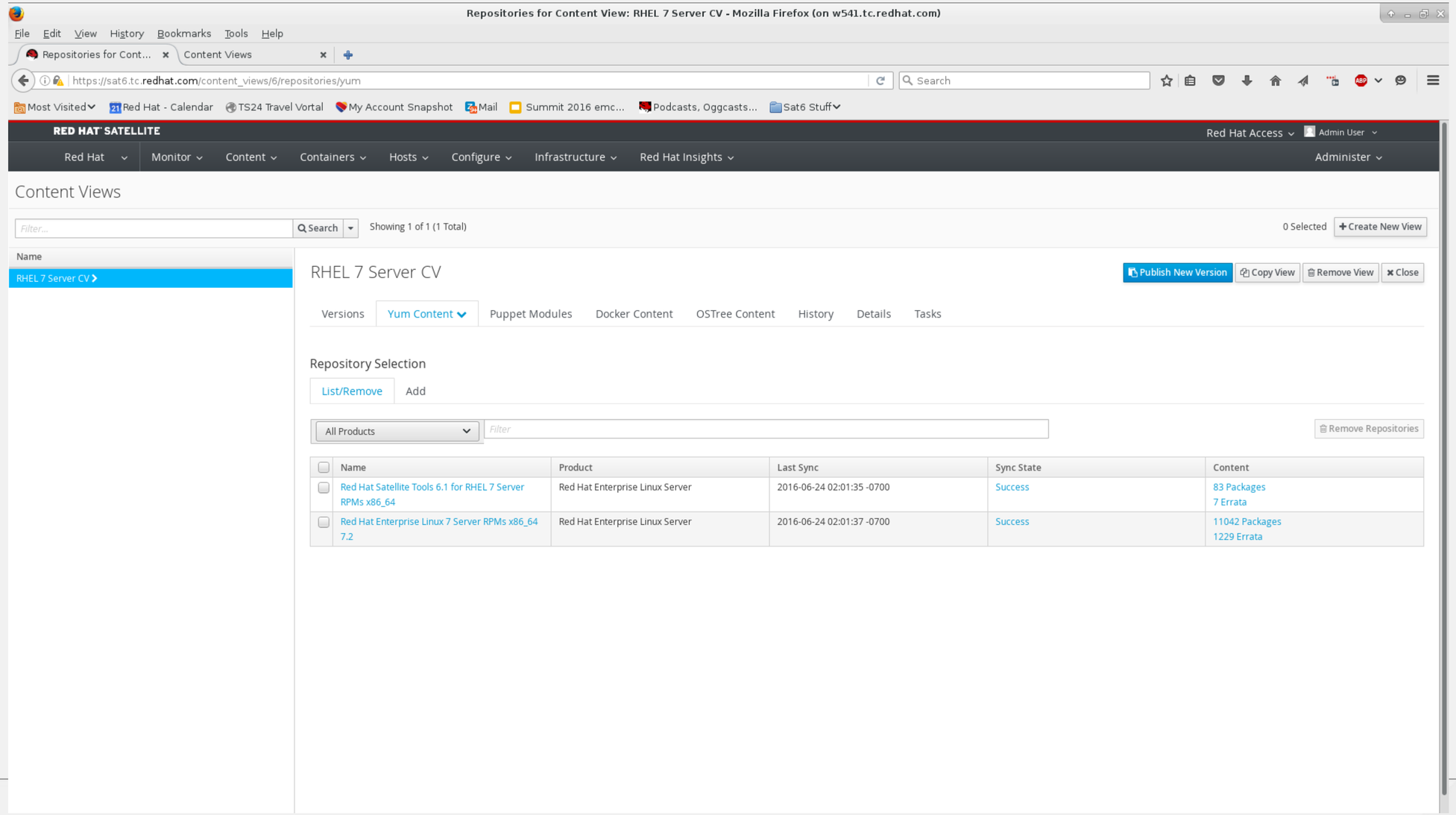
# Add the repositories you want



# Set up a filter

Repositories for Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Repositories for Cont... | Content Views

https://sat6.tc.redhat.com/content_views/6/repositories/yum

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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

Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

Repositories

Filters

Repository

List/Remove | Add

All Products | Filter | Remove Repositories

| Name | Product | Last Sync | Sync State | Content |
|---|---|---|---|---|
| Red Hat Satellite Tools 6.1 for RHEL 7 Server RPMs x86_64 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:35 -0700 | Success | 83 Packages<br>7 Errata |
| Red Hat Enterprise Linux 7 Server RPMs x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:37 -0700 | Success | 11042 Packages<br>1229 Errata |

https://sat6.tc.redhat.com/content_views/6/filters



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# Set up a filter

Filters for Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Filters for Content Vie... | Content Views

https://sat6.tc.redhat.com/content_views/6/filters

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

Filters

Search... | Showing 0 of 0 (0 Total) | 0 Selected | + New Filter | Remove 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.



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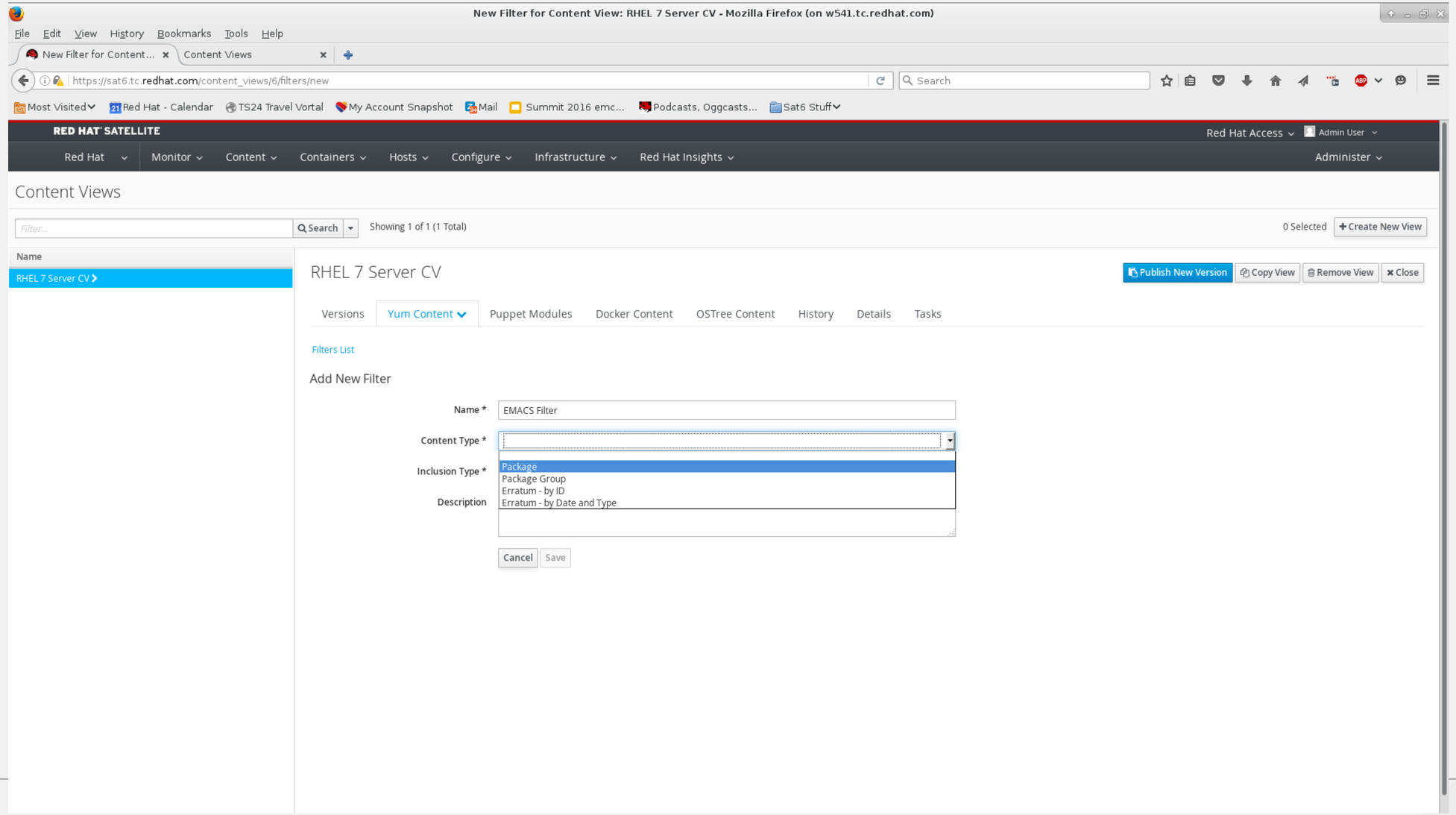
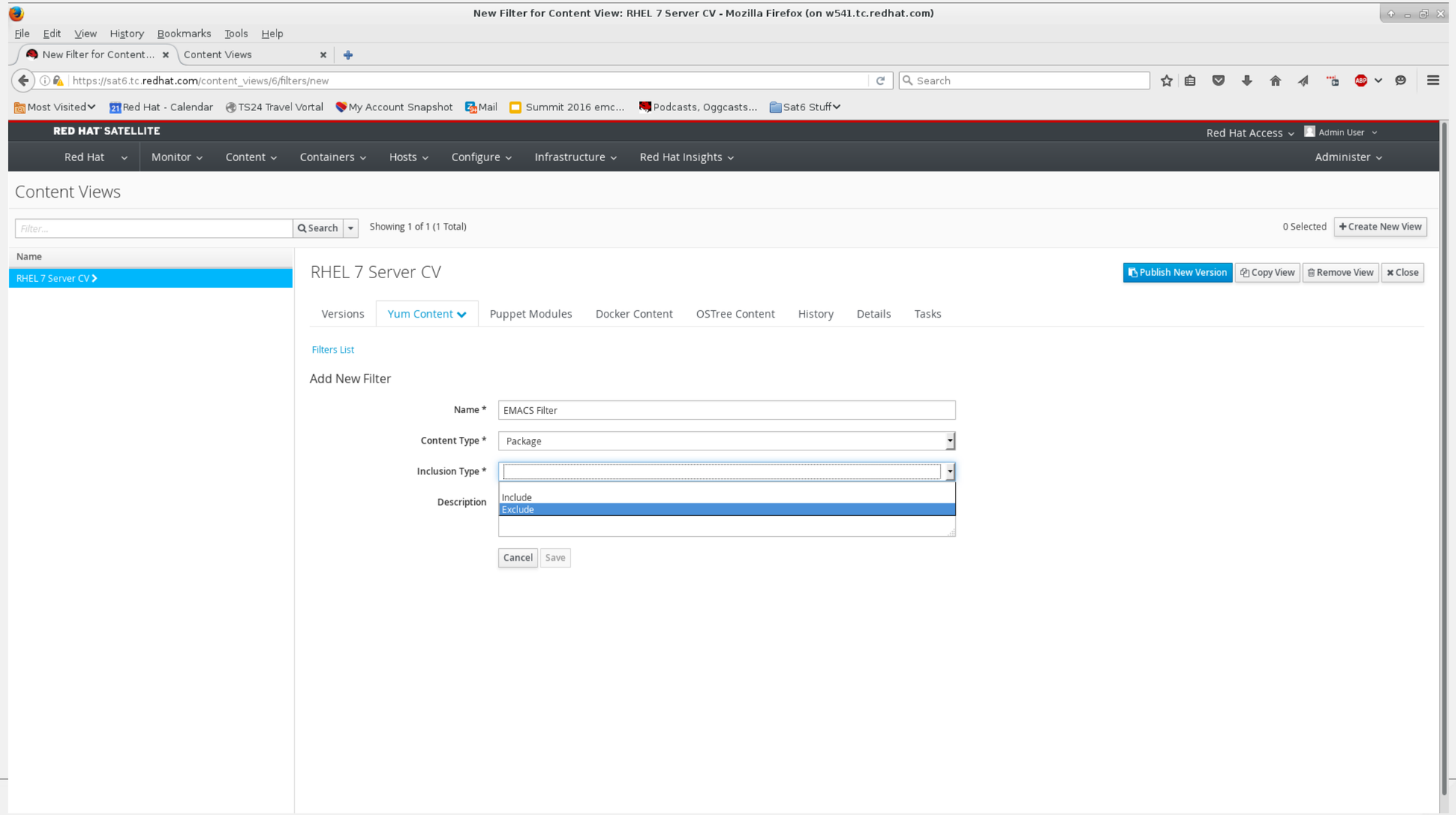
# Name and type



# Include vs. exclude



# EMACS filter

New Filter for Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

New Filter for Content... | Content Views

https://sat6.tc.redhat.com/content_views/6/filters/new

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## Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

## RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

Filters List

### Add New Filter

Name * : EMACS Filter

Content Type * : Package

Inclusion Type * : Exclude

Description : vim for LIFE, baby!

Cancel | Save



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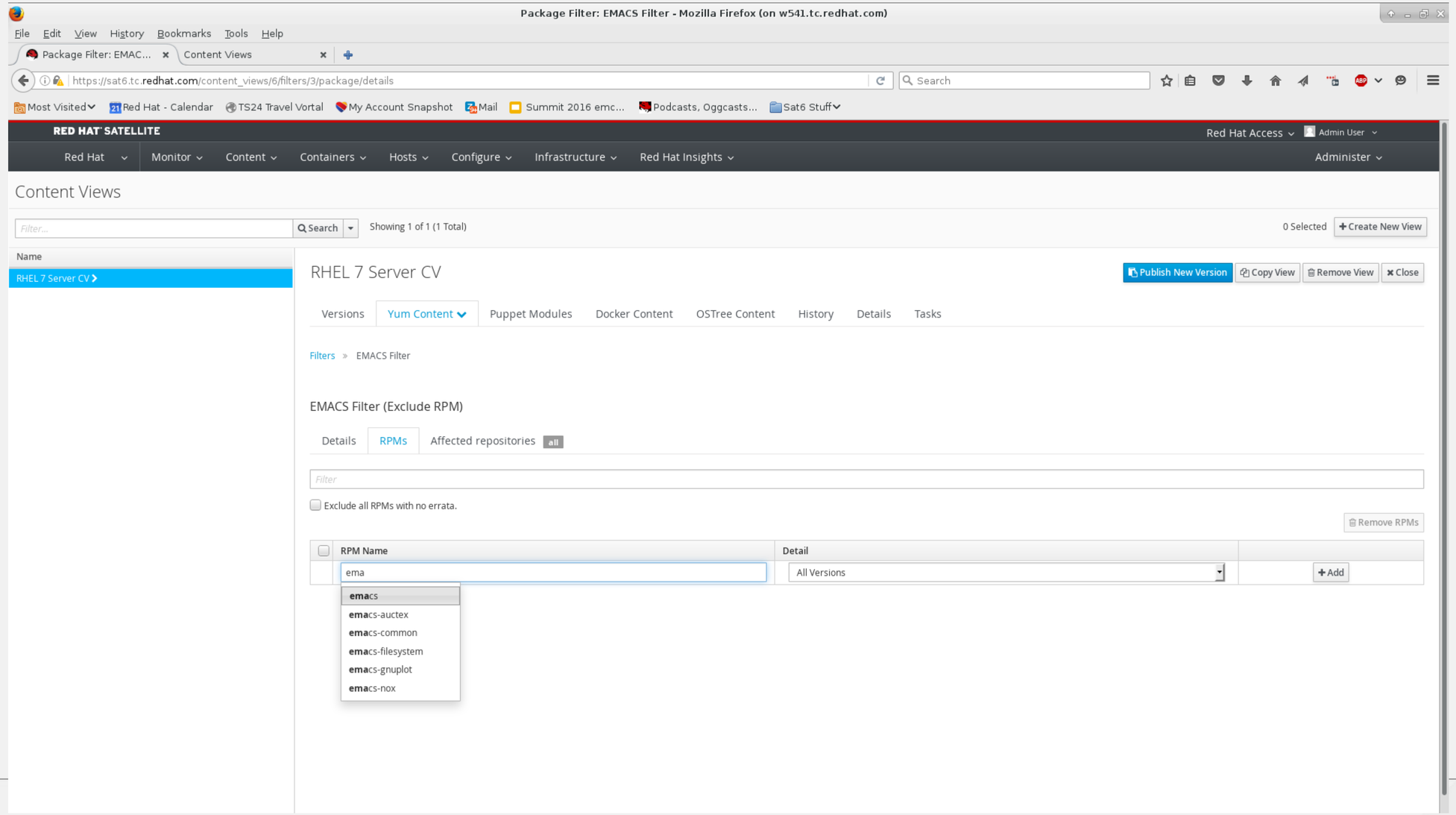
# Type the name of the package or group



# Click Add

Package Filter: EMACS Filter - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Package Filter: EMAC... | Content Views

https://sat6.tc.redhat.com/content_views/6/filters/3/package/details

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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## Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

## RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

Filters » EMACS Filter

### EMACS Filter (Exclude RPM)

Details | RPMs | Affected repositories all

Package successfully added.

Filter

Exclude all RPMs with no errata.

Remove RPMs

| RPM Name | Detail | |
|---|---|---|
| | All Versions | + Add |
| emacs | All Versions | Edit |



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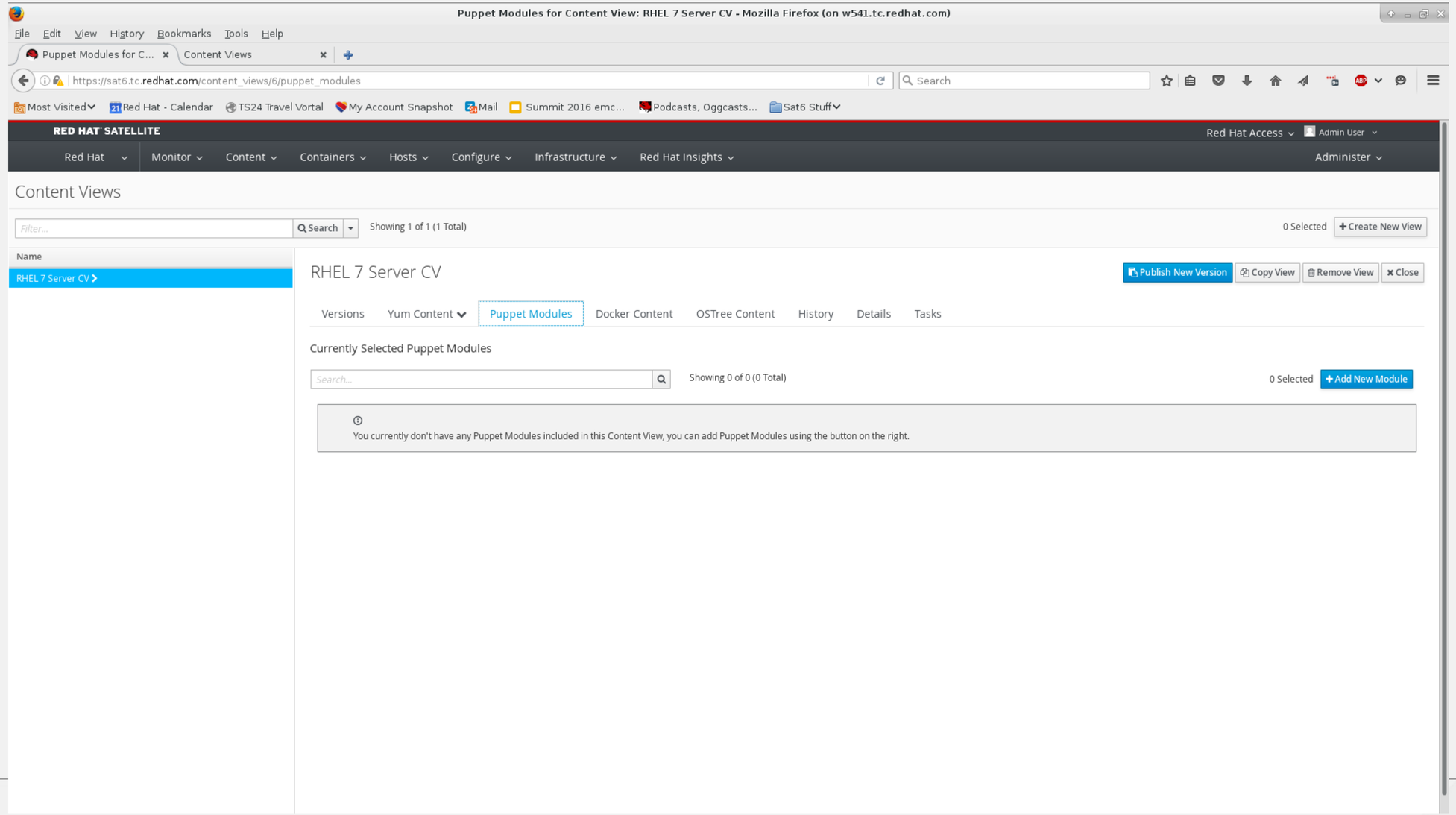
# Add puppet modules to your CV



# Add puppet modules to your CV

Available Puppet Modules for Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Available Puppet Mod... | Content Views

https://sat6.tc.redhat.com/content_views/6/puppet_modules/names

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

Module List

Select A New Puppet Module To Add

Filter | Showing 3 of 3 (3 Total)

| Name | Actions |
|---|---|
| motd | Select a Version |
| registry | Select a Version |
| stdlib | Select a Version |



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# Choose the version

Versions for Puppet Module: motd - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Puppet ... | Content Views

https://sat6.tc.redhat.com/content_views/6/puppet_modules/motd/versions

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE — Red Hat Access | Admin User

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## Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

## RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

Module List » Select Module » motd

### Select an Available Version of motd

Filter

| Author | Version | Summary | Repositories | Actions |
|---|---|---|---|---|
| puppetlabs | Use Latest (currently 1.4.0) | A simple module to demonstrate managing /etc/motd or Windows Logon Message as a template | | Select Version |
| puppetlabs | 1.4.0 | A simple module to demonstrate managing /etc/motd or Windows Logon Message as a template | | Select Version |



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# First one added

Puppet Modules for Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Puppet Modules for C... | Content Views

https://sat6.tc.redhat.com/content_views/6/puppet_modules

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

## Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

### RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

Currently Selected Puppet Modules

Search... | Showing 1 of 1 (1 Total) | 0 Selected | + Add New Module

| Name | Author | Version | Actions |
|---|---|---|---|
| motd | puppetlabs | Latest (Currently 1.4.0) | Select new version / Remove Module |



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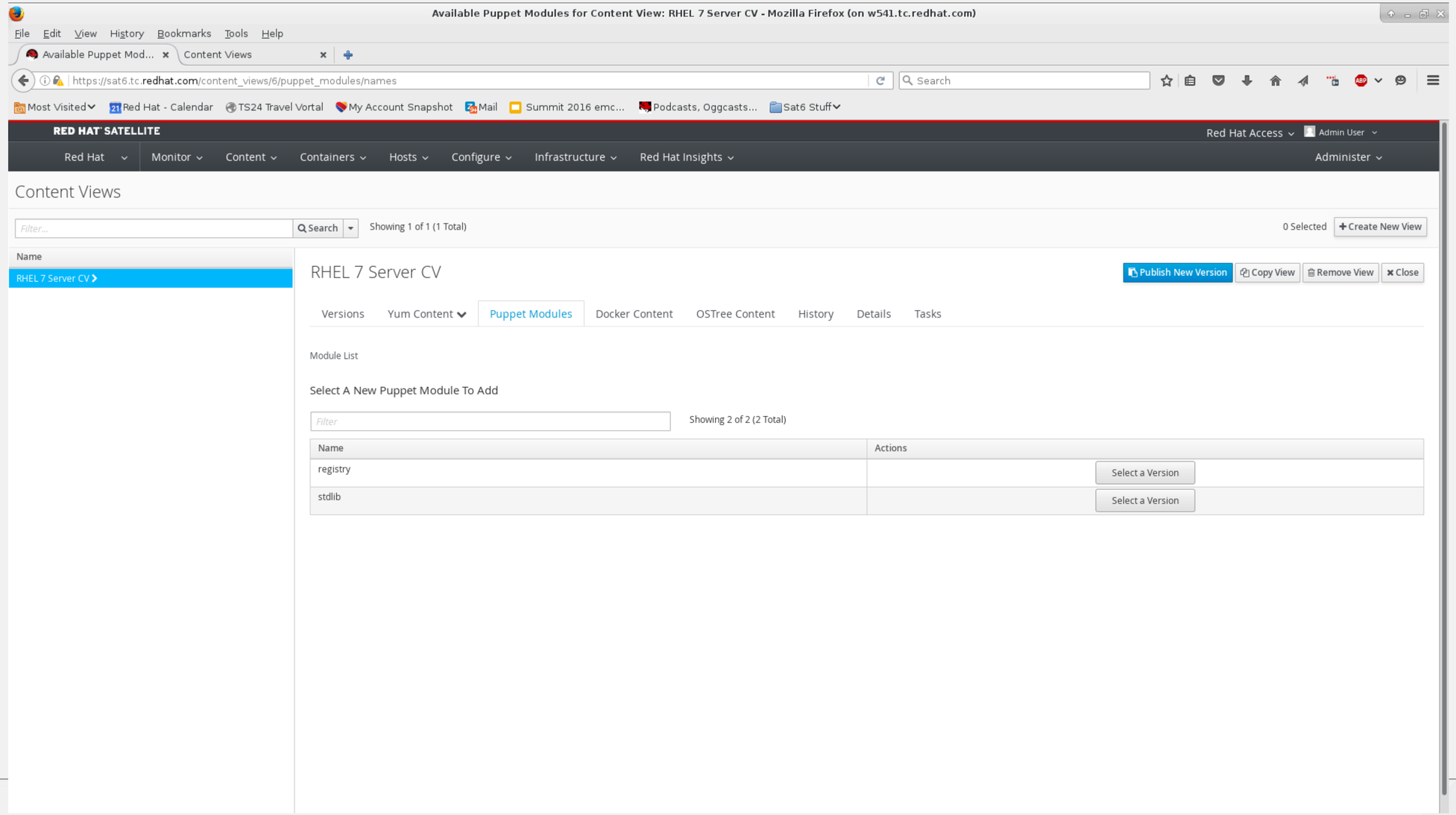
# Same for the rest



# Same for the rest

Versions for Puppet Module: registry - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Puppet ... | Content Views

https://sat6.tc.redhat.com/content_views/6/puppet_modules/registry/versions

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

## Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

## RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

Module List » Select Module » registry

### Select an Available Version of registry

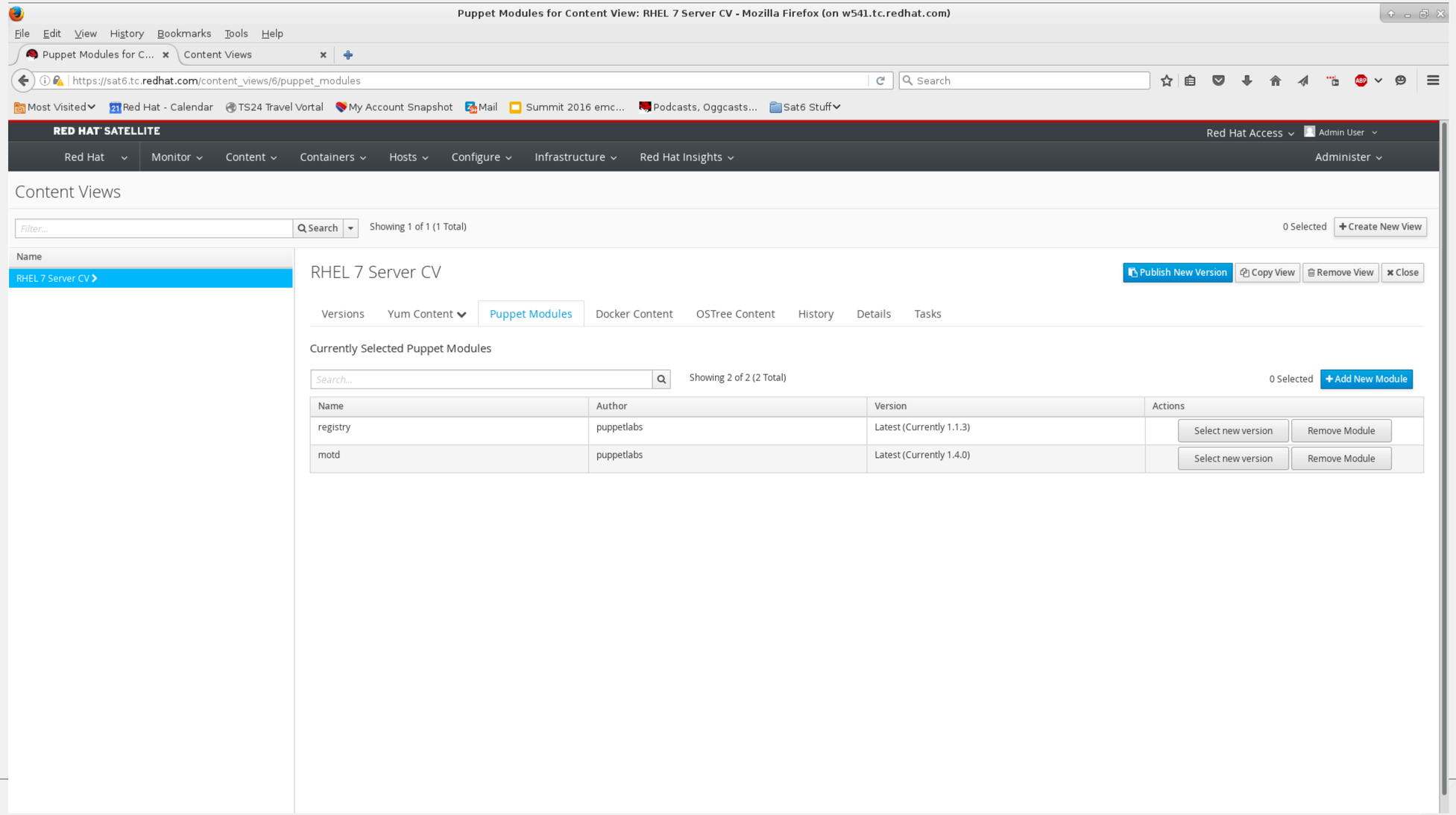
Filter

| Author | Version | Summary | Repositories | Actions |
|---|---|---|---|---|
| puppetlabs | Use Latest (currently 1.1.3) | This module provides a native type and provider to manage keys and values in the Windows Registry | | Select Version |
| puppetlabs | 1.1.3 | This module provides a native type and provider to manage keys and values in the Windows Registry | | Select Version |

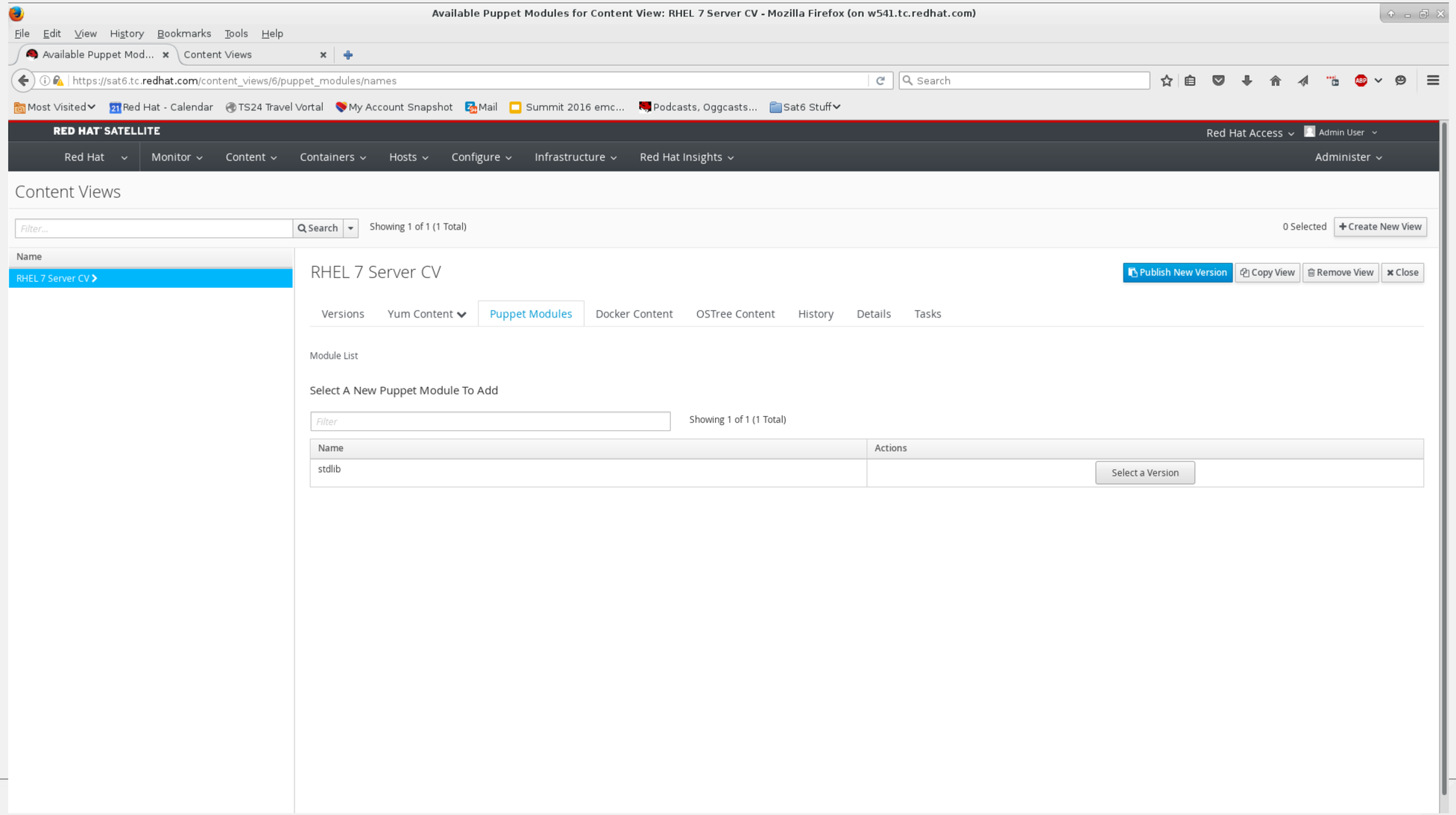


redhat.

# Same for the rest



# Same for the rest



# Same for the rest

Versions for Puppet Module: stdlib - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Puppet ... | Content Views

https://sat6.tc.redhat.com/content_views/6/puppet_modules/stdlib/versions

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE — Red Hat Access | Admin User

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

## Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

## RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

Module List » Select Module » stdlib

### Select an Available Version of stdlib

Filter

| Author | Version | Summary | Repositories | Actions |
|---|---|---|---|---|
| puppetlabs | Use Latest (currently 4.12.0) | Standard library of resources for Puppet modules. | | Select Version |
| puppetlabs | 4.12.0 | Standard library of resources for Puppet modules. | | Select Version |



redhat.

# Same for the rest

Puppet Modules for Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Puppet Modules for C... | Content Views

https://sat6.tc.redhat.com/content_views/6/puppet_modules

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

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## Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

## RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

Currently Selected Puppet Modules

Search... | Showing 3 of 3 (3 Total) | 0 Selected | + Add New Module

| Name | Author | Version | Actions |
|---|---|---|---|
| stdlib | puppetlabs | Latest (Currently 4.12.0) | Select new version / Remove Module |
| registry | puppetlabs | Latest (Currently 1.1.3) | Select new version / Remove Module |
| motd | puppetlabs | Latest (Currently 1.4.0) | Select new version / Remove Module |



redhat.

# Publish the new CV

Publish Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Publish Content View:...

https://sat6.tc.redhat.com/content_views/6/publish

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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## Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

## RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

### Publish New Version

A new version of RHEL 7 Server CV 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 the RHEL 7 base CV

Cancel | Save



redhat.

# Publish the new CV

Versions for Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/6/versions

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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Red Hat Access | Admin User

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

Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Publishing and promoting to 1 environment. | Library | | First version of the RHEL 7 base CV | Promote Remove |



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# Note that it's associated with Library

Versions for Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/6/versions

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

## Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

## RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

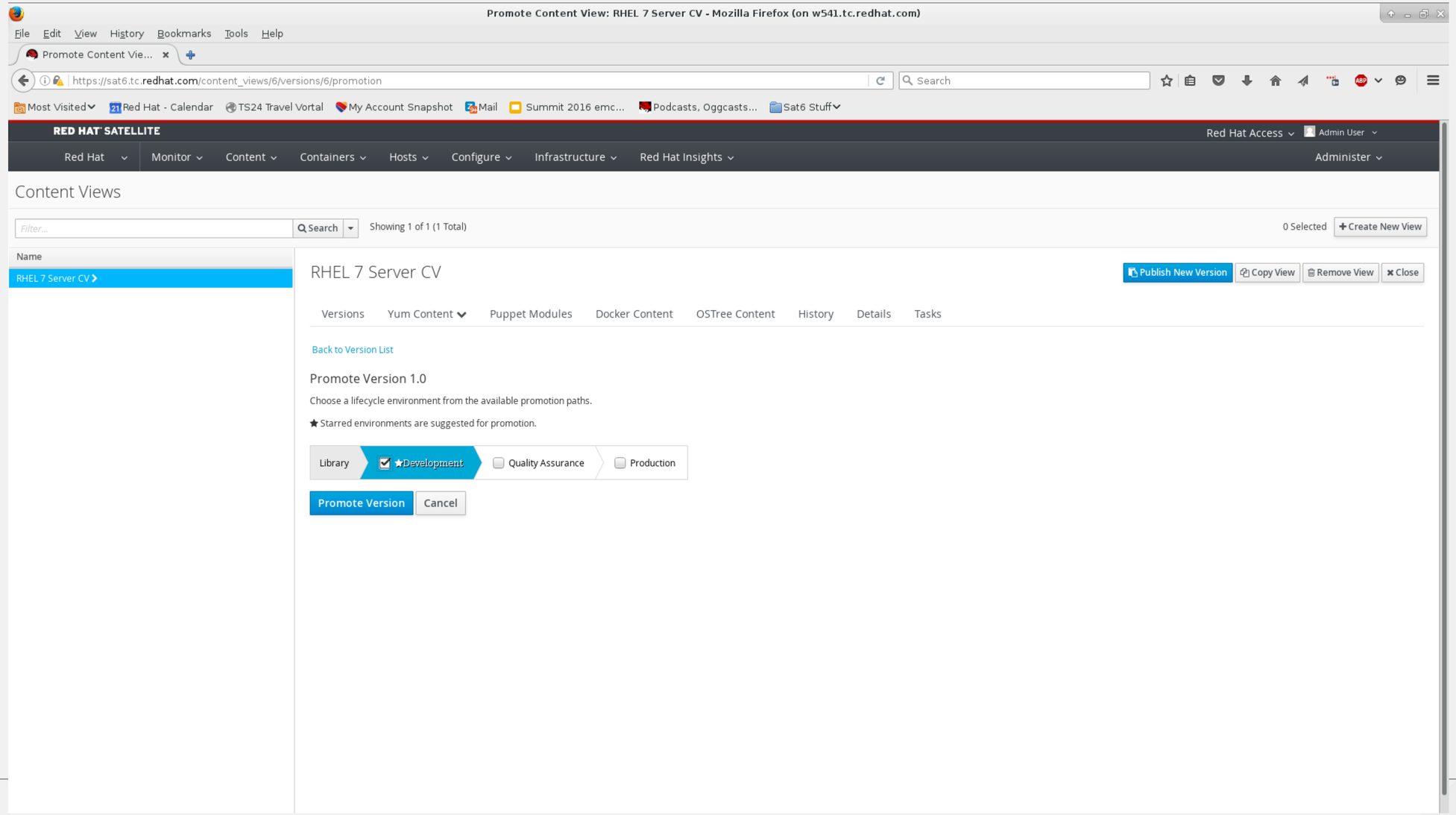
Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Published (2016-06-24 10:21:36 -0700) | Library | 11123 Packages<br>1236 Errata ( 282 796 158 )<br>3 Puppet Modules | First version of the RHEL 7 base CV | Promote Remove |



redhat.

# Promote to Development



# Promote to Development

Versions for Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/6/versions

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

## Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

## RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Promoting to 1 environment. | Library<br>Development | 11123 Packages<br>1236 Errata ( 282 796 158 )<br>3 Puppet Modules | First version of the RHEL 7 base CV | Promote Remove |



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# Promote to Development

Versions for Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/6/versions

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

## Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

## RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Promoted to Development (2016-06-24 10:30:35 -0700) | Library<br>Development | 11123 Packages<br>1236 Errata ( 282 796 158 )<br>3 Puppet Modules | First version of the RHEL 7 base CV | Promote Remove |



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# Promote to QA

Promote Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Promote Content Vie...

https://sat6.tc.redhat.com/content_views/6/versions/6/promotion

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

Back to Version List

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



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# Promote to QA

Versions for Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/6/versions

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

## Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

## RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Promoting to 1 environment. | Library<br>Development<br>Quality Assurance | 11123 Packages<br>1236 Errata ( 282 796 158 )<br>3 Puppet Modules | First version of the RHEL 7 base CV | Promote Remove |



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# Promote to QA

Versions for Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/6/versions

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

## Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

## RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

Successfully promoted RHEL 7 Server CV version 1.0 to Quality Assurance

Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Promoted to Quality Assurance (2016-06-24 11:02:25 -0700) | Library<br>Development<br>Quality Assurance | 11123 Packages<br>1236 Errata ( 282 796 158 )<br>3 Puppet Modules | First version of the RHEL 7 base CV | Promote Remove |



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# Promote to Production

Promote Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Promote Content Vie...

https://sat6.tc.redhat.com/content_views/6/versions/6/promotion

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

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

Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

Back to Version List

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



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# Promote to Production

Versions for Content View: RHEL 7 Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/6/versions

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

## Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

## RHEL 7 Server CV

Publish New Version | Copy View | Remove View | Close

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

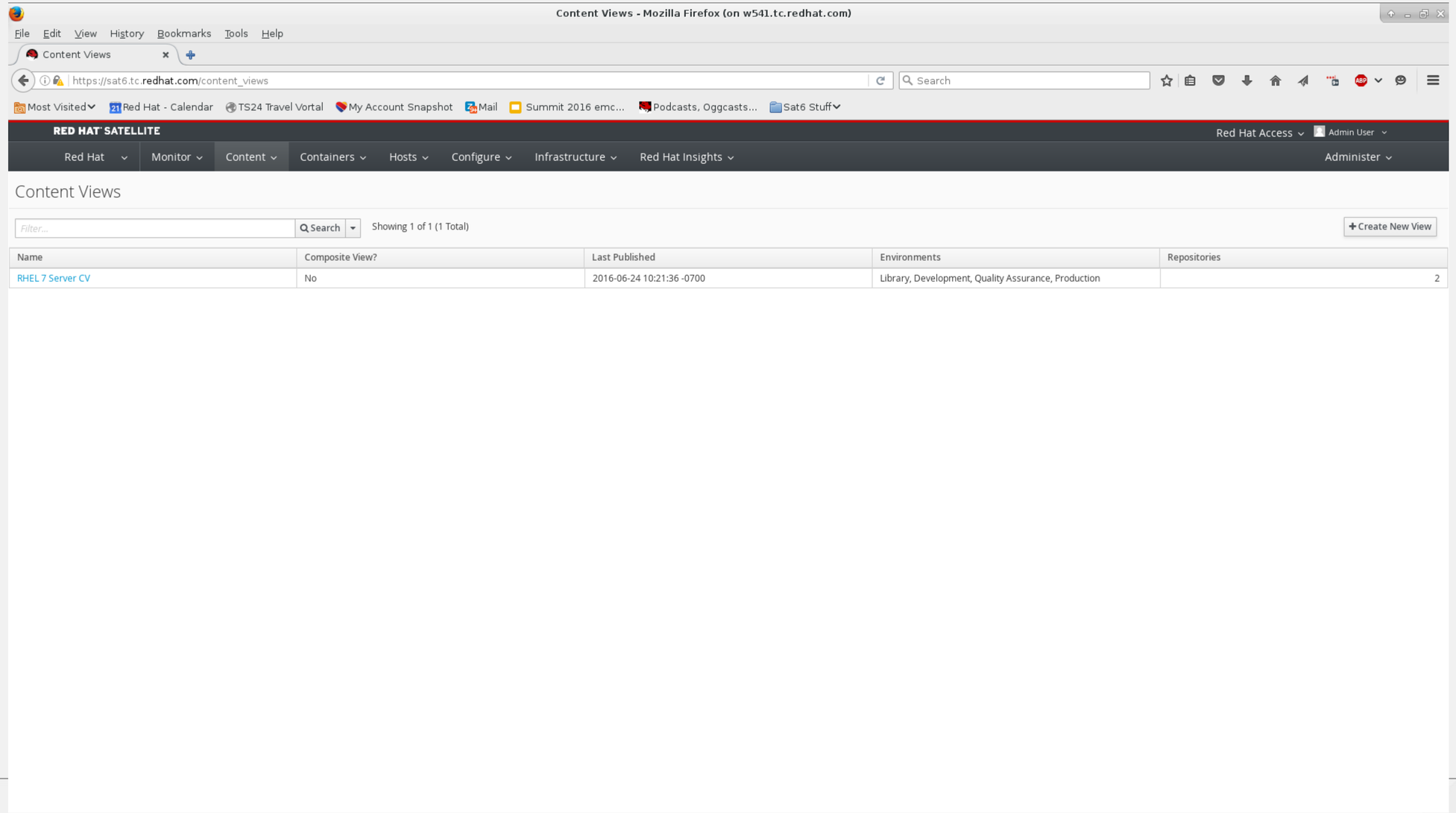
Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Promoted to Production (2016-06-24 11:03:36 -0700) | Library<br>Development<br>Quality Assurance<br>Production | 11123 Packages<br>1236 Errata ( 282 796 158 )<br>3 Puppet Modules | First version of the RHEL 7 base CV | Promote Remove |



redhat.

# Now you have the base CV available to all environments



# Now we're specializing

New Content View - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

New Content View

https://sat6.tc.redhat.com/content_views/new

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

## Content Views

Filter... | Search | Showing 1 of 1 (1 Total) | + Create New View

Name

RHEL 7 Server CV

## New Content View

× Close

### View Details

Name * Web Server CV

Label * Web_Server_CV

Description Initial web server content view

Composite View? ☐

A composite view contains other content views.

Cancel | Save



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# Adding only the repos we need for web services

Repositories for Content View: Web Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Repositories for Cont...

https://sat6.tc.redhat.com/content_views/7/repositories/yum/available

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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## Content Views

Filter... Search — Showing 2 of 2 (2 Total) — 0 Selected — + Create New View

Name
- Web Server CV
- RHEL 7 Server CV

## Web Server CV

Publish New Version | Copy View | Remove View | Close

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

### Repository Selection

List/Remove | Add

All Products — Filter — + Add Repositories

| Name | Product | Last Sync | Sync State | Content |
|---|---|---|---|---|
| Red Hat Storage Native Client for RHEL 7 RPMs x86_64 7Server | Red Hat Enterprise Linux Server | 2016-06-24 02:01:24 -0700 | Success | 40 Packages<br>4 Errata |
| Red Hat Storage Native Client for RHEL 7 RPMs x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:15 -0700 | Success | 40 Packages<br>4 Errata |
| Red Hat Storage Native Client for RHEL 7 RPMs x86_64 7.1 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:35 -0700 | Success | 20 Packages<br>2 Errata |
| Red Hat Satellite Tools 6.1 for RHEL 7 Server RPMs x86_64 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:35 -0700 | Success | 83 Packages<br>7 Errata |
| Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7Server | Red Hat Enterprise Linux Server | 2016-06-24 02:01:19 -0700 | Success | 129 Packages<br>20 Errata |
| Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:36 -0700 | Success | 129 Packages<br>20 Errata |
| Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.1 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:24 -0700 | Success | 81 Packages<br>11 Errata |
| Red Hat Enterprise Linux 7 Server - Supplementary RPMs x86_64 7.0 | Red Hat Enterprise Linux Server | 2016-06-24 02:00:55 -0700 | Success | 52 Packages<br>6 Errata |
| Red Hat Enterprise Linux 7 Server RPMs x86_64 7Server | Red Hat Enterprise Linux Server | 2016-06-24 02:01:30 -0700 | Success | 11042 Packages<br>1229 Errata |
| Red Hat Enterprise Linux 7 Server RPMs x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:37 -0700 | Success | 11042 Packages<br>1229 Errata |



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# Adding only the repos we need for web services

Repositories for Content View: Web Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Repositories for Cont...

https://sat6.tc.redhat.com/content_views/7/repositories/yum/available

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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

## Content Views

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | + Create New View

Name

- Web Server CV
- RHEL 7 Server CV

| | | | | |
|---|---|---|---|---|
| Red Hat Enterprise Linux 7 Server RPMs x86_64 7Server | Red Hat Enterprise Linux Server | 2016-06-24 02:01:30 -0700 | Success | 11042 Packages 1229 Errata |
| Red Hat Enterprise Linux 7 Server RPMs x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:37 -0700 | Success | 11042 Packages 1229 Errata |
| Red Hat Enterprise Linux 7 Server RPMs x86_64 7.1 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:32 -0700 | Success | 7873 Packages 677 Errata |
| Red Hat Enterprise Linux 7 Server RPMs x86_64 7.0 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:36 -0700 | Success | 5343 Packages 188 Errata |
| Red Hat Enterprise Linux 7 Server - RH Common RPMs x86_64 7Server | Red Hat Enterprise Linux Server | 2016-06-24 02:00:55 -0700 | Success | 196 Packages 33 Errata |
| Red Hat Enterprise Linux 7 Server - RH Common RPMs x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:18 -0700 | Success | 196 Packages 33 Errata |
| Red Hat Enterprise Linux 7 Server - RH Common RPMs x86_64 7.1 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:02 -0700 | Success | 167 Packages 25 Errata |
| Red Hat Enterprise Linux 7 Server - RH Common RPMs x86_64 7.0 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:35 -0700 | Success | 104 Packages 17 Errata |
| Red Hat Enterprise Linux 7 Server - Optional RPMs x86_64 7Server | Red Hat Enterprise Linux Server | 2016-06-24 02:01:34 -0700 | Success | 8710 Packages 855 Errata |
| Red Hat Enterprise Linux 7 Server - Optional RPMs x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:12 -0700 | Success | 8710 Packages 855 Errata |
| Red Hat Enterprise Linux 7 Server - Optional RPMs x86_64 7.1 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:31 -0700 | Success | 6261 Packages 474 Errata |
| Red Hat Enterprise Linux 7 Server - Optional RPMs x86_64 7.0 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:41 -0700 | Success | 4650 Packages 156 Errata |
| Red Hat Enterprise Linux 7 Server Kickstart x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:15 -0700 | Success | 4620 Packages |
| Red Hat Enterprise Linux 7 Server Kickstart x86_64 7.1 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:44 -0700 | Success | 4371 Packages |
| Red Hat Enterprise Linux 7 Server Kickstart x86_64 7.0 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:42 -0700 | Success | 4305 Packages |
| Red Hat Enterprise Linux 7 Server - Extras RPMs x86_64 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:20 -0700 | Success | 249 Packages 173 Errata |
| EPEL Repo | Extra Packackages for Enterprise Linux | 2016-06-24 02:06:25 -0700 | Success | 10185 Packages 2949 Errata |



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# Adding only the repos we need for web services

Repositories for Content View: Web Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Repositories for Cont...

https://sat6.tc.redhat.com/content_views/7/repositories/yum

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

Content Views

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | + Create New View

Name

Web Server CV

RHEL 7 Server CV

Web Server CV

Publish New Version | Copy View | Remove View | Close

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

Repository Selection

List/Remove | Add

All Products | Filter | Remove Repositories

| Name | Product | Last Sync | Sync State | Content |
|---|---|---|---|---|
| Red Hat Enterprise Linux 7 Server - Optional RPMs x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:12 -0700 | Success | 8710 Packages<br>855 Errata |
| EPEL Repo | Extra Packackages for Enterprise Linux | 2016-06-24 02:06:25 -0700 | Success | 10185 Packages<br>2949 Errata |



redhat.

# This time, we add an include filter

Repositories for Content View: Web Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Repositories for Cont...

https://sat6.tc.redhat.com/content_views/7/repositories/yum

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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Red Hat Access | Admin User

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

Content Views

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | + Create New View

Name

Web Server CV

RHEL 7 Server CV

Web Server CV

Publish New Version | Copy View | Remove View | Close

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

Repositories

Filters

Repository

List/Remove | Add

All Products | Filter | Remove Repositories

| Name | Product | Last Sync | Sync State | Content |
|---|---|---|---|---|
| Red Hat Enterprise Linux 7 Server - Optional RPMs x86_64 7.2 | Red Hat Enterprise Linux Server | 2016-06-24 02:01:12 -0700 | Success | 8710 Packages<br>855 Errata |
| EPEL Repo | Extra Packackages for Enterprise Linux | 2016-06-24 02:06:25 -0700 | Success | 10185 Packages<br>2949 Errata |

https://sat6.tc.redhat.com/content_views/7/filters



redhat.

# This time, we add an include filter

Filters for Content View: Web Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Filters for Content Vie...

https://sat6.tc.redhat.com/content_views/7/filters

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

Content Views

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | + Create New View

Name

Web Server CV

RHEL 7 Server CV

Web Server CV

Publish New Version | Copy View | Remove View | Close

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

Filters

Search... | Showing 0 of 0 (0 Total) | 0 Selected | + New Filter | Remove 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.



redhat.

# This time, we add an include filter

New Filter for Content View: Web Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

New Filter for Content...

https://sat6.tc.redhat.com/content_views/7/filters/new

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Content Views

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | + Create New View

Name

Web Server CV

RHEL 7 Server CV

Web Server CV

Publish New Version | Copy View | Remove View | Close

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

Filters List

Add New Filter

Name * Enable 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



redhat.

# This time, we add an include filter

Package Filter: Enable drupal7 - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Package Filter: Enabl...

https://sat6.tc.redhat.com/content_views/7/filters/5/package/details

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Content Views

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | + Create New View

Name

Web Server CV

RHEL 7 Server CV

Web Server CV

Publish New Version | Copy View | Remove View | Close

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

Filters » Enable drupal7

Enable drupal7 (Include RPM)

Details | RPMs | Affected repositories all

Filter

Include all RPMs with no errata.

Remove RPMs

| RPM Name | Detail | |
|---|---|---|
| drup | All Versions | + Add |

drupal7
drupal7-active_tags
drupal7-addressfield
drupal7-admin_menu
drupal7-admin_theme
drupal7-advanced_help
drupal7-block_class
drupal7-ckeditor
drupal7-ctools
drupal7-email
drupal7-google_analytics
drupal7-jquery_update



redhat.

# This time, we add an include filter

Package Filter: Enable drupal7 - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Package Filter: Enabl...

https://sat6.tc.redhat.com/content_views/7/filters/5/package/details

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Content Views

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | + Create New View

Name

Web Server CV

RHEL 7 Server CV

Web Server CV

Publish New Version | Copy View | Remove View | Close

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

Filters » Enable drupal7

Enable drupal7 (Include RPM)

Details | RPMs | Affected repositories all

Package successfully added.

Filter

Include all RPMs with no errata.

Remove RPMs

| RPM Name | Detail | |
|---|---|---|
| | All Versions | + Add |
| drupal7 | All Versions | Edit |



redhat.

# This time, we add an include filter

Package Filter: Enable drupal7 - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Package Filter: Enabl...

https://sat6.tc.redhat.com/content_views/7/filters/5/package/details

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Content Views

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

Web Server CV

Web Server CV

Publish New Version | Copy View | Remove View | Close

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

Filters » Enable drupal7

Enable drupal7 (Include RPM)

Details | RPMs | Affected repositories all

Package successfully added.

Filter

Include all RPMs with no errata.

Remove RPMs

| RPM Name | Detail | |
|---|---|---|
| | All Versions | + Add |
| drupal7 | All Versions | Edit |
| php-mbstring | All Versions | Edit |



redhat.

# Publish this CV, same as before: dev/QA/prod

Publish Content View: Web Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Publish Content View:...

https://sat6.tc.redhat.com/content_views/7/publish

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## Content Views

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | + Create New View

Name

- RHEL 7 Server CV
- Web Server CV

## Web Server CV

Publish New Version | Copy View | Remove View | Close

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

### Publish New Version

A new version of Web Server CV 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

Cancel | Save



redhat.

# Publish this CV, same as before: dev/QA/prod

Versions for Content View: Web Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/7/versions

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## Content Views

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | + Create New View

Name

- RHEL 7 Server CV
- Web Server CV

## Web Server CV

Publish New Version | Copy View | Remove View | Close

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

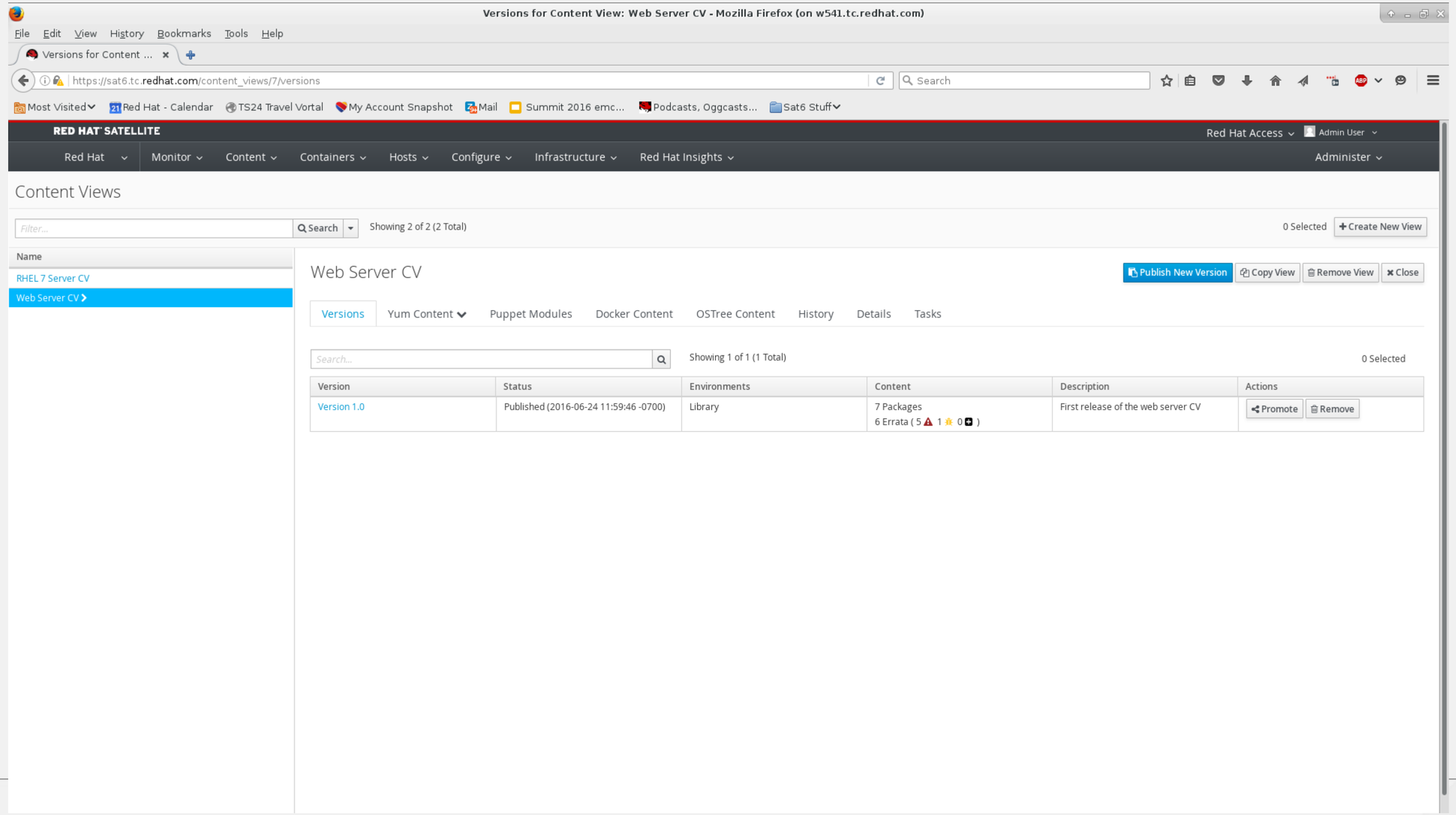
Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Publishing and promoting to 1 environment. | Library | | First release of the web server CV | Promote Remove |



redhat.

# Publish this CV, same as before: dev/QA/prod



# Publish this CV, same as before: dev/QA/prod

Promote Content View: Web Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Promote Content Vie...

https://sat6.tc.redhat.com/content_views/7/versions/7/promotion

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Content Views

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | + Create New View

Name

RHEL 7 Server CV

Web Server CV

Web Server CV

Publish New Version | Copy View | Remove View | Close

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

Back to Version List

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



redhat.

# Publish this CV, same as before: dev/QA/prod

Versions for Content View: Web Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/7/versions

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## Content Views

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | + Create New View

Name

- RHEL 7 Server CV
- Web Server CV

## Web Server CV

Publish New Version | Copy View | Remove View | Close

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

Successfully initiated promotion of Web Server CV version 1.0 to Development.

Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Promoting to 1 environment. | Library<br>Development | 7 Packages<br>6 Errata ( 5 1 0 ) | First release of the web server CV | Promote Remove |



redhat.

# Publish this CV, same as before: dev/QA/prod

Versions for Content View: Web Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/7/versions

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## Content Views

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | + Create New View

Name

- RHEL 7 Server CV
- Web Server CV

## Web Server CV

Publish New Version | Copy View | Remove View | Close

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

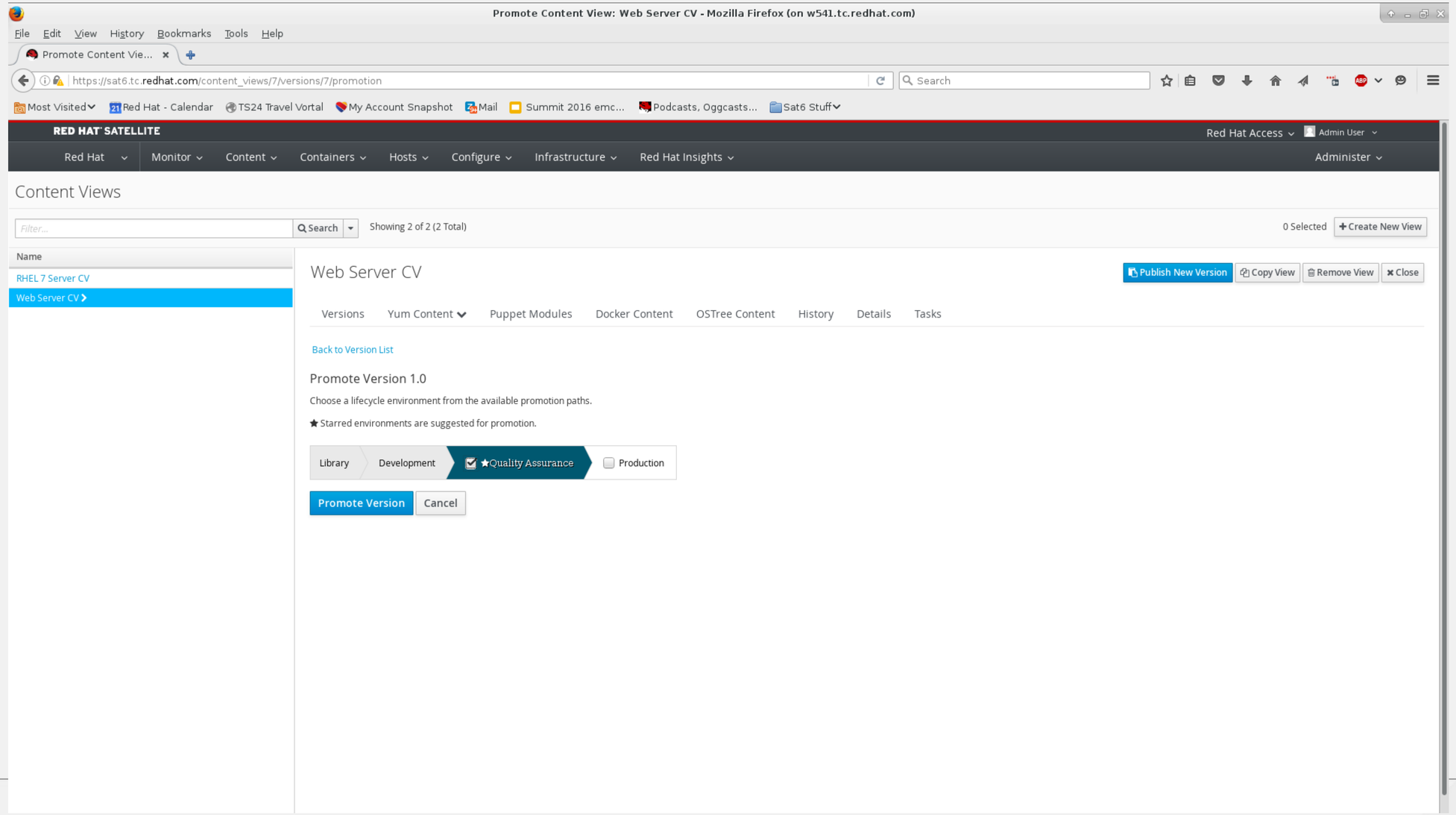
Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Promoted to Development (2016-06-24 12:15:31 -0700) | Library<br>Development | 7 Packages<br>6 Errata ( 5 1 0 ) | First release of the web server CV | Promote Remove |

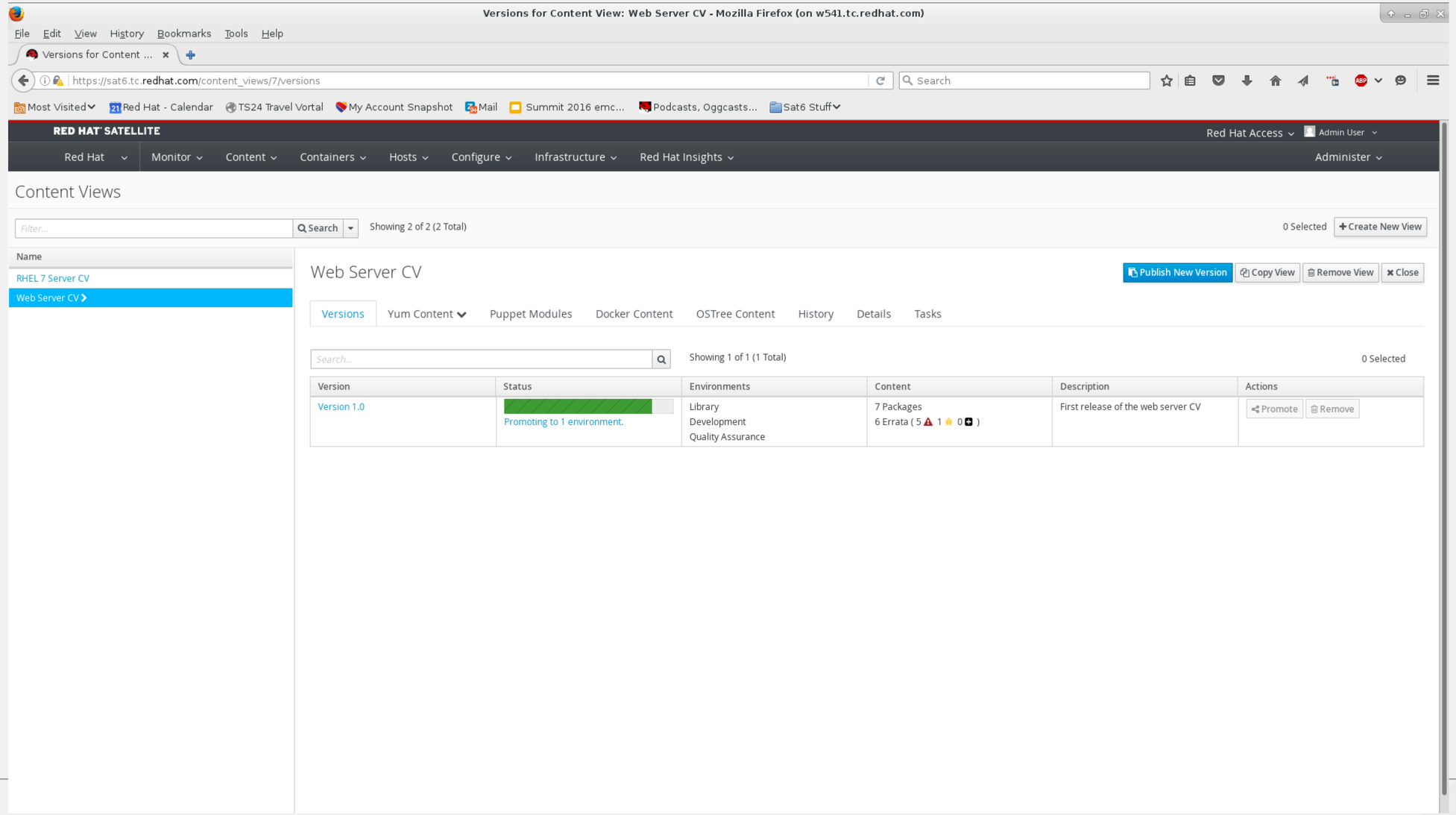


redhat.

# Publish this CV, same as before: dev/QA/prod



# Publish this CV, same as before: dev/QA/prod



# Publish this CV, same as before: dev/QA/prod

Versions for Content View: Web Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/7/versions

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## Content Views

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | + Create New View

Name

- RHEL 7 Server CV
- Web Server CV

## Web Server CV

Publish New Version | Copy View | Remove View | Close

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

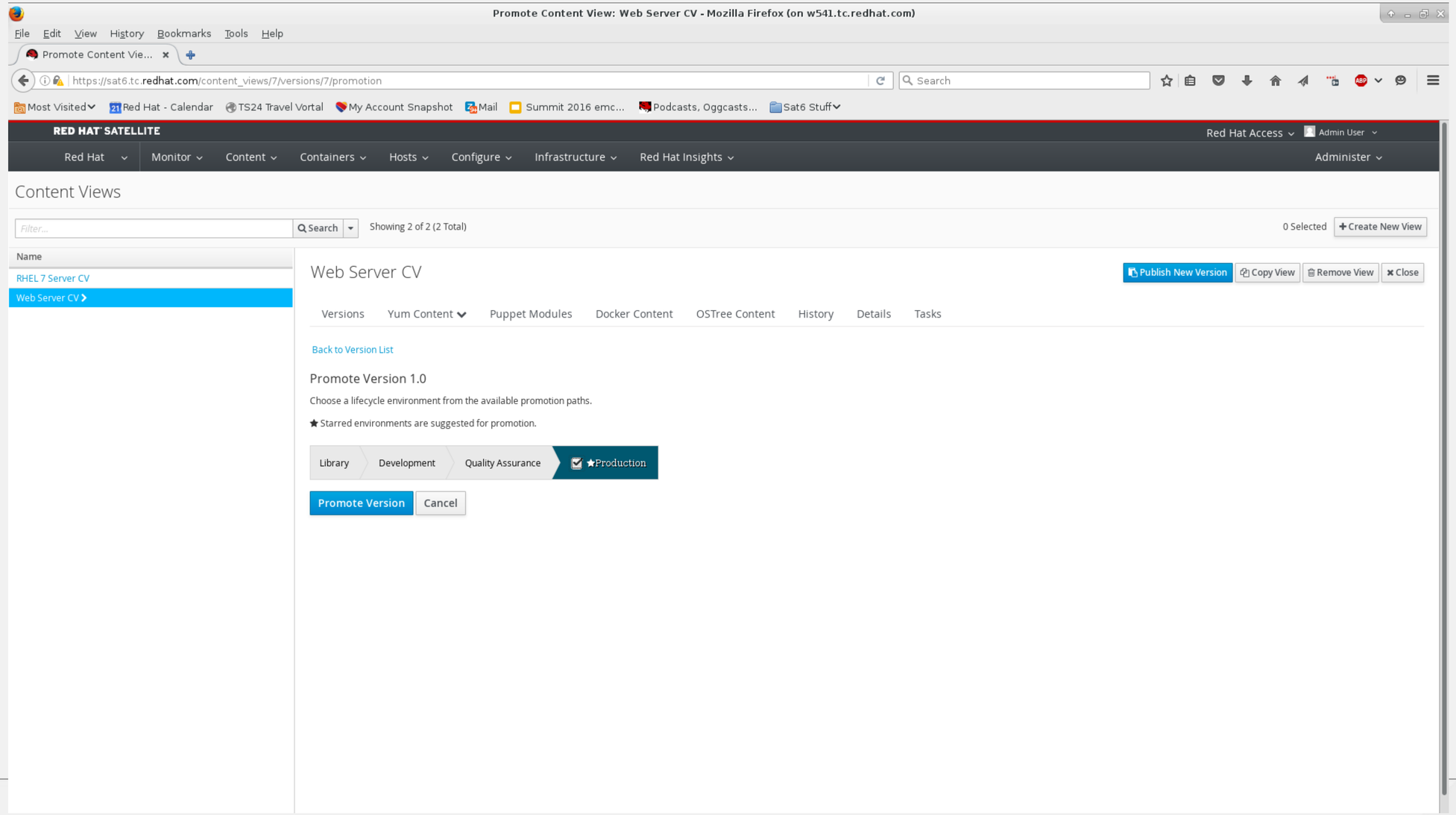
Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Promoted to Quality Assurance (2016-06-24 12:17:00 -0700) | Library<br>Development<br>Quality Assurance | 7 Packages<br>6 Errata ( 5 1 0 ) | First release of the web server CV | Promote Remove |



redhat.

# Publish this CV, same as before: dev/QA/prod



# Publish this CV, same as before: dev/QA/prod

Versions for Content View: Web Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/7/versions

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## Content Views

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | + Create New View

Name

- RHEL 7 Server CV
- Web Server CV

## Web Server CV

Publish New Version | Copy View | Remove View | Close

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

Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Promoting to 1 environment. | Library<br>Development<br>Quality Assurance<br>Production | 7 Packages<br>6 Errata ( 5 1 0 ) | First release of the web server CV | Promote Remove |



redhat.

# Publish this CV, same as before: dev/QA/prod

Versions for Content View: Web Server CV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/7/versions

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## Content Views

Filter... | Search | Showing 2 of 2 (2 Total) | 0 Selected | + Create New View

Name

- RHEL 7 Server CV
- Web Server CV

## Web Server CV

Publish New Version | Copy View | Remove View | Close

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

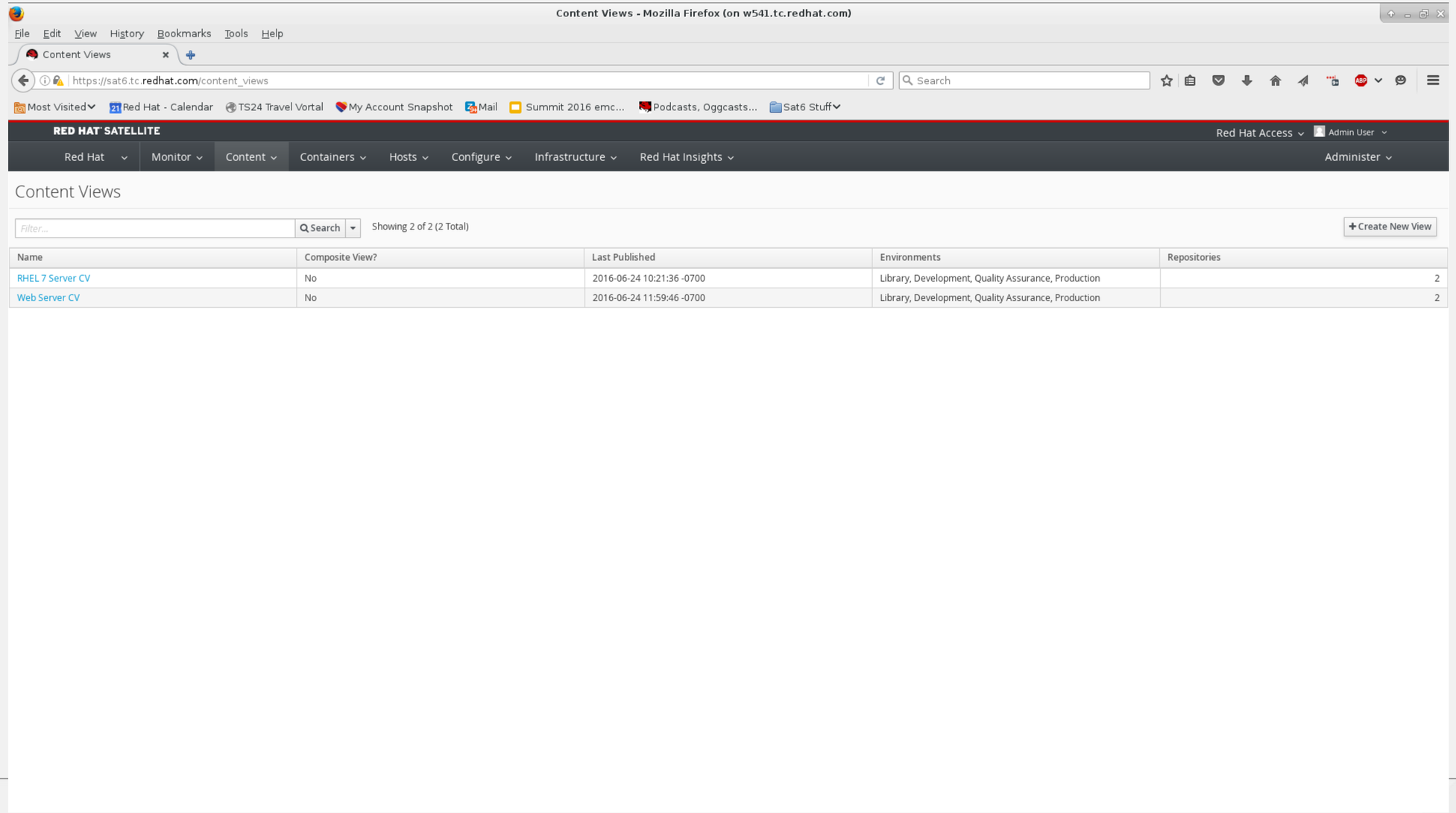
Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Promoted to Production (2016-06-24 12:17:35 -0700) | Library<br>Development<br>Quality Assurance<br>Production | 7 Packages<br>6 Errata ( 5 1 0 ) | First release of the web server CV | Promote Remove |



redhat.

# Now we have two CVs, one base and one with add-ons






redhat.

# We'll use both to create a composite content view

New Content View - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

New Content View

https://sat6.tc.redhat.com/content_views/new

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Content Views

Filter... | Search | Showing 2 of 2 (2 Total) | + Create New View

| Name |
| --- |
| RHEL 7 Server CV |
| Web Server CV |

New Content View

× Close

View Details

Name * drupal7 server CCV

Label * drupal7_server_CCV

Description Composite content view for the drupal7 servers

Composite View? ☑

A composite view contains other content views.

Cancel | Save



redhat.

# Select CVs

Available Content Views for Composite Content View: drupal7 server CCV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Available Content Vie...

https://sat6.tc.redhat.com/content_views/8/content-views/available

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## Content Views

Filter... | Search | Showing 3 of 3 (3 Total) | 0 Selected | + Create New View

Name

- drupal7 server CCV
- RHEL 7 Server CV
- Web Server CV

## Composite Content View drupal7 server CCV

Publish New Version | Copy View | Remove View | Close

Versions | Content Views | History | Details | Tasks

List/Remove | Add

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

Filter... | 0 Selected | + Add Content Views

| Name | Version | Environment | Description | Content |
|---|---|---|---|---|
| RHEL 7 Server CV | Version 1 | Library, Development, Quality Assurance, Production | RHEL 7 Server base content view | 2 Repositories<br>3 Puppet Modules |
| Web Server CV | Version 1 | Library, Development, Quality Assurance, Production | Initial web server content view | 2 Repositories<br>0 Puppet Modules |



redhat.

# Select CVs

Available Content Views for Composite Content View: drupal7 server CCV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Available Content Vie...

https://sat6.tc.redhat.com/content_views/8/content-views/available

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## Content Views

Filter... | Search | Showing 3 of 3 (3 Total) | 0 Selected | + Create New View

Name

- drupal7 server CCV
- RHEL 7 Server CV
- Web Server CV

## Composite Content View drupal7 server CCV

Publish New Version | Copy View | Remove View | Close

Versions | Content Views | History | Details | Tasks

List/Remove | Add

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

Filter... | 2 Selected | + Add Content Views

| Name | Version | Environment | Description | Content |
|---|---|---|---|---|
| RHEL 7 Server CV | Version 1 | Library, Development, Quality Assurance, Production | RHEL 7 Server base content view | 2 Repositories<br>3 Puppet Modules |
| Web Server CV | Version 1 | Library, Development, Quality Assurance, Production | Initial web server content view | 2 Repositories<br>0 Puppet Modules |



redhat.

# Select CVs

Available Content Views for Composite Content View: drupal7 server CCV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Available Content Vie...

https://sat6.tc.redhat.com/content_views/8/content-views/available

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Content Views

Filter... | Search | Showing 3 of 3 (3 Total) | 0 Selected | + Create New View

Name

- drupal7 server CCV
- RHEL 7 Server CV
- Web Server CV

Composite Content View drupal7 server CCV

Publish New Version | Copy View | Remove View | Close

Versions | Content Views | History | Details | Tasks

Content View updated.

List/Remove | Add

Filter...

2 Selected | + Add Content Views



redhat.

# Select CVs

Content Views for Composite Content View: drupal7 server CCV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Content Views for Co...

https://sat6.tc.redhat.com/content_views/8/content-views

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## Content Views

Filter... | Search | Showing 3 of 3 (3 Total) | 0 Selected | + Create New View

Name

- drupal7 server CCV
- RHEL 7 Server CV
- Web Server CV

## Composite Content View drupal7 server CCV

Publish New Version | Copy View | Remove View | Close

Versions | Content Views | History | Details | Tasks

List/Remove | Add

Filter... | 0 Selected | Remove Content Views

| | Name | Version | Environment | Description | Content |
|---|---|---|---|---|---|
| | RHEL 7 Server CV | Version 1.0 | Library, Development, Quality Assurance, Production | RHEL 7 Server base content view | 2 Repositories<br>3 Puppet Modules |
| | Web Server CV | Version 1.0 | Library, Development, Quality Assurance, Production | Initial web server content view | 2 Repositories<br>0 Puppet Modules |



redhat.

# Publish the CCV

Publish Content View: drupal7 server CCV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Publish Content View:...

https://sat6.tc.redhat.com/content_views/8/publish

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## Content Views

Filter... | Search | Showing 3 of 3 (3 Total) | 0 Selected | + Create New View

Name

- drupal7 server CCV
- RHEL 7 Server CV
- Web Server CV

### Composite Content View drupal7 server CCV

Publish New Version | Copy View | Remove View | Close

Versions | Content Views | History | Details | Tasks

#### 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 the drupal7 servers

Cancel | Save



redhat.

# Publish the CCV

Versions for Content View: drupal7 server CCV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/8/versions

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## Content Views

Filter... | Search | Showing 3 of 3 (3 Total) | 0 Selected | + Create New View

Name

- drupal7 server CCV
- RHEL 7 Server CV
- Web Server CV

### Composite Content View drupal7 server CCV

Publish New Version | Copy View | Remove View | Close

Versions | Content Views | History | Details | Tasks

Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Publishing and promoting to 1 environment. | Library | | Version 1 of the CCV for the drupal7 se... | Promote Remove |



redhat.

# Publish the CCV

Versions for Content View: drupal7 server CCV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/8/versions

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## Content Views

Filter... | Search | Showing 3 of 3 (3 Total) | 0 Selected | + Create New View

Name

- drupal7 server CCV
- RHEL 7 Server CV
- Web Server CV

### Composite Content View drupal7 server CCV

Publish New Version | Copy View | Remove View | Close

Versions | Content Views | History | Details | Tasks

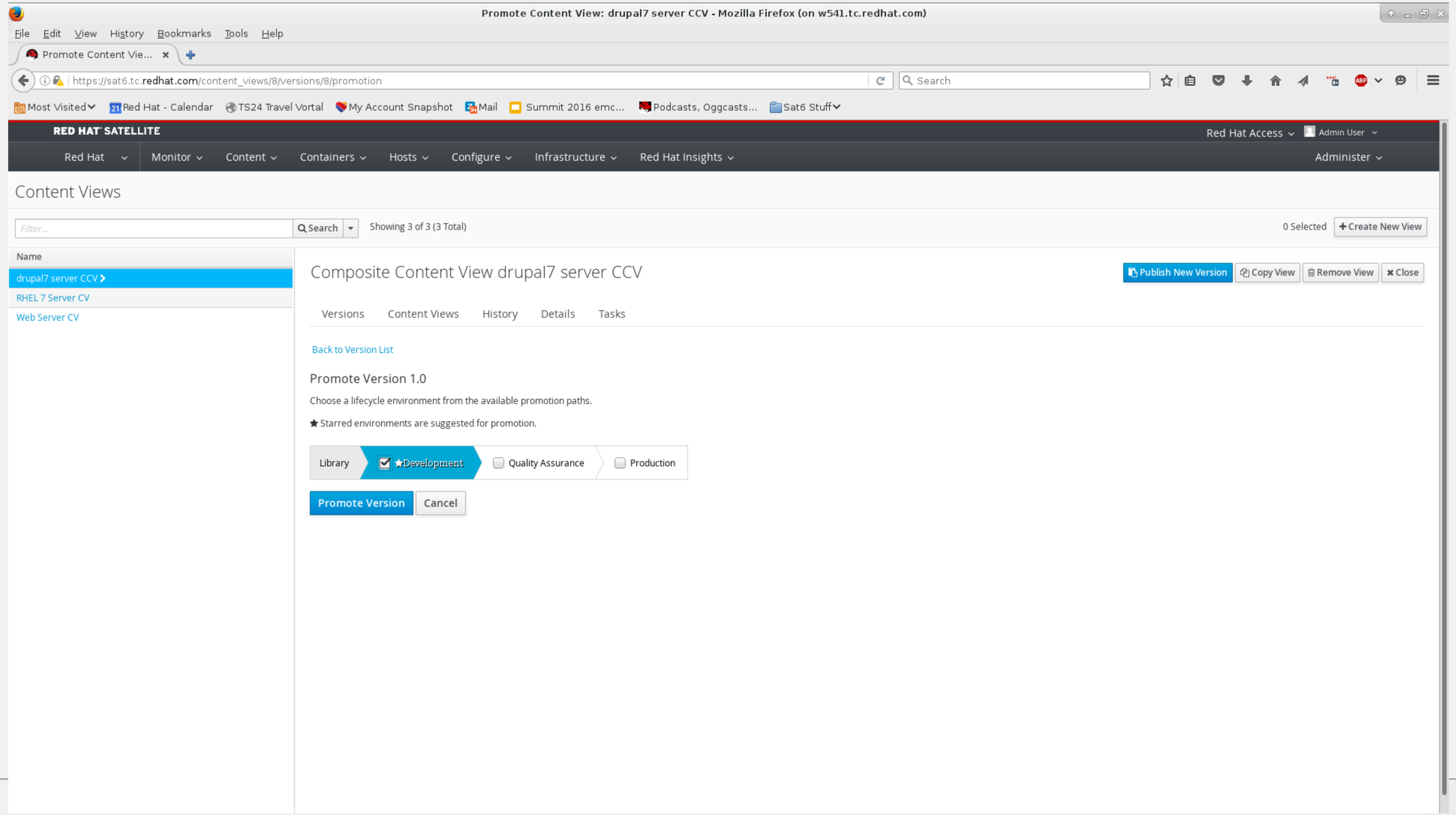
Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Published (2016-06-24 12:25:08 -0700) | Library | 11130 Packages<br>1237 Errata ( 283 796 158 )<br>3 Puppet Modules | Version 1 of the CCV for the drupal7 se... | Promote Remove |



redhat.

# Publish the CCV



# Publish the CCV

Versions for Content View: drupal7 server CCV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/8/versions

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

## Content Views

Filter... | Search | Showing 3 of 3 (3 Total) | 0 Selected | + Create New View

Name

- drupal7 server CCV
- RHEL 7 Server CV
- Web Server CV

### Composite Content View drupal7 server CCV

Publish New Version | Copy View | Remove View | Close

Versions | Content Views | History | Details | Tasks

Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Promoting to 1 environment. | Library<br>Development | 11130 Packages<br>1237 Errata ( 283 796 158 )<br>3 Puppet Modules | Version 1 of the CCV for the drupal7 se... | Promote Remove |



redhat.

# Publish the CCV

Versions for Content View: drupal7 server CCV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/8/versions

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

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

## Content Views

Filter... | Search | Showing 3 of 3 (3 Total) | 0 Selected | + Create New View

Name

- drupal7 server CCV
- RHEL 7 Server CV
- Web Server CV

### Composite Content View drupal7 server CCV

Publish New Version | Copy View | Remove View | Close

Versions | Content Views | History | Details | Tasks

Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Promoted to Development (2016-06-24 12:29:14 -0700) | Library<br>Development | 11130 Packages<br>1237 Errata ( 283 796 158 )<br>3 Puppet Modules | Version 1 of the CCV for the drupal7 se... | Promote Remove |



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# Publish the CCV

Versions for Content View: drupal7 server CCV - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Versions for Content ...

https://sat6.tc.redhat.com/content_views/8/versions

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

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

## Content Views

Filter... | Search | Showing 3 of 3 (3 Total) | 0 Selected | + Create New View

Name

- drupal7 server CCV
- RHEL 7 Server CV
- Web Server CV

### Composite Content View drupal7 server CCV

Publish New Version | Copy View | Remove View | Close

Versions | Content Views | History | Details | Tasks

Search... | Showing 1 of 1 (1 Total) | 0 Selected

| Version | Status | Environments | Content | Description | Actions |
|---|---|---|---|---|---|
| Version 1.0 | Promoted to Quality Assurance<br>(2016-06-24 12:30:48 -0700) | Library<br>Development<br>Quality Assurance | 11130 Packages<br>1237 Errata ( 283 796 158 )<br>3 Puppet Modules | Version 1 of the CCV for the drupal7 se... | Promote Remove |



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# Puppet Classes



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# What are puppet classes?

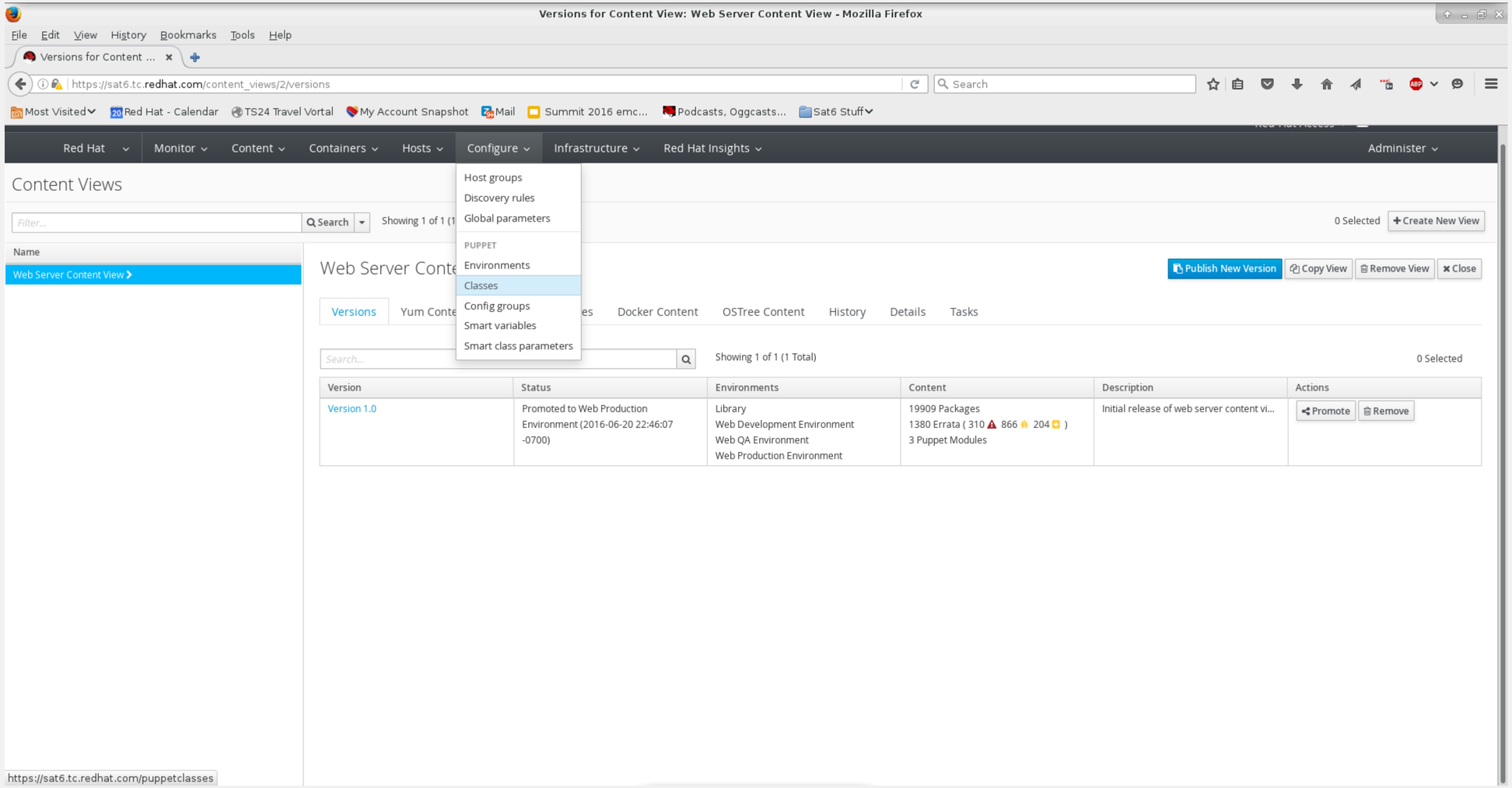
- “Puppet is a tool for applying and managing system configurations. Puppet collects system information, or facts, and uses this information to create a customized system configuration using a set of modules. These modules contain parameters, conditional arguments, actions, and templates. Puppet is used as either a local system command line tool or in a client-server relationship where the server acts as the Puppet master and applies configuration to multiple client systems using a Puppet agent. This provides a way to automatically configure newly provisioned systems, either individually or simultaneously to create a specific infrastructure.”
  - https://access.redhat.com/documentation/en/red-hat-satellite/6.2-beta/puppet-guide/chapter-1-overview

# What are puppet classes?

- “Puppet uses the following workflow to apply configuration to a system.
  - Collect facts about each system. These facts can include hardware, operating systems, package versions, and other information. The Puppet agent on each system collects this information and sends it to the Puppet master.
  - The Puppet master generates a custom configuration for each system and sends it to the Puppet agent. This custom configuration is called a catalog.
  - The Puppet agent applies the configuration to the system.
  - The Puppet agent sends a report back to the Puppet master that indicates the changes applied and if any changes were unsuccessful.
  - Third-party applications can collect these reports using Puppet's API. ”

- https://access.redhat.com/documentation/en/red-hat-satellite/6.2-beta/puppet-guide/chapter-1-overview

# Navigate to Configure/Classes



# Choose the motd class

Puppet classes - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Puppet classes

https://sat6.tc.redhat.com/puppetclasses

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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## Puppet classes

Filter ... | Search

Import from sat6.tc.redhat.com | Documentation

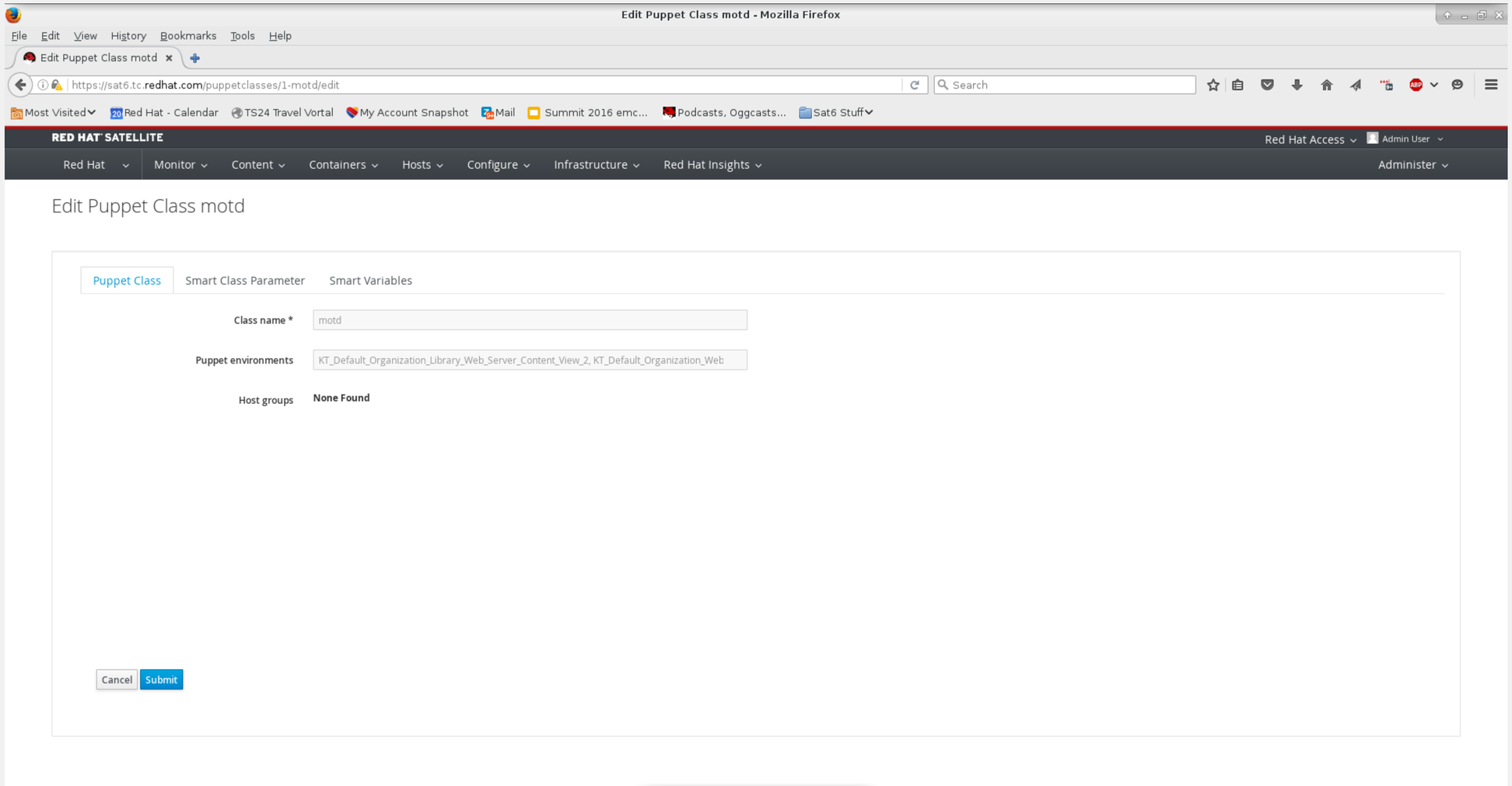
| Class name | Environments and documentation | Host groups | Hosts | Parameters | Variables | Actions |
|---|---|---|---|---|---|---|
| access_insights_client | KT_Default_Organization_Library_Web_Server_Content_View_2<br>KT_Default_Organization_Web_Development_Environment_Web_Server_Content_View_2<br>KT_Default_Organization_Web_Production_Environment_Web_Server_Content_View_2<br>KT_Default_Organization_Web_QA_Environment_Web_Server_Content_View_2 | | 0 | 13 | 0 | Delete |
| motd | KT_Default_Organization_Library_Web_Server_Content_View_2<br>KT_Default_Organization_Web_Development_Environment_Web_Server_Content_View_2<br>KT_Default_Organization_Web_Production_Environment_Web_Server_Content_View_2<br>KT_Default_Organization_Web_QA_Environment_Web_Server_Content_View_2 | | 0 | 3 | 0 | Delete |
| stdlib | KT_Default_Organization_Library_Web_Server_Content_View_2<br>KT_Default_Organization_Web_Development_Environment_Web_Server_Content_View_2<br>KT_Default_Organization_Web_Production_Environment_Web_Server_Content_View_2<br>KT_Default_Organization_Web_QA_Environment_Web_Server_Content_View_2 | | 0 | 0 | 0 | Delete |
| stdlib::stages | KT_Default_Organization_Library_Web_Server_Content_View_2<br>KT_Default_Organization_Web_Development_Environment_Web_Server_Content_View_2<br>KT_Default_Organization_Web_Production_Environment_Web_Server_Content_View_2<br>KT_Default_Organization_Web_QA_Environment_Web_Server_Content_View_2 | | 0 | 0 | 0 | Delete |

Displaying **all 4** entries



redhat.

# Choose the motd class



# Look at the content of the class

Edit Puppet Class motd - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Edit Puppet Class motd

https://sat6.tc.redhat.com/puppetclasses/1-motd/edit#3-content

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

## Edit Puppet Class motd

Puppet Class | Smart Class Parameter | Smart Variables

Filter by name

All environments - (not filtered)

Documentation

- content
- dynamic motd
- template

### Parameter details

Key * content

Description

Puppet Environments KT_Default_Organization_Library_Web_Server_Content_View_2, KT_Default_Organization_Web_Development_Environment_Web_Server_Conter

### Default behavior

Override the default value of the Puppet class parameter.

Override

Key type string

Default value

Use Puppet default

Hidden value

› Optional input validator

Cancel | Submit



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# Override the default behavior and add your own string

Edit Puppet Class motd - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Edit Puppet Class motd

https://sat6.tc.redhat.com/puppetclasses/1-motd/edit#3-content

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

## Edit Puppet Class motd

Puppet Class | Smart Class Parameter | Smart Variables

Filter by name

All environments - (not filtered)

Documentation

content

dynamic motd

template

### Parameter details

Key * content

Description

Puppet Environments KT_Default_Organization_Library_Web_Server_Content_View_2, KT_Default_Organization_Web_Development_Environment_Web_Server_Conter

### Default behavior

Override the default value of the Puppet class parameter.

Override ☑

Key type string

Default value This is a private system. Trespassers will be violated.

Use Puppet default ☐ Hidden value ☐

› Optional input validator

Prioritize attribute order



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# Submit your change

Edit Puppet Class motd - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Edit Puppet Class motd

https://sat6.tc.redhat.com/puppetclasses/1-motd/edit#3-content

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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

Puppet Environments: KT_Default_Organization_Library_Web_Server_Content_View_2, KT_Default_Organization_Web_Development_Environment_Web_Server_Conter

## Default behavior

Override the default value of the Puppet class parameter.

Override: ☑

Key type: string

Default value: This is a private system. Trespassers will be violated.

Use Puppet default: ☐ Hidden value: ☐

## Optional input validator

## Prioritize attribute order

Set the order in which values are resolved.

Order:
fqdn
hostgroup
os
domain

Merge overrides ☐ Merge default ☐ Avoid duplicates ☐

## Specify matchers

Documentation

+ Add Matcher

Cancel Submit



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# Domains

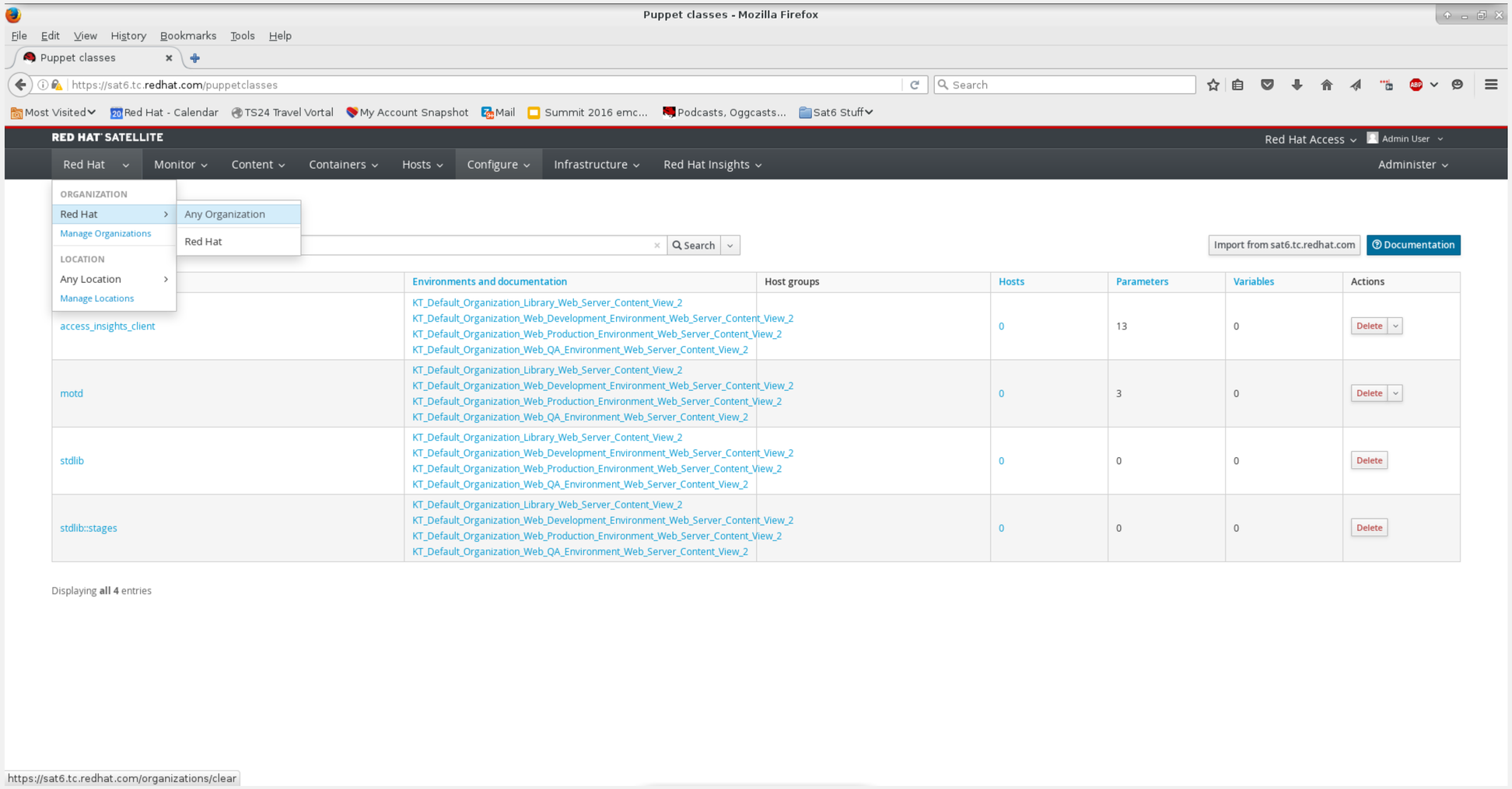


redhat.

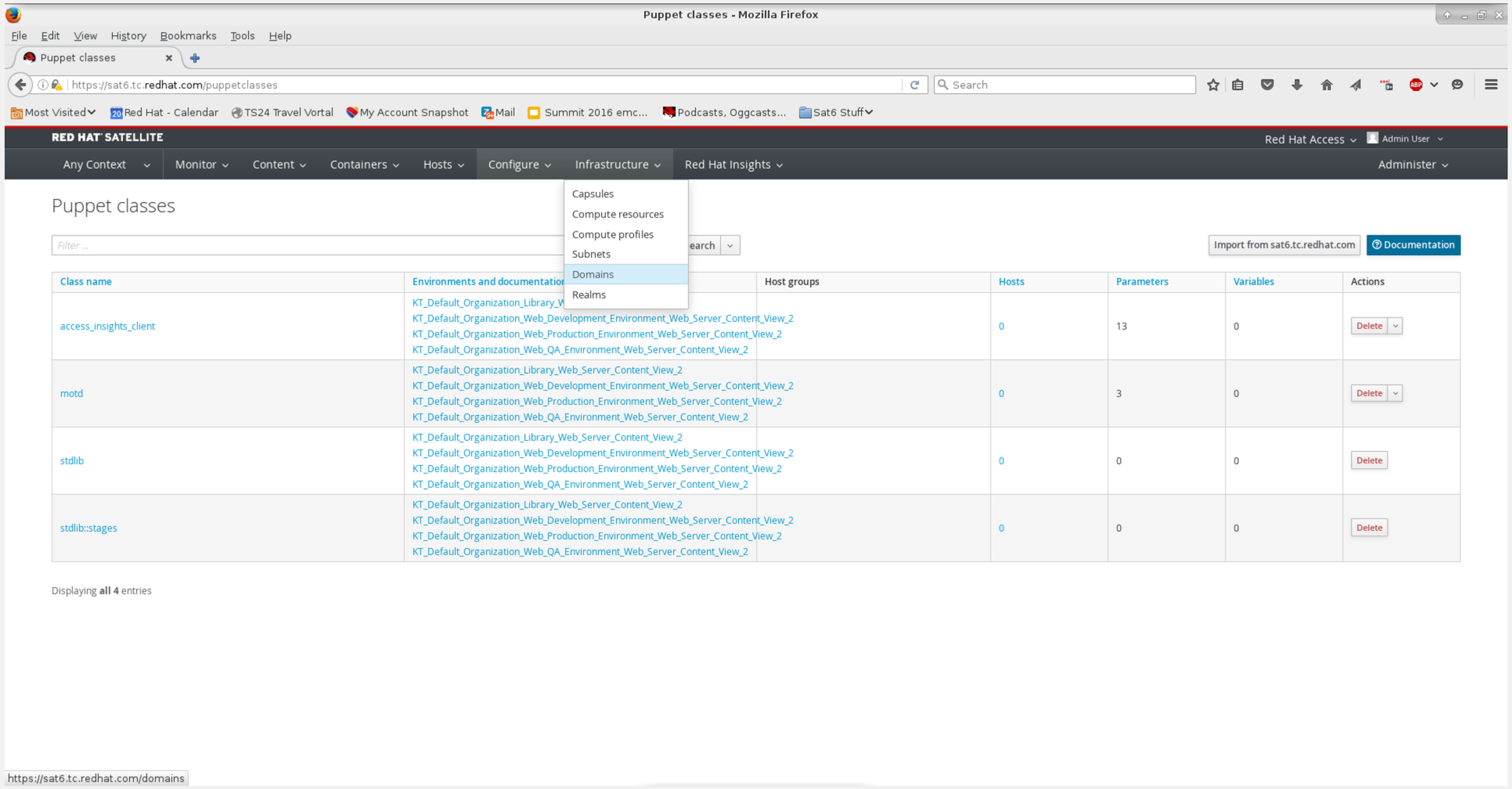
# What are domains?

- The Satellite server as configured in this example manages DNS. You need to define the DNS zones (domains) and configure them so that the Satellite server can dynamically update the zone files.
- DNS domains are not initially associated with any one organization.

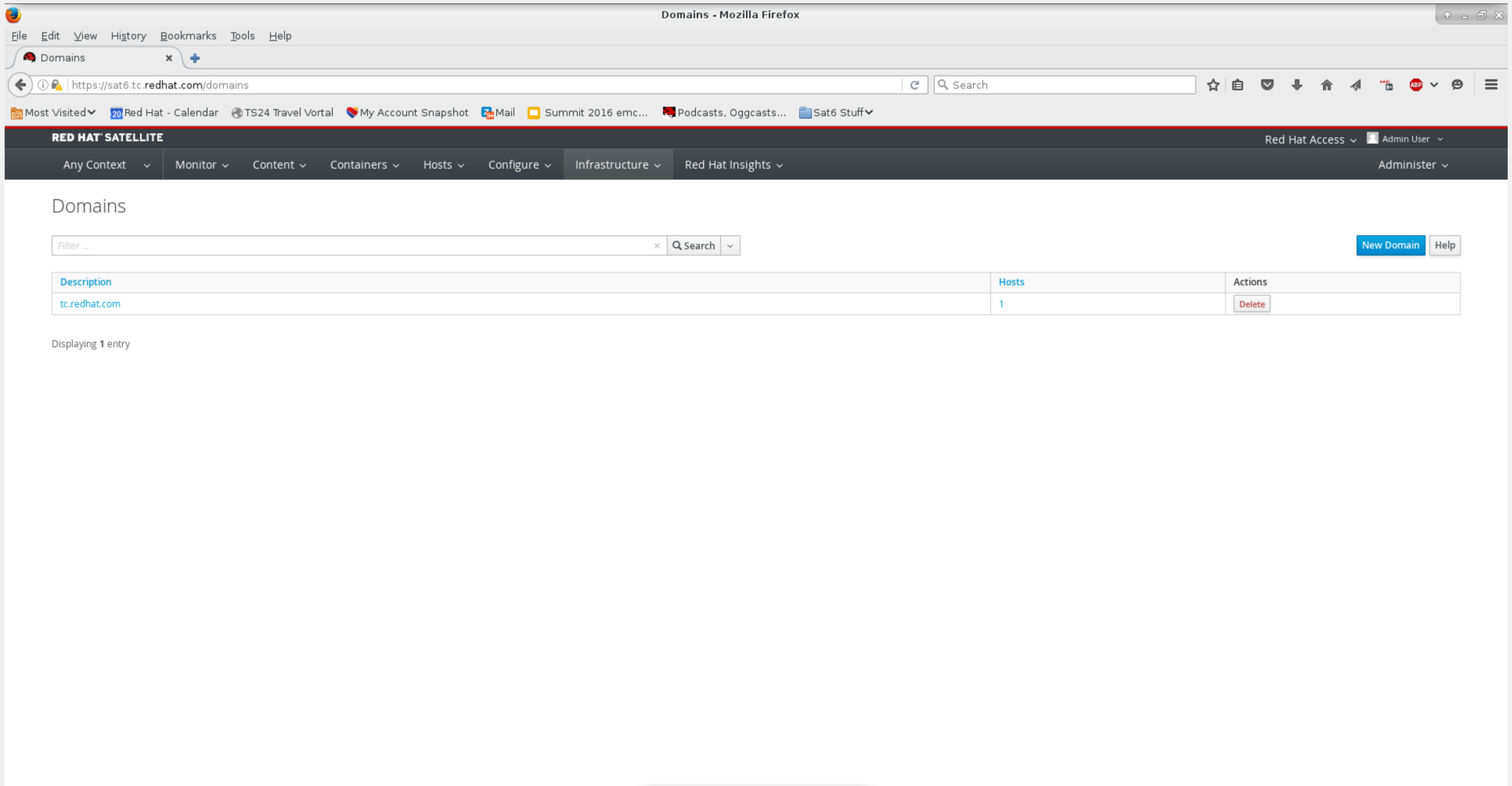
# Choose Any Organization



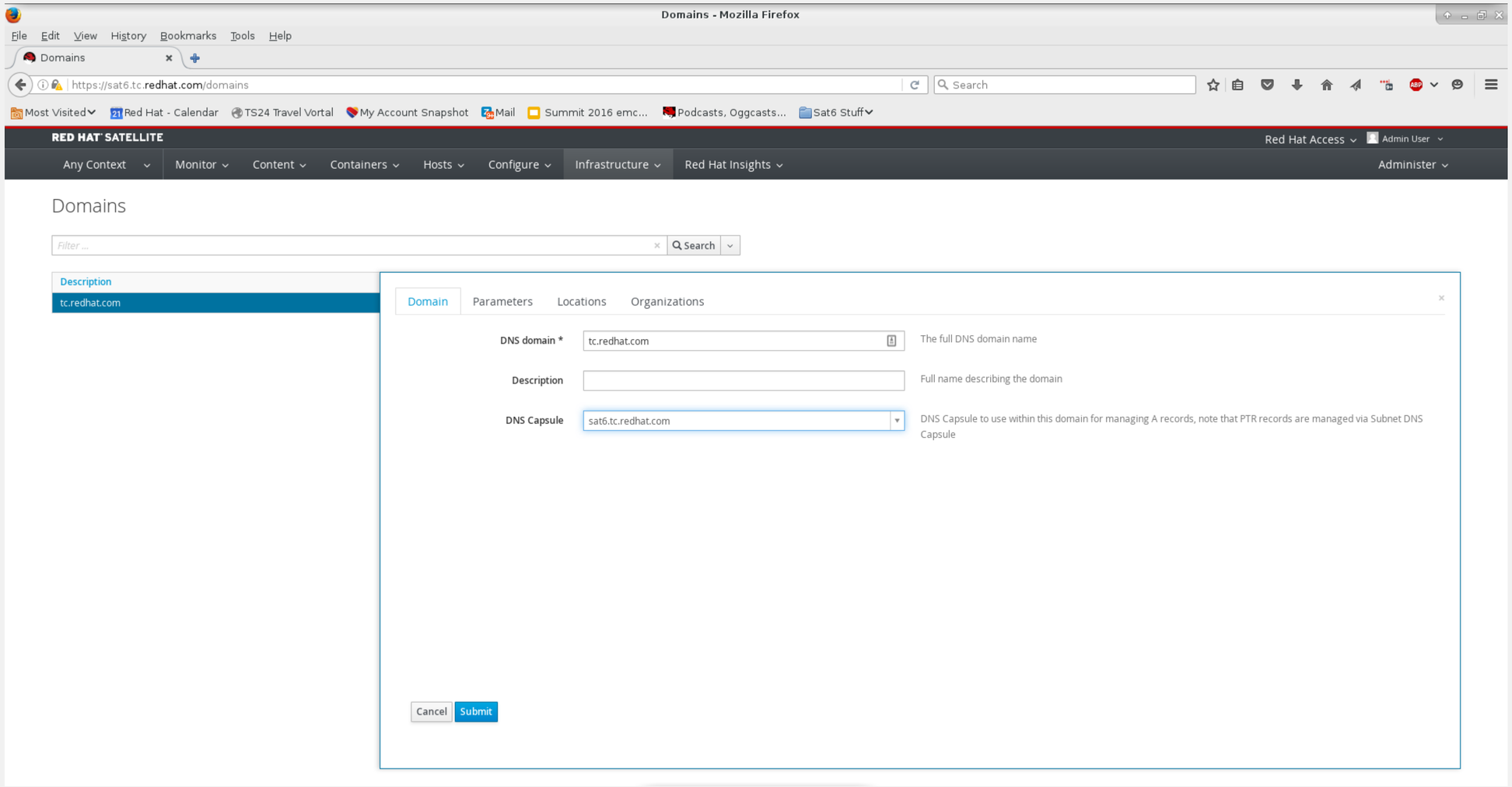
# Navigate to Infrastructure/Domains



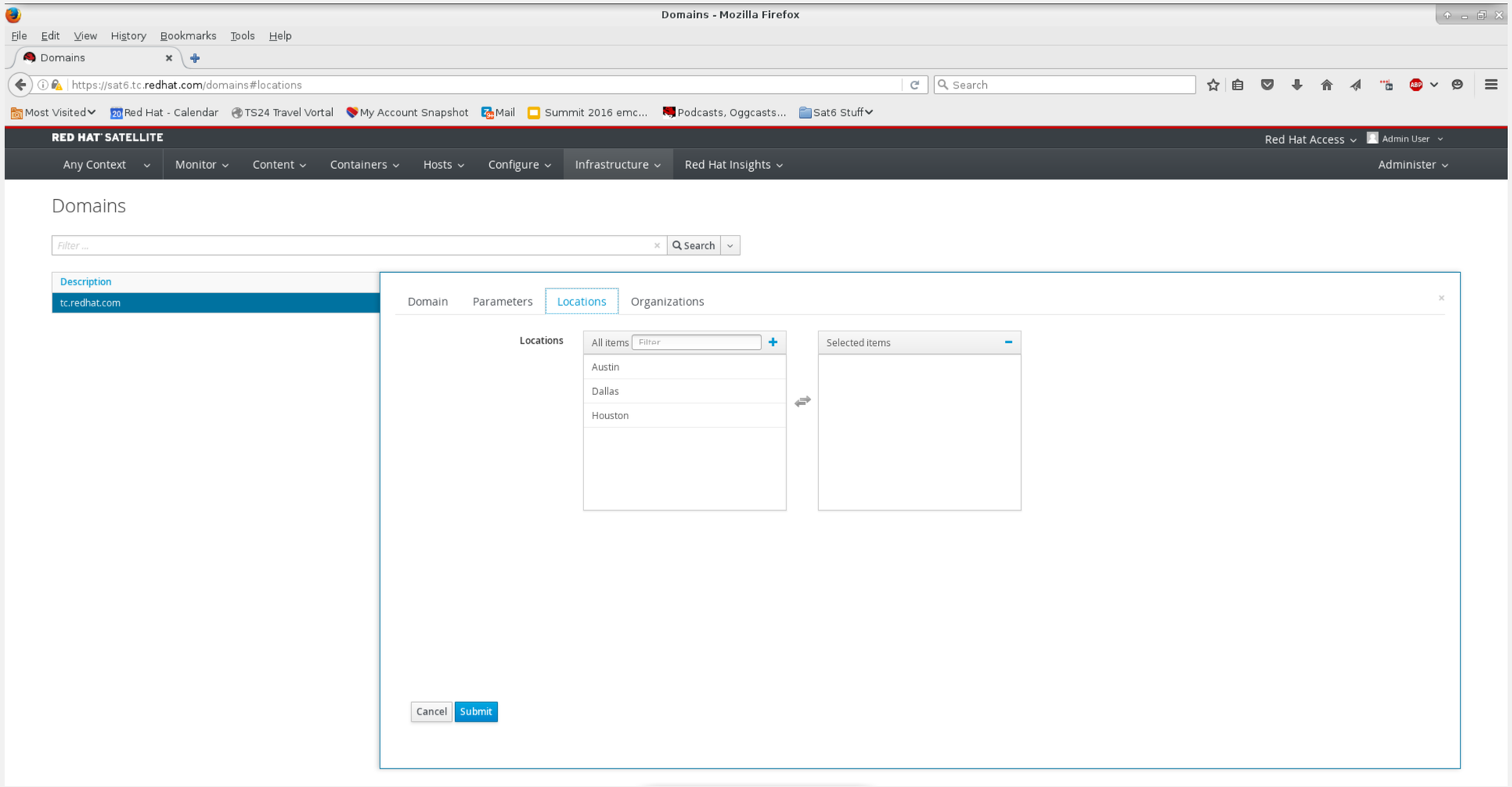
# Select the domain you defined when installing



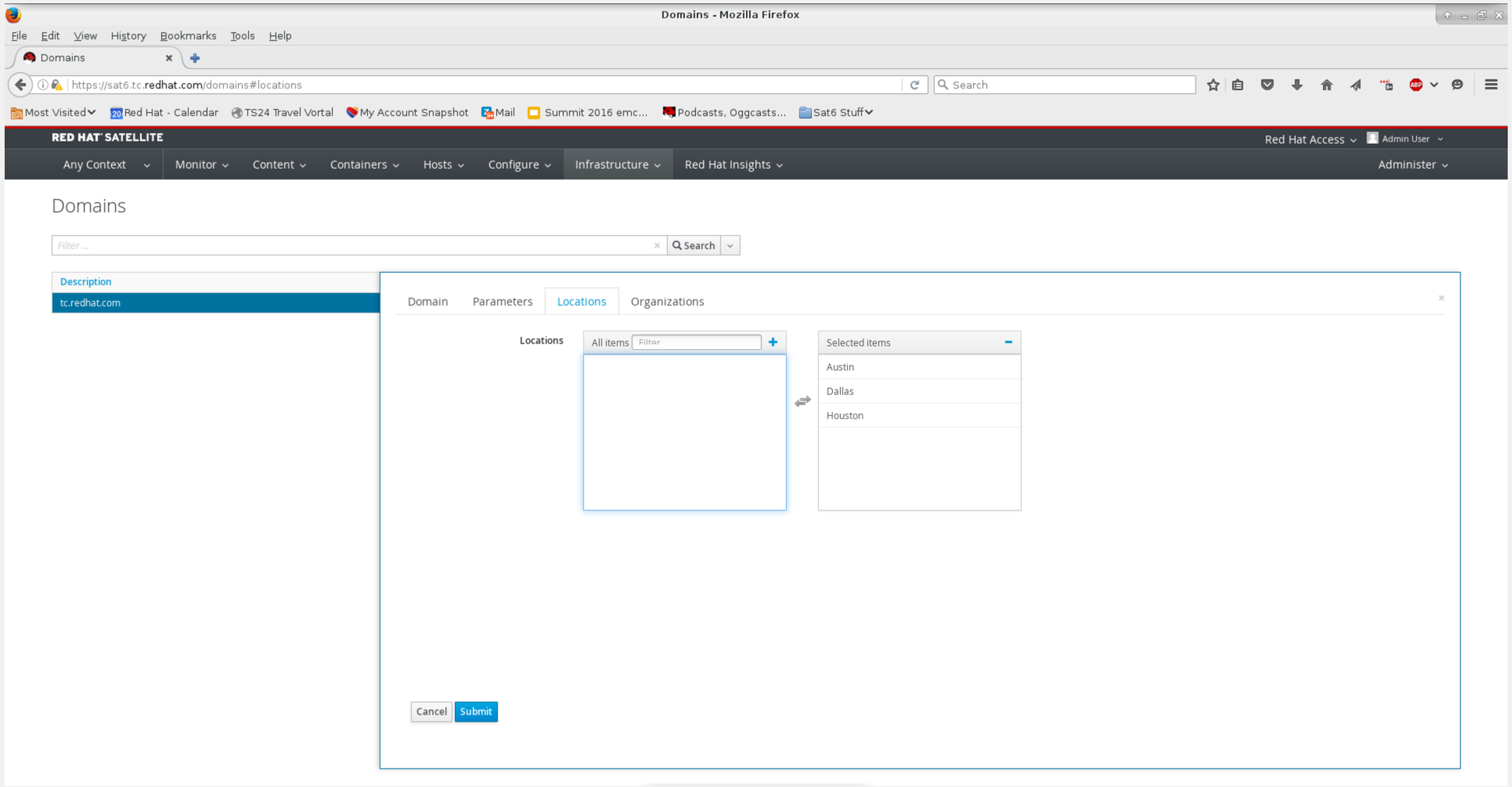
# Set the DNS capsule to your Satellite server



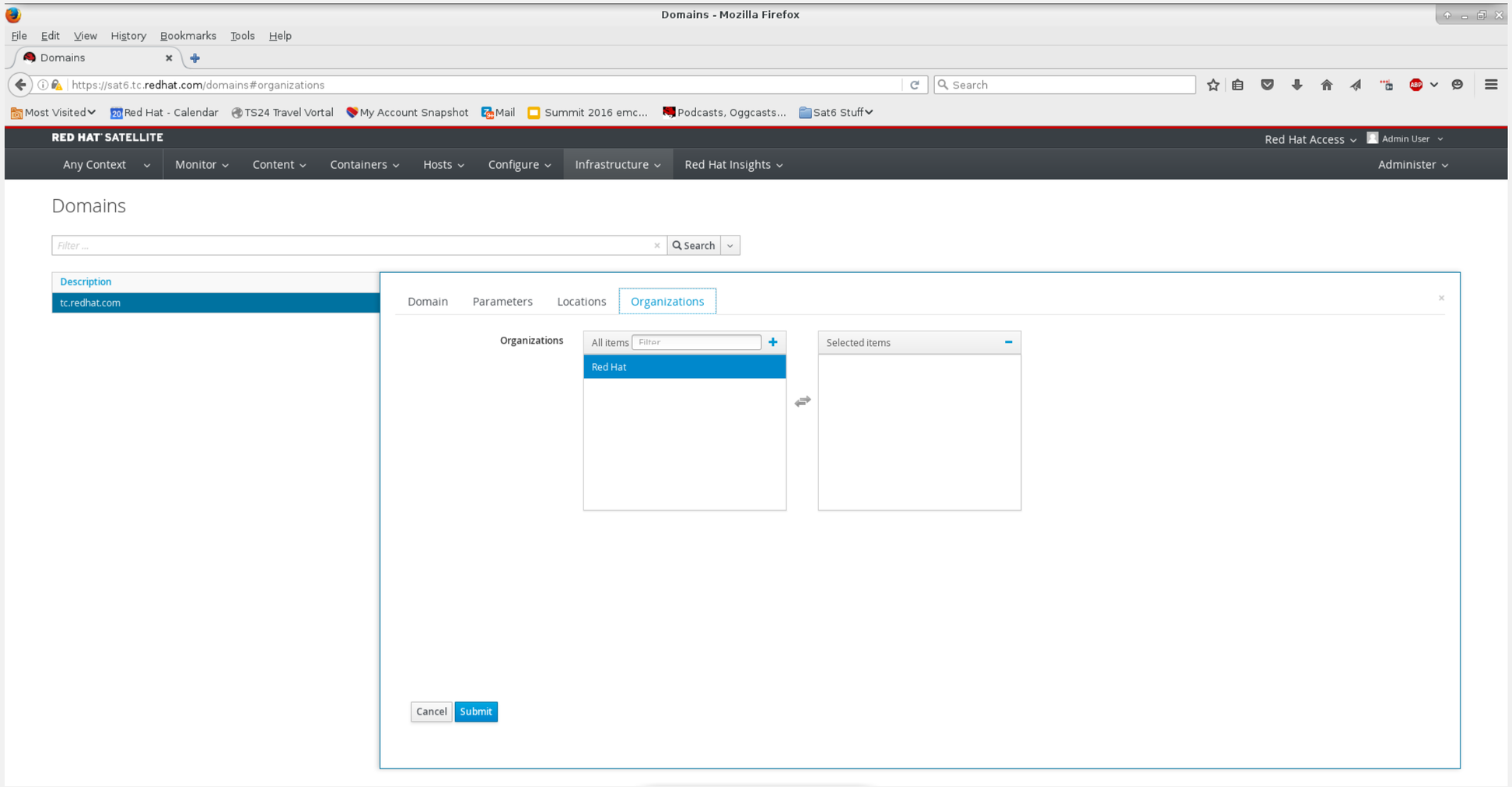
# Make this domain available to all your locations



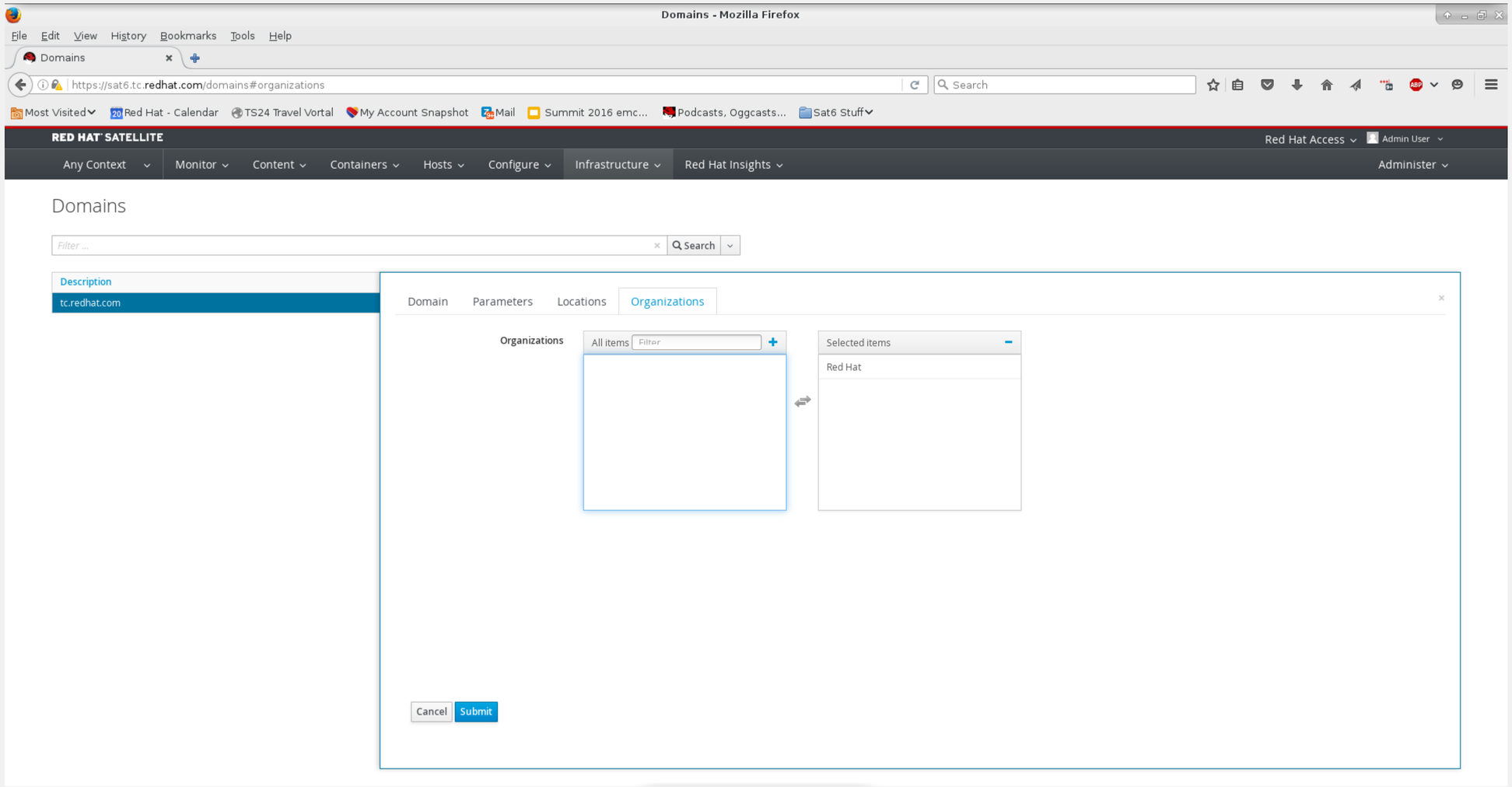
# Make this domain available to all your locations



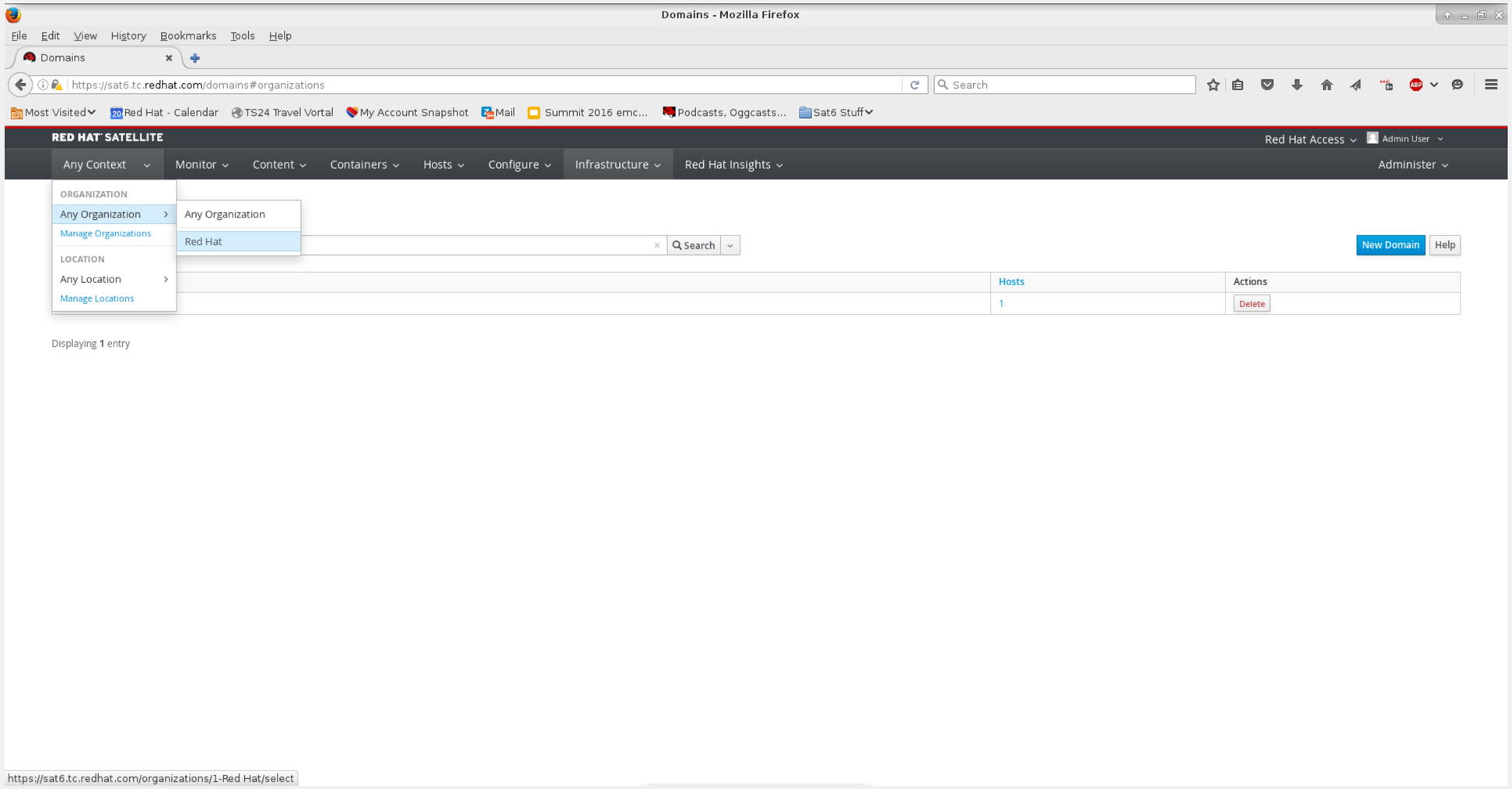
# Make the domain available to your organization



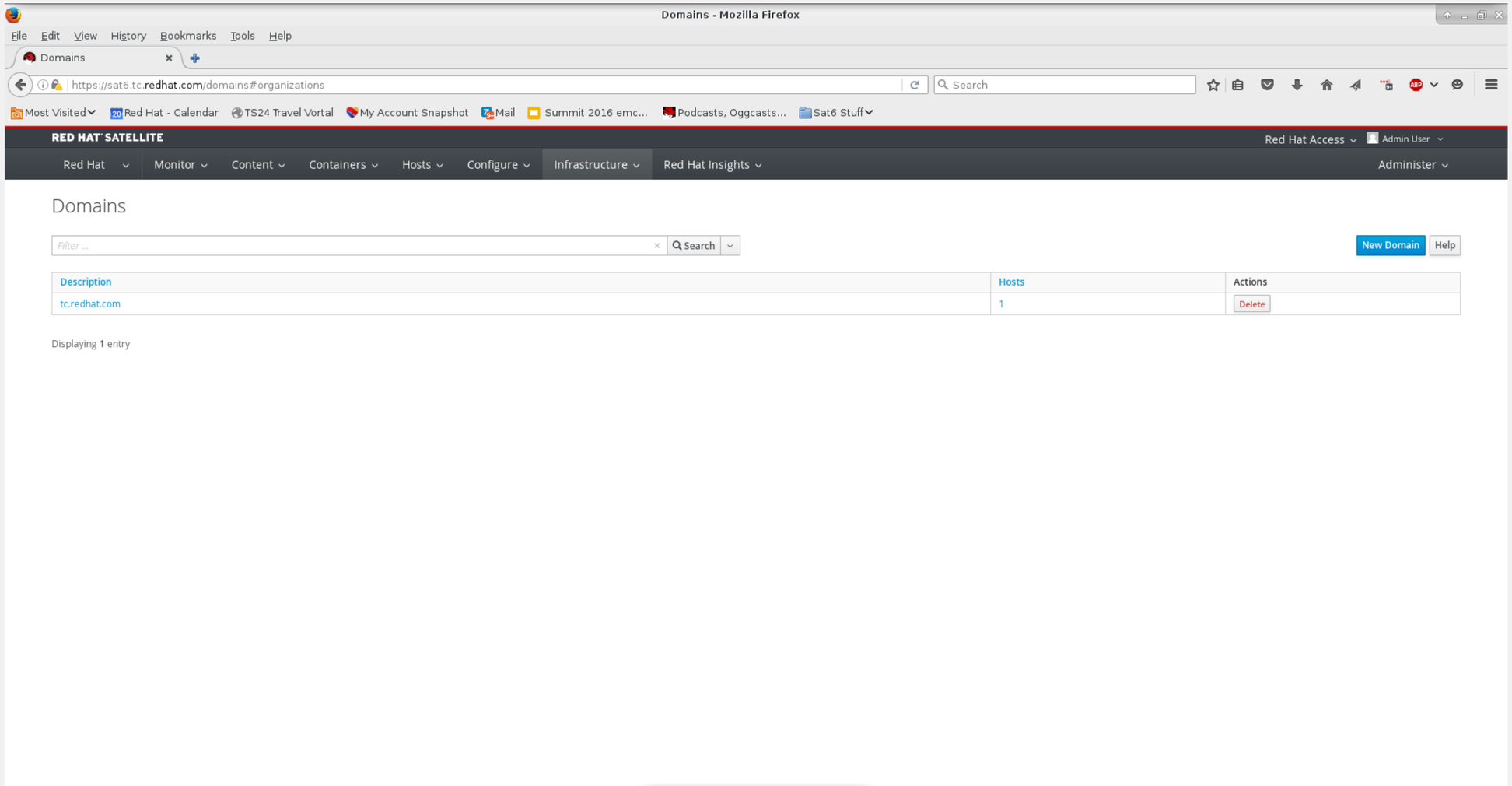
# Make the domain available to your organization



# Now change your view to your organization



# Now the domain is visible there



# Subnets



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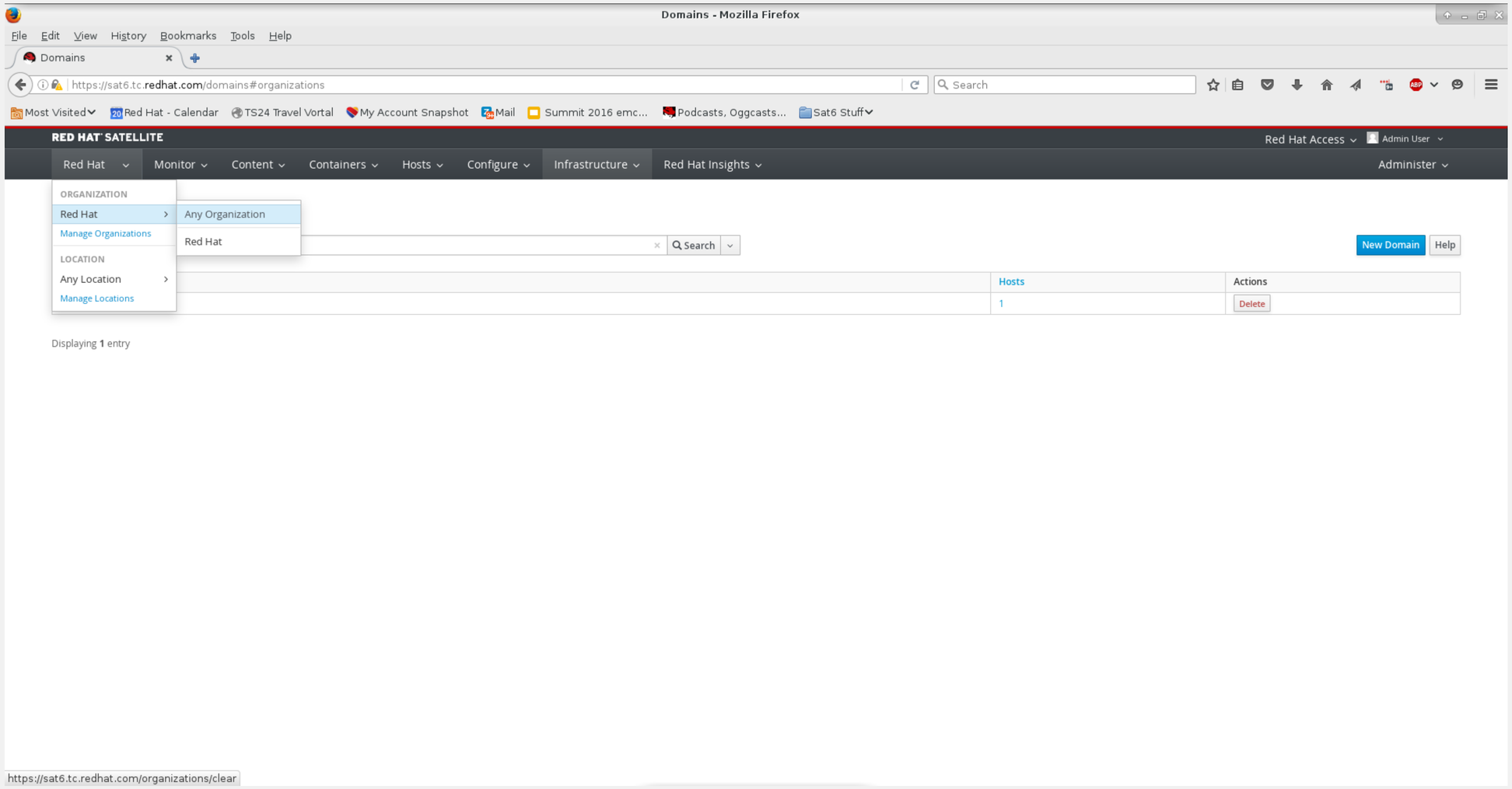
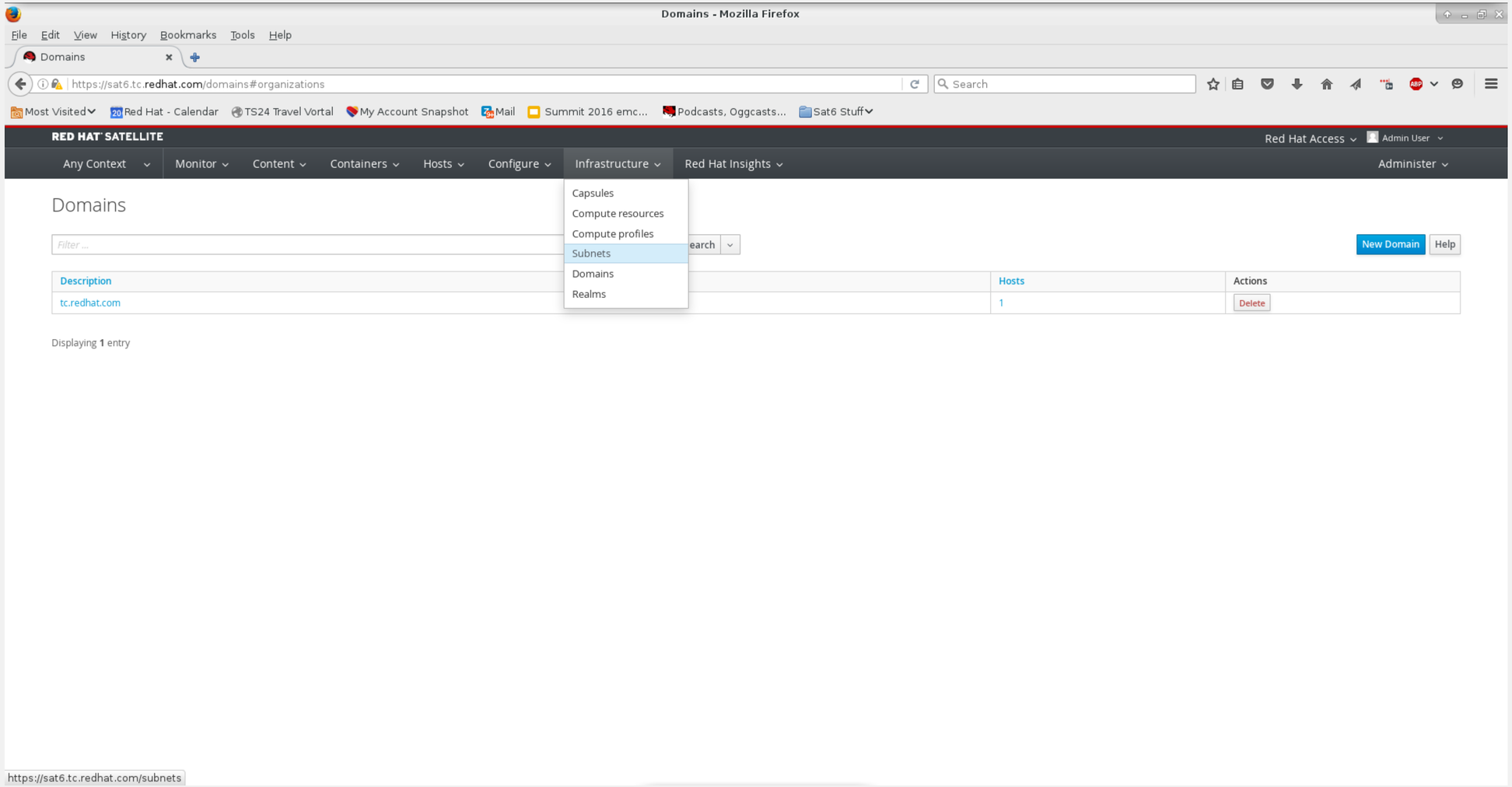
# What are subnets?

- The Satellite server is capable of custom, per-subnet configurations for things like kickstarts. In order to customize those configurations, you have to define the subnets.

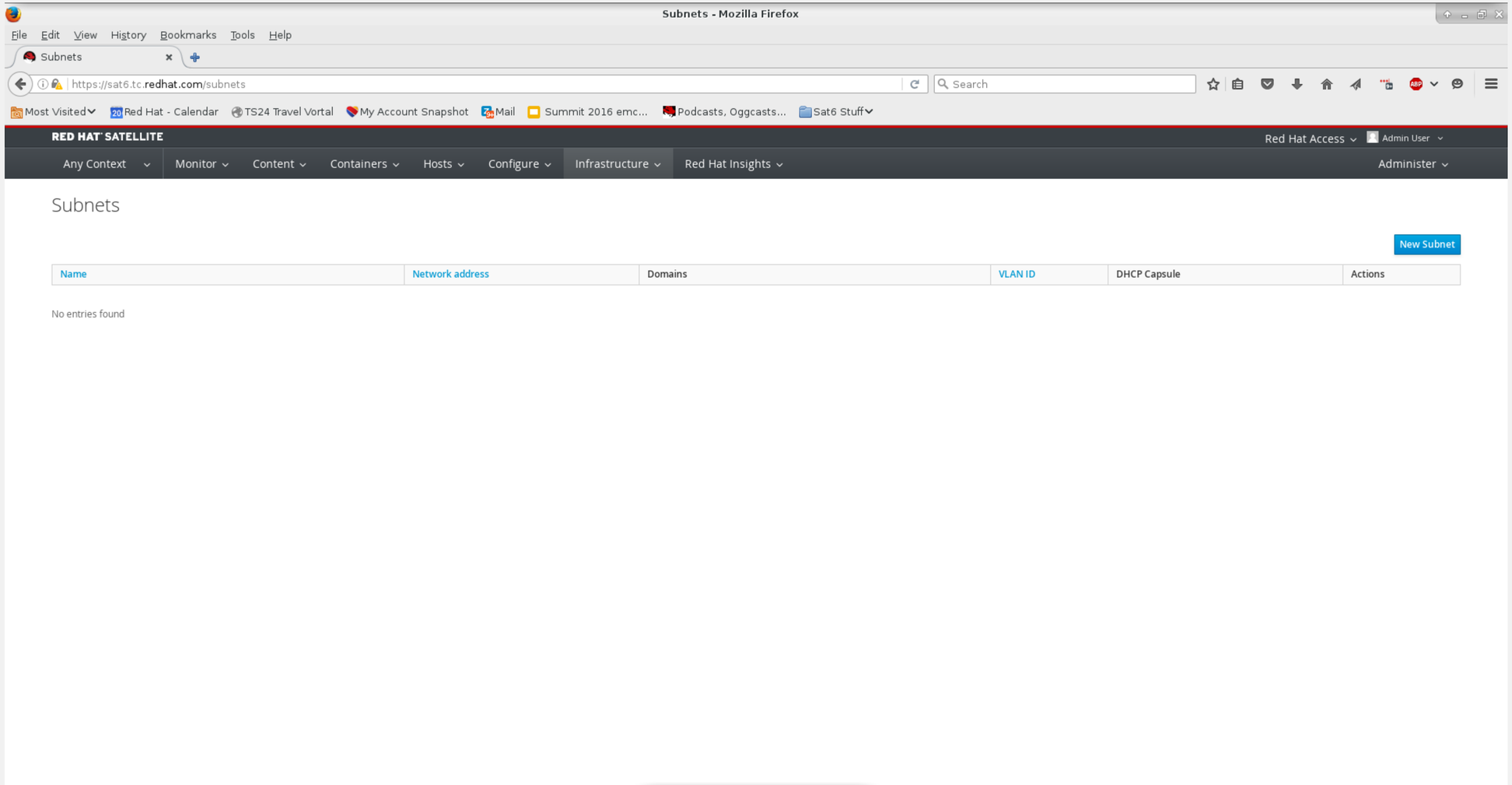
# First, change your view to Any Organization



# Go to Infrastructure/Subnets



# Click New Subnet



# Fill out the info

Subnets - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Subnets

https://sat6.tc.redhat.com/subnets

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Any Context | Monitor | Content | Containers | Hosts | Configure | Infrastructure | Red Hat Insights | Administer

Subnets

Name

Subnet | Remote Execution | Domains | Capsules | Locations | Organizations

| | | |
|---|---|---|
| Name * | Austin Subnet | |
| Network address * | 192.168.124.0 | |
| Network mask * | 255.255.255.0 | Netmask for this subnet |
| Gateway address | 192.168.124.1 | Optional: Gateway for this subnet |
| Primary DNS server | 192.168.124.30 | Optional: Primary DNS for this subnet |
| Secondary DNS server | | Optional: Secondary DNS for this subnet |
| IPAM | DHCP | IP Address Management |
| Start of IP range | 192.168.124.100 | Optional: Starting IP Address for IP auto suggestion |
| End of IP range | 192.168.124.254 | Optional: Ending IP Address for IP auto suggestion |
| VLAN ID | | Optional: VLAN ID for this subnet |
| Boot mode | DHCP | Default boot mode for interfaces assigned to this subnet |

Cancel | Submit



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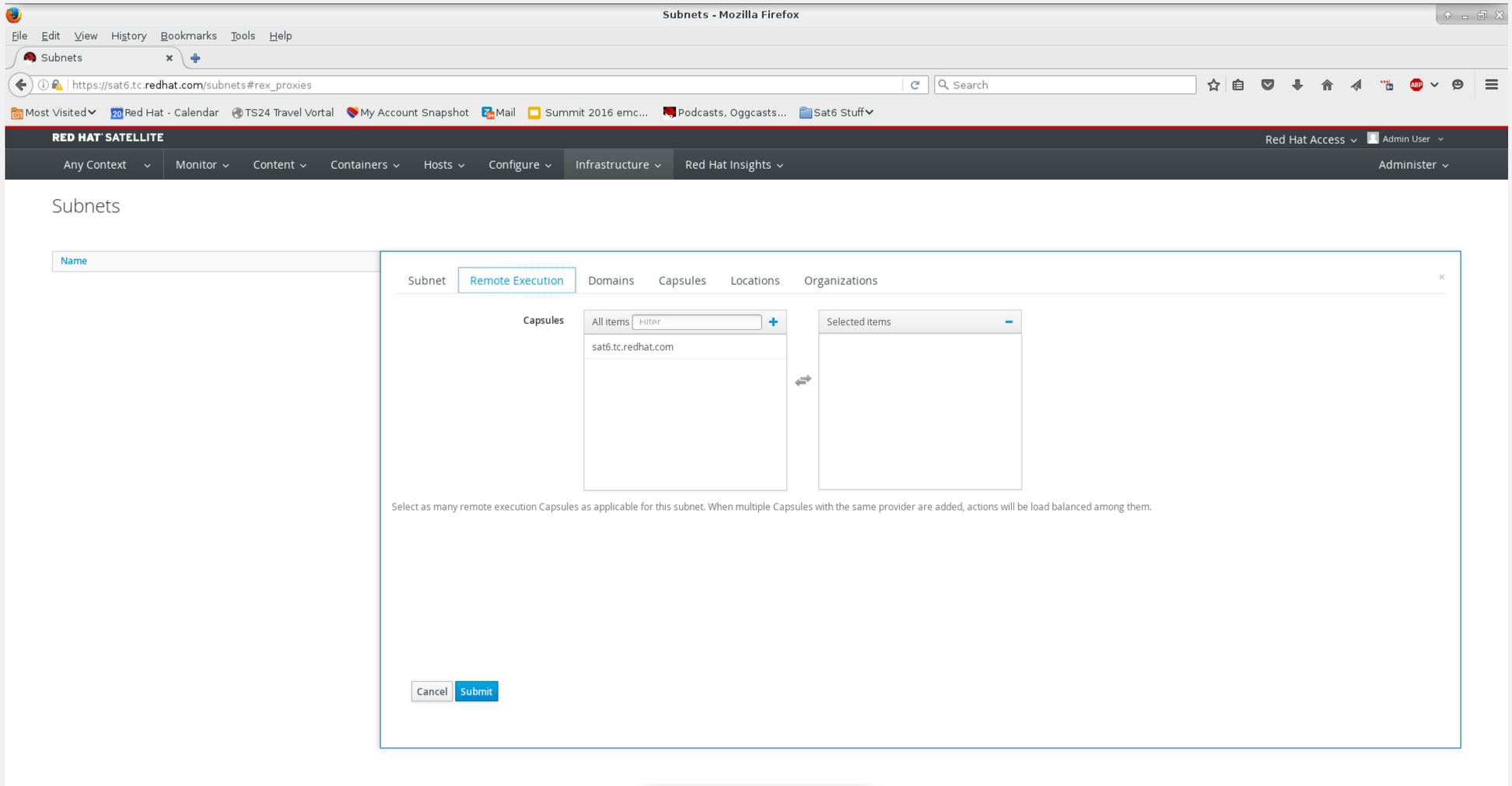
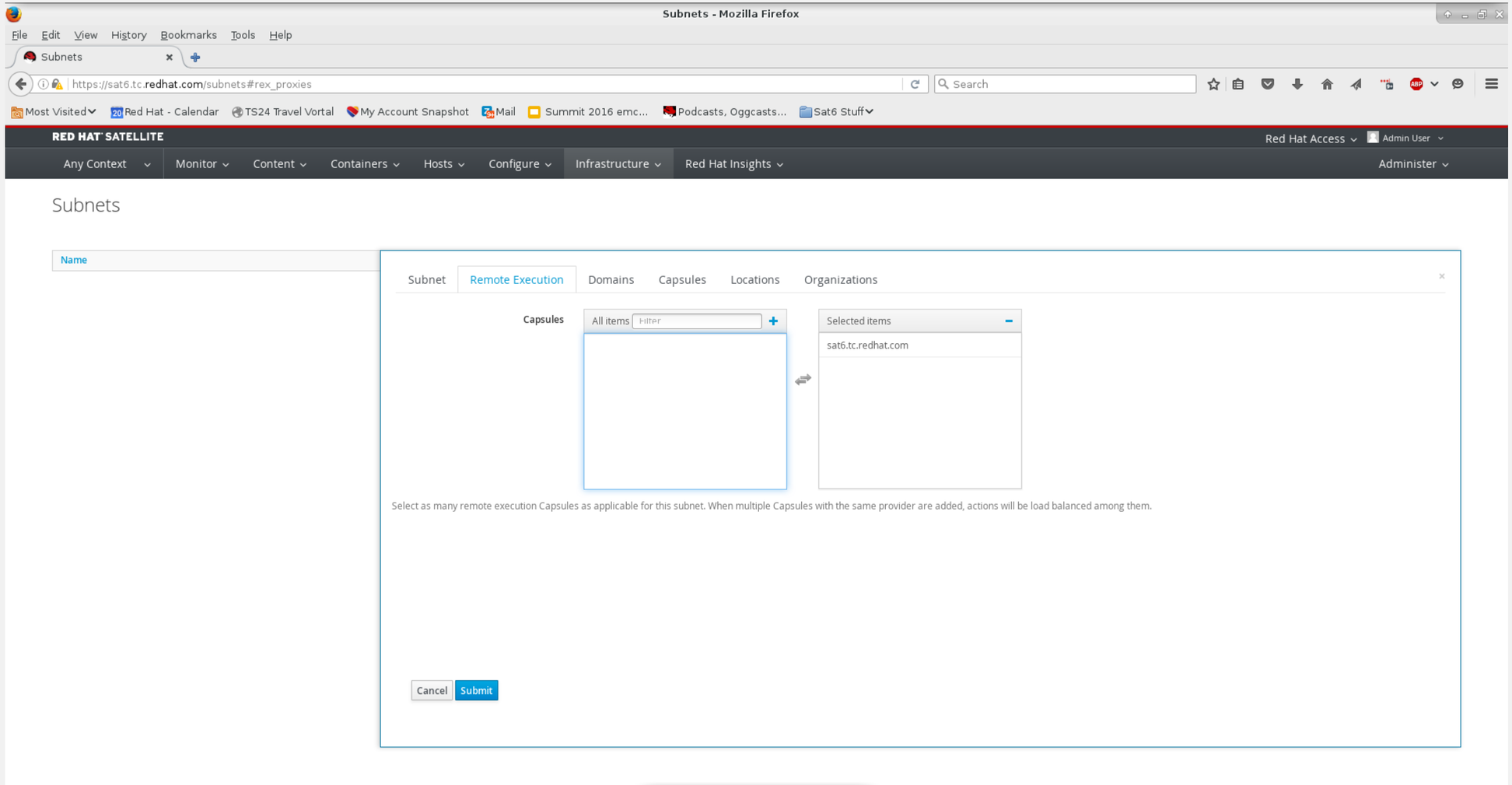
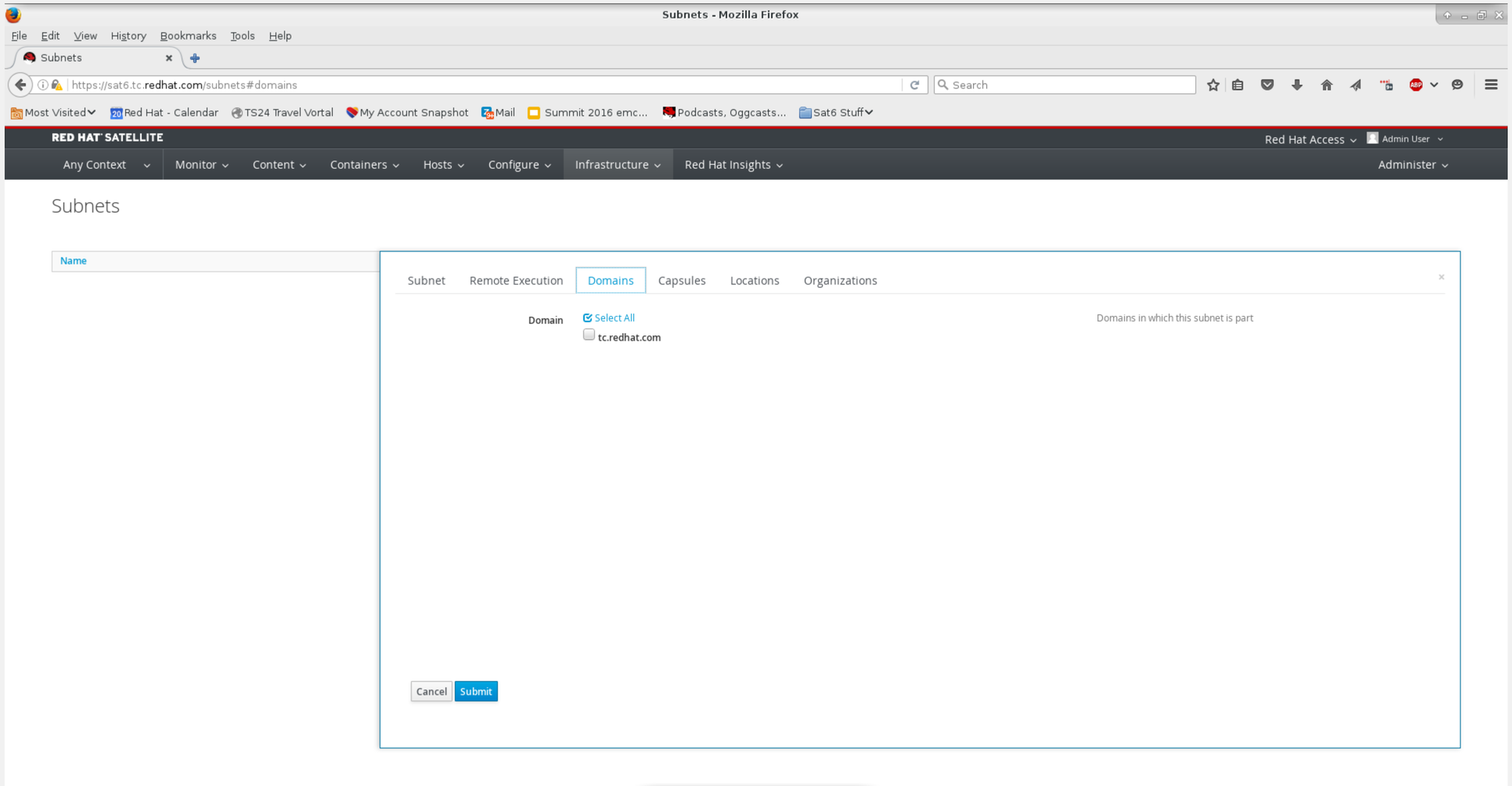
# Enable remote execution



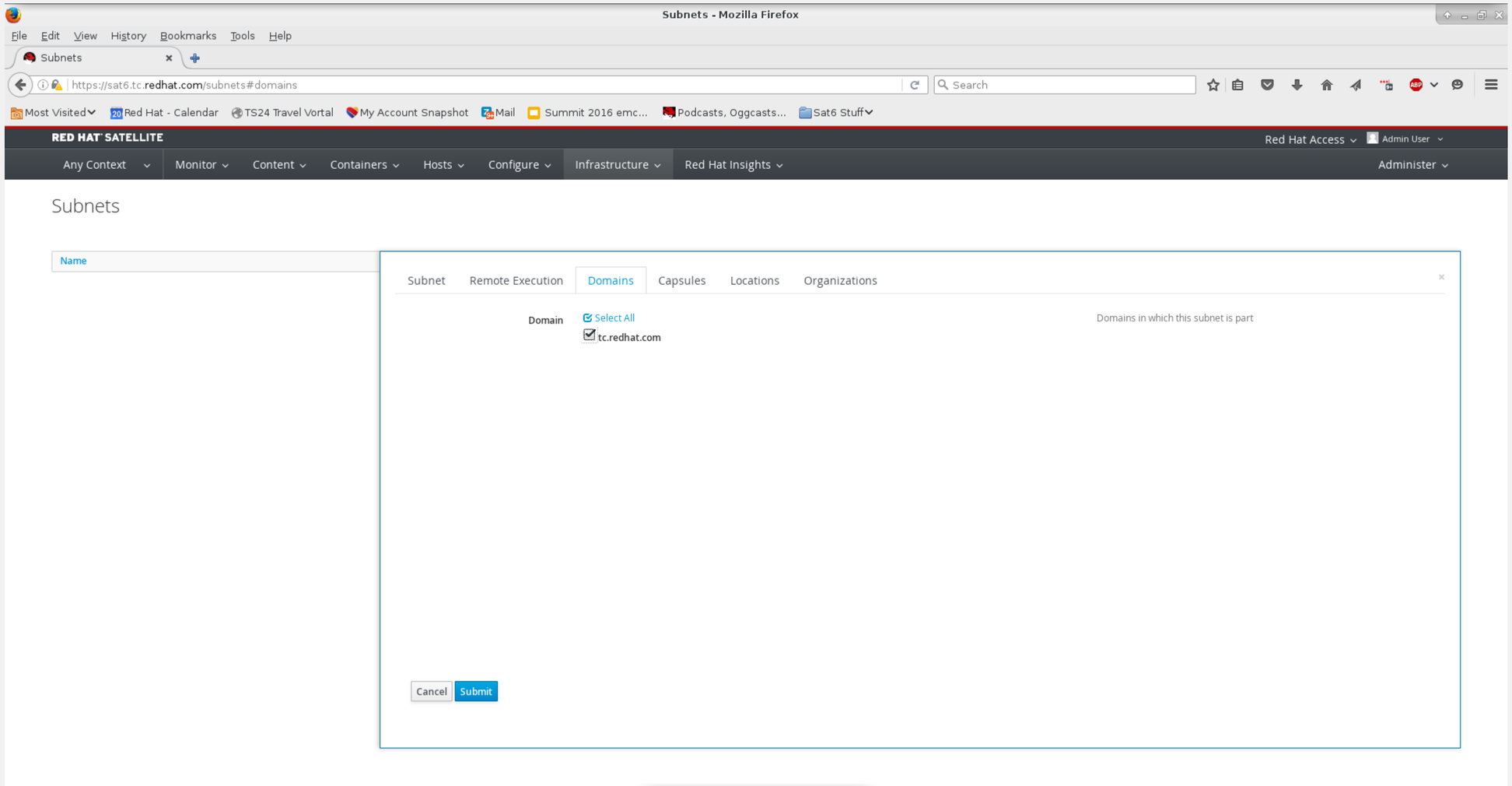
# Enable remote execution



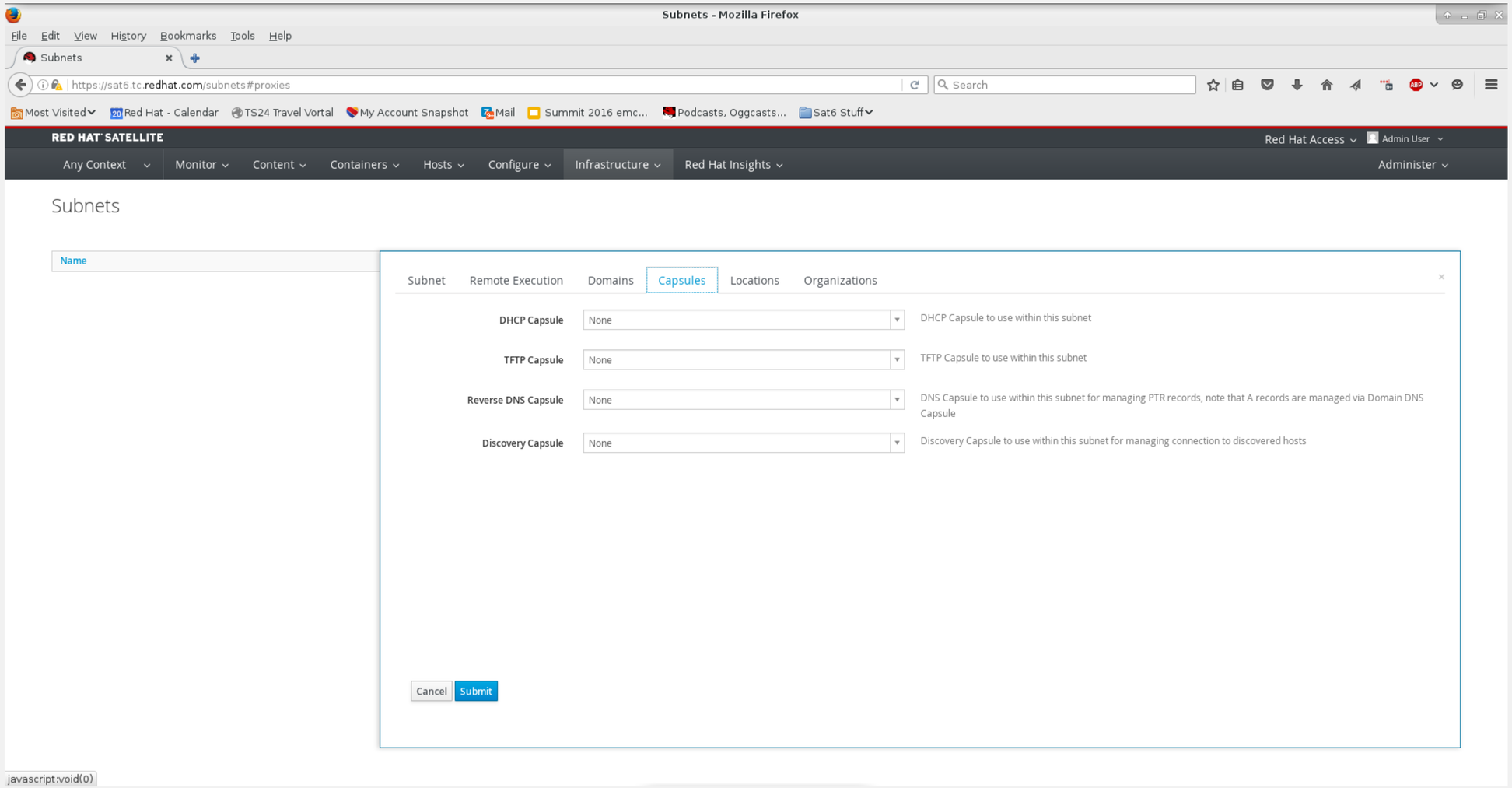
# Check the box for the domain



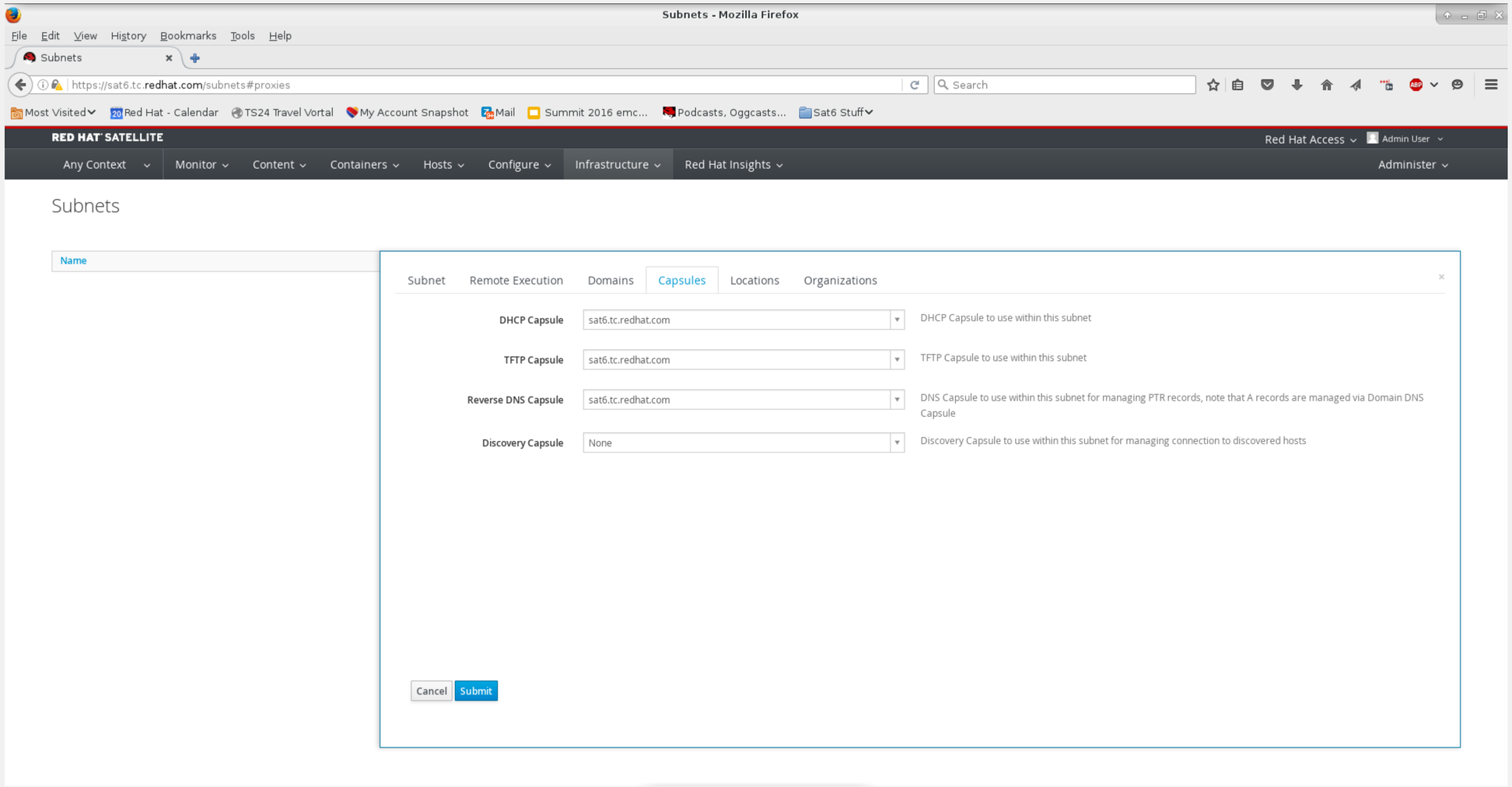
# Check the box for the domain



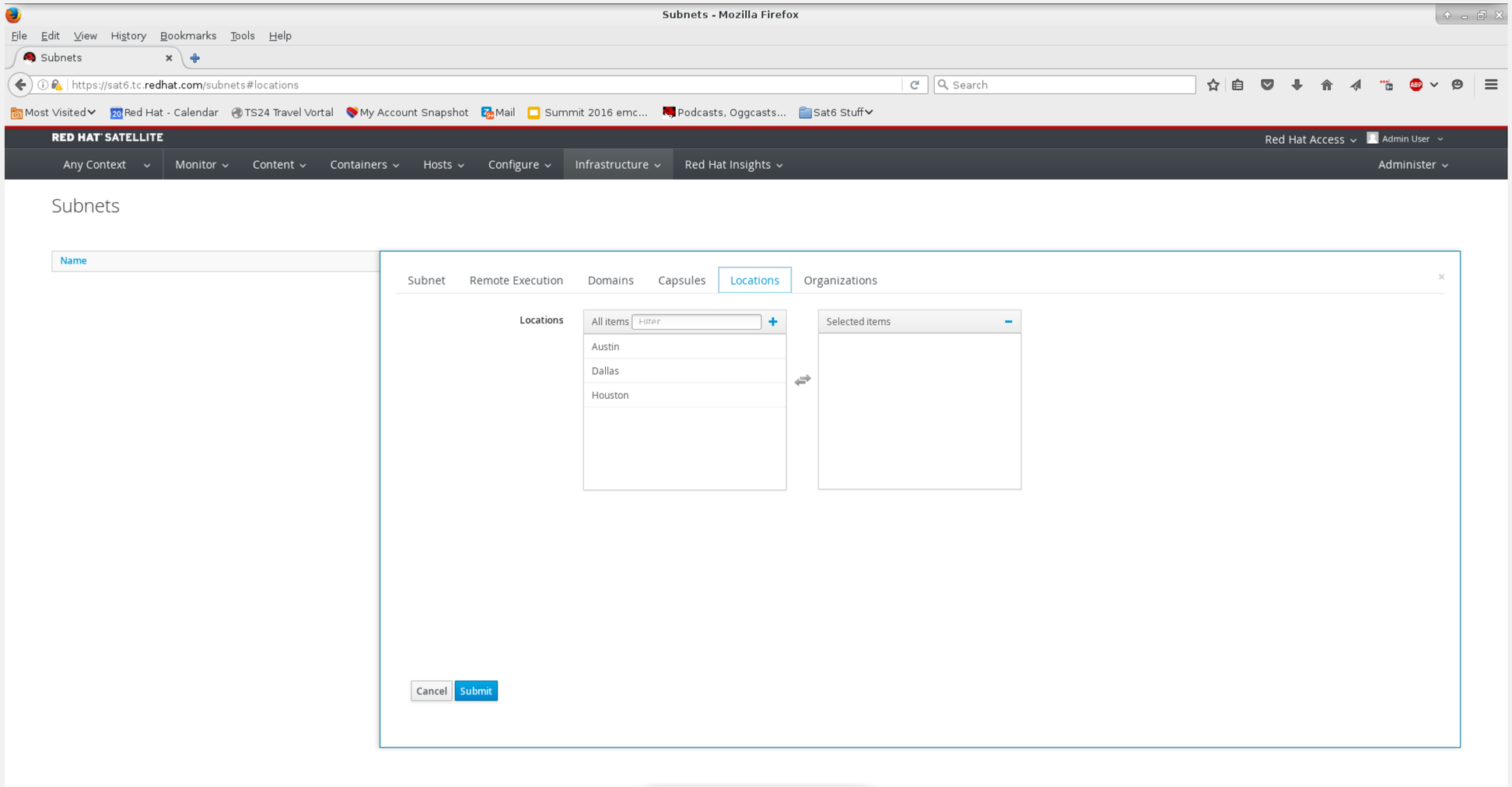
# Select the capsule which will manage the subnet



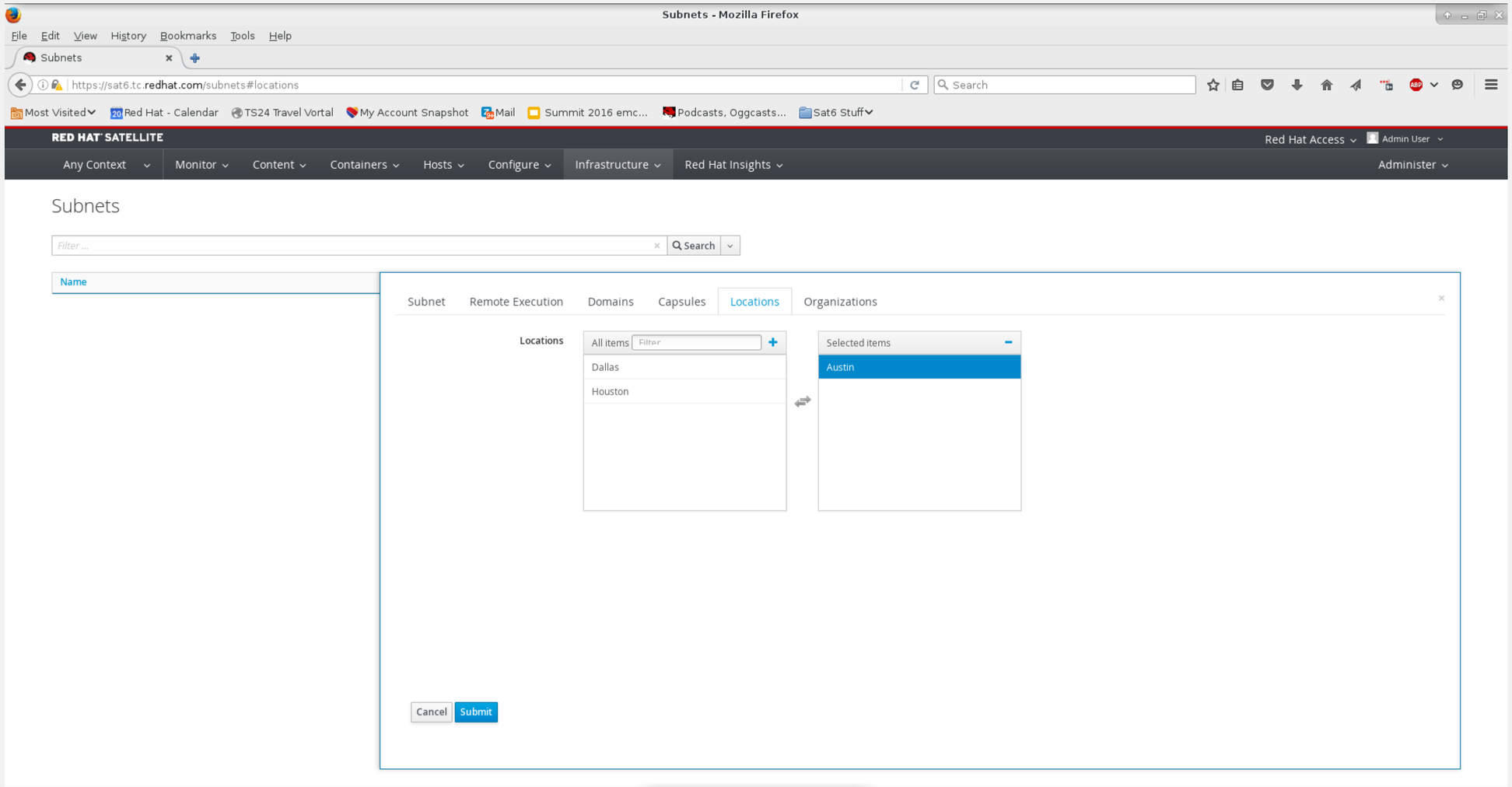
# Select the capsule which will manage the subnet



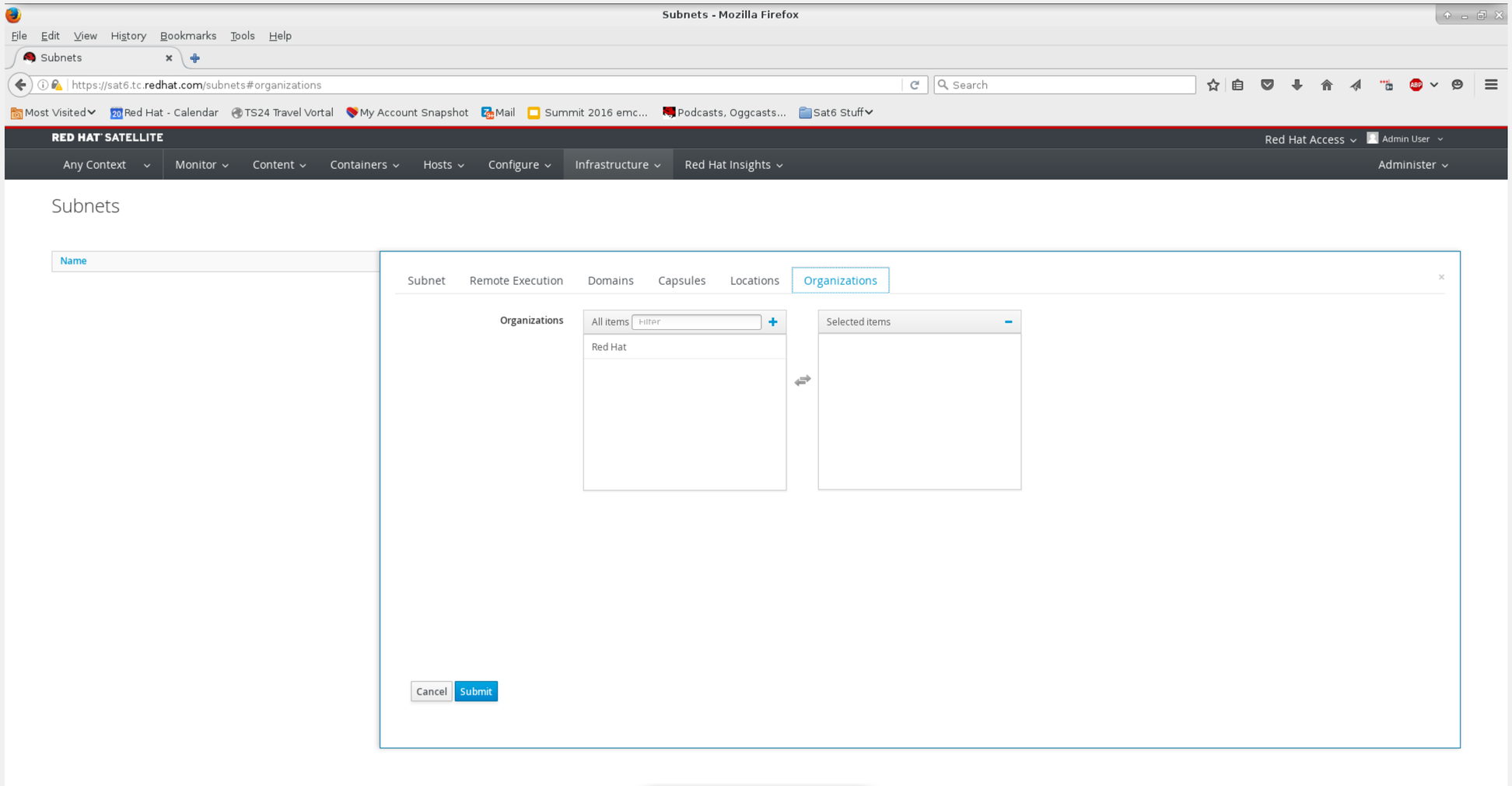
# Define the location with which the subnet is associated



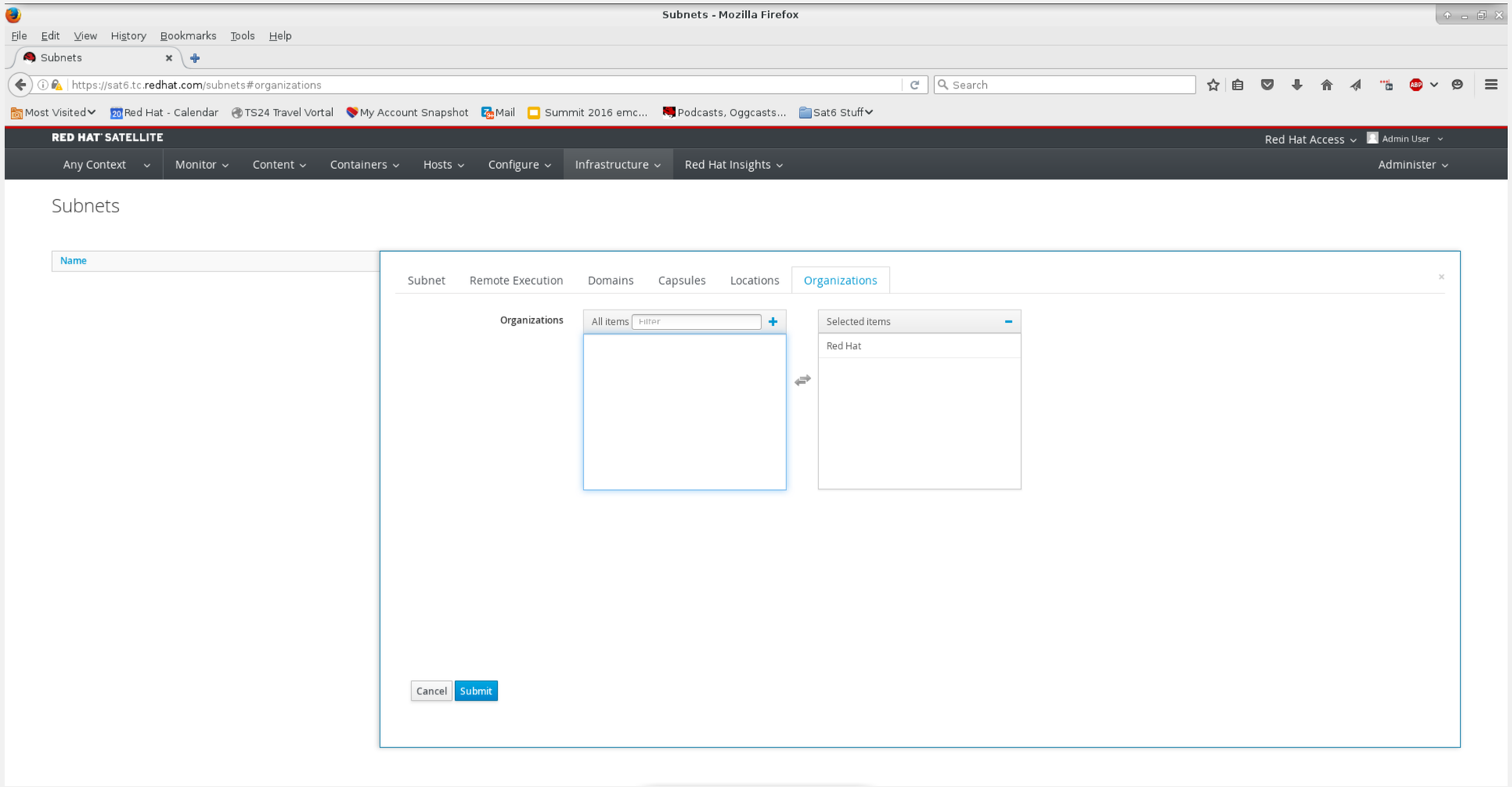
# Define the location with which the subnet is associated



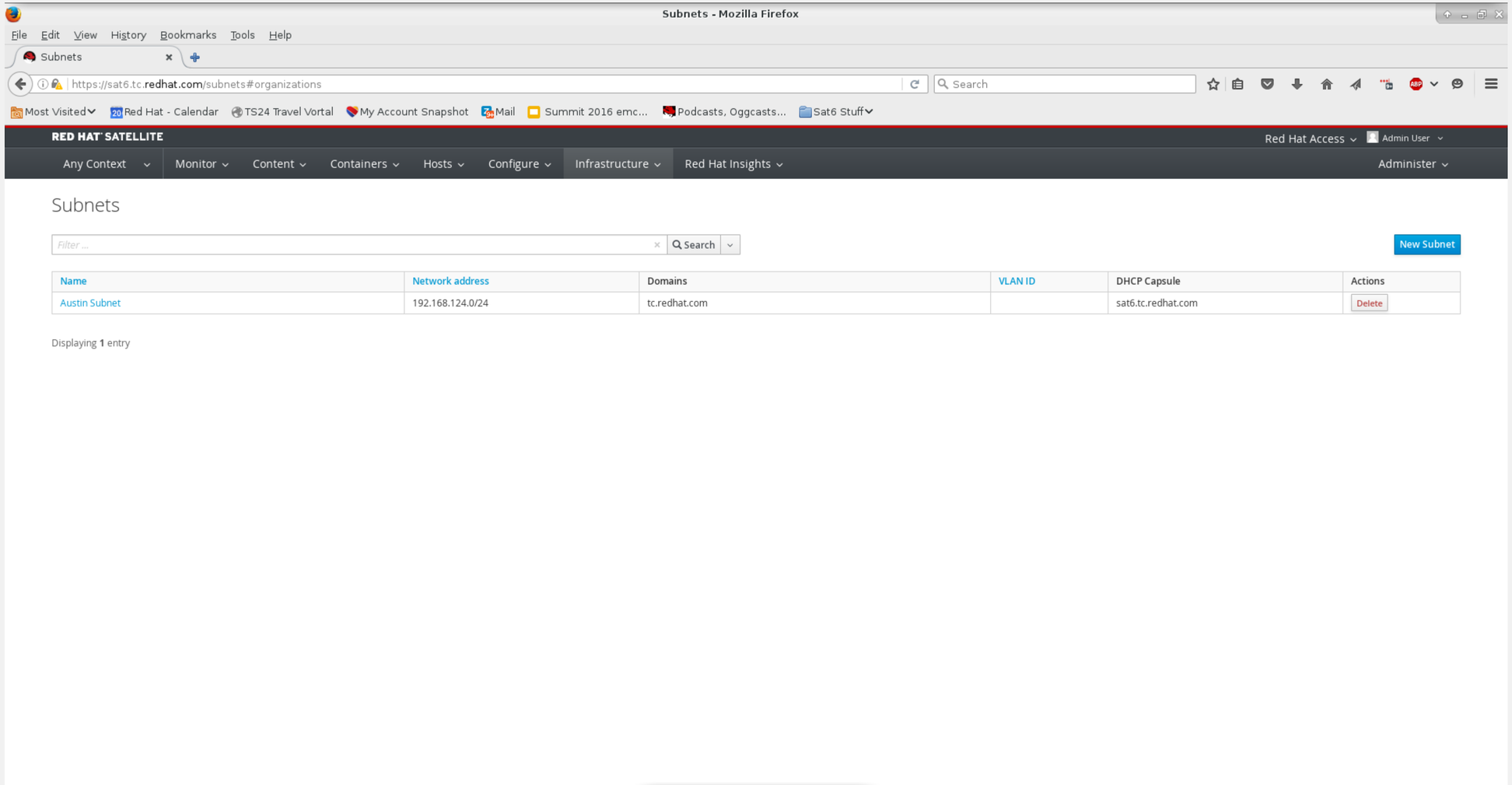
# Add any organizations the subnet is used for



# Add any organizations the subnet is used for



# First subnet defined



# Do the same for the other subnets

Subnets - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Subnets

https://sat6.tc.redhat.com/subnets#primary

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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Red Hat Access | Admin User

Any Context | Monitor | Content | Containers | Hosts | Configure | Infrastructure | Red Hat Insights | Administer

## Subnets

Filter ... | Search

| Name |
|---|
| Austin Subnet |
| Dallas Subnet |
| Houston Subnet |

Subnet | Remote Execution | Domains | Capsules | Locations | Organizations

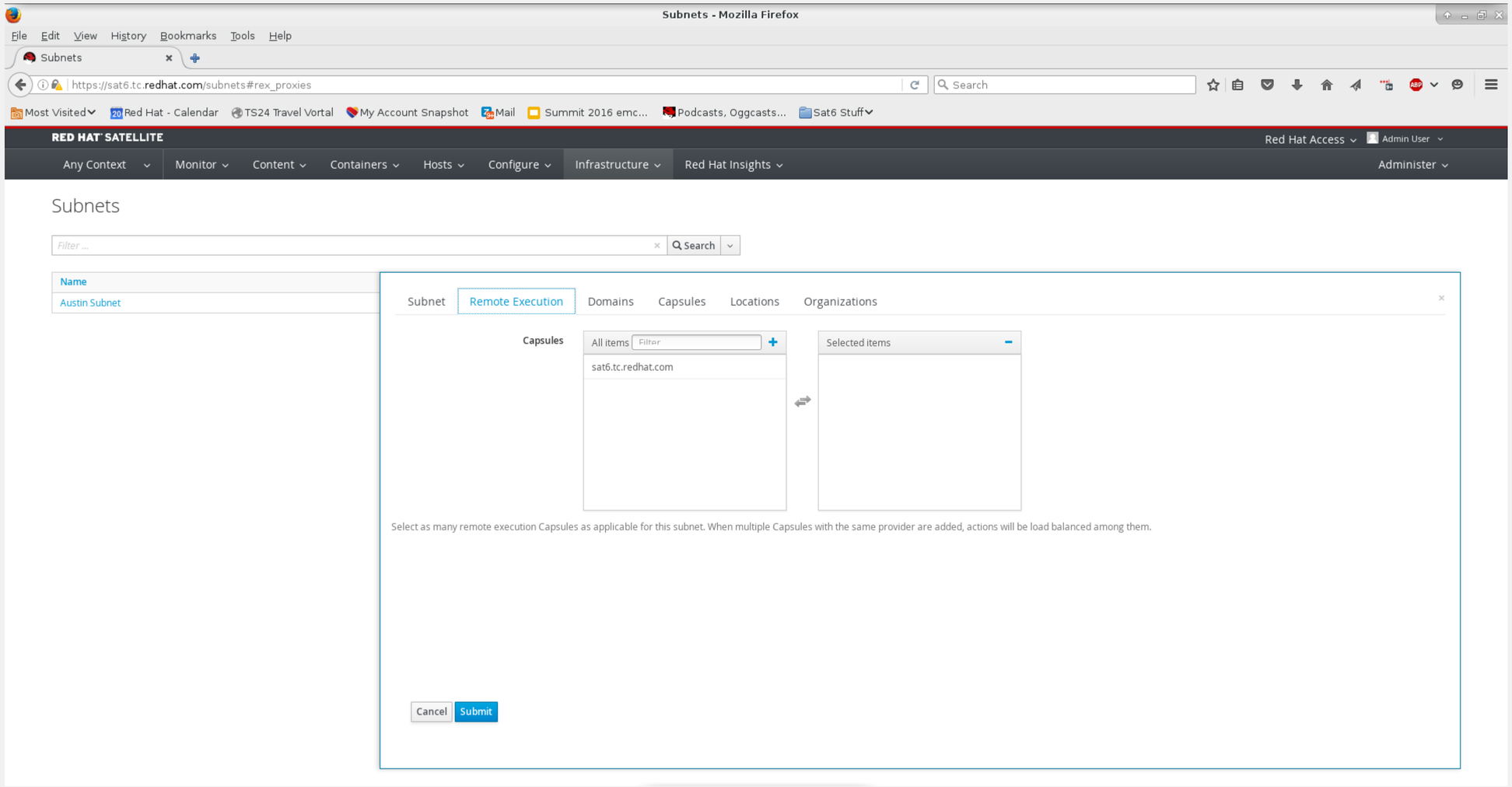
| | | |
|---|---|---|
| Name * | Dallas Subnet | |
| Network address * | 192.168.125.0 | |
| Network mask * | 255.255.255.0 | Netmask for this subnet |
| Gateway address | 192.168.125.1 | Optional: Gateway for this subnet |
| Primary DNS server | 192.168.124.30 | Optional: Primary DNS for this subnet |
| Secondary DNS server | | Optional: Secondary DNS for this subnet |
| IPAM | DHCP | IP Address Management |
| Start of IP range | 192.168.125.100 | Optional: Starting IP Address for IP auto suggestion |
| End of IP range | 192.168.125.254 | Optional: Ending IP Address for IP auto suggestion |
| VLAN ID | | Optional: VLAN ID for this subnet |
| Boot mode | DHCP | Default boot mode for interfaces assigned to this subnet |

Cancel | Submit

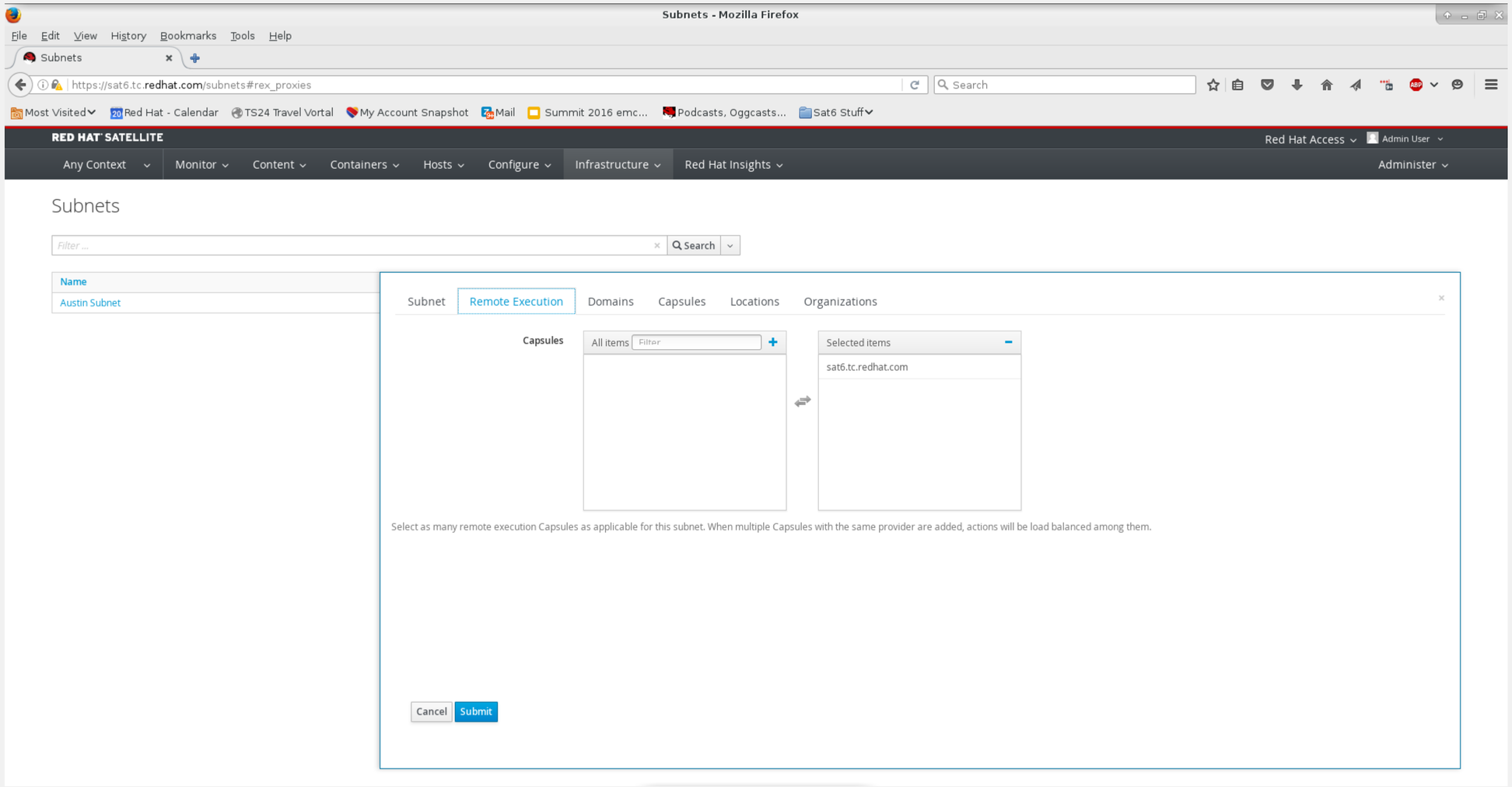


redhat.

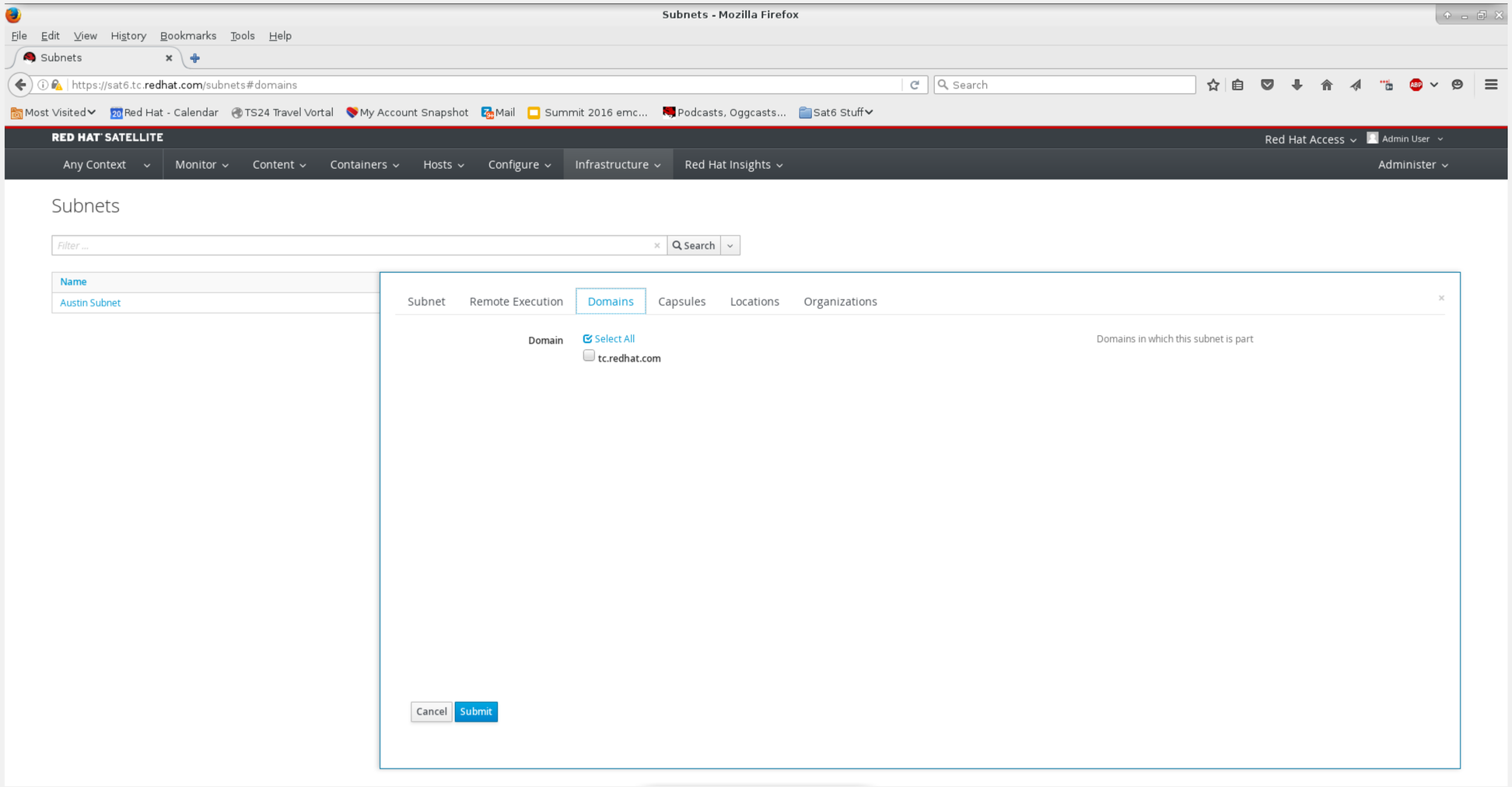
# Do the same for the other subnets



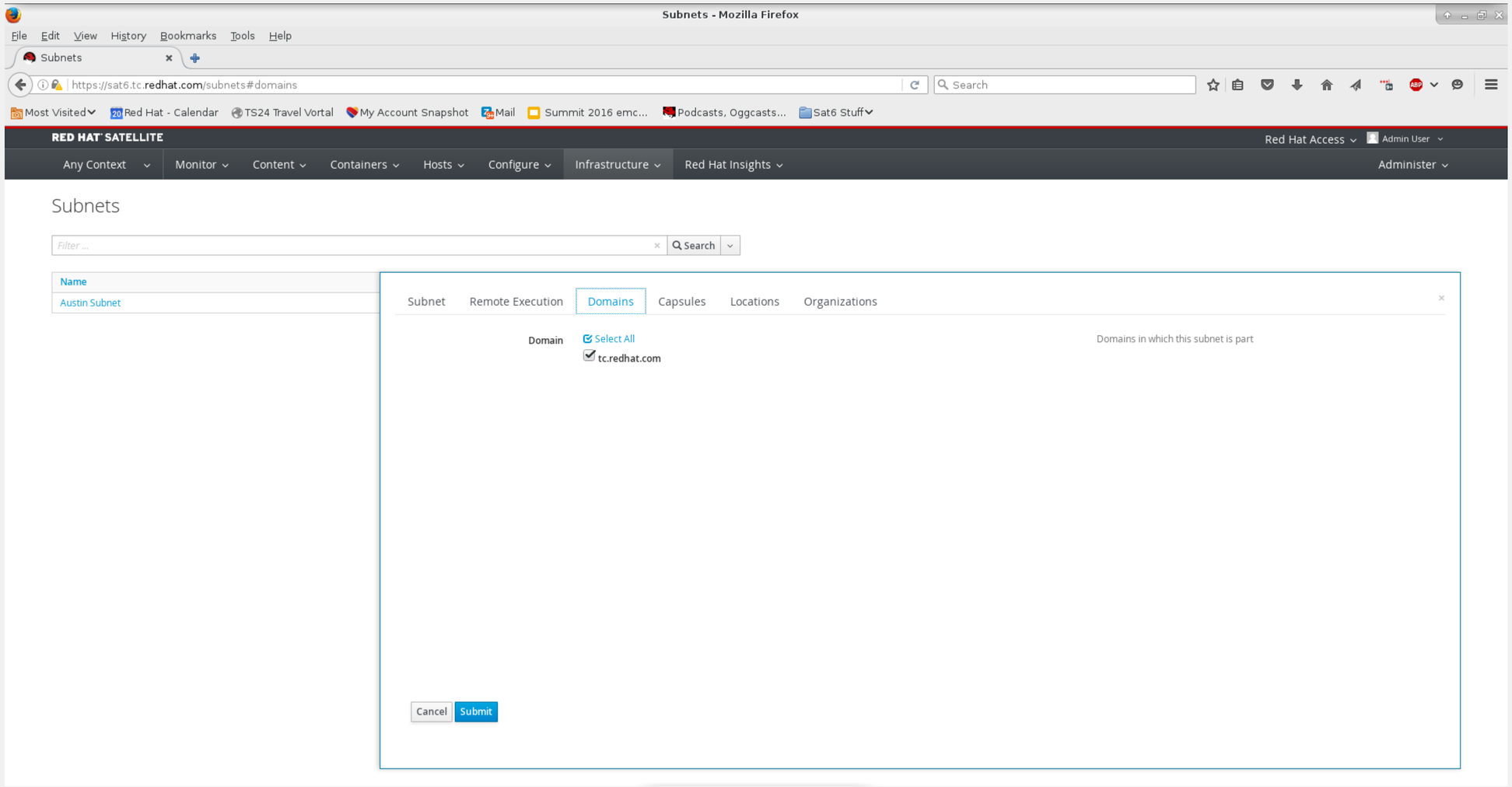
# Do the same for the other subnets



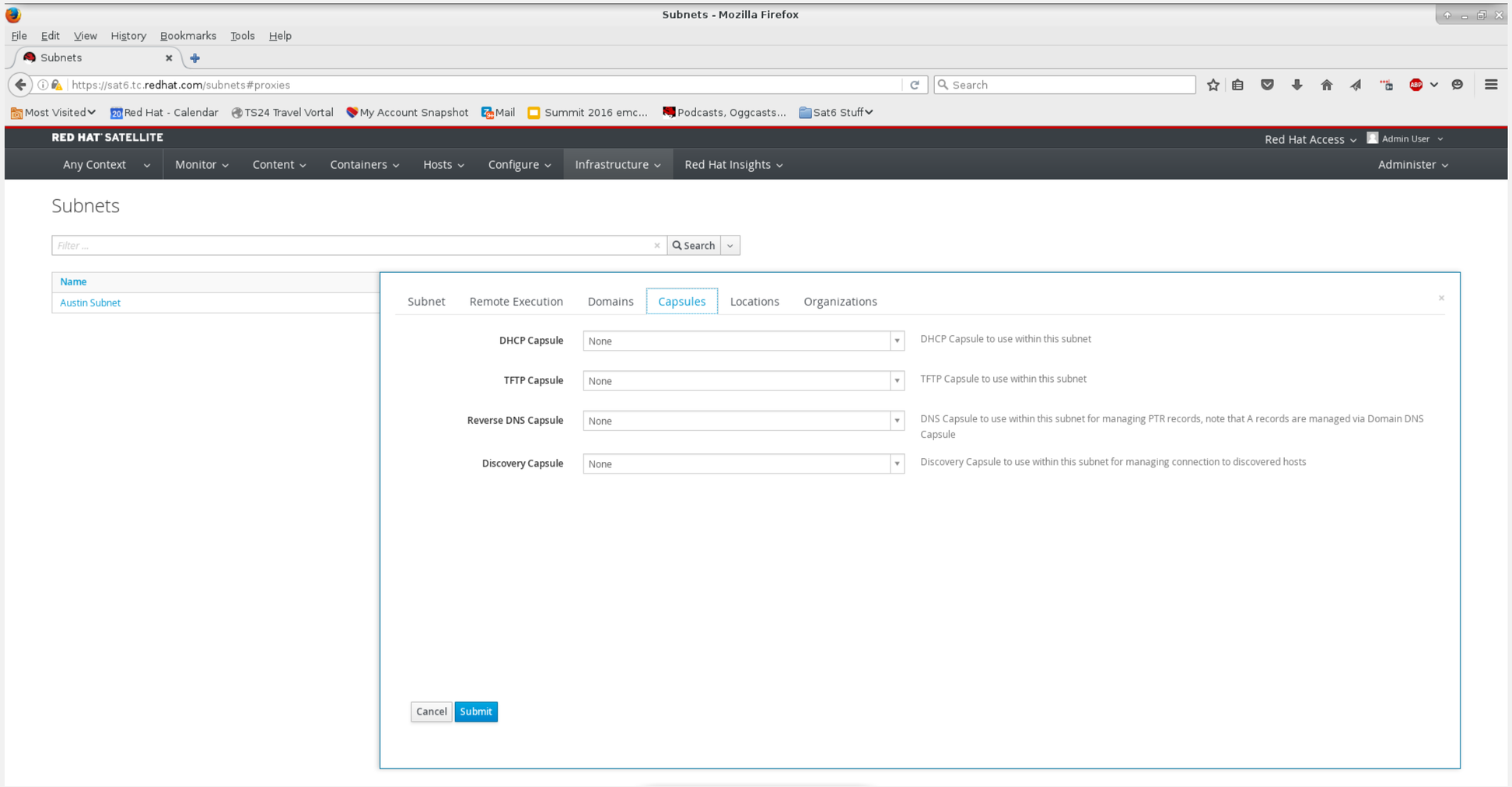
# Do the same for the other subnets



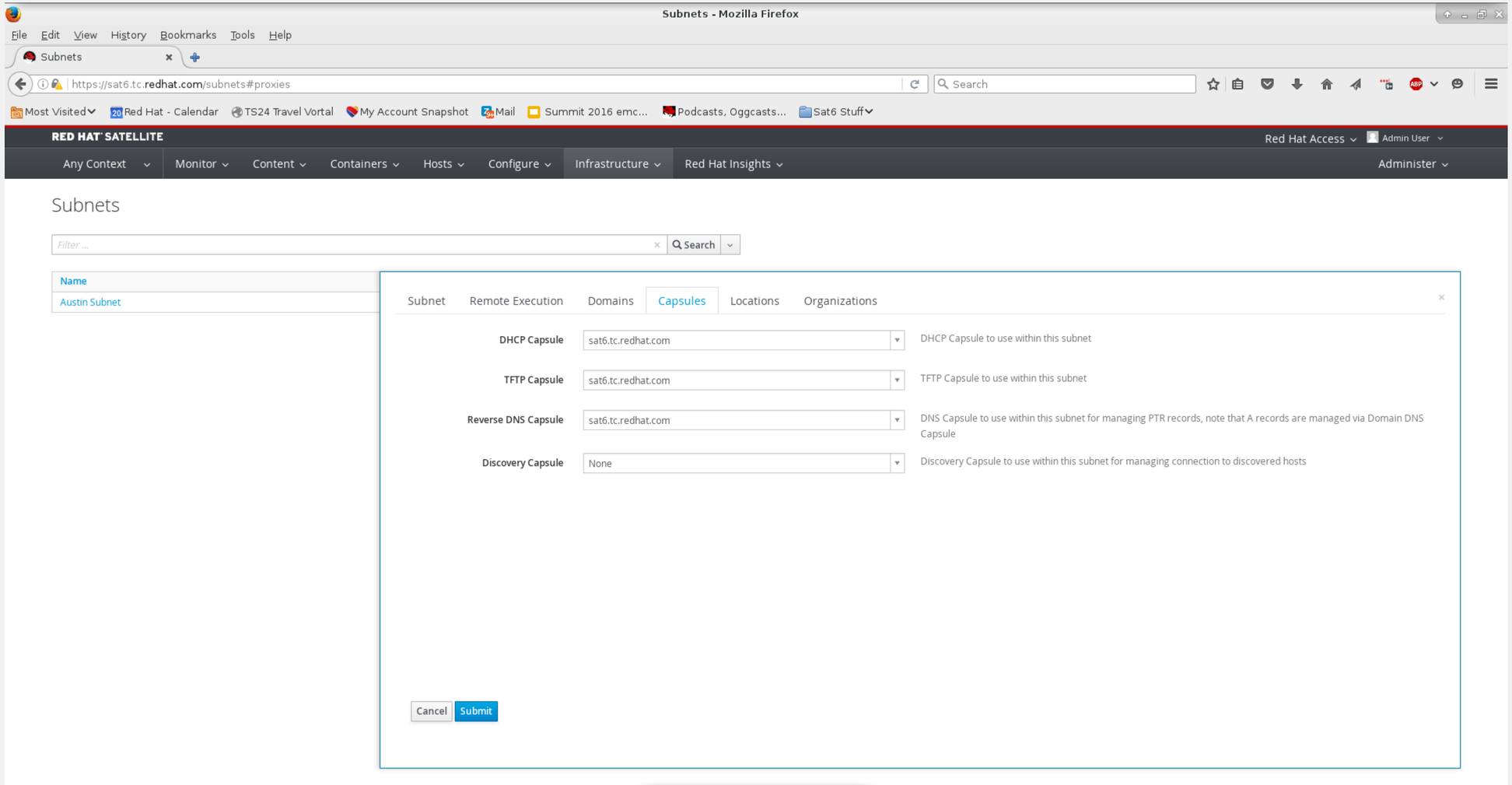
# Do the same for the other subnets



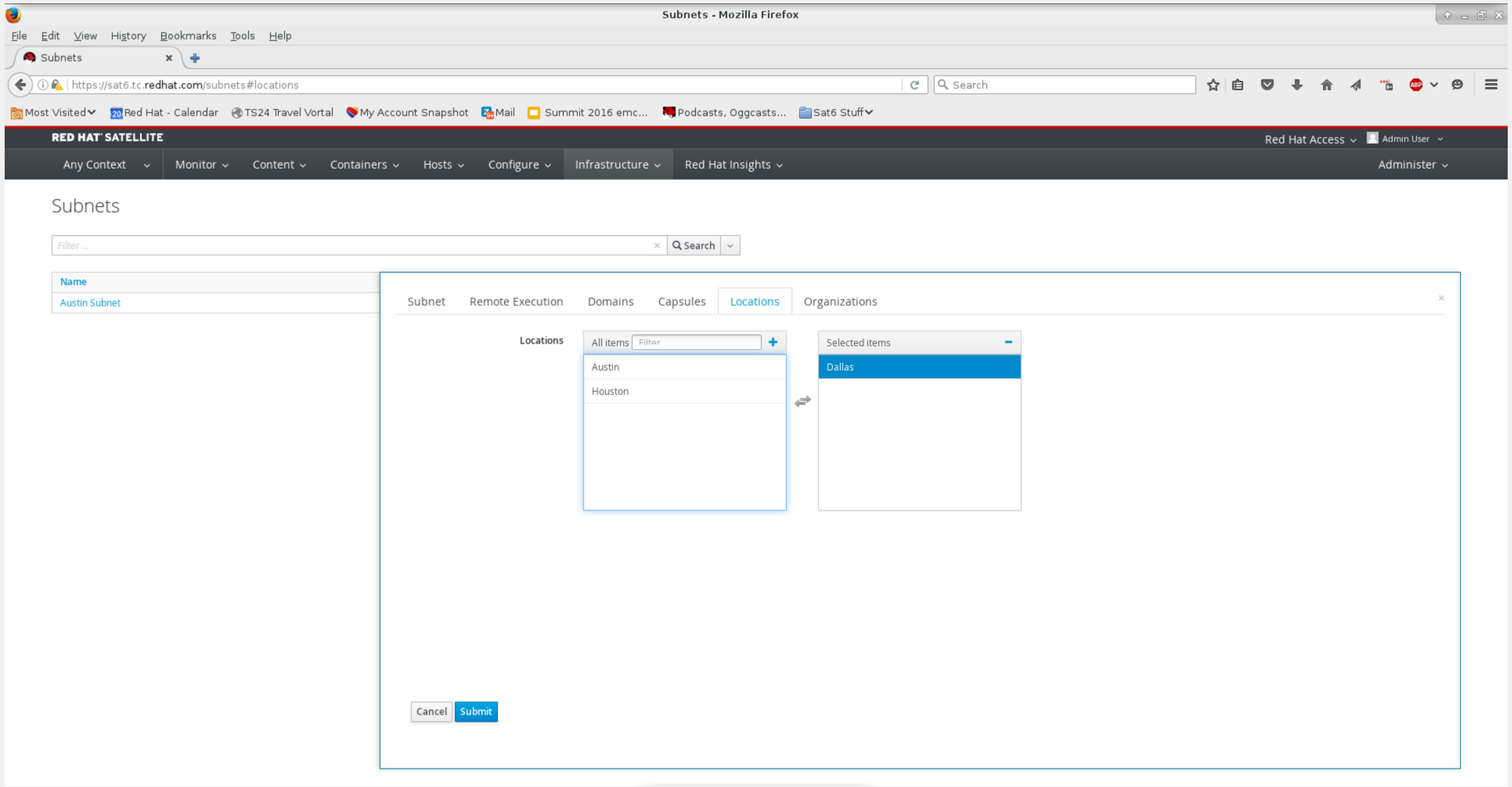
# Do the same for the other subnets



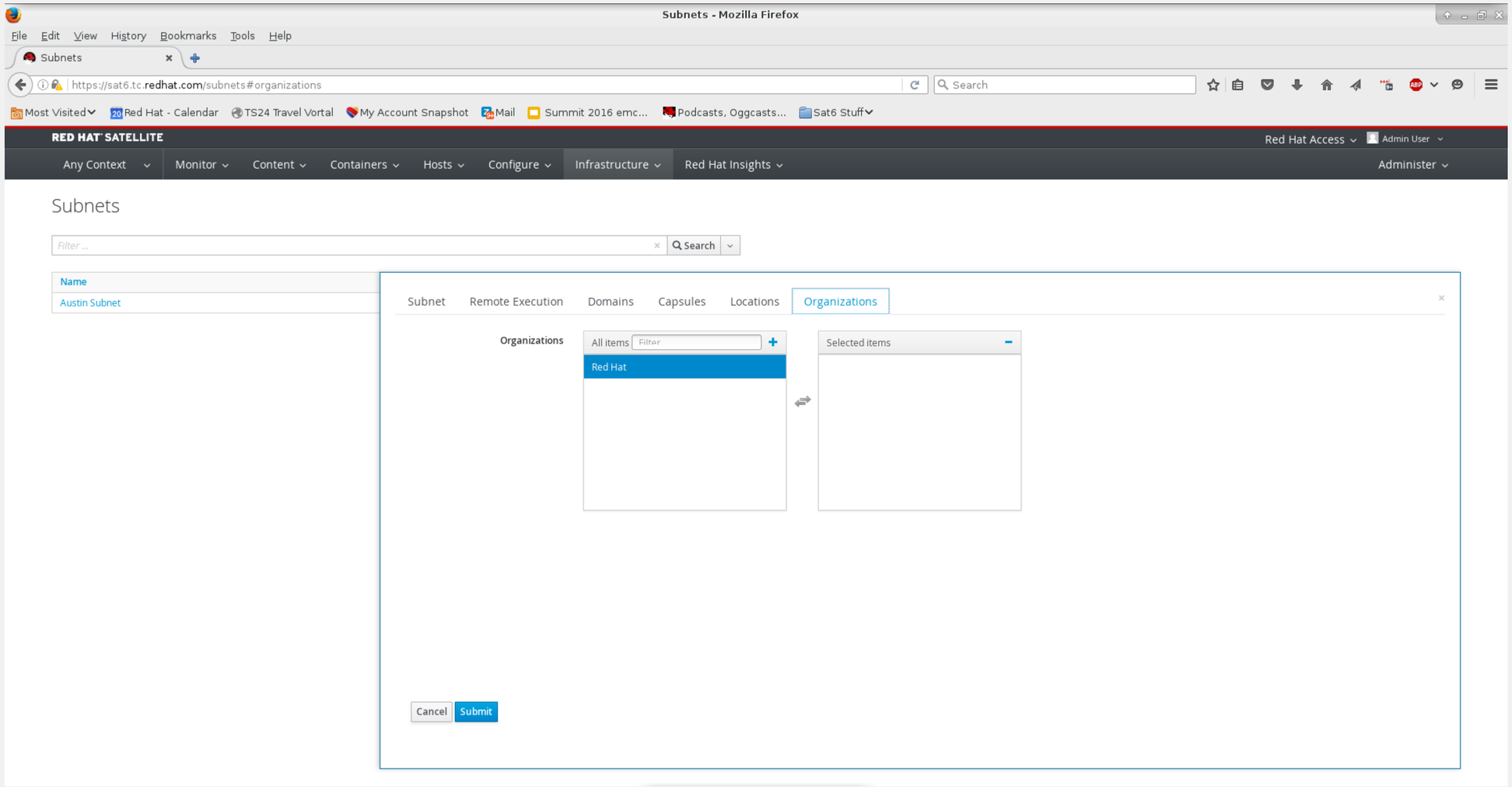
# Do the same for the other subnets



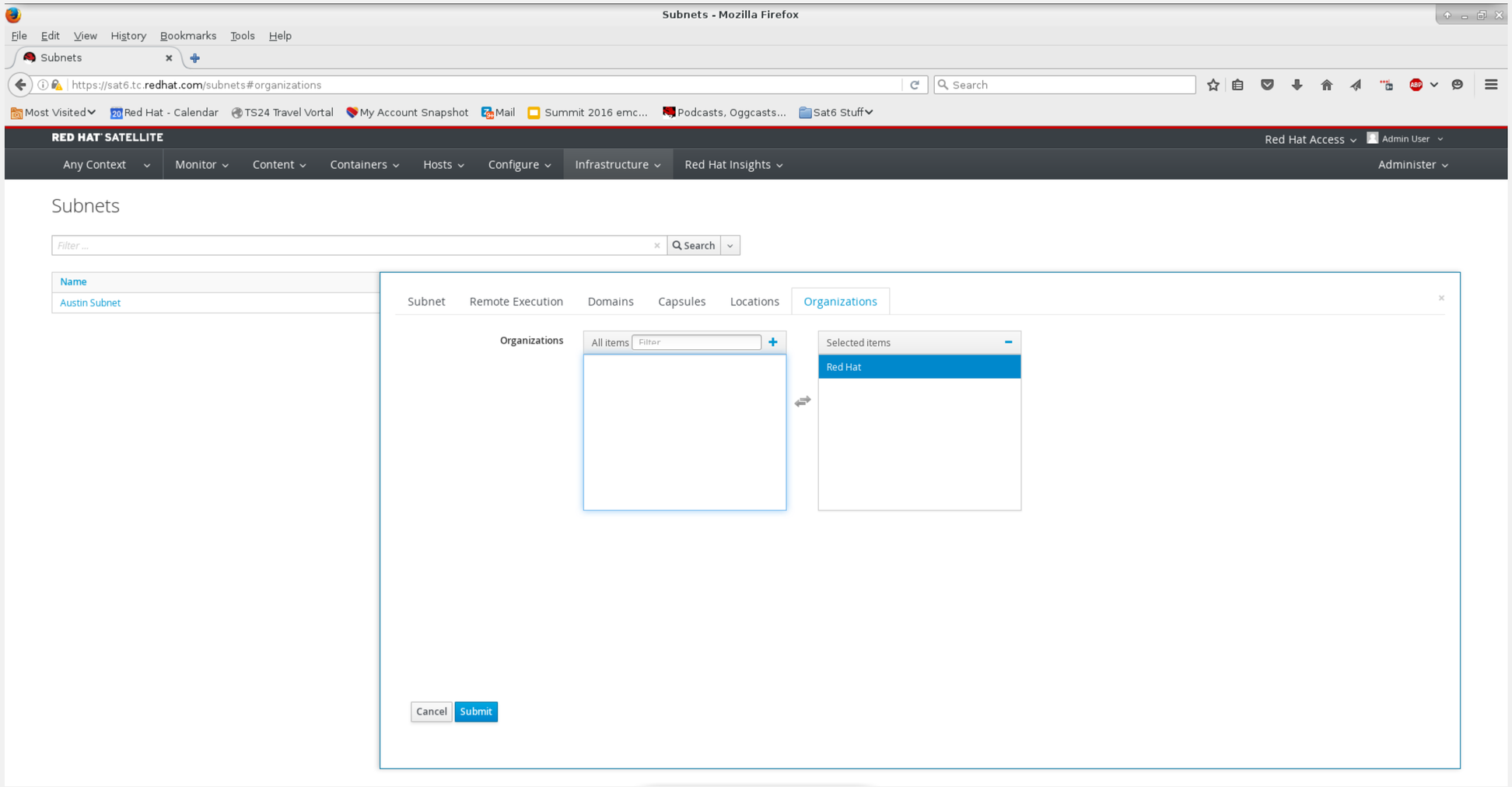
# Do the same for the other subnets



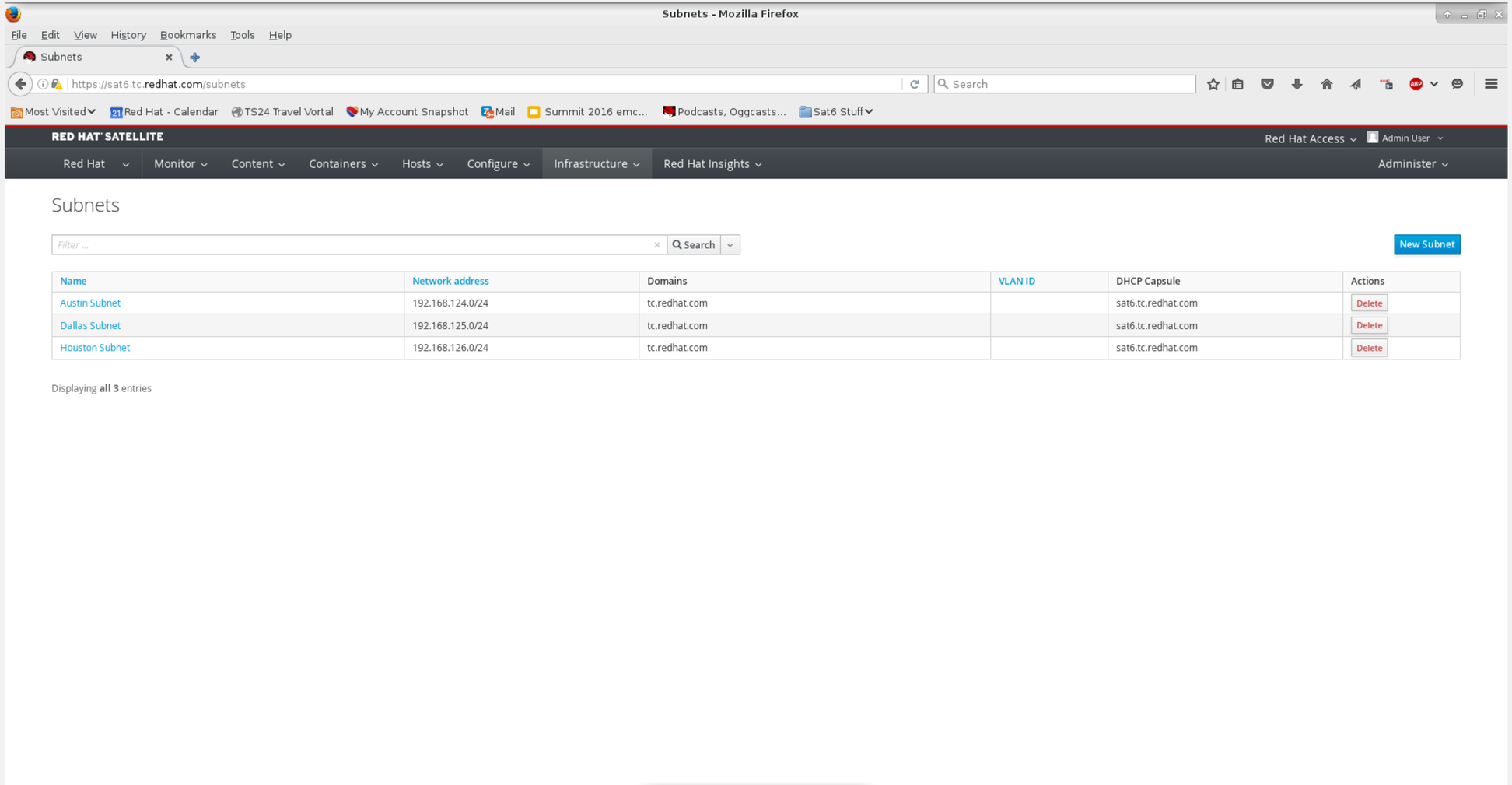
# Do the same for the other subnets



# Do the same for the other subnets



# All done – three subnets defined!



# Host Collections

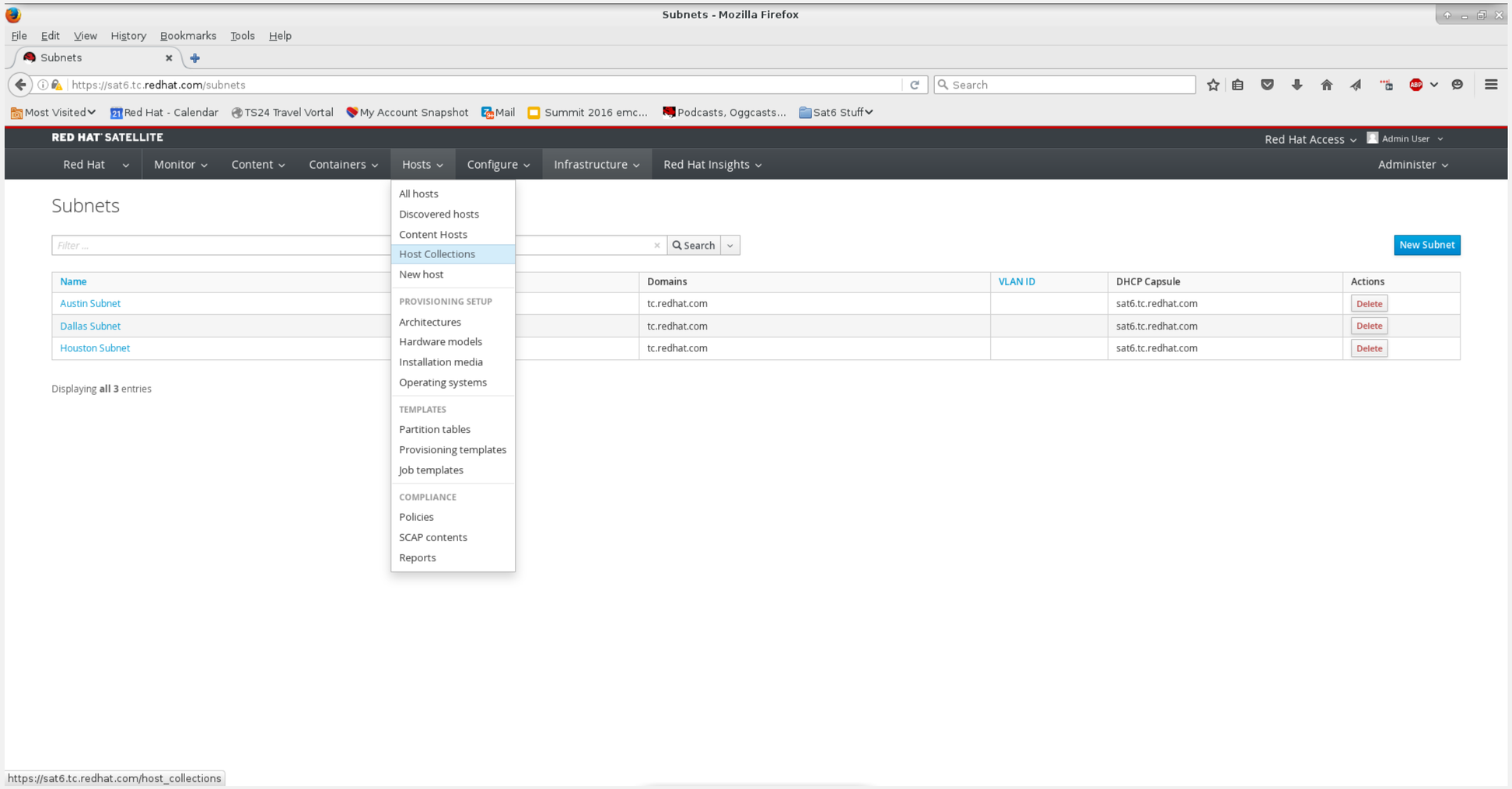


redhat.

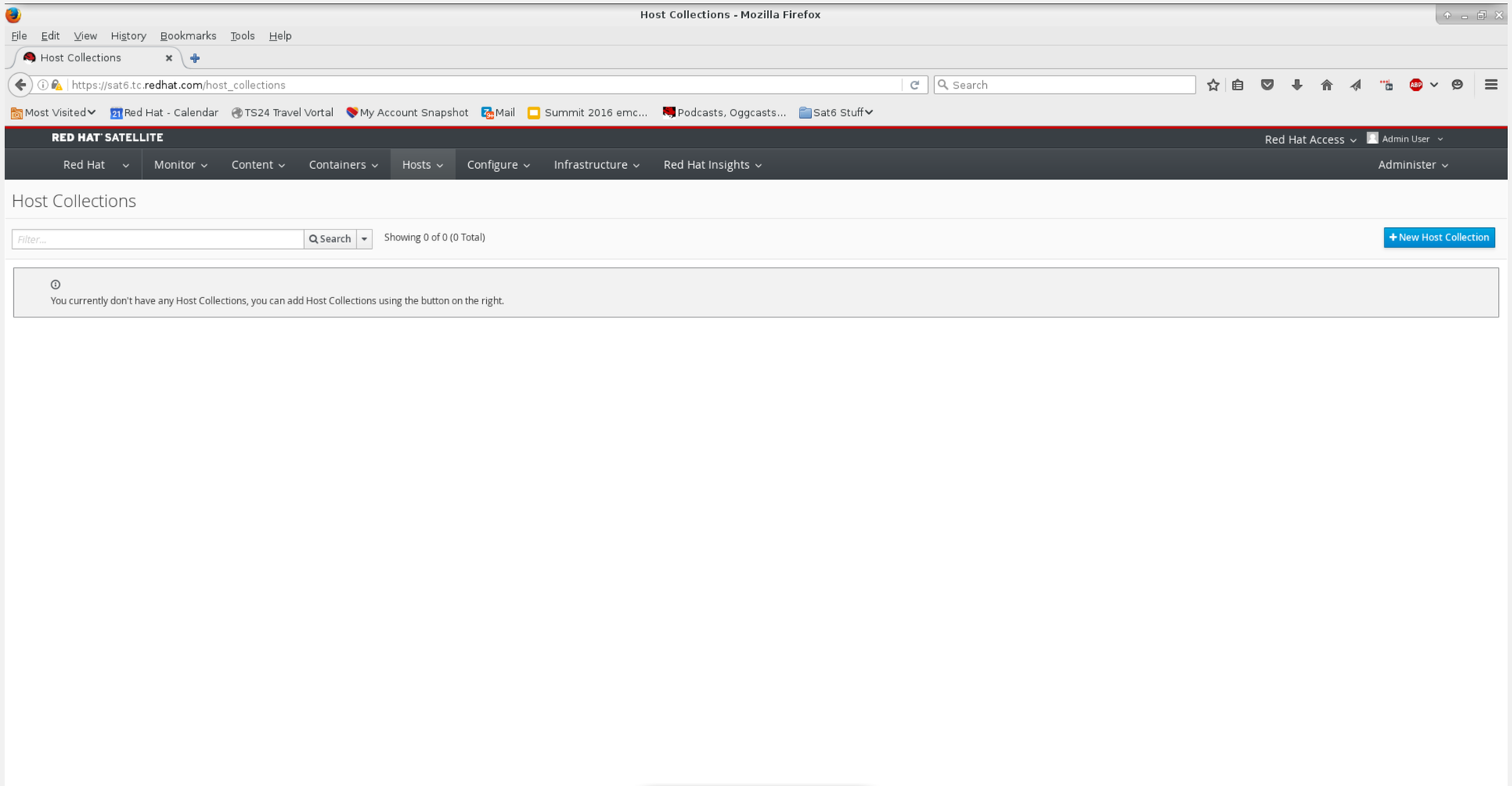
# What are host collections?

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

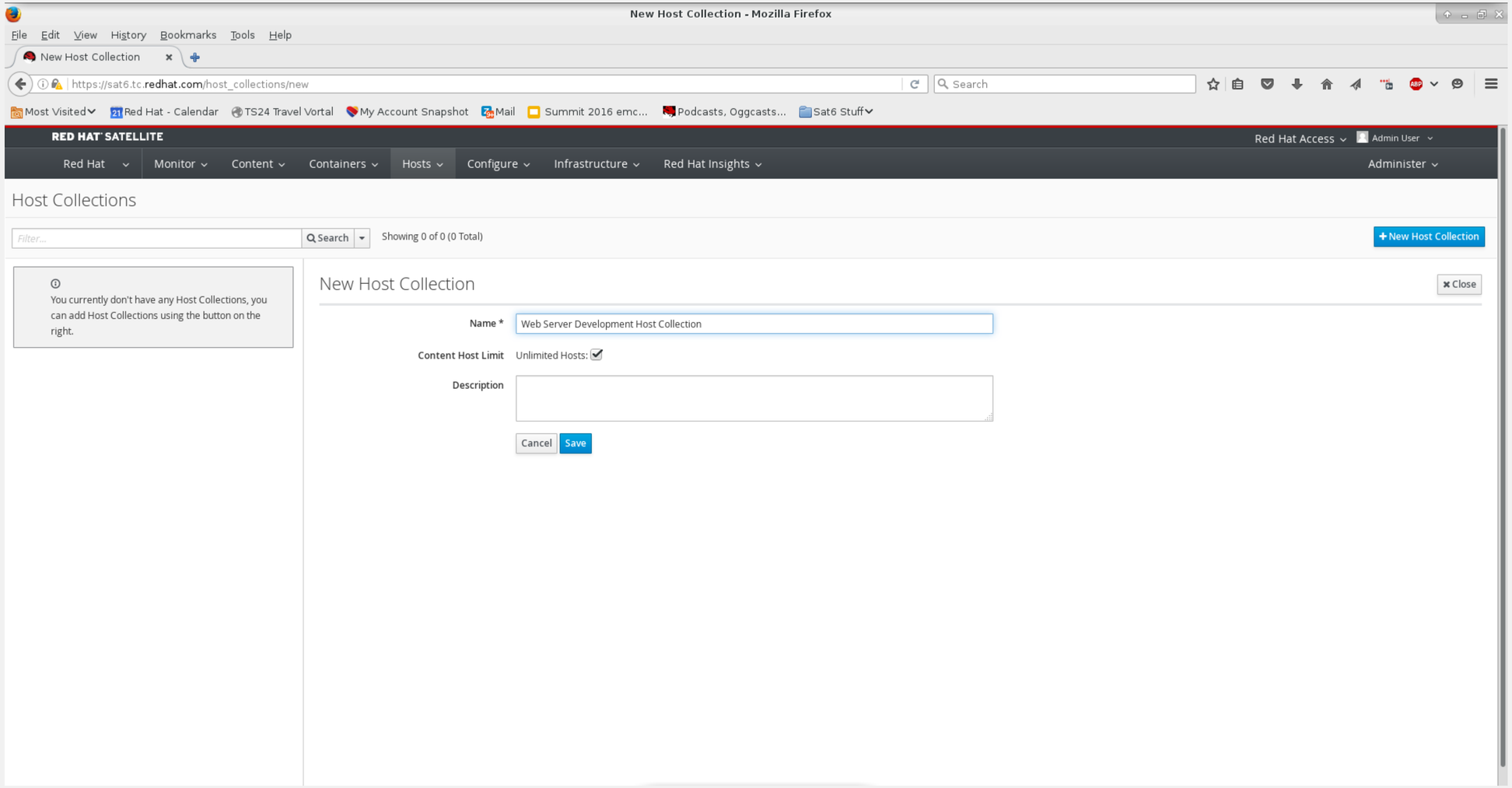
# Navigate to Hosts/Host Collections



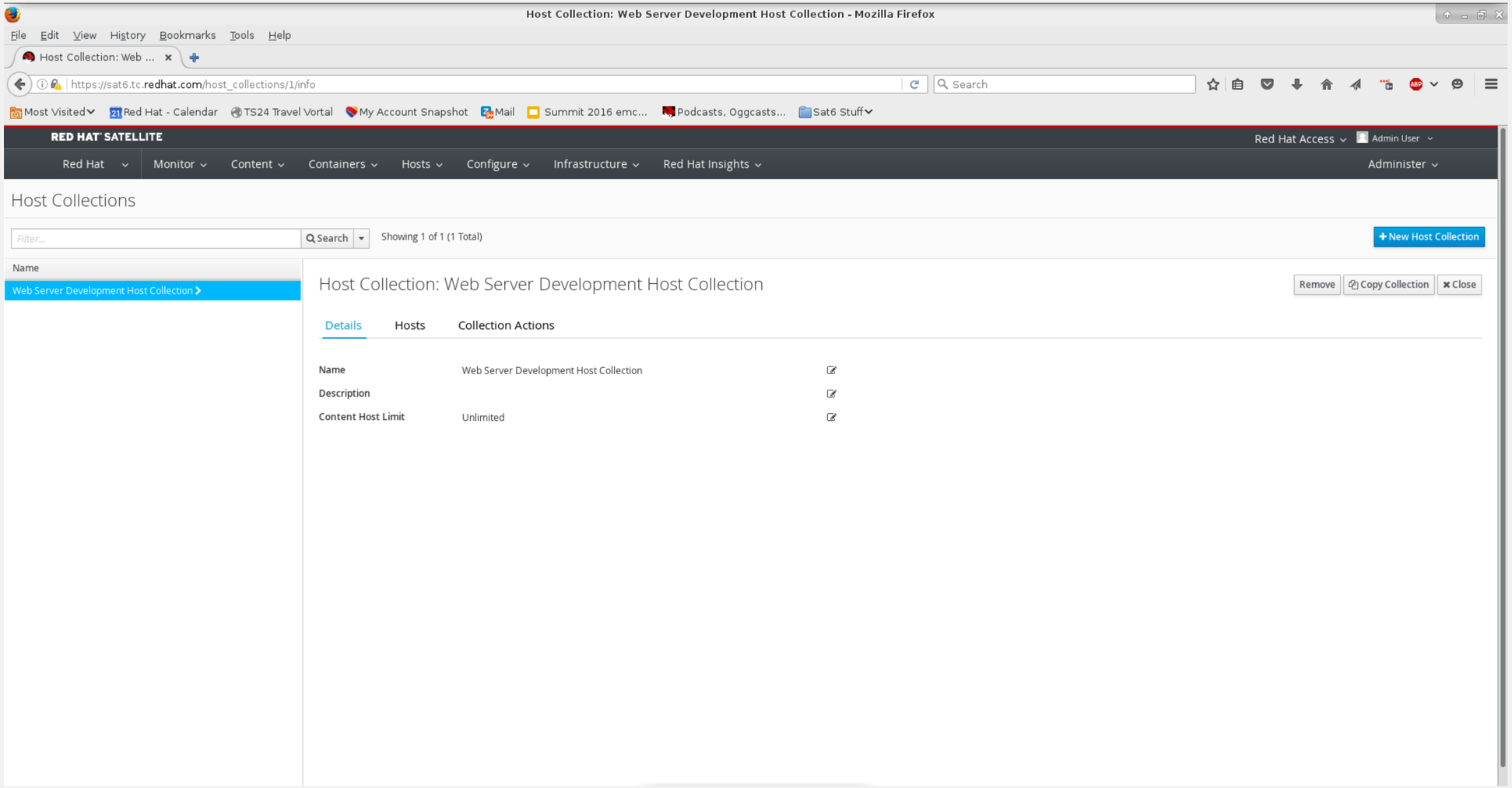
# Click New Host Collection



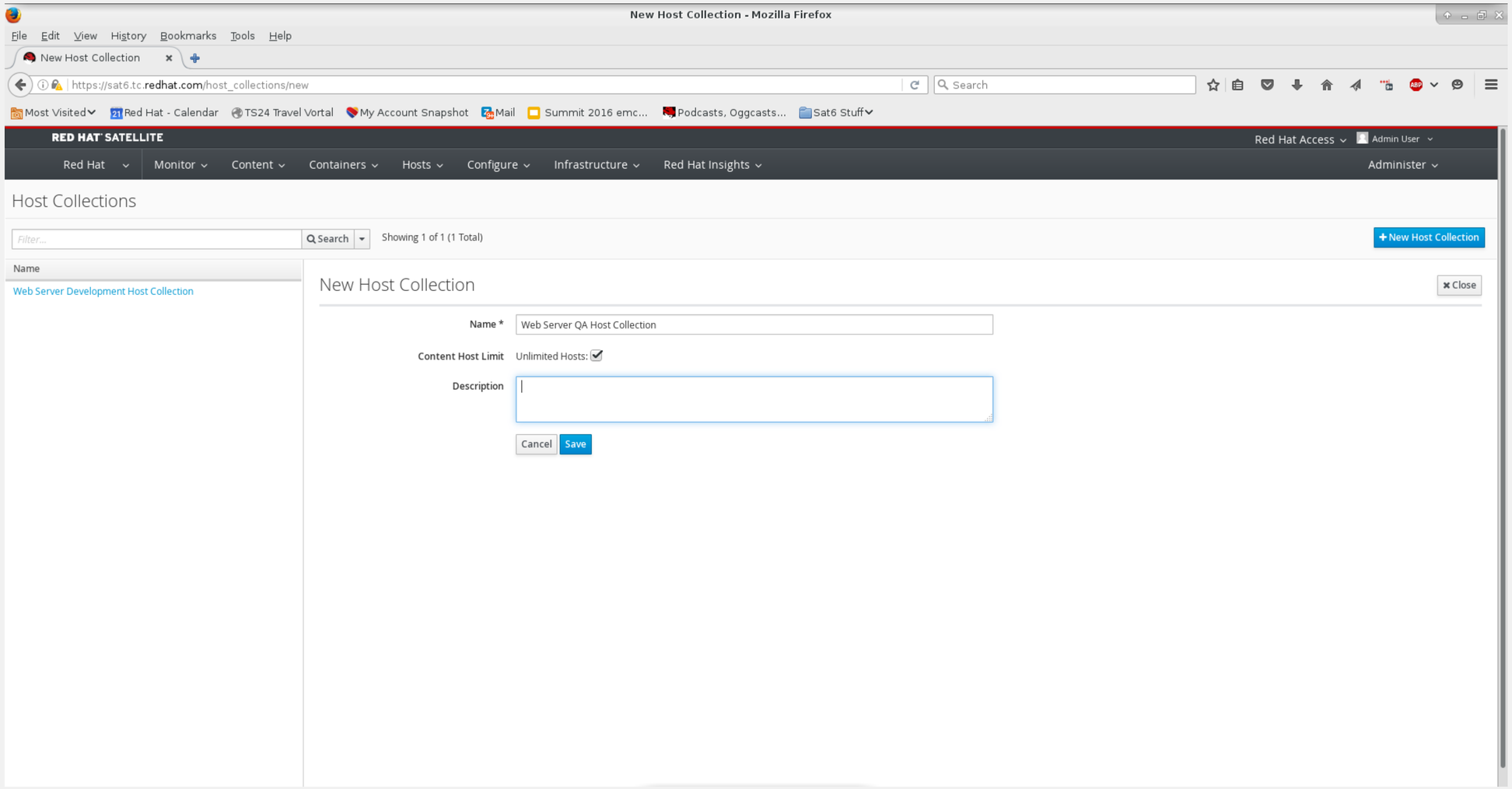
# Name the host collection



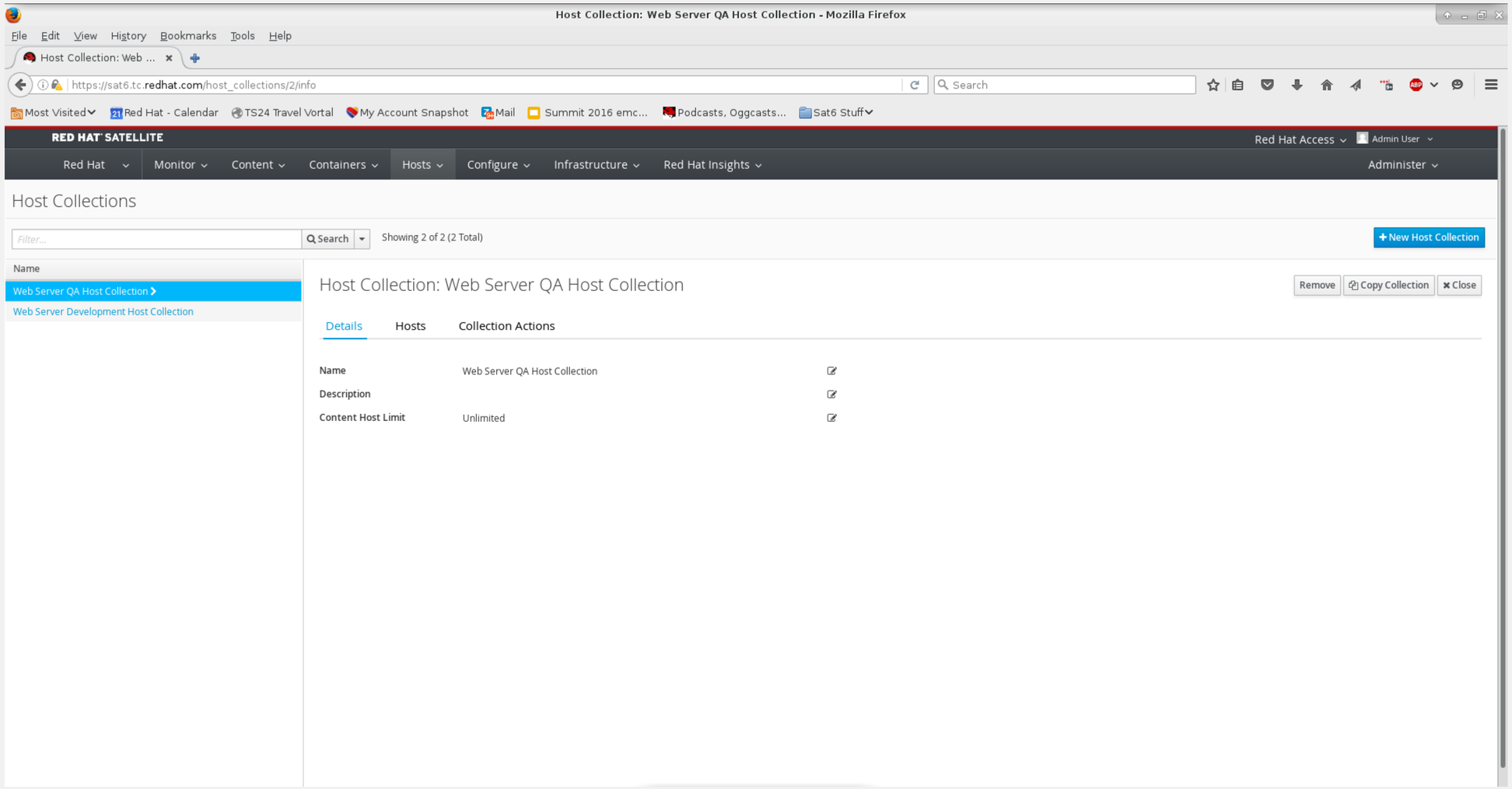
# Verify the info



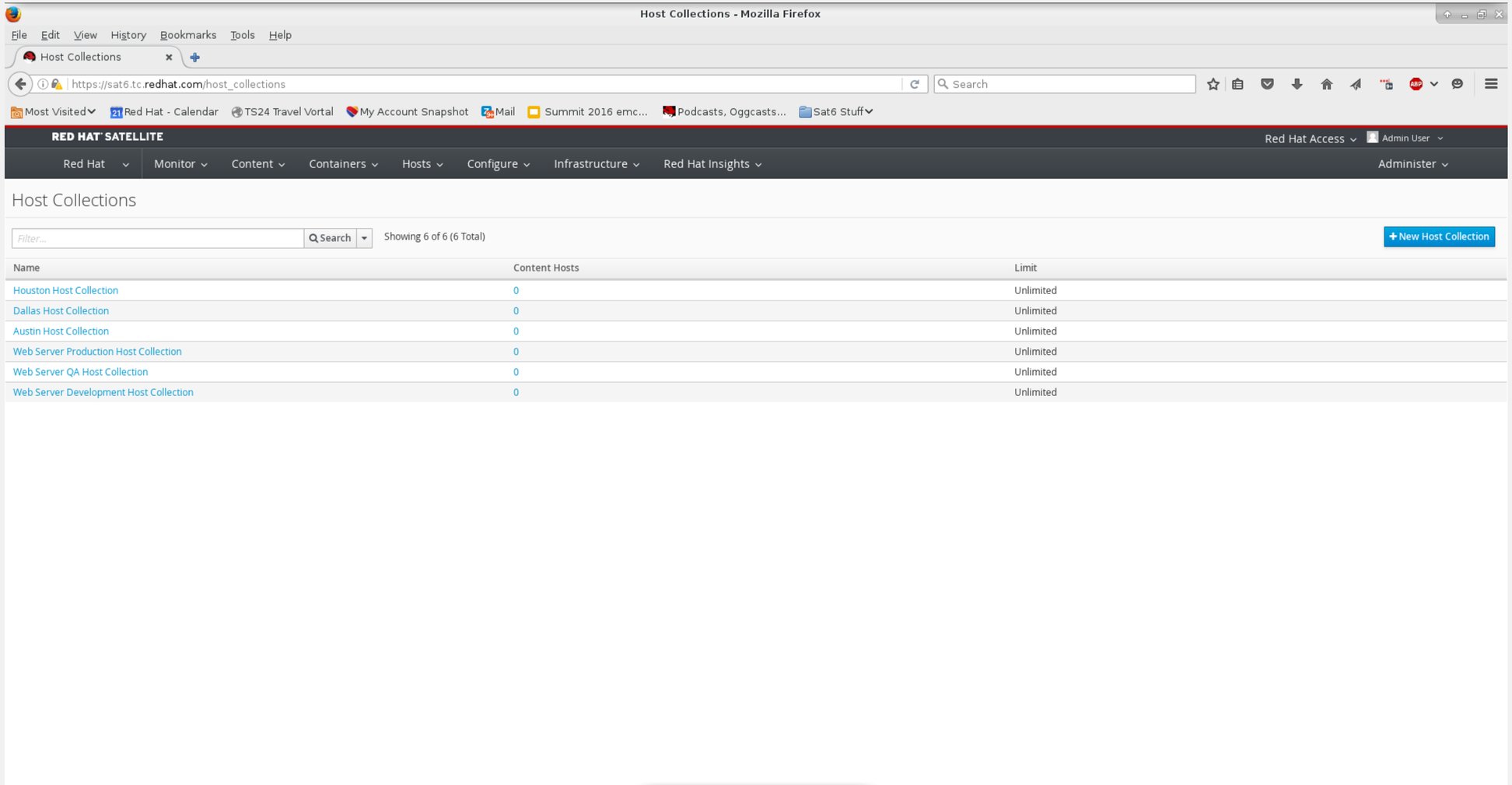
# Repeat for each HC



# Repeat for each HC



# Examples of HCs

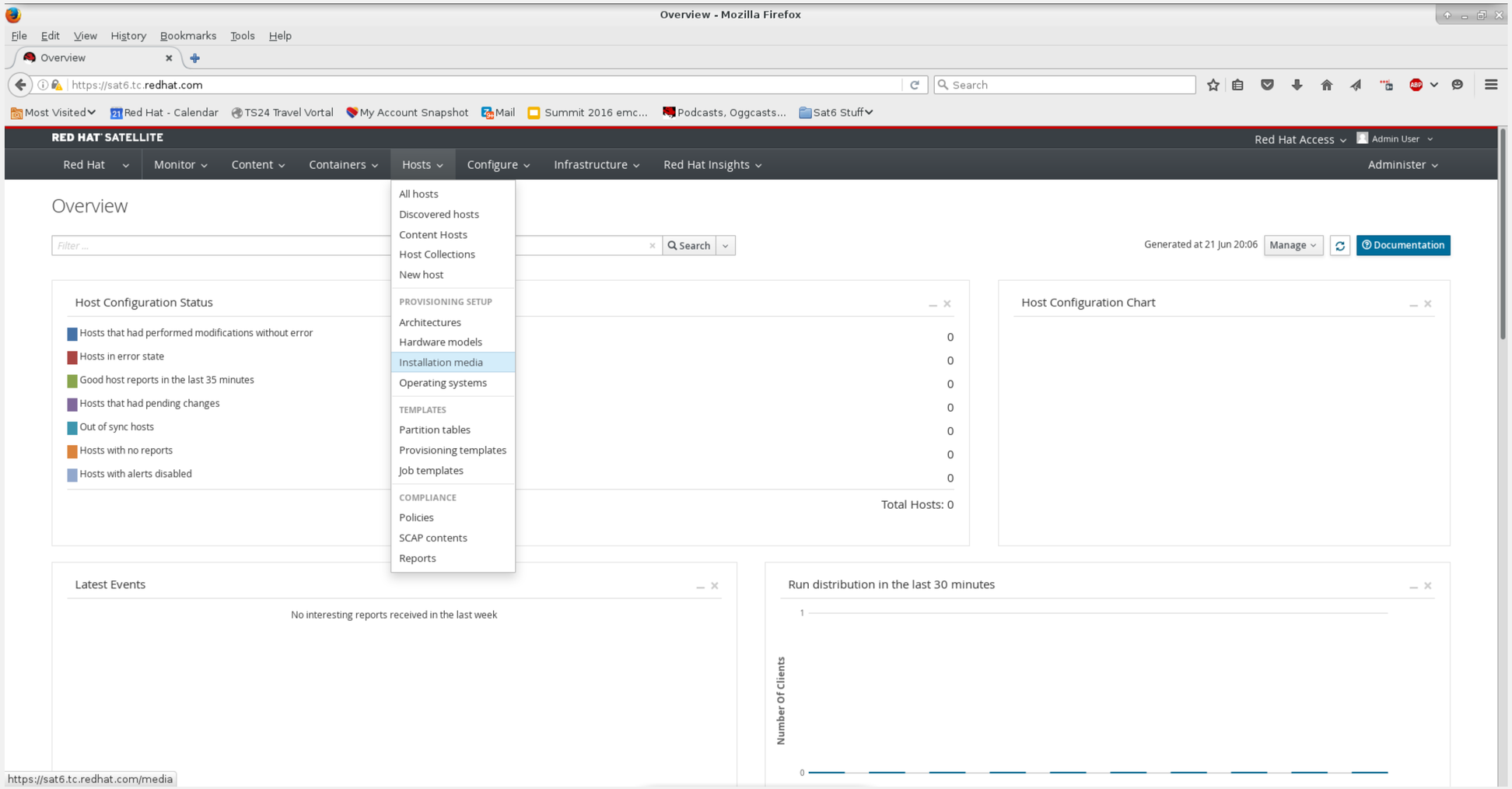


# Installation Media

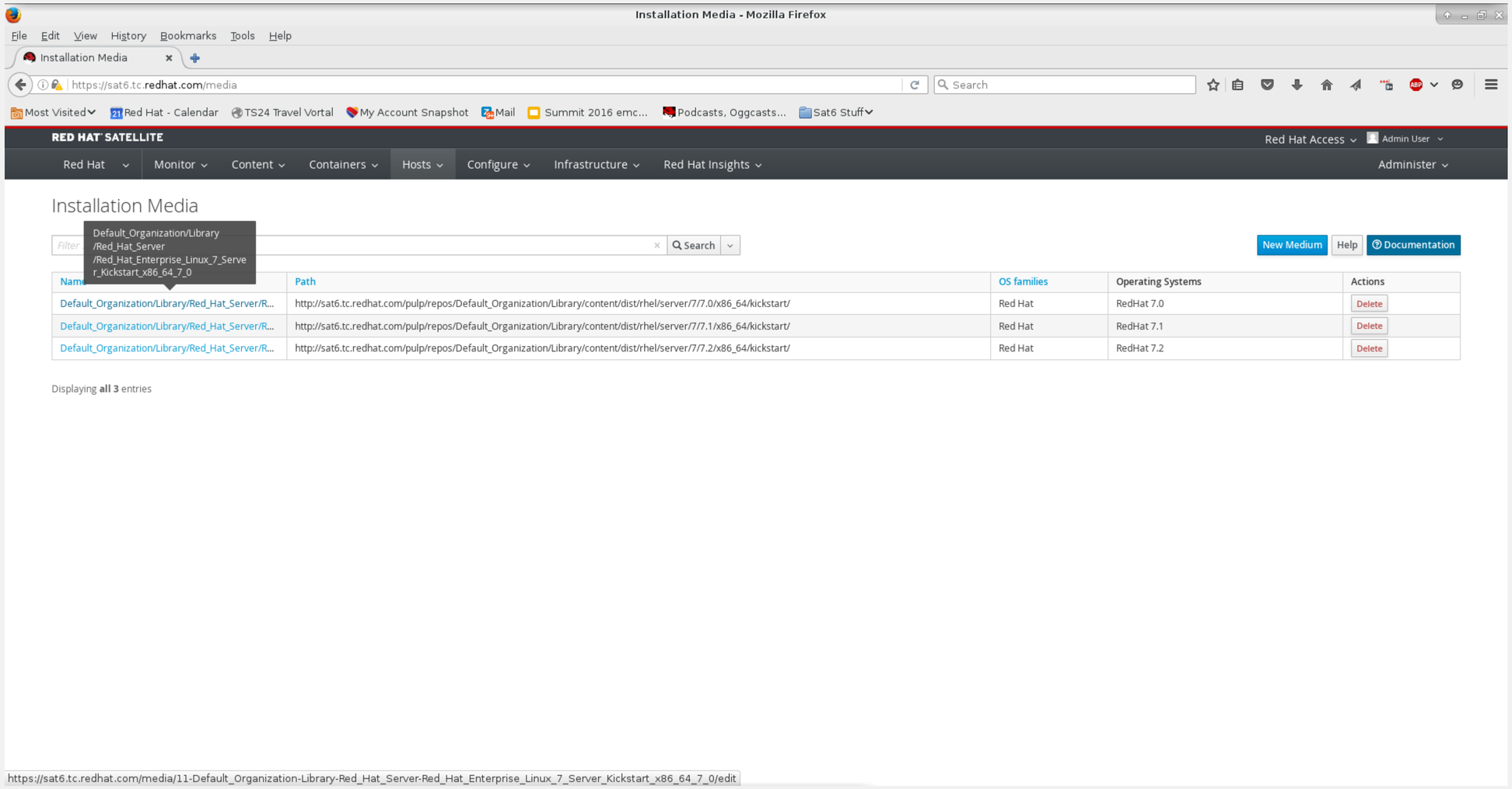
# What is installation media?

- Collections of installation media to kickstart physical or virtual machines. Installation media sets are created when you sync kickstart trees to the Satellite server. We need to make them available for kickstarts on our server.

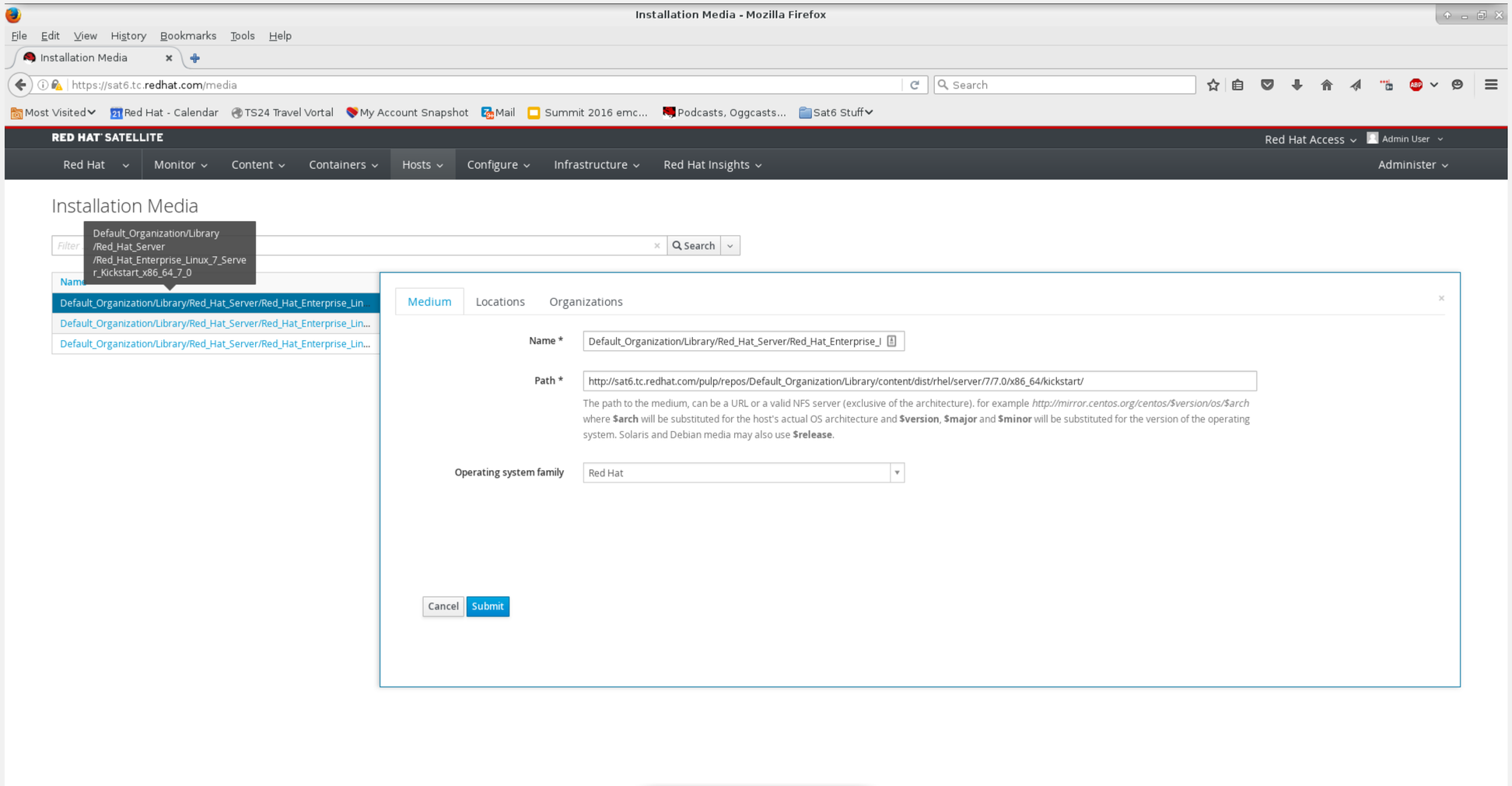
# Navigate to Hosts/Installation Media



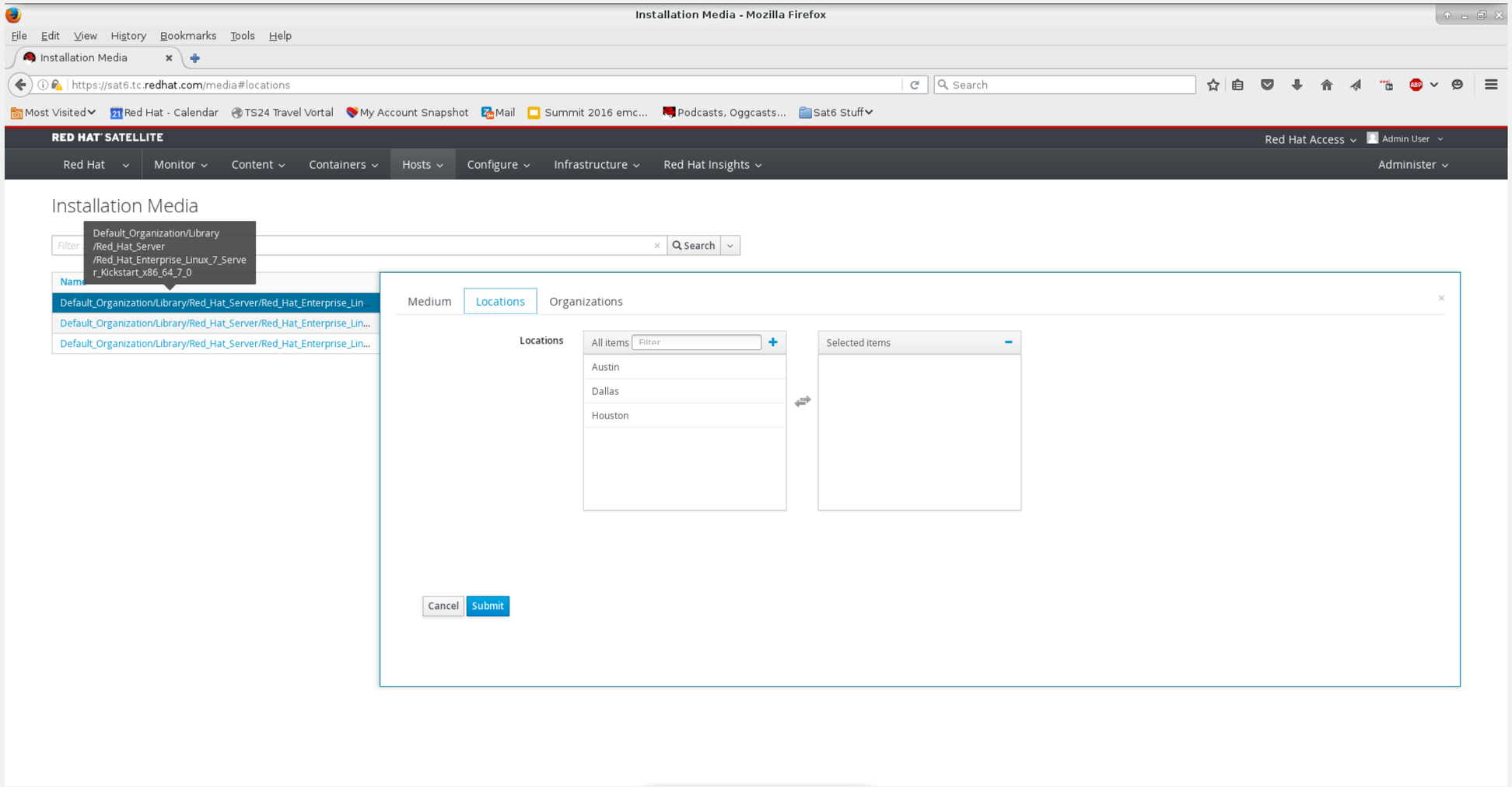
# Select the first installation media set



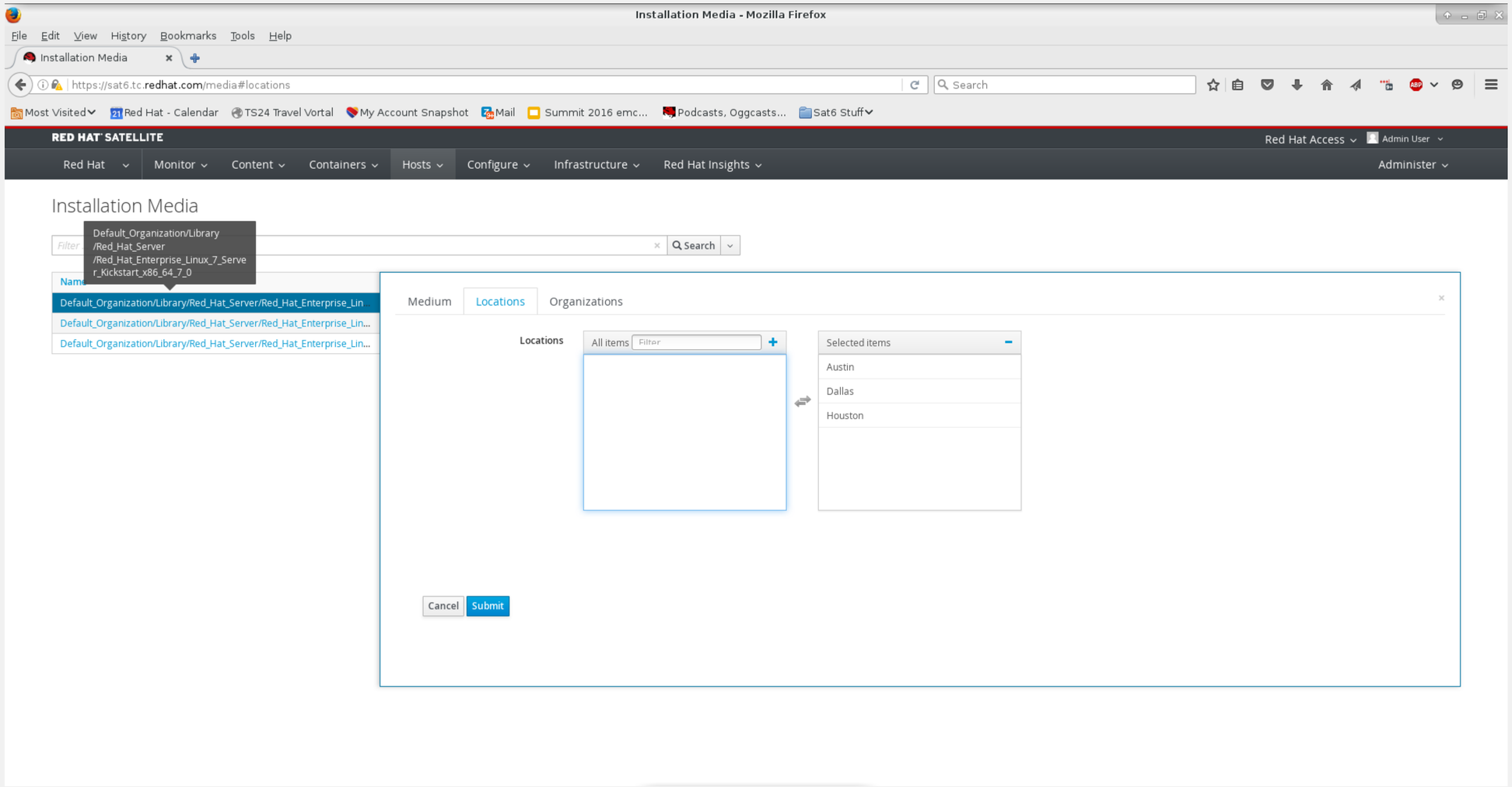
# Observe the settings on the main page



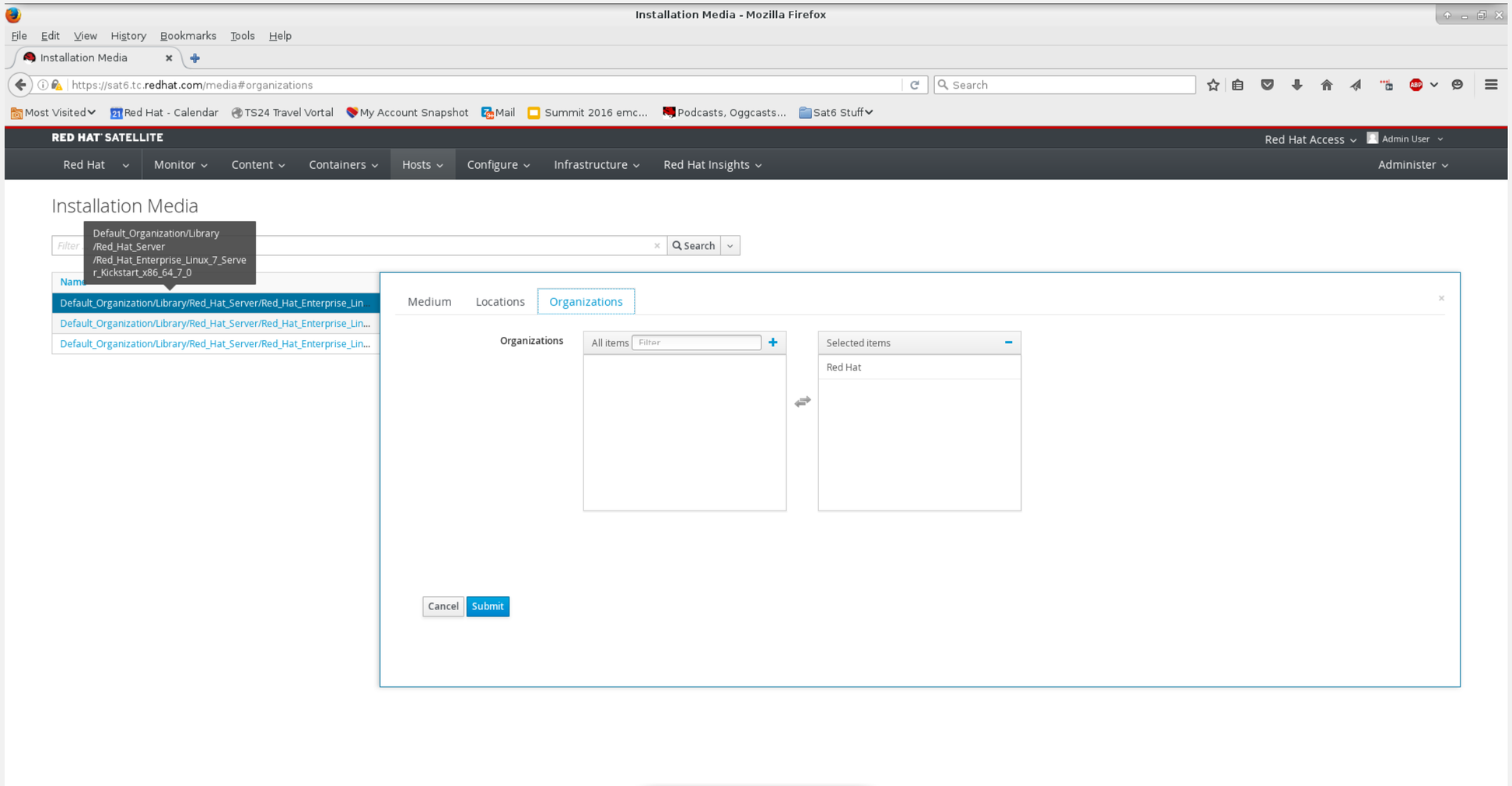
# Add all locations to which you want this media available



# Add all locations to which you want this media available



# Ensure that it's available to the organization



# Repeat for each media set

Installation Media - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Installation Media

https://sat6.tc.redhat.com/media#primary

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Installation Media

Filter... | Search

Default_Organization/Library/Red_Hat_Server/Red_Hat_Enterprise_Linux_7_Server_Kickstart_x86_64_7_1

Name

Default_Organization/Library/Red_Hat_Server/Red_Hat_Enterprise_Lin...

Default_Organization/Library/Red_Hat_Server/Red_Hat_Enterprise_Lin...

Default_Organization/Library/Red_Hat_Server/Red_Hat_Enterprise_Lin...

Medium | Locations | Organizations

Name * Default_Organization/Library/Red_Hat_Server/Red_Hat_Enterprise_l

Path * http://sat6.tc.redhat.com/pulp/repos/Default_Organization/Library/content/dist/rhel/server/7/7.1/x86_64/kickstart/

The path to the medium, can be a URL or a valid NFS server (exclusive of the architecture). for example *http://mirror.centos.org/centos/$version/os/$arch* where **$arch** will be substituted for the host's actual OS architecture and **$version**, **$major** and **$minor** will be substituted for the version of the operating system. Solaris and Debian media may also use **$release**.

Operating system family Red Hat

Cancel | Submit



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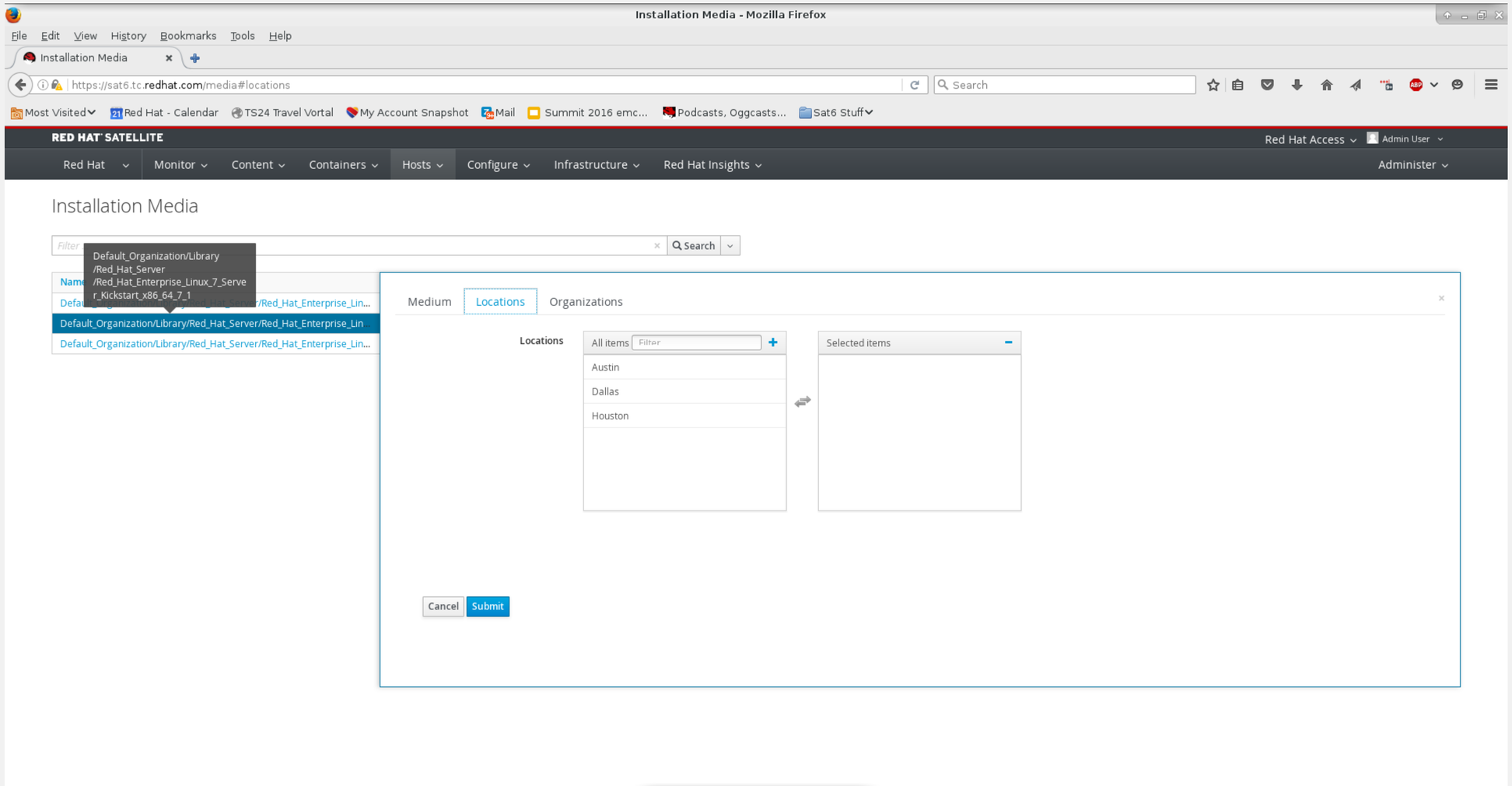
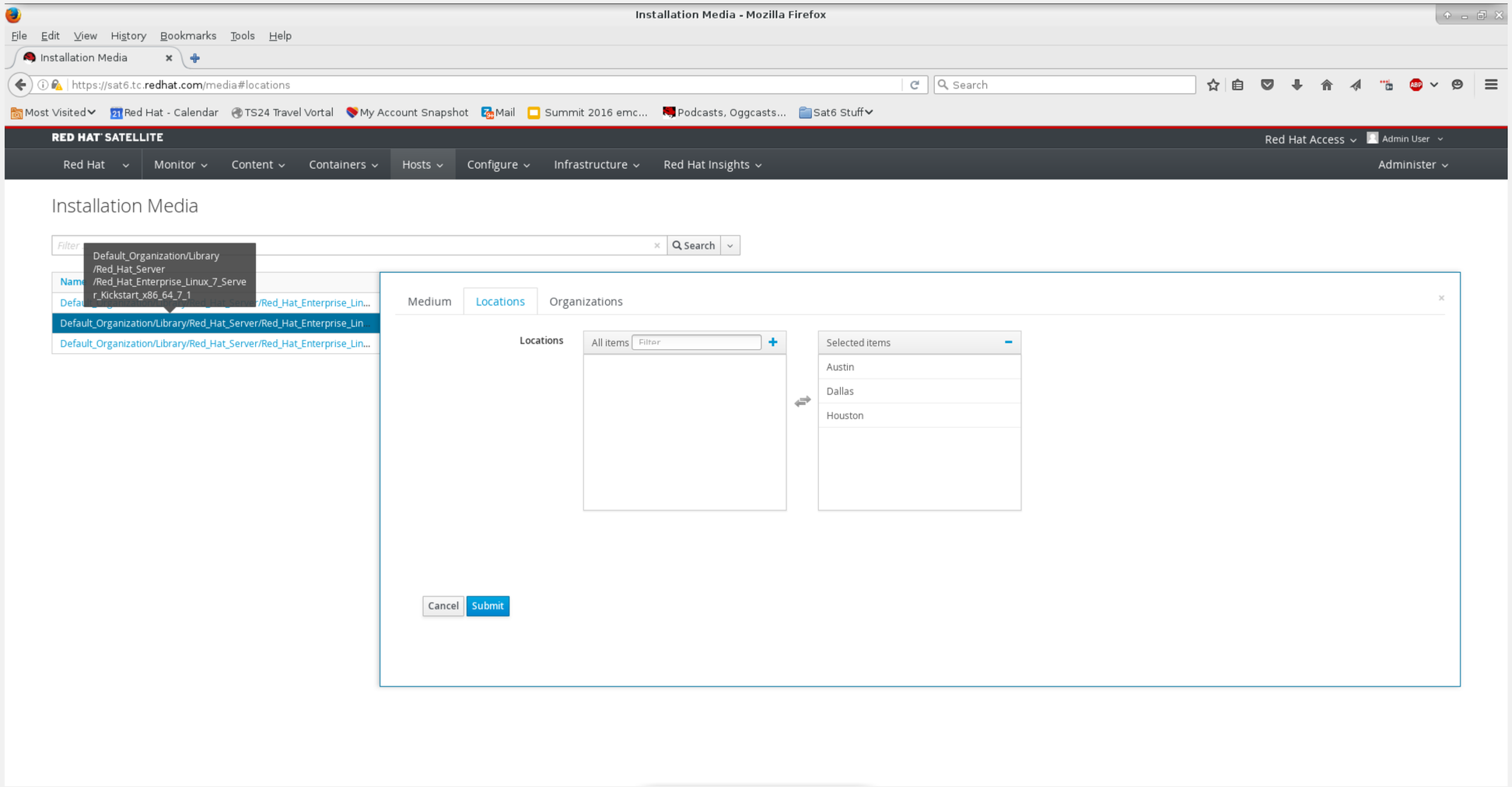
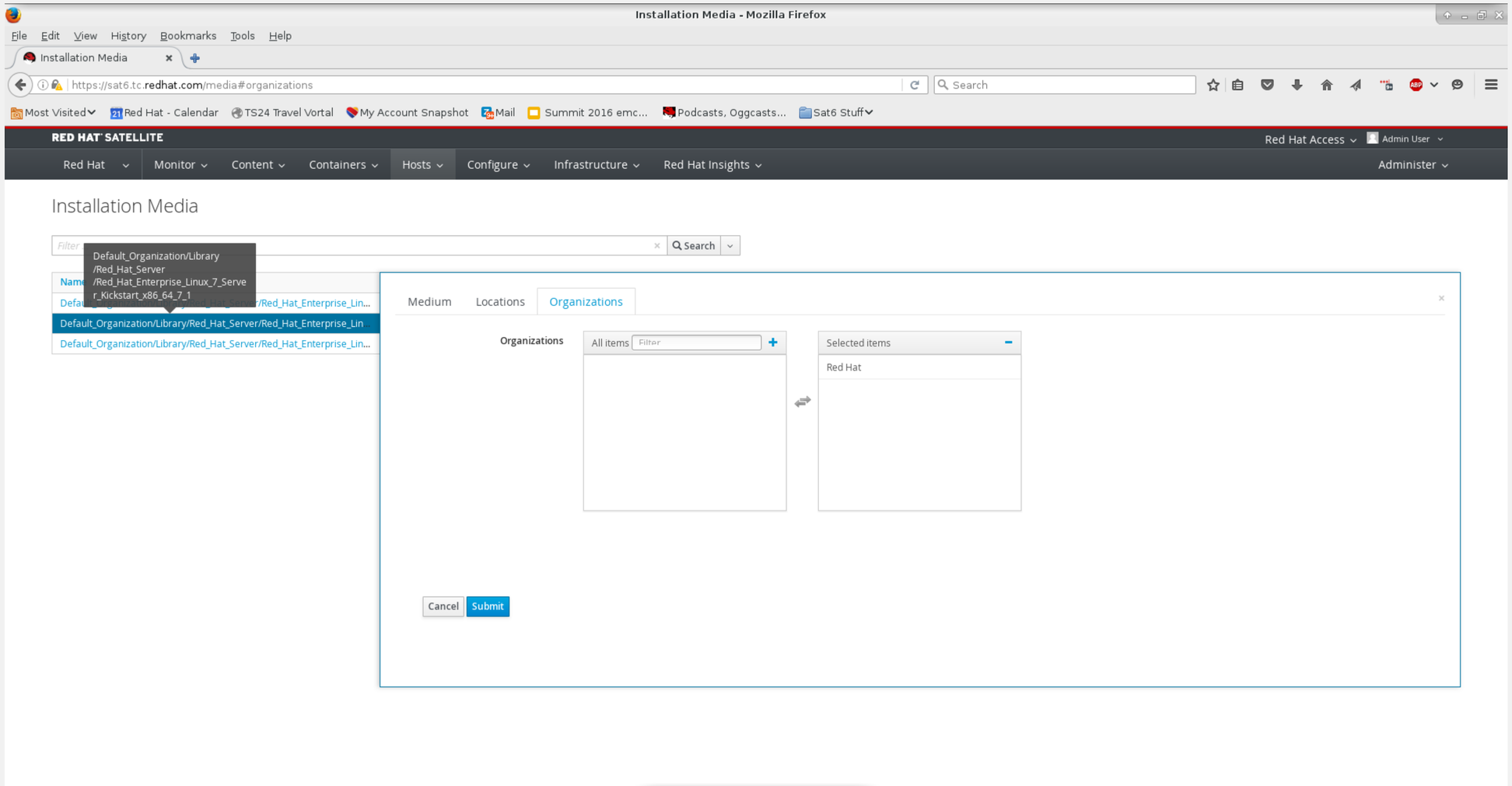
# Repeat for each media set



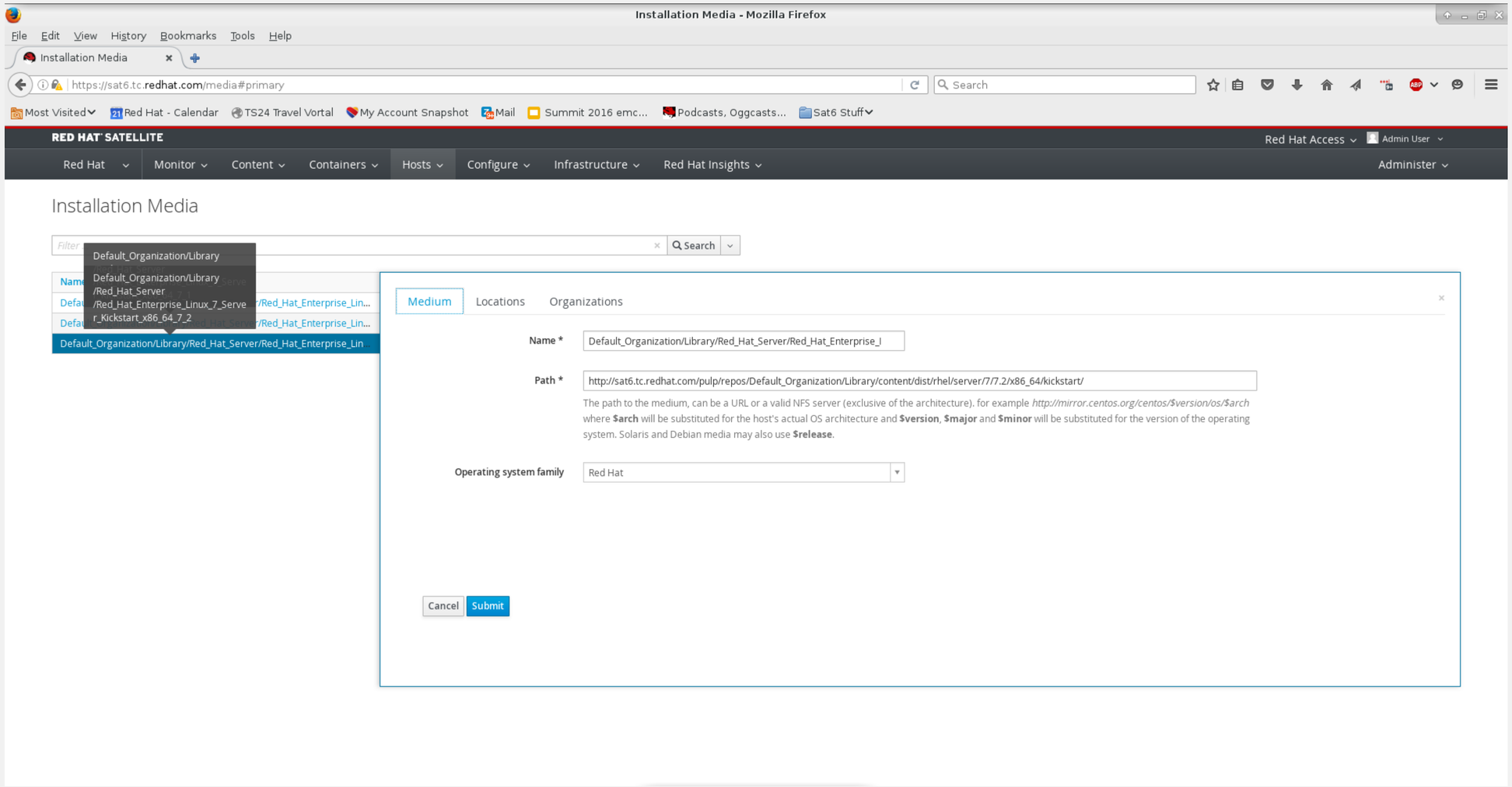
# Repeat for each media set



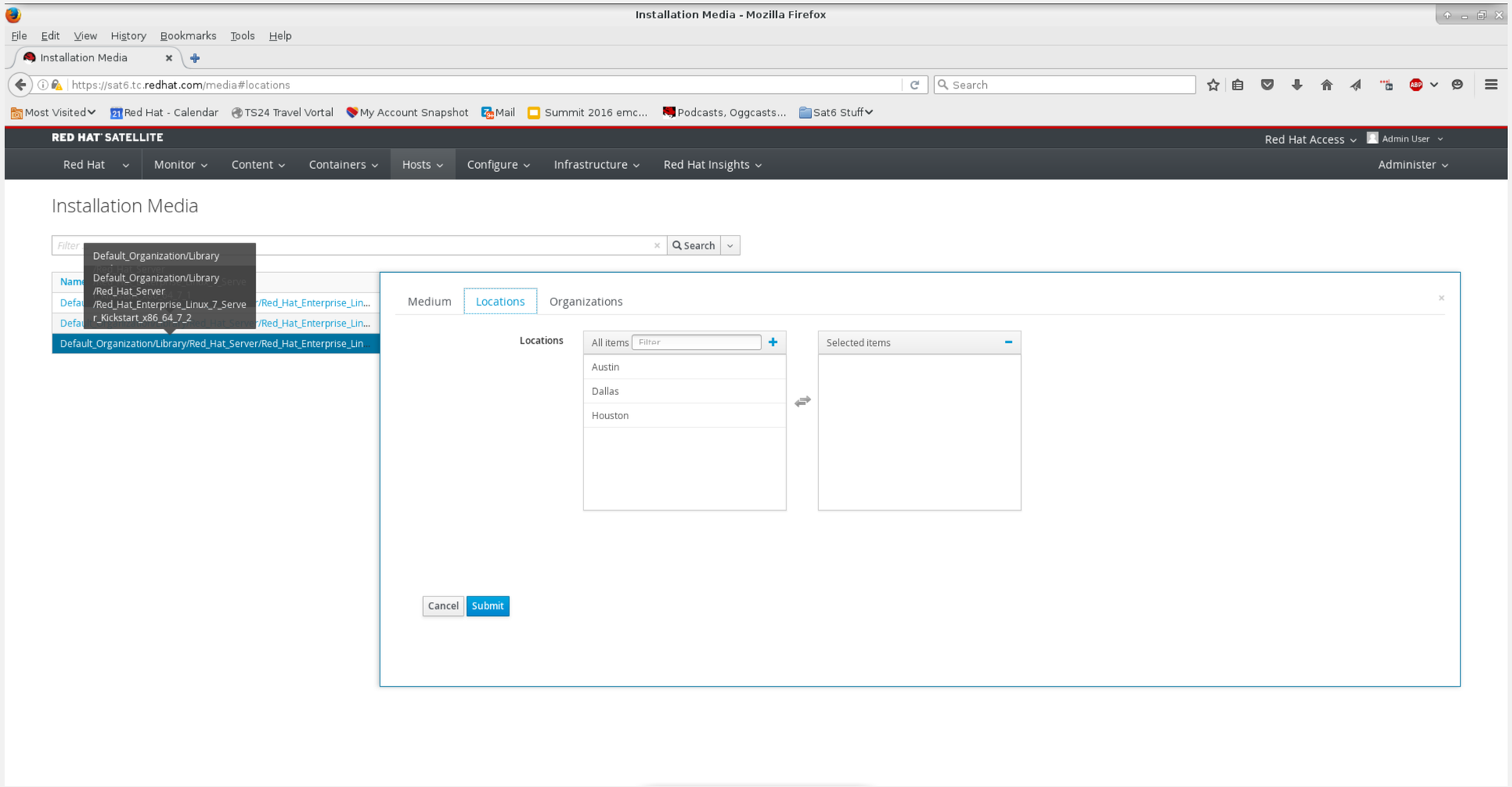
# Repeat for each media set



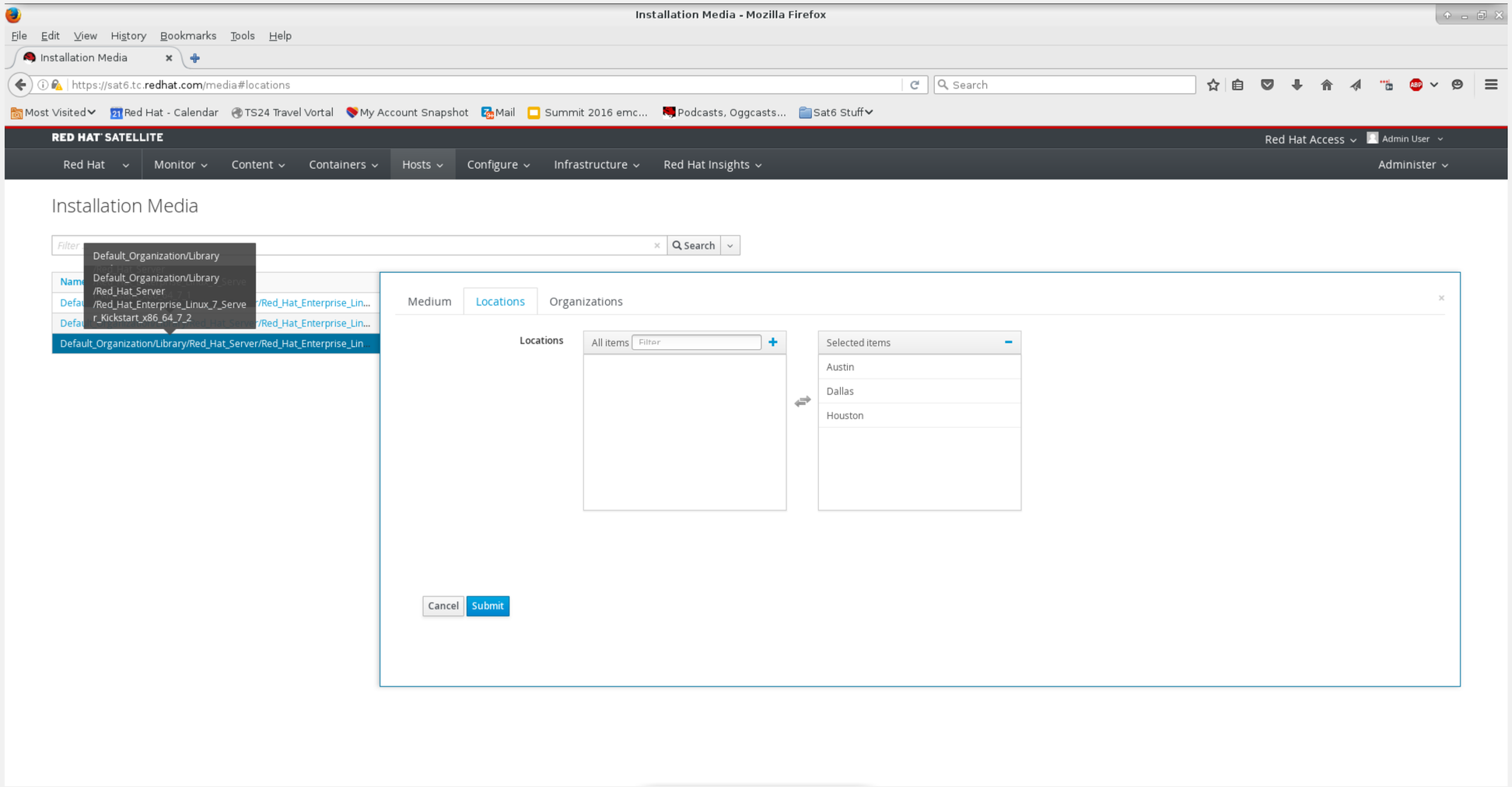
# Repeat for each media set



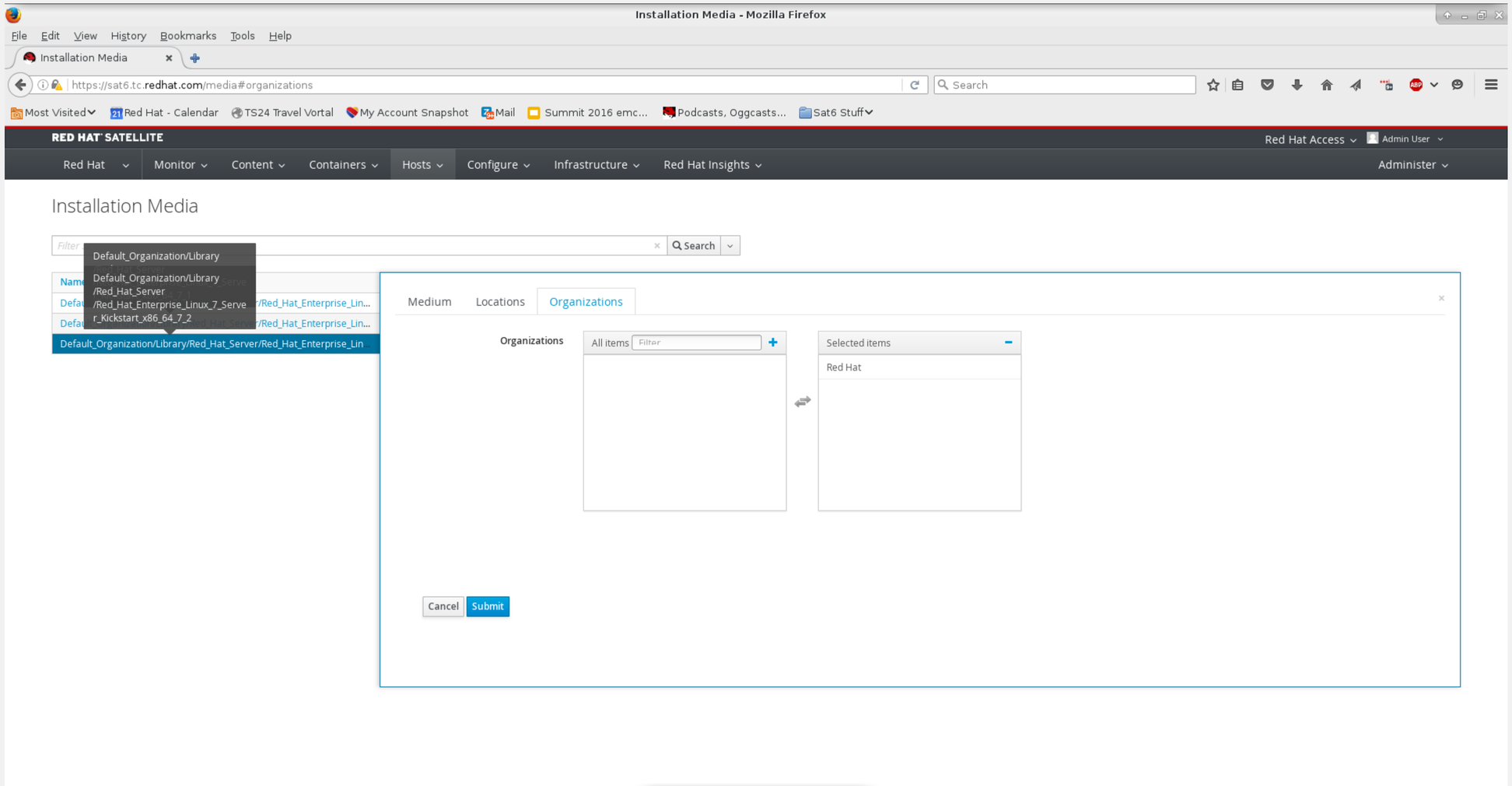
# Repeat for each media set



# Repeat for each media set



# Repeat for each media set



# Provisioning Templates



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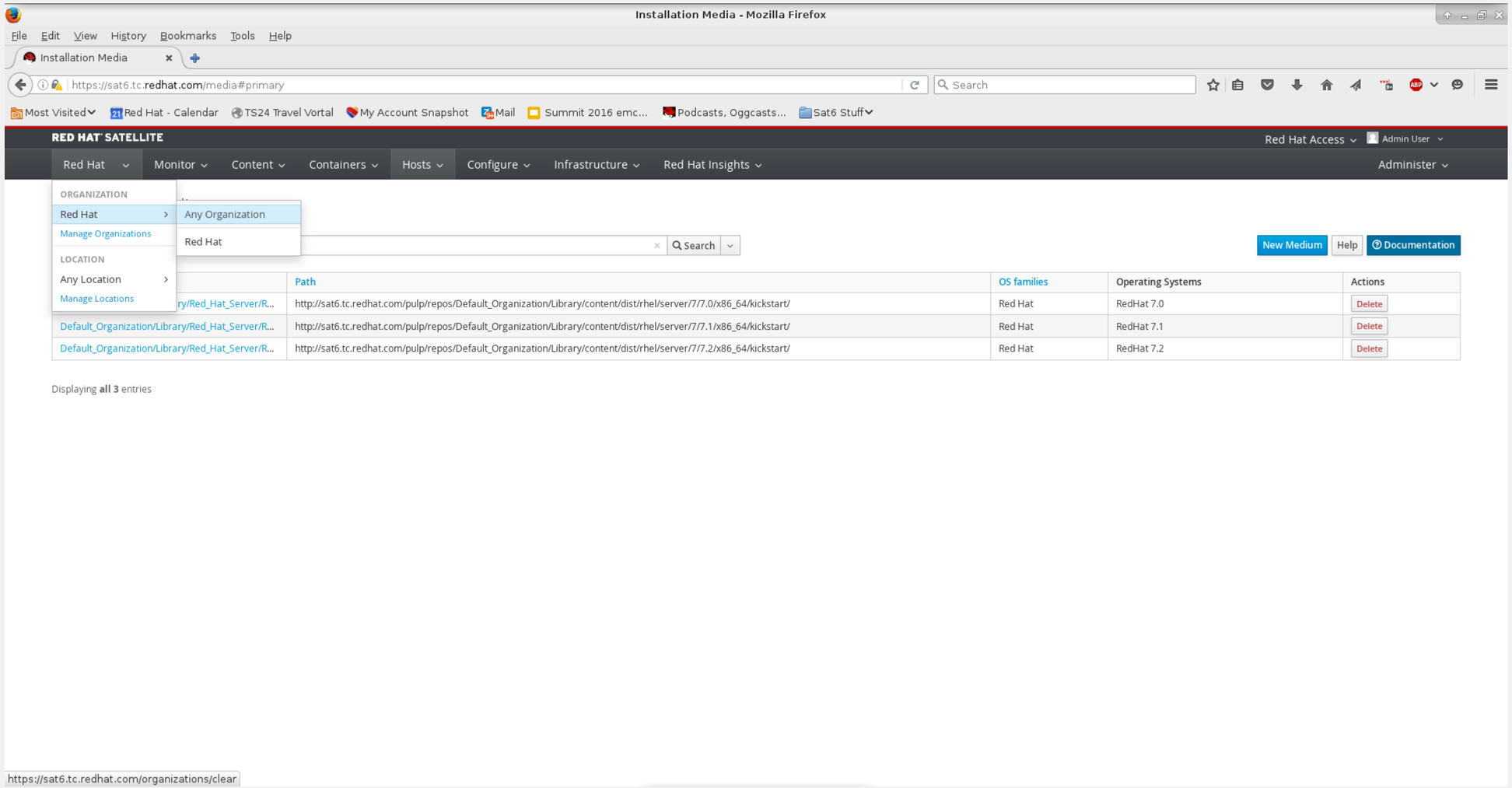
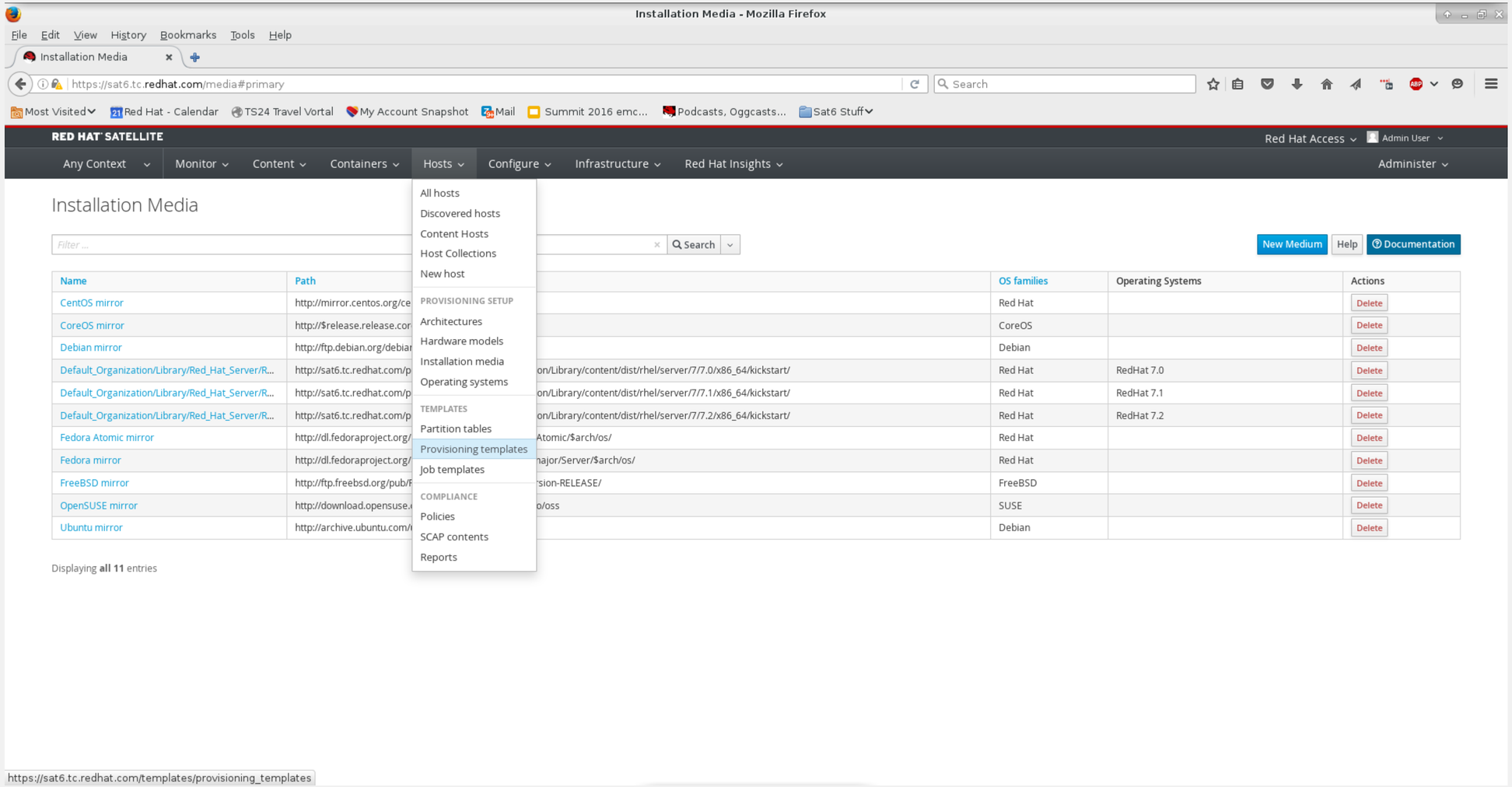
# What are provisioning templates?

- 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.

# Set your context to “Any Organization”



# Go to Hosts/Provisioning Templates



# Note all the templates for all the OSs

Provisioning Templates - Mozilla Firefox

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Provisioning Templates

https://sat6.tc.redhat.com/templates/provisioning_templates

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## Provisioning Templates

Filter ... | Search

New Template | Build PXE Default | Documentation

| Name | Host group / Environment | Kind | Snippet | Locked | Actions |
|---|---|---|---|---|---|
| Alterator default | | Provisioning template | | | Clone |
| Alterator default finish | | Finish template | | | Clone |
| Alterator default PXELinux | | PXELinux template | | | Clone |
| alterator_pkglist | | | ✔ | | Clone |
| Atomic Kickstart default | | Provisioning template | | | Clone |
| AutoYaST default | | Provisioning template | | | Clone |
| AutoYaST default iPXE | | iPXE template | | | Clone |
| AutoYaST default PXELinux | | PXELinux template | | | Clone |
| AutoYaST SLES default | | Provisioning template | | | Clone |
| Boot disk iPXE - generic host | | Bootdisk | | 🔒 | Clone |
| Boot disk iPXE - host | | Bootdisk | | 🔒 | Clone |
| chef_client | | | ✔ | | Clone |
| coreos_cloudconfig | | | ✔ | | Clone |
| CoreOS provision | | Provisioning template | | | Clone |
| CoreOS PXELinux | | PXELinux template | | | Clone |
| Discovery Red Hat kexec | | kexec | | | Clone |
| epel | | | ✔ | | Clone |
| fix_hosts | | | ✔ | | Clone |
| FreeBSD (mfsBSD) finish | | Finish template | | | Clone |
| FreeBSD (mfsBSD) provision | | Provisioning template | | | Clone |

Displaying entries **1 - 20** of **60** in total

« 1 2 3 »



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# Choose Kickstart default iPXE

Provisioning Templates - Mozilla Firefox

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Provisioning Templates

https://sat6.tc.redhat.com/templates/provisioning_templates?page=2

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## Provisioning Templates

Filter ... | Search

New Template | Build PXE Default | Documentation

| Name | Host group / Environment | Kind | Snippet | Locked | Actions |
|---|---|---|---|---|---|
| FreeBSD (mfsBSD) PXELinux | | PXELinux template | | | Clone |
| freeipa_register | | | ✔ | | Clone |
| Grubby default | | Script template | | | Clone |
| http_proxy | | | ✔ | | Clone |
| idm_register | | | ✔ | 🔒 | Clone |
| Jumpstart default | | Provisioning template | | | Clone |
| Jumpstart default finish | | Finish template | | | Clone |
| Jumpstart default PXEGrub | | PXEGrub template | | | Clone |
| Junos default finish | | Finish template | | | Clone |
| Junos default SLAX | | Provisioning template | | | Clone |
| Junos default ZTP config | | ZTP template | | | Clone |
| Kickstart default finish | | Finish template | | | Clone |
| Kickstart default iPXE | | iPXE template | | | Clone |
| Kickstart default PXELinux | | PXELinux template | | | Clone |
| Kickstart default user data | | User data template | | | Clone |
| kickstart_networking_setup | | | ✔ | | Clone |
| NX-OS default POAP setup | | POAP template | | | Clone |
| Preseed default | | Provisioning template | | | Clone |
| Preseed default finish | | Finish template | | | Clone |
| Preseed default iPXE | | iPXE template | | | Clone |

Displaying entries **21 - 40** of **60** in total

« 1 2 3 »



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# Choose Kickstart default iPXE

Provisioning Templates - Mozilla Firefox

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Provisioning Templates

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## Provisioning Templates

Filter ... | Search

| Name |
|---|
| FreeBSD (mfsBSD) PXELinux |
| freeipa_register |
| Grubby default |
| http_proxy |
| idm_register |
| Jumpstart default |
| Jumpstart default finish |
| Jumpstart default PXEGrub |
| Junos default finish |
| Junos default SLAX |
| Junos default ZTP config |
| Kickstart default finish |
| Kickstart default iPXE |
| Kickstart default PXELinux |
| Kickstart default user data |
| kickstart_networking_setup |
| NX-OS default POAP setup |
| Preseed default |
| Preseed default finish |
| Preseed default iPXE |

Template | Type | Association | History | Locations | Organizations

Name * Kickstart default iPXE

Default ☑

Default templates are automatically added to new organizations and locations

Check out some useful template functions and macros

Template editor

Input | Diff | Preview | ruby | Default

```
#!gpxe
<%#
kind: iPXE
name: Kickstart default iPXE
oses:
- CentOS 5
- CentOS 6
- CentOS 7
- Fedora 16
- Fedora 17
- Fedora 18
- Fedora 19
- Fedora 20
- RedHat 5
- RedHat 6
- RedHat 7
%>
<% subnet = @host.subnet -%>
<% if subnet.respond_to?(:dhcp_boot_mode?) && subnet.dhcp_boot_mode? -%>
```



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# Verify this kickstart is available for your OSs

Provisioning Templates - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Provisioning Templates

https://sat6.tc.redhat.com/templates/provisioning_templates?page=2#template_associations

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RED HAT SATELLITE

Red Hat Access | Admin User

Any Context | Monitor | Content | Containers | Hosts | Configure | Infrastructure | Red Hat Insights | Administer

## Provisioning Templates

Filter ... | Search

| Name |
|---|
| FreeBSD (mfsBSD) PXELinux |
| freeipa_register |
| Grubby default |
| http_proxy |
| idm_register |
| Jumpstart default |
| Jumpstart default finish |
| Jumpstart default PXEGrub |
| Junos default finish |
| Junos default SLAX |
| Junos default ZTP config |
| Kickstart default finish |
| Kickstart default iPXE |
| Kickstart default PXELinux |
| Kickstart default user data |
| kickstart_networking_setup |
| NX-OS default POAP setup |
| Preseed default |
| Preseed default finish |
| Preseed default iPXE |

Template | Type | Association | History | Locations | Organizations

**How templates are determined**

When editing a template, you must assign a listof operating systems which this template can be used with. Optionally, you canrestrict a template to a list of host groups and/or environments.

When a Host requests a template (e.g. during provisioning), Satellitewill select the best match from the available templates of that type, in thefollowing order:

- Host group and Environment
- Host group only
- Environment only
- Operating system default

The final entry, Operating System default, can be set by editing the Operating System page.

**Applicable Operating Systems**

All items | Filter

Selected items

- RedHat 7.0
- RedHat 7.1
- RedHat 7.2
- Red Hat Enterprise Linux Atomic Host 7.2

Valid host group and environment combinations

+ Add combination



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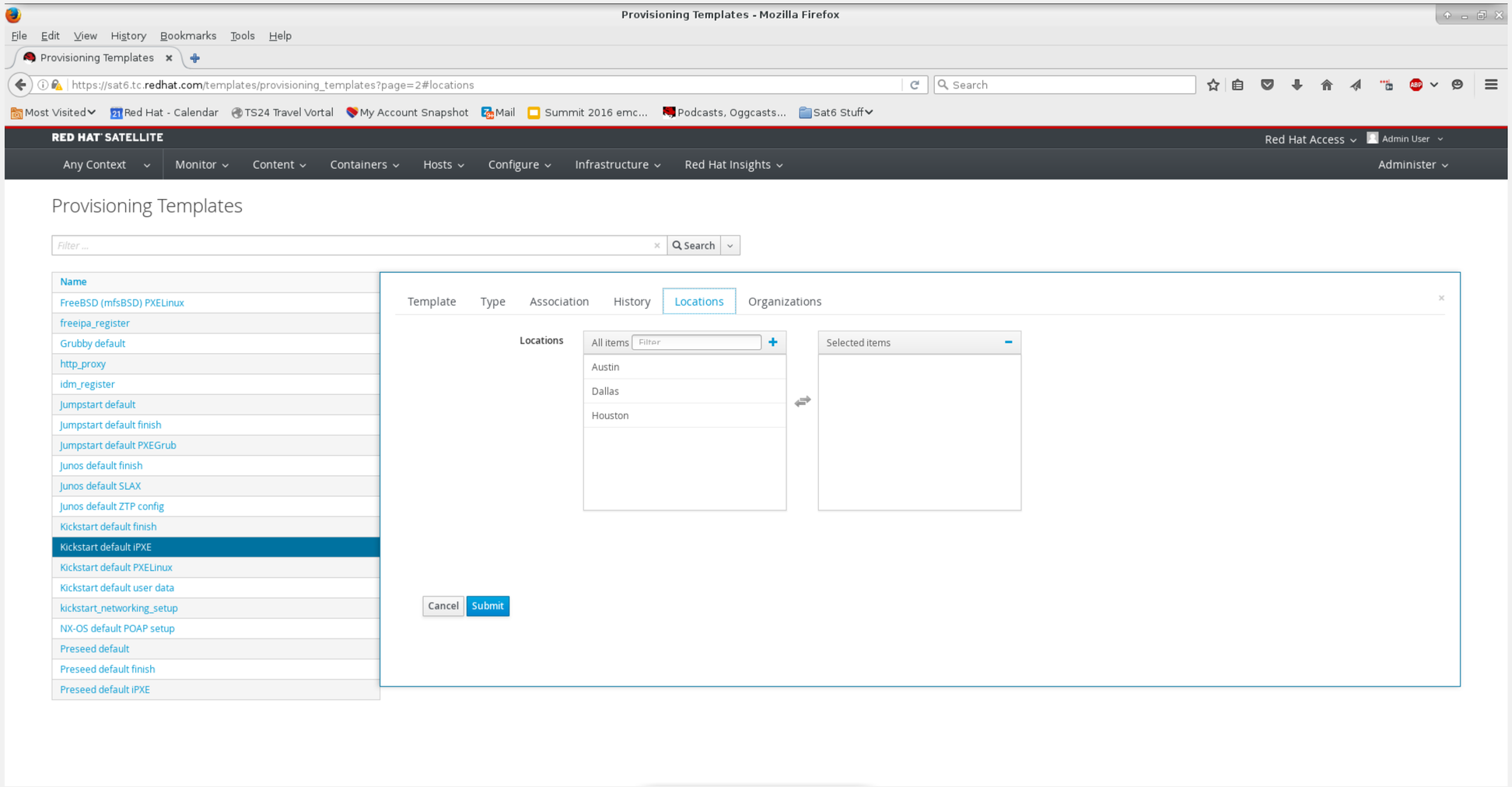
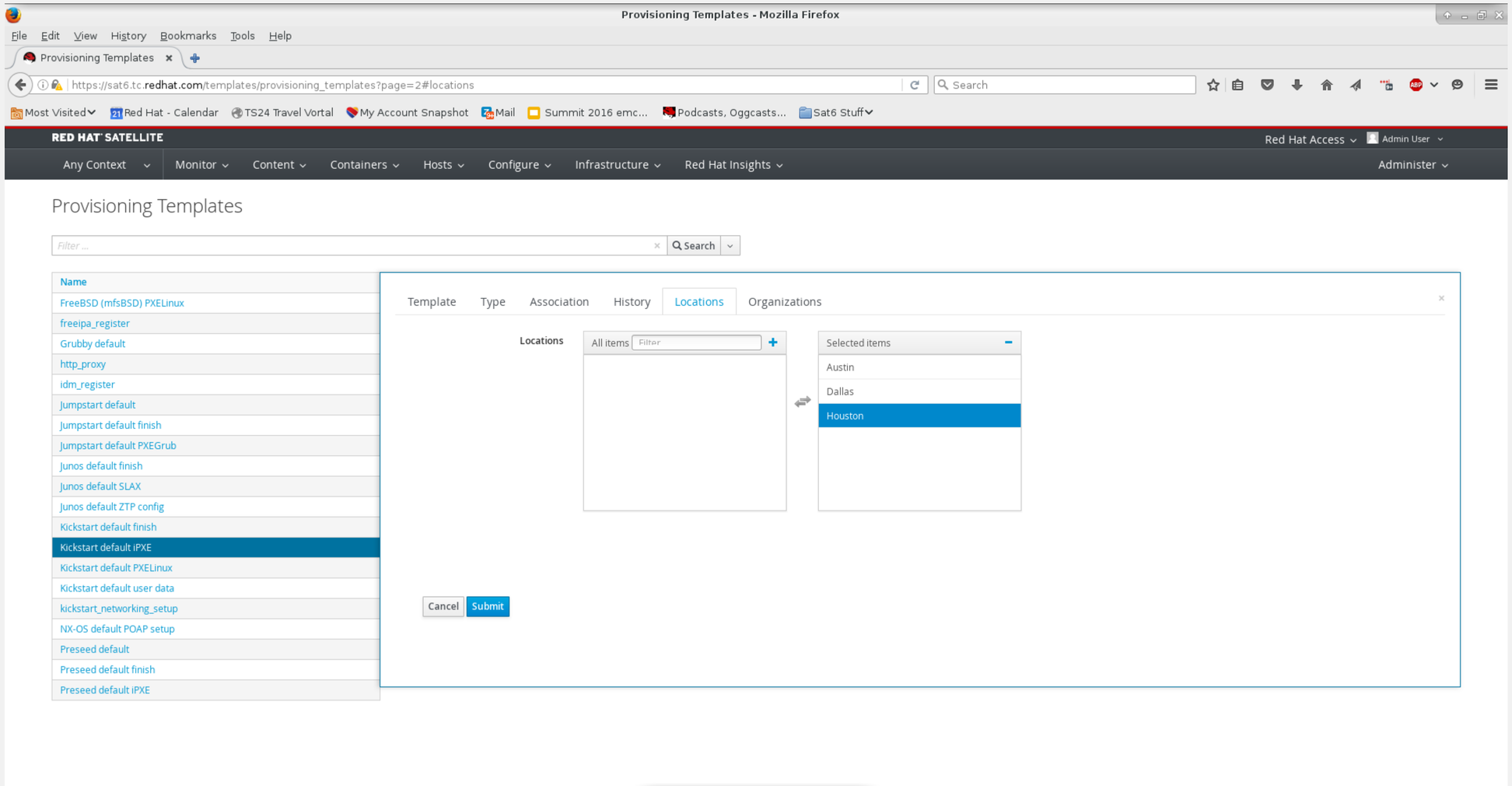
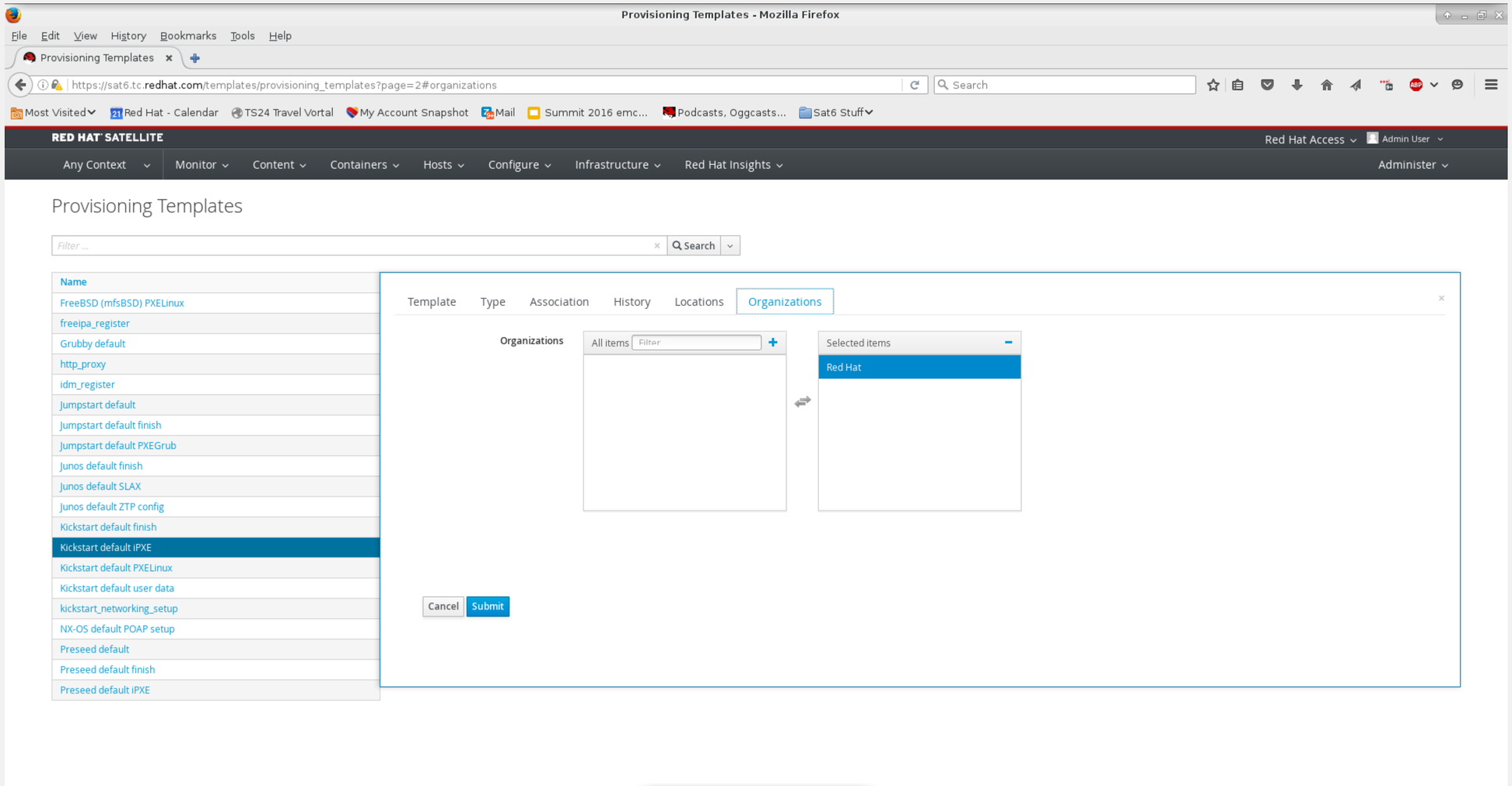
# Add the locations for which this template is available



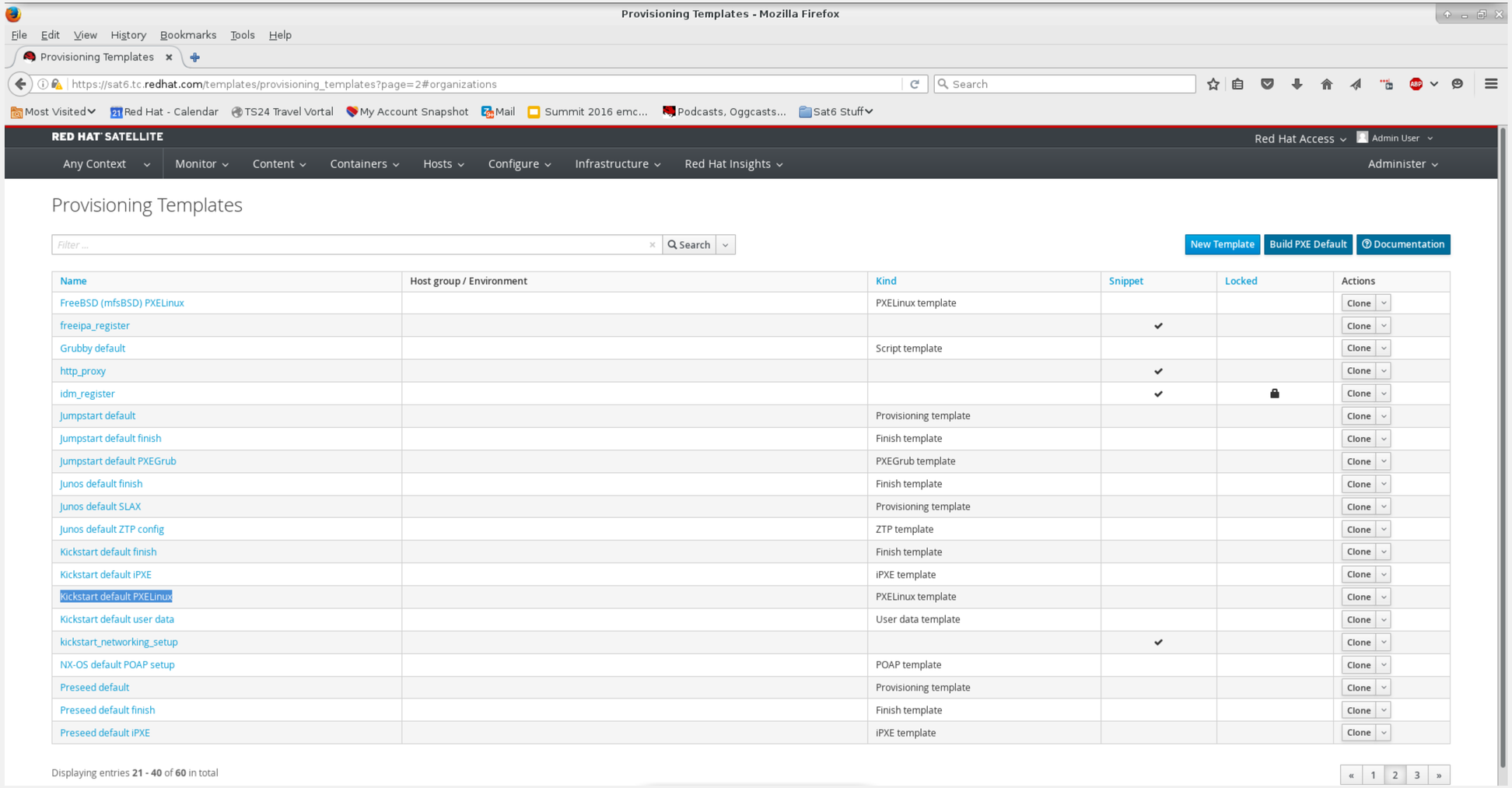
# Add the locations for which this template is available



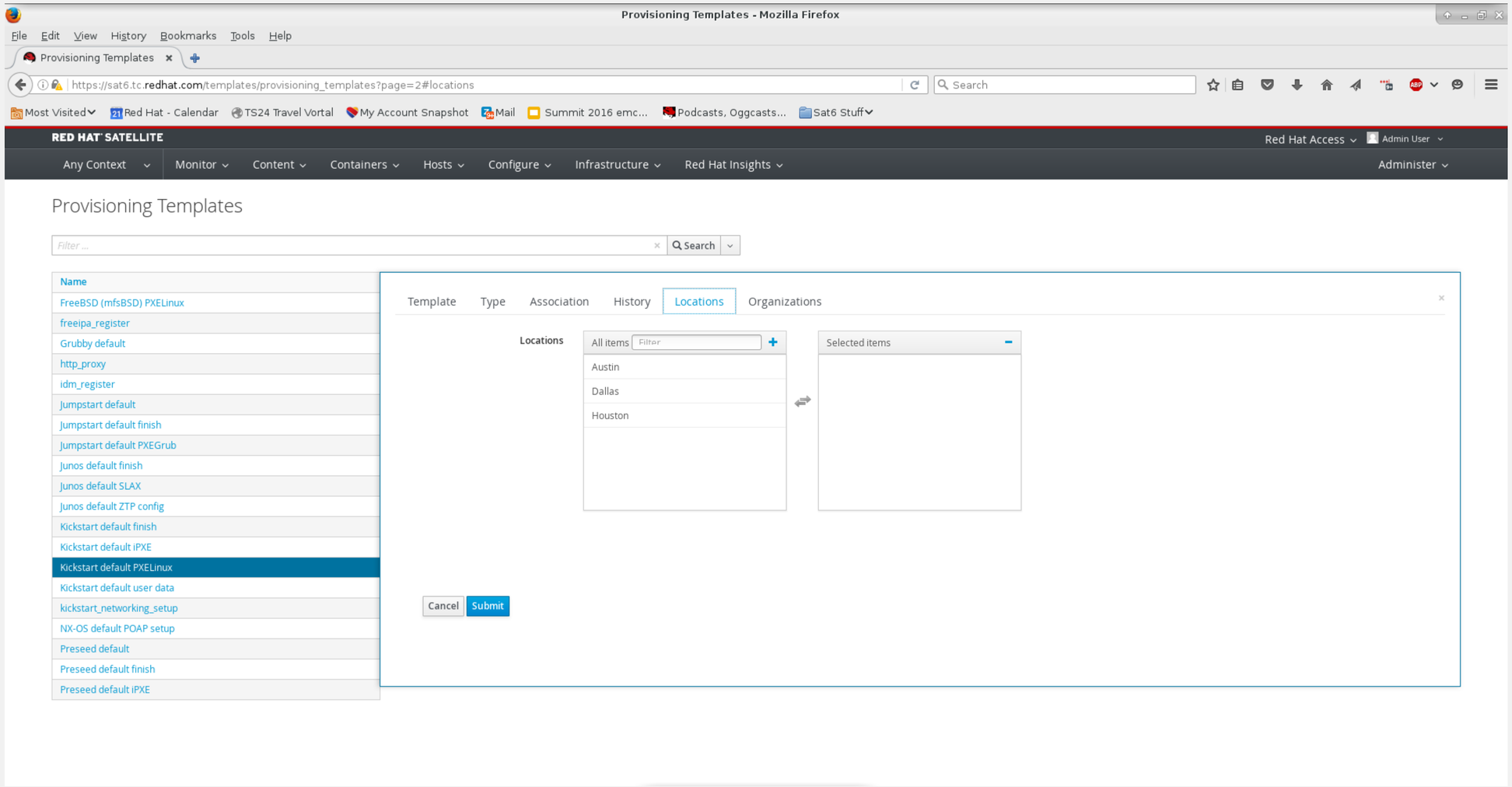
# Verify the organization



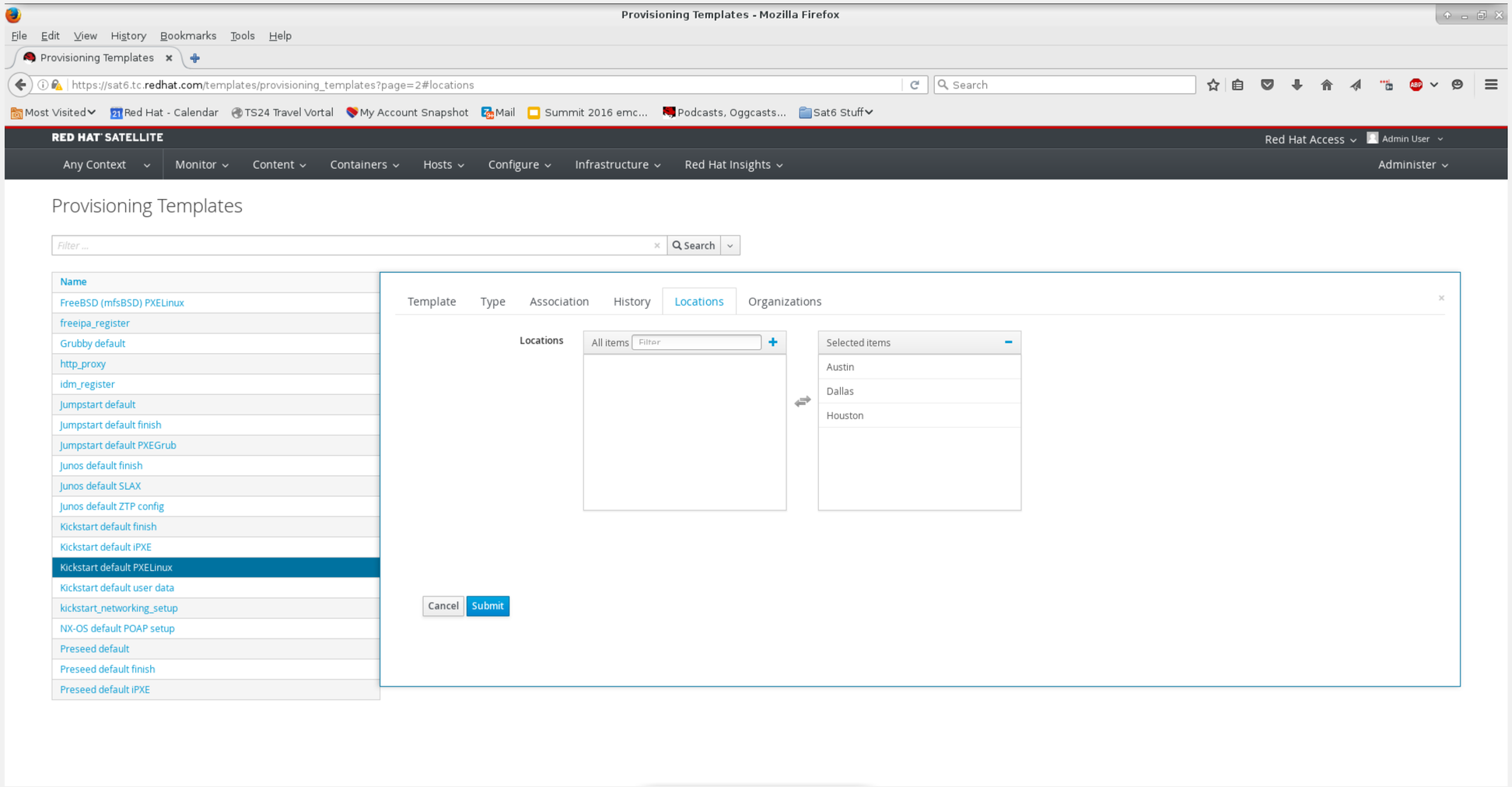
# Choose Kickstart default PXELinux



# Enable the locations



# Enable the locations



# Ditto Satellite Kickstart Default

Provisioning Templates - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Provisioning Templates

https://sat6.tc.redhat.com/templates/provisioning_templates?page=3

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RED HAT SATELLITE

Red Hat Access | Admin User

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## Provisioning Templates

Filter ... | Search

New Template | Build PXE Default | Documentation

| Name | Host group / Environment | Kind | Snippet | Locked | Actions |
|---|---|---|---|---|---|
| Preseed default PXELinux | | PXELinux template | | | Clone |
| Preseed default user data | | User data template | | | Clone |
| preseed_networking_setup | | | ✔ | | Clone |
| puppet.conf | | | ✔ | | Clone |
| PXEGrub default local boot | | PXEGrub template | | | Clone |
| PXELinux chain iPXE | | PXELinux template | | | Clone |
| PXELinux chain iPXE UNDI | | PXELinux template | | | Clone |
| PXELinux default local boot | | PXELinux template | | | Clone |
| PXELinux default memdisk | | PXELinux template | | | Clone |
| PXELinux global default | | PXELinux template | | | Clone |
| redhat_register | | | ✔ | | Clone |
| remote_execution_ssh_keys | | | ✔ | | Clone |
| saltstack_minion | | | ✔ | | Clone |
| Satellite Atomic Kickstart Default | | Provisioning template | | 🔒 | Clone |
| Satellite Kickstart Default | | Provisioning template | | 🔒 | Clone |
| Satellite Kickstart Default Finish | | Finish template | | 🔒 | Clone |
| Satellite Kickstart Default User Data | | User data template | | 🔒 | Clone |
| subscription_manager_registration | | | ✔ | 🔒 | Clone |
| UserData default | | User data template | | | Clone |
| WAIK default PXELinux | | PXELinux template | | | Clone |

Displaying entries **41 - 60** of **60** in total

« 1 2 3 »



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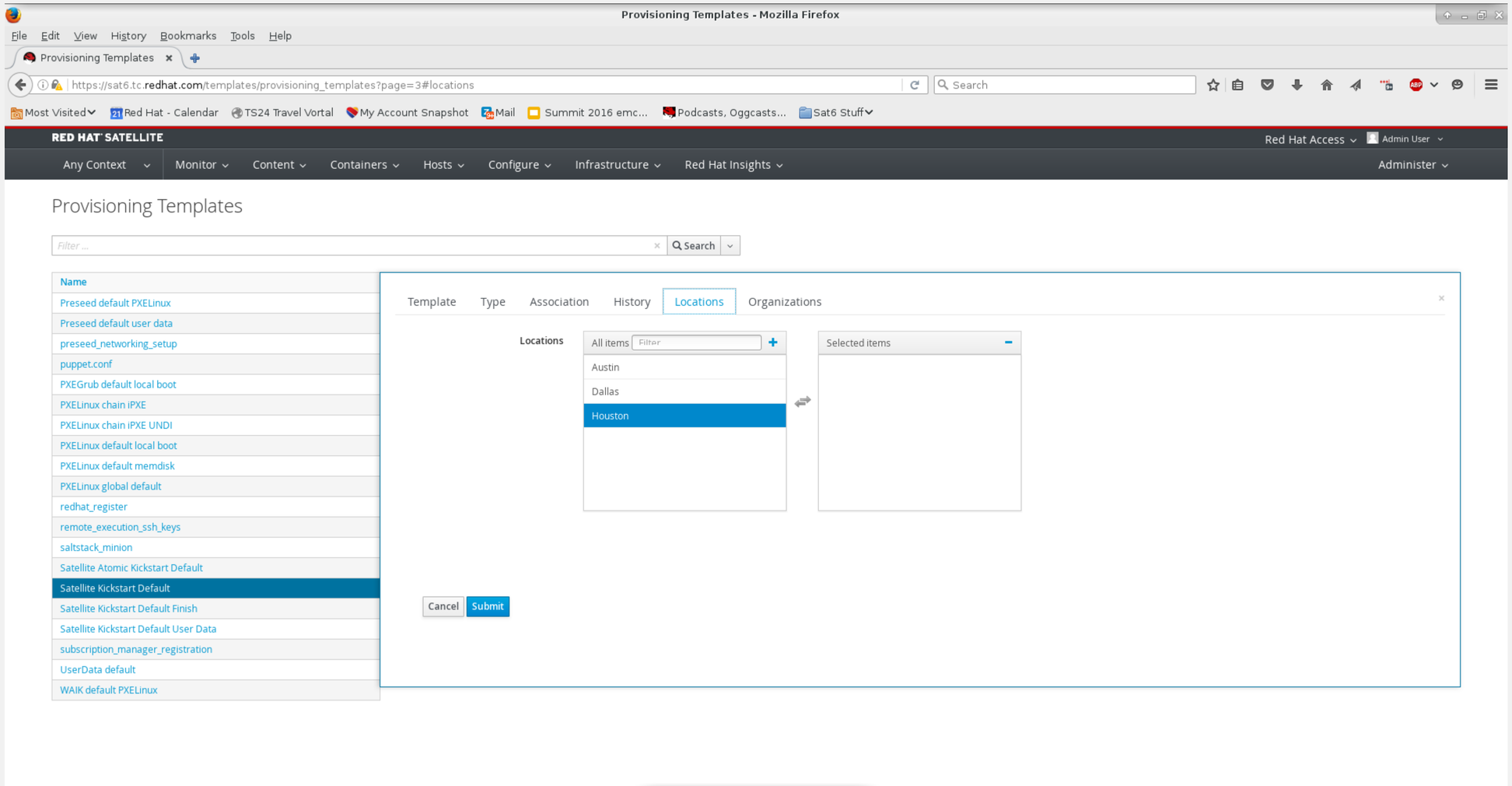
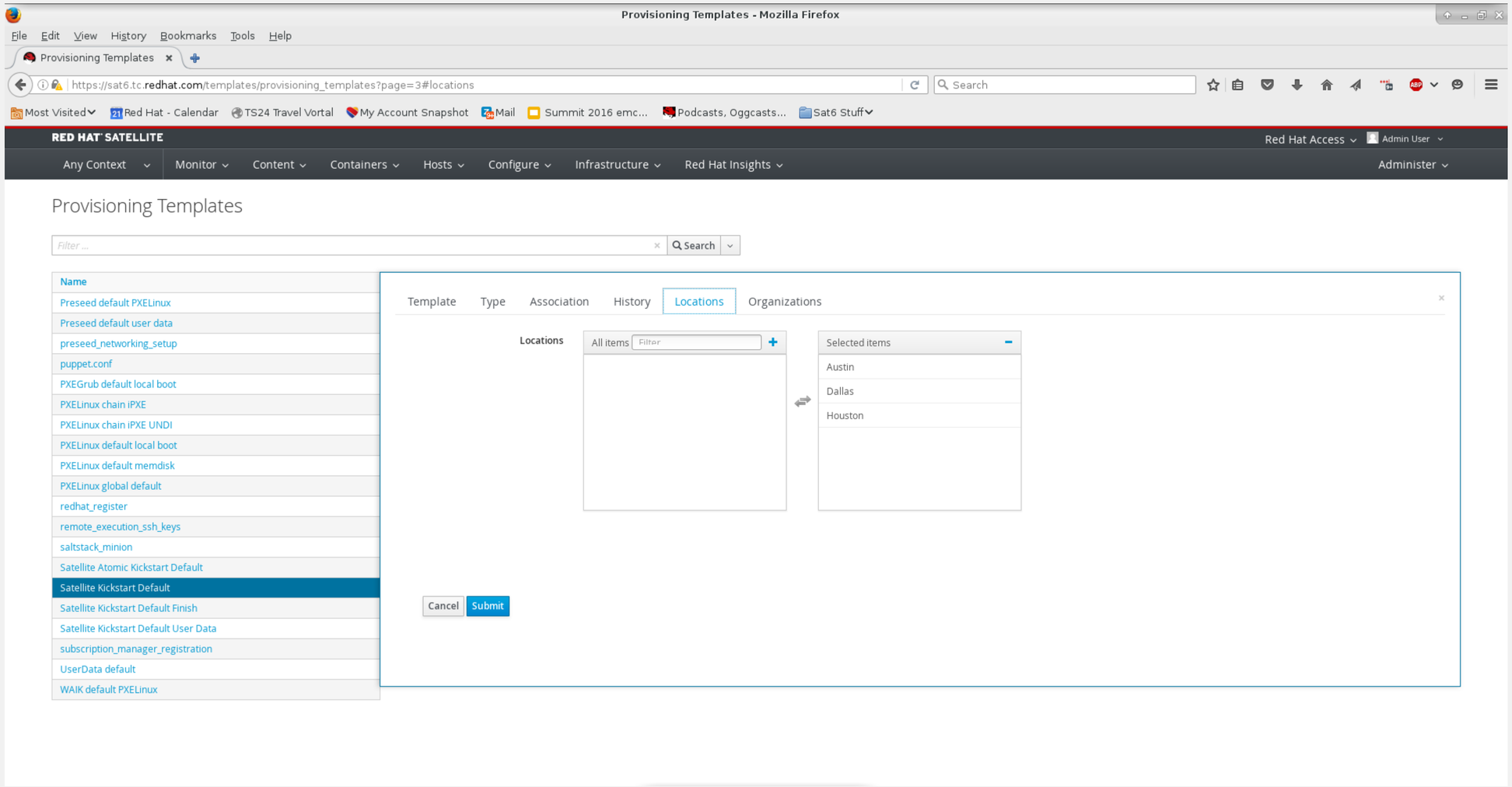
# Ditto Satellite Kickstart Default



# Ditto Satellite Kickstart Default



# Also Satellite Kickstart Default Finish

Provisioning Templates - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Provisioning Templates

https://sat6.tc.redhat.com/templates/provisioning_templates?page=3#locations

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## Provisioning Templates

Filter ... | Search

New Template | Build PXE Default | Documentation

| Name | Host group / Environment | Kind | Snippet | Locked | Actions |
|---|---|---|---|---|---|
| Preseed default PXELinux | | PXELinux template | | | Clone |
| Preseed default user data | | User data template | | | Clone |
| preseed_networking_setup | | | ✔ | | Clone |
| puppet.conf | | | ✔ | | Clone |
| PXEGrub default local boot | | PXEGrub template | | | Clone |
| PXELinux chain iPXE | | PXELinux template | | | Clone |
| PXELinux chain iPXE UNDI | | PXELinux template | | | Clone |
| PXELinux default local boot | | PXELinux template | | | Clone |
| PXELinux default memdisk | | PXELinux template | | | Clone |
| PXELinux global default | | PXELinux template | | | Clone |
| redhat_register | | | ✔ | | Clone |
| remote_execution_ssh_keys | | | ✔ | | Clone |
| saltstack_minion | | | ✔ | | Clone |
| Satellite Atomic Kickstart Default | | Provisioning template | | 🔒 | Clone |
| Satellite Kickstart Default | | Provisioning template | | 🔒 | Clone |
| Satellite Kickstart Default Finish | | Finish template | | 🔒 | Clone |
| Satellite Kickstart Default User Data | | User data template | | 🔒 | Clone |
| subscription_manager_registration | | | ✔ | 🔒 | Clone |
| UserData default | | User data template | | | Clone |
| WAIK default PXELinux | | PXELinux template | | | Clone |

Displaying entries **41 - 60** of **60** in total

« 1 2 3 »



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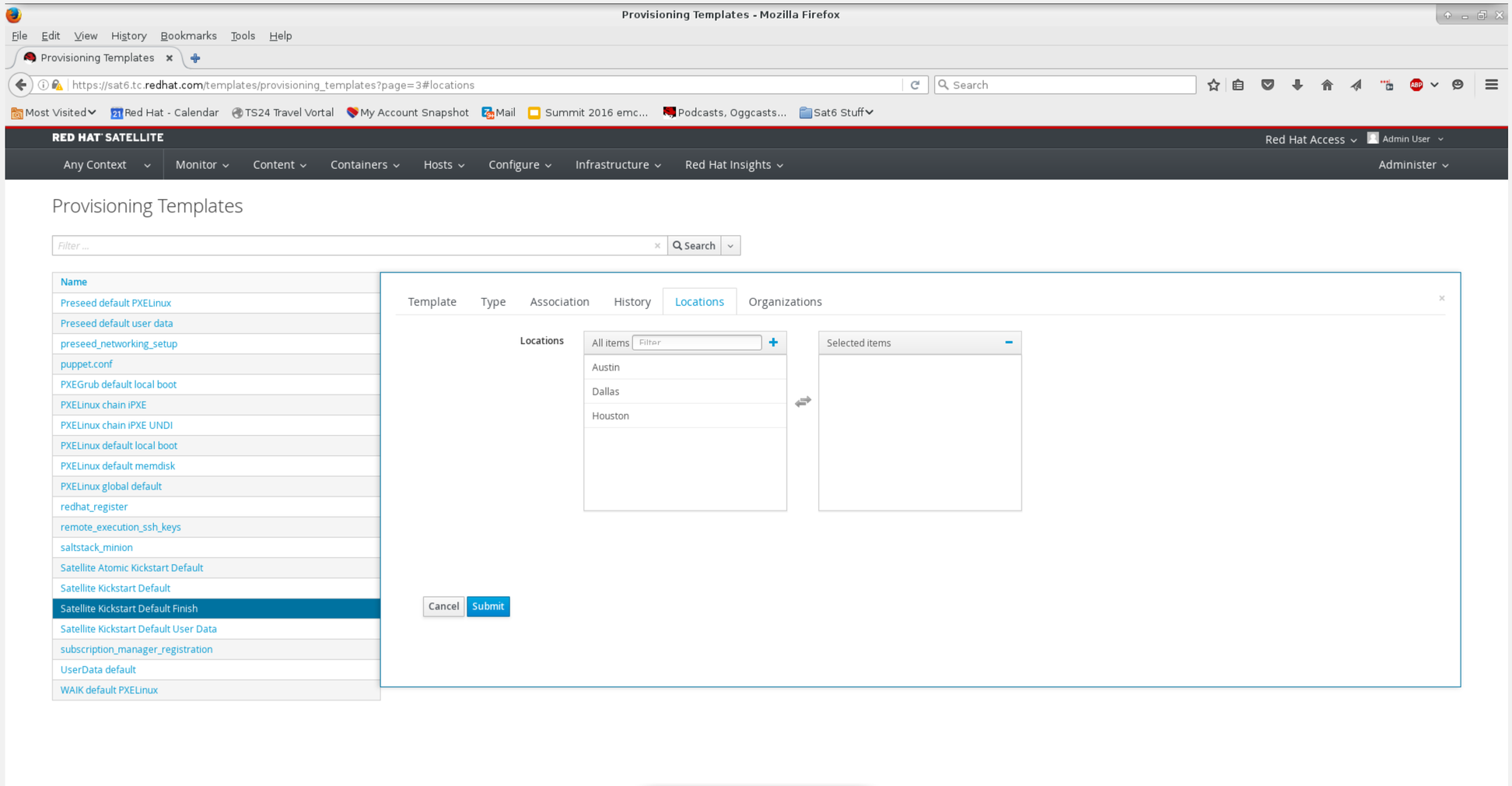
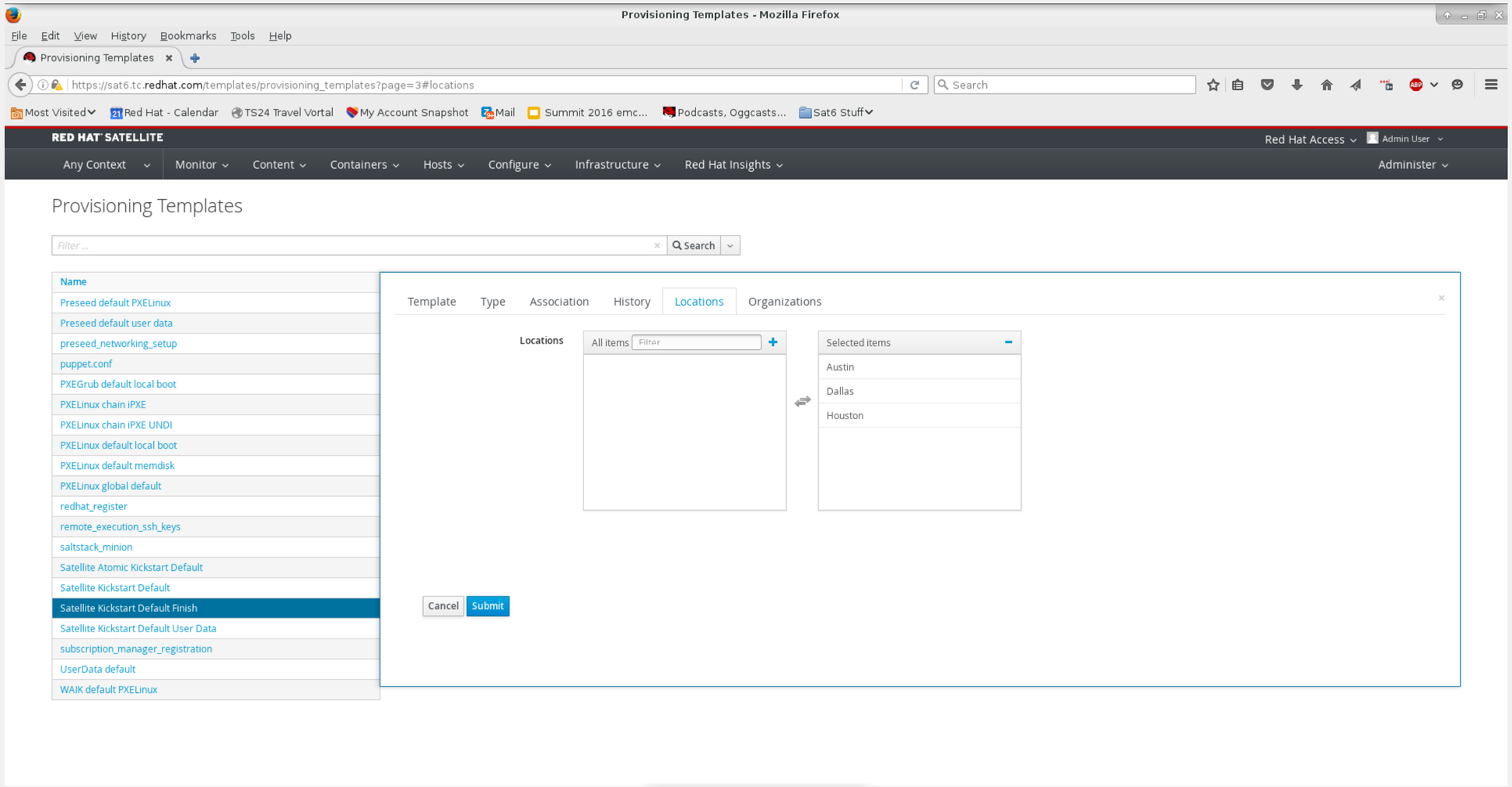
# Also Satellite Kickstart Default Finish



# Also Satellite Kickstart Default Finish



# And Satellite Kickstart Default User Data

Provisioning Templates - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Provisioning Templates

https://sat6.tc.redhat.com/templates/provisioning_templates?page=3#organizations

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## Provisioning Templates

Filter ... | Search

New Template | Build PXE Default | Documentation

| Name | Host group / Environment | Kind | Snippet | Locked | Actions |
|---|---|---|---|---|---|
| Preseed default PXELinux | | PXELinux template | | | Clone |
| Preseed default user data | | User data template | | | Clone |
| preseed_networking_setup | | | ✔ | | Clone |
| puppet.conf | | | ✔ | | Clone |
| PXEGrub default local boot | | PXEGrub template | | | Clone |
| PXELinux chain iPXE | | PXELinux template | | | Clone |
| PXELinux chain iPXE UNDI | | PXELinux template | | | Clone |
| PXELinux default local boot | | PXELinux template | | | Clone |
| PXELinux default memdisk | | PXELinux template | | | Clone |
| PXELinux global default | | PXELinux template | | | Clone |
| redhat_register | | | ✔ | | Clone |
| remote_execution_ssh_keys | | | ✔ | | Clone |
| saltstack_minion | | | ✔ | | Clone |
| Satellite Atomic Kickstart Default | | Provisioning template | | 🔒 | Clone |
| Satellite Kickstart Default | | Provisioning template | | 🔒 | Clone |
| Satellite Kickstart Default Finish | | Finish template | | 🔒 | Clone |
| Satellite Kickstart Default User Data | | User data template | | 🔒 | Clone |
| subscription_manager_registration | | | ✔ | 🔒 | Clone |
| UserData default | | User data template | | | Clone |
| WAIK default PXELinux | | PXELinux template | | | Clone |

Displaying entries **41 - 60** of **60** in total

« 1 2 3 »



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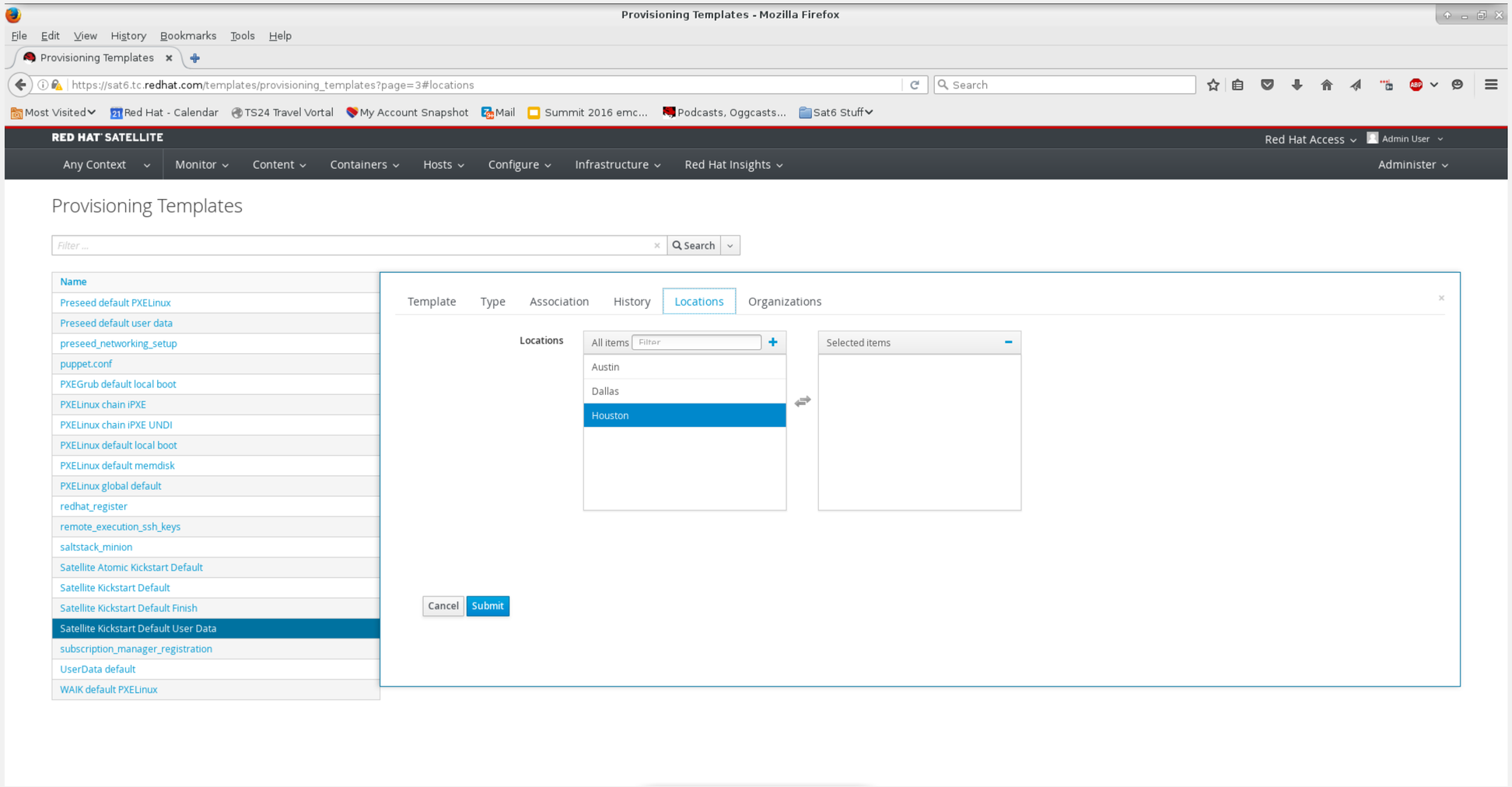
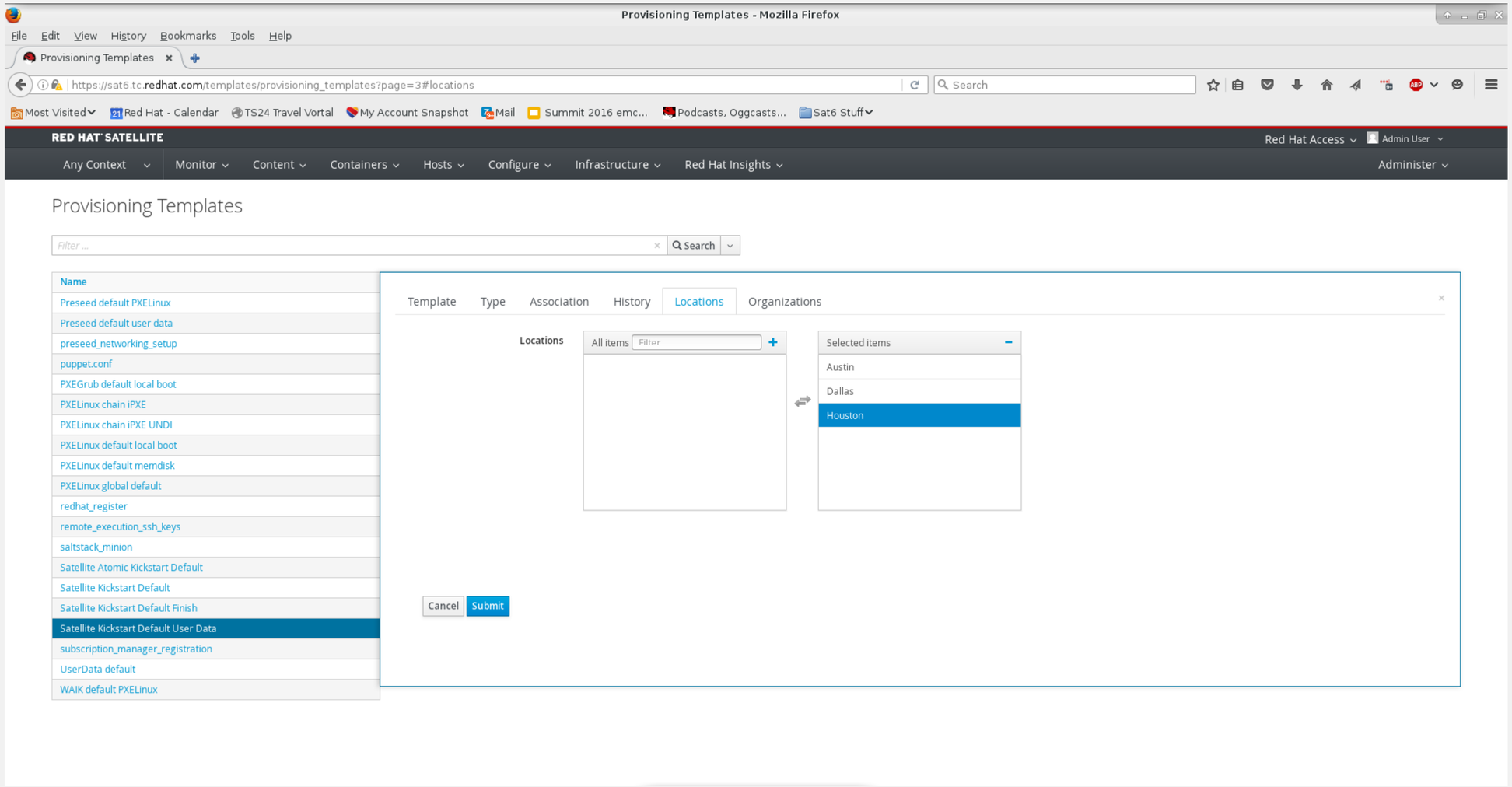
# And Satellite Kickstart Default User Data



# And Satellite Kickstart Default User Data



# Activation Keys



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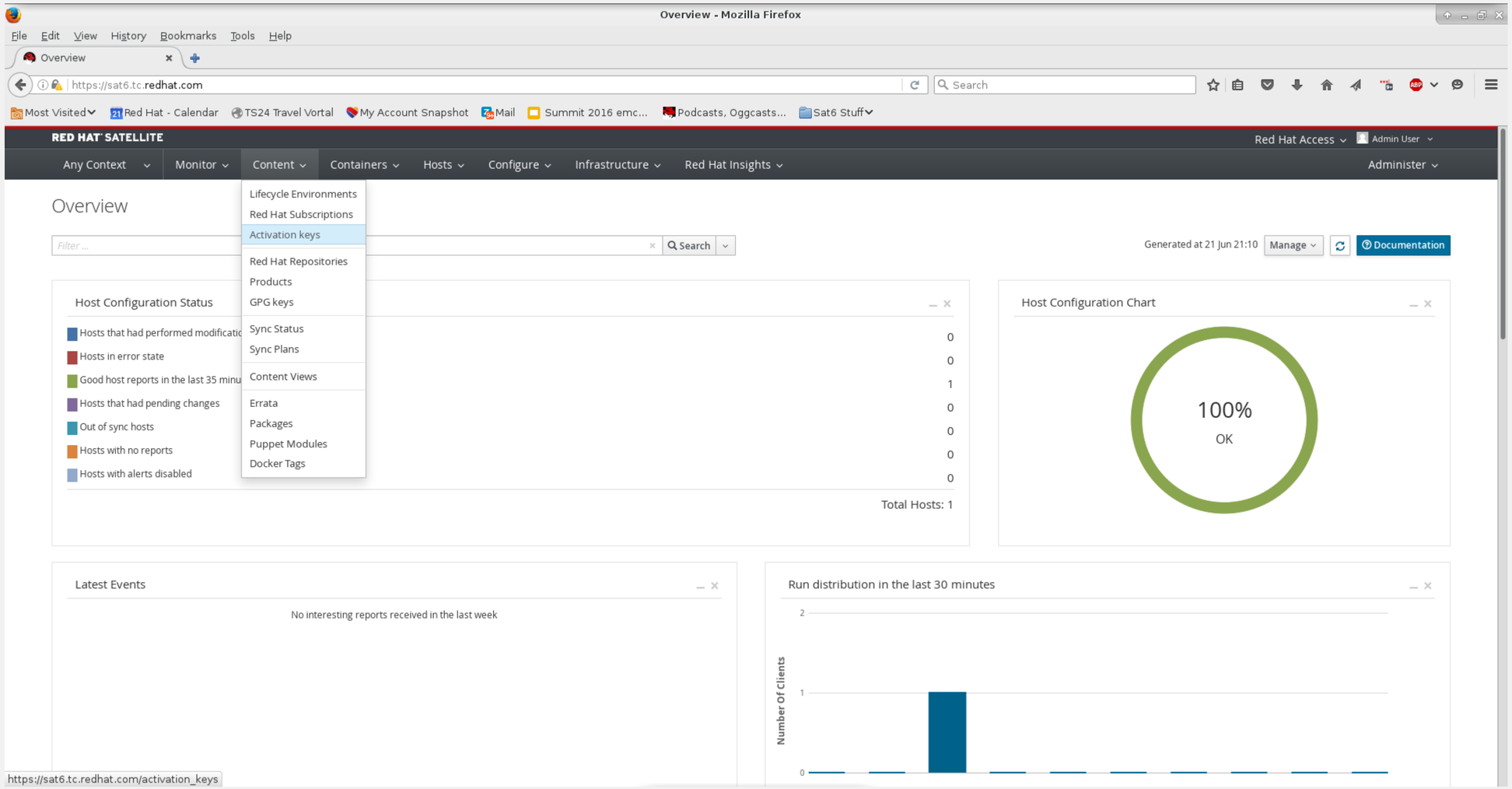
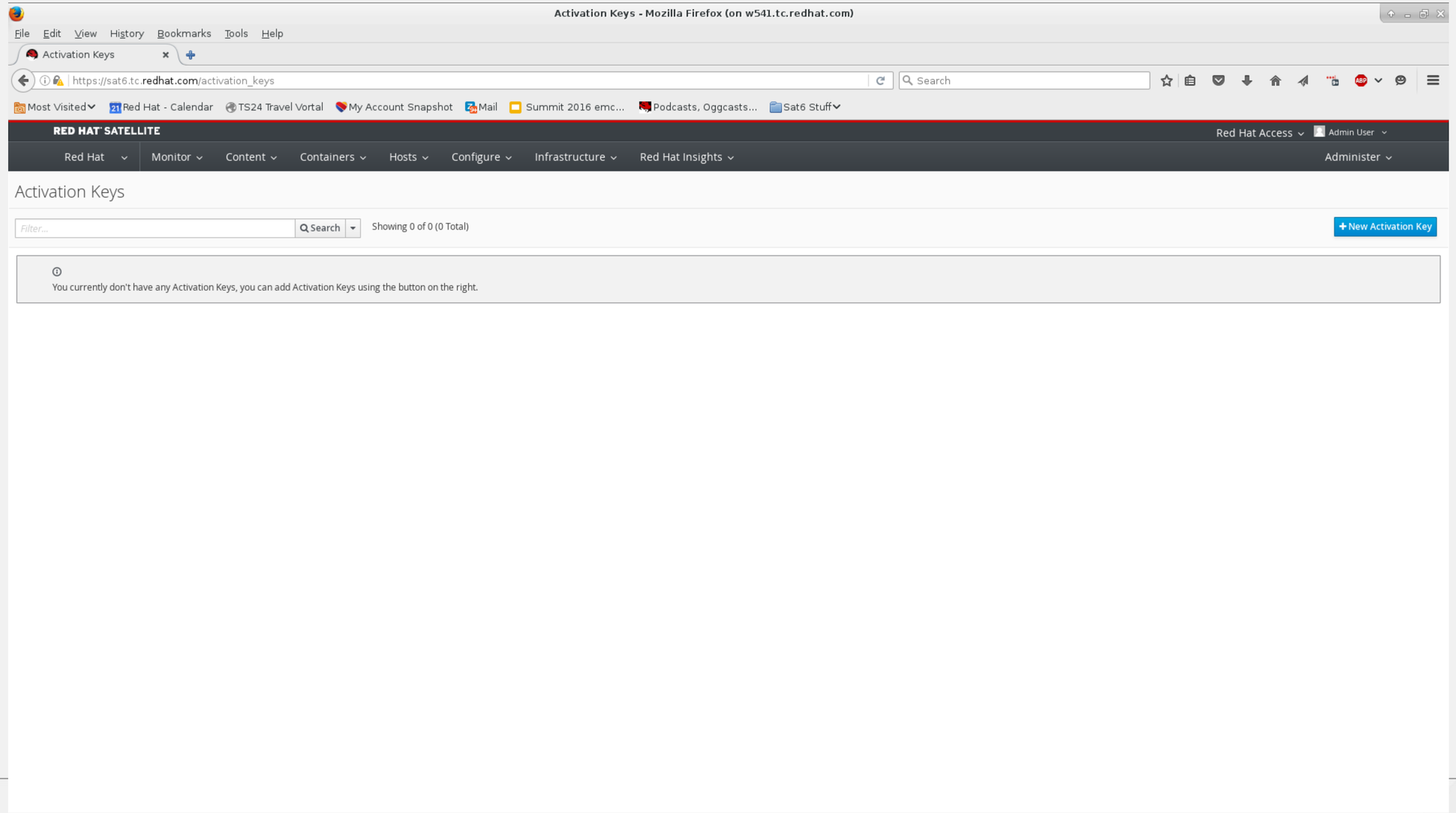
# What are activation keys?

- 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)

# Navigate to Content/Activation Keys



# Click New Activation Key



# Attach the key to an environment and content view

New Activation Key - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

New Activation Key

https://sat6.tc.redhat.com/activation_keys/new

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

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## Activation Keys

Filter... | Search | Showing 0 of 0 (0 Total) | + New Activation Key

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

## New Activation Key

× Close

Name * Web Dev Activation Key

Host Limit Unlimited Hosts: ☑

Description Activation key for the development web servers

Environment

Library | Development | Quality Assurance | Production

Content View

Web Server CV
RHEL 7 Server CV
drupal7 server CCV



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# Set the release version of the OS

Details for Activation Key: Web Dev Activation Key - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Details for Activation ...

https://sat6.tc.redhat.com/activation_keys/7/info

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## Activation Keys

Filter... | Search | Showing 1 of 1 (1 Total) | + New Activation Key

Name

Web Dev Activation Key

## Activation Key: Web Dev Activation Key

Remove | Copy Activation Key | Close

Details | Subscriptions | Product Content | Host Collections | Associations

This activation key may be used during system registration. For example:
subscription-manager register --org="Default_Organization" --activationkey="Web Dev Activation Key"

| | |
|---|---|
| Name | Web Dev Activation Key |
| Description | Activation key for the development web servers |
| Host Limit | Unlimited |
| Service Level | |

Activation Key Content

Release Version

Environment

Library | Development | Quality Assurance | Production

Content View: drupal7 server CCV



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# Set the release version of the OS

Details for Activation Key: Web Dev Activation Key - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Details for Activation ...

https://sat6.tc.redhat.com/activation_keys/7/info

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

## Activation Keys

Filter... | Search | Showing 1 of 1 (1 Total) | + New Activation Key

Name

Web Dev Activation Key

## Activation Key: Web Dev Activation Key

Remove | Copy Activation Key | Close

Details | Subscriptions | Product Content | Host Collections | Associations

This activation key may be used during system registration. For example:
subscription-manager register --org="Default_Organization" --activationkey="Web Dev Activation Key"

| | |
|---|---|
| Name | Web Dev Activation Key |
| Description | Activation key for the development web servers |
| Host Limit | Unlimited |
| Service Level | |

Activation Key Content

Release Version: 7.2 | Save | Cancel

Environment: Library | Development | Quality Assurance | Production

Content View: drupal7 server CCV



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# Set the release version of the OS

Details for Activation Key: Web Dev Activation Key - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Details for Activation ...

https://sat6.tc.redhat.com/activation_keys/7/info

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## Activation Keys

Filter... | Search | Showing 1 of 1 (1 Total) | + New Activation Key

Name

Web Dev Activation Key

## Activation Key: Web Dev Activation Key

Remove | Copy Activation Key | Close

Details | Subscriptions | Product Content | Host Collections | Associations

Activation Key updated

This activation key may be used during system registration. For example:
subscription-manager register --org="Default_Organization" --activationkey="Web Dev Activation Key"

| | |
|---|---|
| Name | Web Dev Activation Key |
| Description | Activation key for the development web servers |
| Host Limit | Unlimited |
| Service Level | |

Activation Key Content

| | |
|---|---|
| Release Version | 7.2 |
| Environment | |
| Content View | drupal7 server CCV |

Library | Development | Quality Assurance | Production



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# Go to subscriptions

Current Subscriptions for Activation Key: Web Dev Activation Key - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Current Subscriptions...

https://sat6.tc.redhat.com/activation_keys/7/subscriptions

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Red Hat Access | Admin User

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

Activation Keys

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + New Activation Key

Name

Web Dev Activation Key

Activation Key: Web Dev Activation Key

Remove | Copy Activation Key | Close

Details | Subscriptions | Product Content | Host Collections | Associations

Activation Key Type:

Auto-Attach Yes

When Auto Attach is enabled, registering systems will be attached to all associated custom products and only associated Red Hat subscriptions required to satisfy the system's installed products.

List/Remove | Add

Filter | Showing 0 of 0 (0 Total) | 0 Selected | Remove Selected

You currently don't have any Subscriptions associated with this Activation Key, you can add Subscriptions after selecting the 'Add' tab.

https://sat6.tc.redhat.com/activation_keys/7/subscriptions



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# Choose Add

Add Subscriptions for Activation Key: Web Dev Activation Key - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Add Subscriptions for...

https://sat6.tc.redhat.com/activation_keys/7/add-subscriptions

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

## Activation Keys

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + New Activation Key

Name

Web Dev Activation Key

## Activation Key: Web Dev Activation Key

Remove | Copy Activation Key | Close

Details | Subscriptions | Product Content | Host Collections | Associations

Activation Key Type:

**Auto-Attach** Yes

When Auto Attach is enabled, registering systems will be attached to all associated custom products and only associated Red Hat subscriptions required to satisfy the system's installed products.

List/Remove | Add

Search... | Showing 3 of 3 (3 Total) | 0 Selected | Add Selected

| Quantity | Attached | Type | Starts | Expires | Support Level | Contract | Account |
|---|---|---|---|---|---|---|---|
| Employee SKU | | | | | | | |
| 1 | 0 out of 5 | Physical | 11/29/15 | 11/29/16 | Self-Support | 10834568 | 739897 |
| Extra Packackages for Enterprise Linux | | | | | | | |
| 1 | 0 out of Unlimited | Physical | 6/20/16 | 6/13/46 | | | |
| Puppet Product | | | | | | | |
| 1 | 0 out of Unlimited | Physical | 6/20/16 | 6/13/46 | | | |



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# Select the subscriptions & hit Add Selected

Add Subscriptions for Activation Key: Web Dev Activation Key - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Add Subscriptions for...

https://sat6.tc.redhat.com/activation_keys/7/add-subscriptions

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE — Red Hat Access | Admin User

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

## Activation Keys

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + New Activation Key

Name

Web Dev Activation Key

## Activation Key: Web Dev Activation Key

Remove | Copy Activation Key | Close

Details | Subscriptions | Product Content | Host Collections | Associations

Activation Key Type:

Auto-Attach Yes

When Auto Attach is enabled, registering systems will be attached to all associated custom products and only associated Red Hat subscriptions required to satisfy the system's installed products.

List/Remove | Add

Search... | Showing 3 of 3 (3 Total) | 3 Selected | Add Selected

| Quantity | Attached | Type | Starts | Expires | Support Level | Contract | Account |
|---|---|---|---|---|---|---|---|
| Employee SKU | | | | | | | |
| 1 | 0 out of 5 | Physical | 11/29/15 | 11/29/16 | Self-Support | 10834568 | 739897 |
| Extra Packackages for Enterprise Linux | | | | | | | |
| 1 | 0 out of Unlimited | Physical | 6/20/16 | 6/13/46 | | | |
| Puppet Product | | | | | | | |
| 1 | 0 out of Unlimited | Physical | 6/20/16 | 6/13/46 | | | |



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# Select the subscriptions & hit Add Selected

Add Subscriptions for Activation Key: Web Dev Activation Key - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Add Subscriptions for...

https://sat6.tc.redhat.com/activation_keys/7/add-subscriptions

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

Activation Keys

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + New Activation Key

Name

Web Dev Activation Key

Activation Key: Web Dev Activation Key

Remove | Copy Activation Key | Close

Details | Subscriptions | Product Content | Host Collections | Associations

Successfully added 3 subscriptions.

Activation Key Type:

Auto-Attach Yes

When Auto Attach is enabled, registering systems will be attached to all associated custom products and only associated Red Hat subscriptions required to satisfy the system's installed products.

List/Remove | Add

Search... | Showing 0 of 0 (0 Total) | 3 Selected | Add Selected

You currently don't have any Products to subscribe to, you can add Products after selecting 'Products' under 'Content' in the main menu



redhat.

# Select the subscriptions & hit Add Selected

Current Subscriptions for Activation Key: Web Dev Activation Key - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Current Subscriptions...

https://sat6.tc.redhat.com/activation_keys/7/subscriptions

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

## Activation Keys

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + New Activation Key

Name

Web Dev Activation Key

### Activation Key: Web Dev Activation Key

Remove | Copy Activation Key | Close

Details | Subscriptions | Product Content | Host Collections | Associations

Activation Key Type:

**Auto-Attach** Yes

When Auto Attach is enabled, registering systems will be attached to all associated custom products and only associated Red Hat subscriptions required to satisfy the system's installed products.

List/Remove | Add

Filter | Showing 3 of 3 (3 Total) | 0 Selected | Remove Selected

| Quantity | Attached | Type | Starts | Expires | Support Level | Contract | Account |
|---|---|---|---|---|---|---|---|
| Employee SKU | | | | | | | |
| 1 | 0 out of 5 | Physical | 11/29/15 | 11/29/16 | Self-Support | 10834568 | 739897 |
| Extra Packackages for Enterprise Linux | | | | | | | |
| 1 | 0 out of Unlimited | Physical | 6/20/16 | 6/13/46 | | | |
| Puppet Product | | | | | | | |
| 1 | 0 out of Unlimited | Physical | 6/20/16 | 6/13/46 | | | |



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# Go to Product Content

Activation Keys - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Activation Keys

https://sat6.tc.redhat.com/activation_keys/7/products

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

## Activation Keys

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + New Activation Key

Name

Web Dev Activation Key

## Activation Key: Web Dev Activation Key

Remove | Copy Activation Key | Close

Details | Subscriptions | Product Content | Host Collections | Associations

Below are the repository content 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.

**Red Hat Enterprise Linux Server**

Red Hat Enterprise Linux 7 Server - Optional (RPMs)

Enabled? No (Default)

No (Default)
Override to Yes

Red Hat Enterprise Linux 7 Server (Kickstart)

Enabled? No (Default)

Red Hat Enterprise Linux 7 Server - Extras (RPMs)

Enabled? No (Default)

Red Hat Satellite Tools 6.1 (For RHEL 7 Server) (RPMs)

Enabled? No (Default)

Red Hat Enterprise Linux 7 Server - RH Common (RPMs)

Enabled? No (Default)

Red Hat Enterprise Linux 7 Server (RPMs)

Enabled? Yes (Default)

Red Hat Enterprise Linux 7 Server - Supplementary (RPMs)

Enabled? No (Default)

Red Hat Storage Native Client For RHEL 7 (RPMs)

Enabled? No (Default)

**Puppet Product**



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# Don't add the kickstart tree!

Activation Keys - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Activation Keys

https://sat6.tc.redhat.com/activation_keys/7/products

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

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

## Activation Keys

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + New Activation Key

Name

Web Dev Activation Key

### Activation Key: Web Dev Activation Key

Remove | Copy Activation Key | Close

Details | Subscriptions | Product Content | Host Collections | Associations

Below are the repository content 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.

**Red Hat Enterprise Linux Server**

| | |
|---|---|
| Red Hat Enterprise Linux 7 Server - Optional (RPMs) | |
| Enabled? | Override to Yes |
| Red Hat Enterprise Linux 7 Server (Kickstart) | |
| Enabled? | No (Default) |
| Red Hat Enterprise Linux 7 Server - Extras (RPMs) | |
| Enabled? | No (Default) |
| Red Hat Satellite Tools 6.1 (For RHEL 7 Server) (RPMs) | |
| Enabled? | No (Default) |
| Red Hat Enterprise Linux 7 Server - RH Common (RPMs) | |
| Enabled? | No (Default) |
| Red Hat Enterprise Linux 7 Server (RPMs) | |
| Enabled? | Yes (Default) |
| Red Hat Enterprise Linux 7 Server - Supplementary (RPMs) | |
| Enabled? | No (Default) |
| Red Hat Storage Native Client For RHEL 7 (RPMs) | |
| Enabled? | No (Default) |

**Puppet Product**

| | |
|---|---|
| Puppet Repo | |
| Enabled? | Yes (Default) |



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# Add content as appopriate

Activation Keys - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Activation Keys

https://sat6.tc.redhat.com/activation_keys/7/products

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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## Activation Keys

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Web Dev Activation Key

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**Red Hat Enterprise Linux Server**

Red Hat Enterprise Linux 7 Server - Optional (RPMs)
Enabled? Override to Yes

Red Hat Enterprise Linux 7 Server (Kickstart)
Enabled? No (Default)

Red Hat Enterprise Linux 7 Server - Extras (RPMs)
Enabled? No (Default)

Red Hat Satellite Tools 6.1 (For RHEL 7 Server) (RPMs)
Enabled? Override to Yes
Save | Cancel

Red Hat Enterprise Linux 7 Server - RH Common (RPMs)
Enabled? No (Default)

Red Hat Enterprise Linux 7 Server (RPMs)
Enabled? Yes (Default)

Red Hat Enterprise Linux 7 Server - Supplementary (RPMs)
Enabled? No (Default)

Red Hat Storage Native Client For RHEL 7 (RPMs)
Enabled? No (Default)

**Puppet Product**



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# Verify that what you need is selected

Activation Keys - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Activation Keys

https://sat6.tc.redhat.com/activation_keys/7/products

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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

## Activation Keys

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + New Activation Key

Name

Web Dev Activation Key

Details | Subscriptions | Product Content | Host Collections | Associations

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| | | |
|---|---|---|
| **Red Hat Enterprise Linux Server** | | |
| Red Hat Enterprise Linux 7 Server - Optional (RPMs) | | |
| Enabled? | Override to Yes | |
| Red Hat Enterprise Linux 7 Server (Kickstart) | | |
| Enabled? | No (Default) | |
| Red Hat Enterprise Linux 7 Server - Extras (RPMs) | | |
| Enabled? | No (Default) | |
| Red Hat Satellite Tools 6.1 (For RHEL 7 Server) (RPMs) | | |
| Enabled? | Override to Yes | |
| Red Hat Enterprise Linux 7 Server - RH Common (RPMs) | | |
| Enabled? | No (Default) | |
| Red Hat Enterprise Linux 7 Server (RPMs) | | |
| Enabled? | Yes (Default) | |
| Red Hat Enterprise Linux 7 Server - Supplementary (RPMs) | | |
| Enabled? | No (Default) | |
| Red Hat Storage Native Client For RHEL 7 (RPMs) | | |
| Enabled? | No (Default) | |
| **Puppet Product** | | |
| Puppet Repo | | |
| Enabled? | Yes (Default) | |
| **Extra Packackages for Enterprise Linux** | | |
| EPEL Repo | | |
| Enabled? | Yes (Default) | |



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# Choose the host collections you want associated

Activation Keys - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Activation Keys

https://sat6.tc.redhat.com/activation_keys/1/host-collections/add

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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## Activation Keys

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + New Activation Key

Name

Web Dev Activation Key

### Activation Key: Web Dev Activation Key

Remove | Copy Activation Key | Close

Details | Subscriptions | Product Content | Host Collections | Associations

Host Collection Management

List/Remove | Add

Filter | 1 Selected | Add Selected

| Name | Description | Capacity |
|---|---|---|
| Austin Host Collection | | 0 / Unlimited |
| Dallas Host Collection | | 0 / Unlimited |
| Houston Host Collection | | 0 / Unlimited |
| Web Server Development Host Collection | | 0 / Unlimited |
| Web Server Production Host Collection | | 0 / Unlimited |
| Web Server QA Host Collection | | 0 / Unlimited |



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# Choose the host collections you want associated

Activation Keys - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Activation Keys

https://sat6.tc.redhat.com/activation_keys/7/host-collections/add

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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## Activation Keys

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + New Activation Key

Name

Web Dev Activation Key

## Activation Key: Web Dev Activation Key

Remove | Copy Activation Key | Close

Details | Subscriptions | Product Content | Host Collections | Associations

Host Collection Management

List/Remove | Add

Added 1 host collections to activation key "Web Dev Activation Key".

Filter | 0 Selected | Add Selected

| Name | Description | Capacity |
|---|---|---|
| Austin Host Collection | | 0 / Unlimited |
| Dallas Host Collection | | 0 / Unlimited |
| Houston Host Collection | | 0 / Unlimited |
| Web Server Production Host Collection | | 0 / Unlimited |
| Web Server QA Host Collection | | 0 / Unlimited |



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# Choose the host collections you want associated

Activation Keys - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

Activation Keys

https://sat6.tc.redhat.com/activation_keys/1/host-collections

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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## Activation Keys

Filter... | Search | Showing 1 of 1 (1 Total) | 0 Selected | + New Activation Key

Name

Web Dev Activation Key

### Activation Key: Web Dev Activation Key

Remove | Copy Activation Key | Close

Details | Subscriptions | Product Content | Host Collections | Associations

Host Collection Management

List/Remove | Add

Filter | 0 Selected | Remove Selected

| Name | Description | Capacity |
|---|---|---|
| Web Server Development Host Collection | | 0 / Unlimited |



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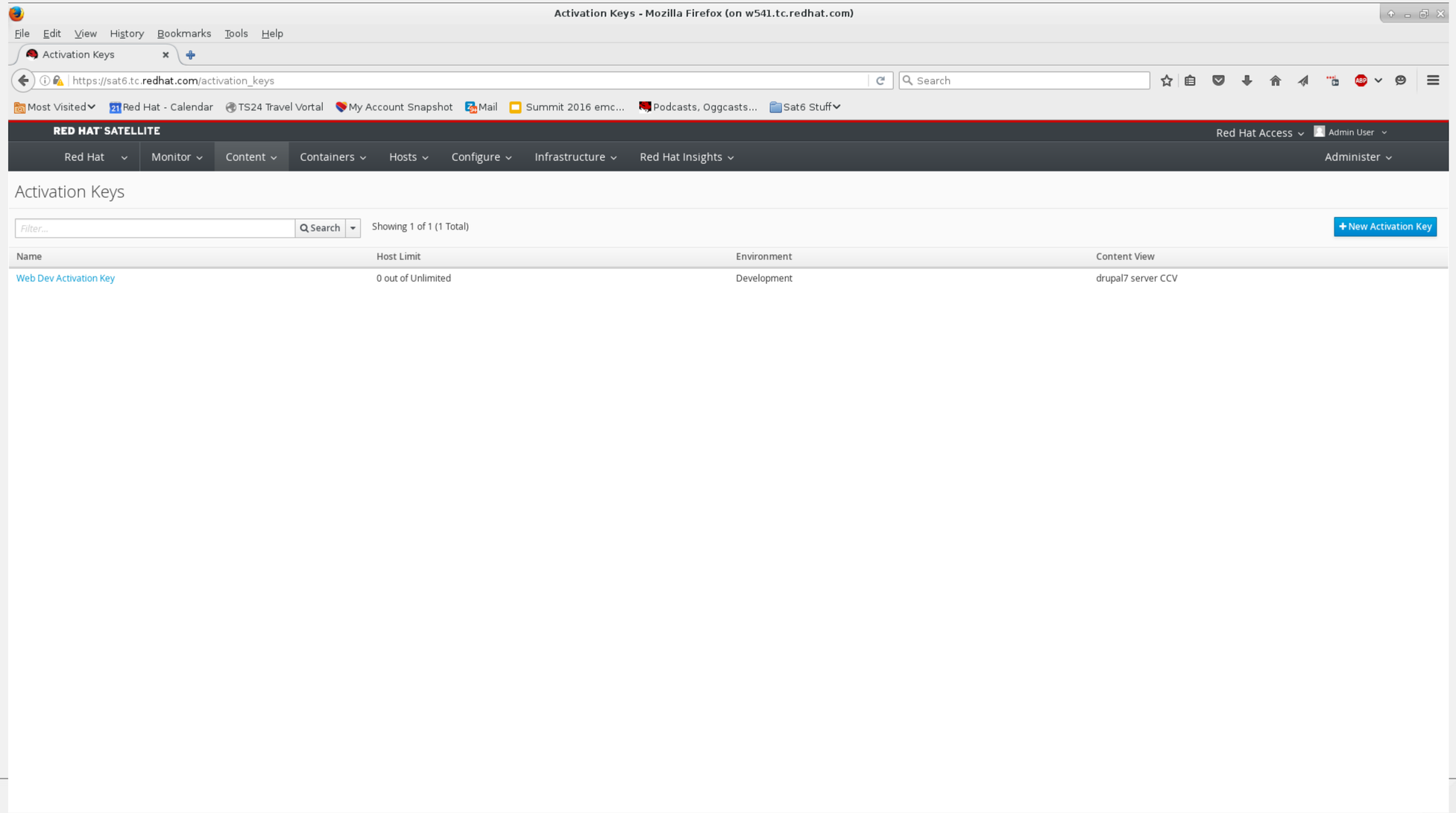
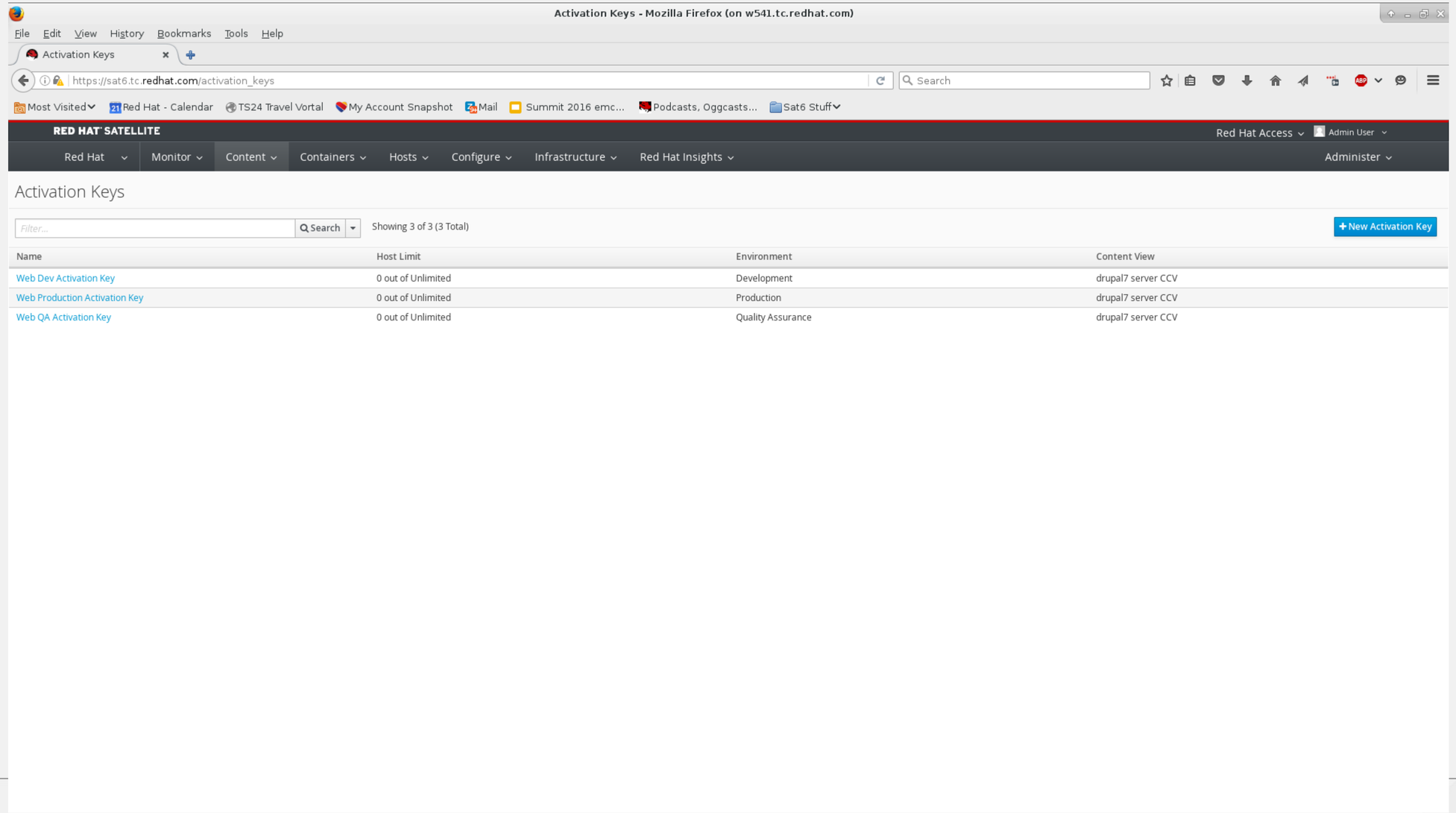
# Lather, rinse, repeat



# Lather, rinse, repeat



# Host Groups



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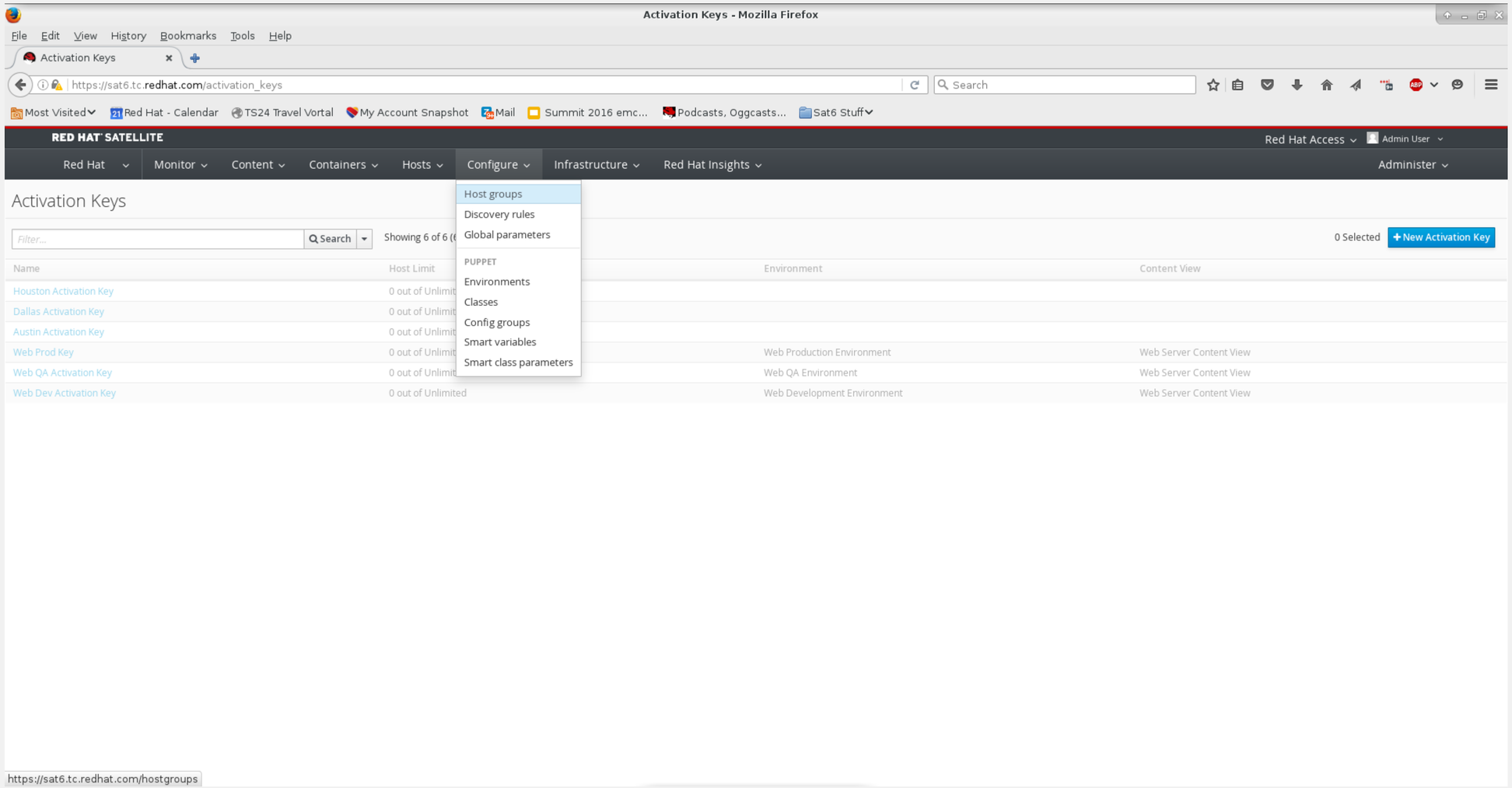
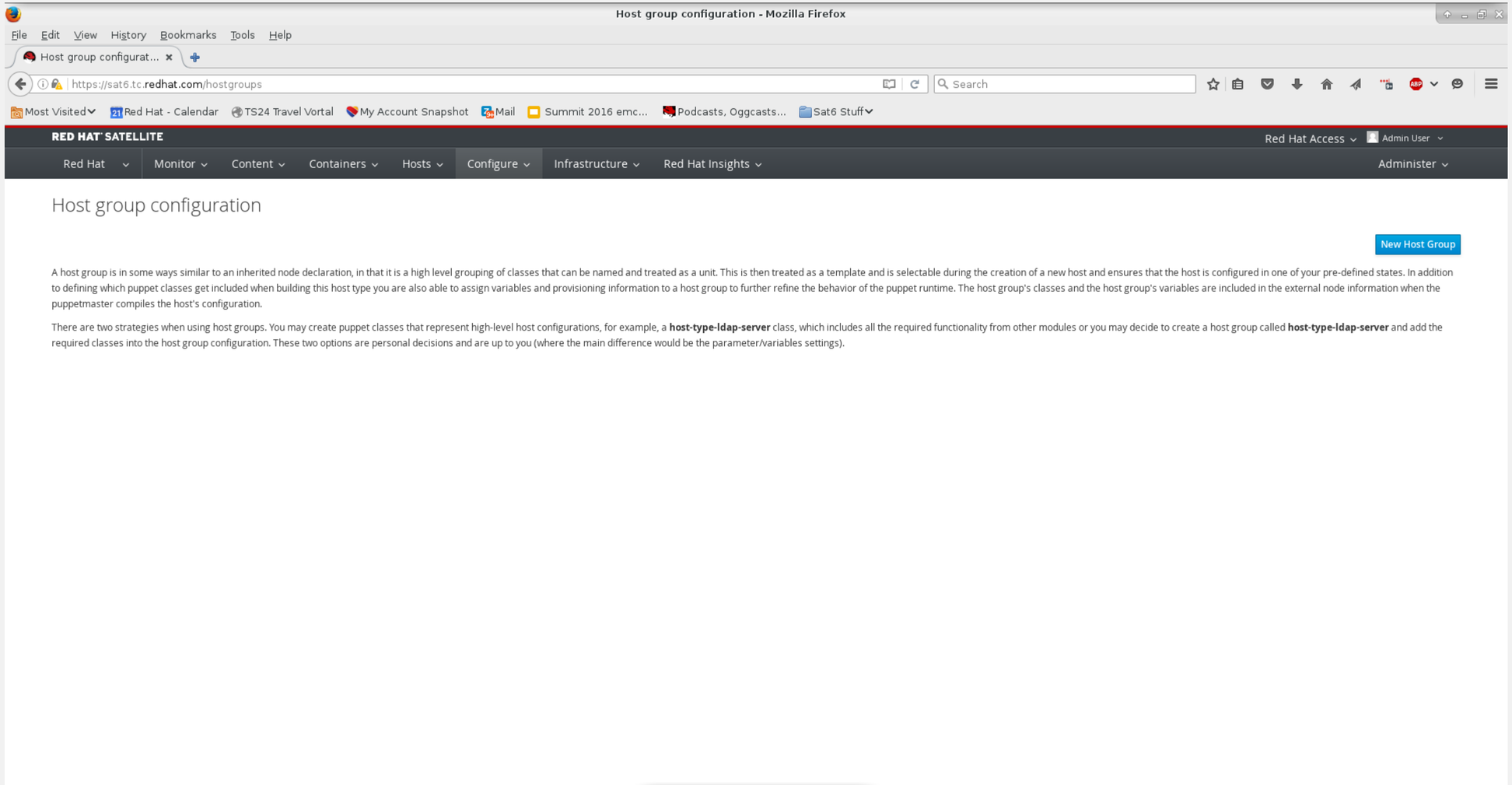
# What are host groups?

- Host groups are logical groupings of hosts, but for configuration management (puppet) 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.

# Navigate to Configure/Host Groups



# Click New Host Group



# Fill in the fields

New Host Group - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

New Host Group

https://sat6.tc.redhat.com/hostgroups/new

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

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## New Host Group

Host Group | Puppet Classes | Network | Operating System | Parameters | Locations | Organizations | Activation Keys

| | | |
|---|---|---|
| Name * | Web Dev Server Host Group | |
| Lifecycle Environment | Development | |
| Content View | drupal7 server CCV | |
| Puppet Environment | KT_Red_Hat_Development_drupal7_server_CCV_4 | Reset Puppet Environment to match selected Content View |
| Content Source | sat6.tc.redhat.com | Use this as a source for installation and updates. |
| Puppet CA | sat6.tc.redhat.com | Use this puppet server as a CA server |
| Puppet Master | sat6.tc.redhat.com | Use this puppet server as an initial Puppet Server or to execute puppet runs |
| Openscap Capsule | sat6.tc.redhat.com | |

Cancel | Submit



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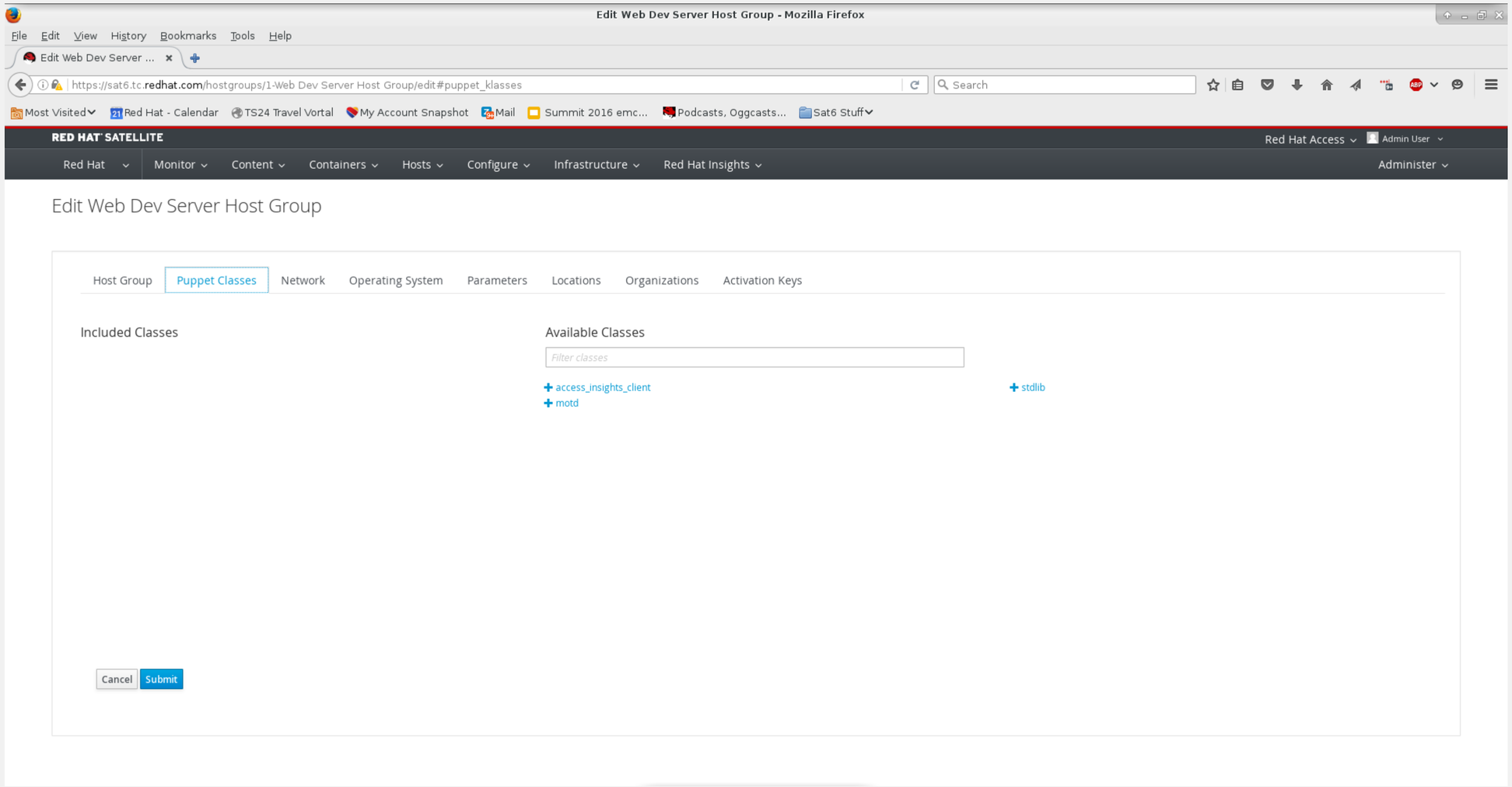
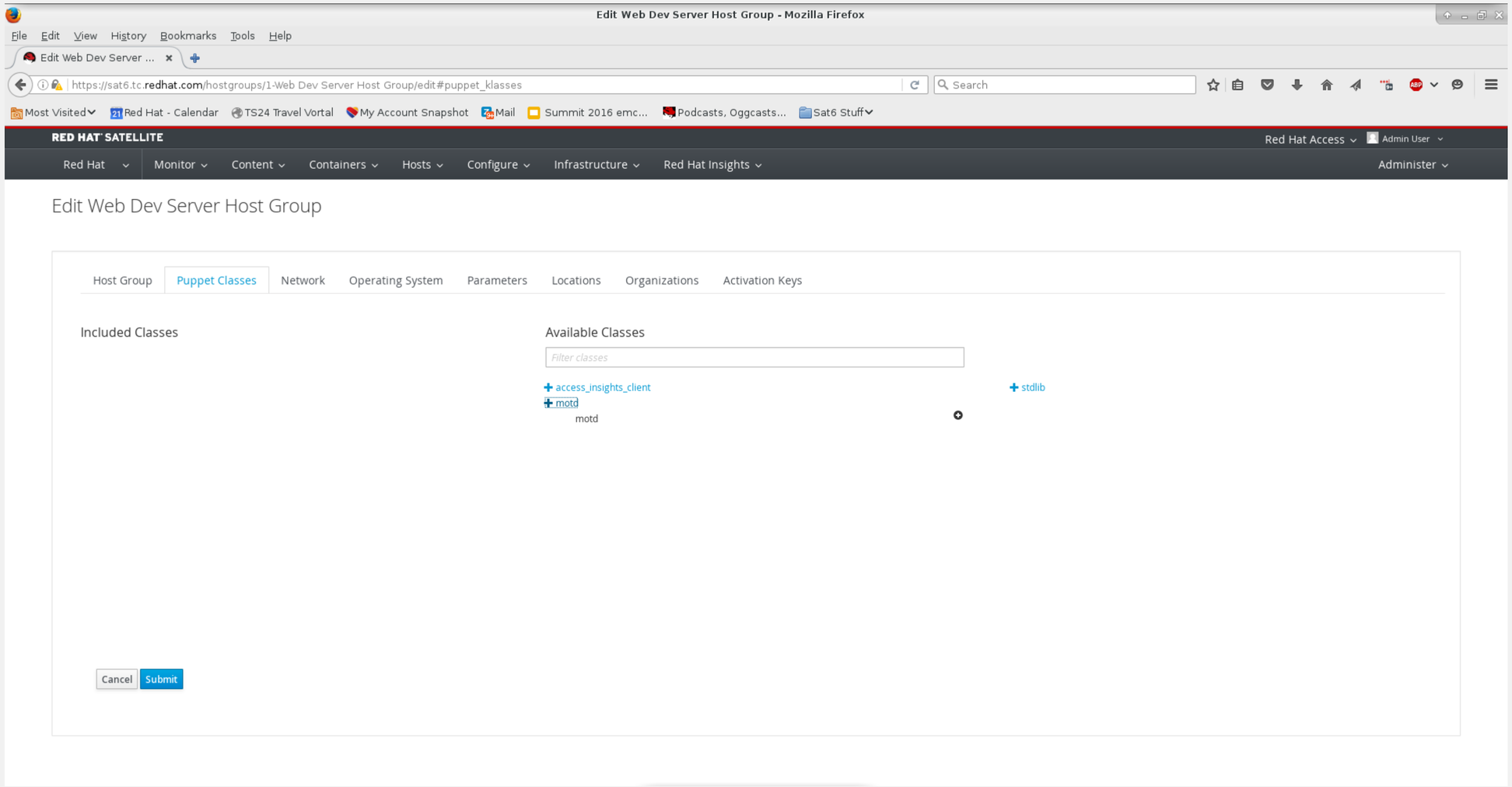
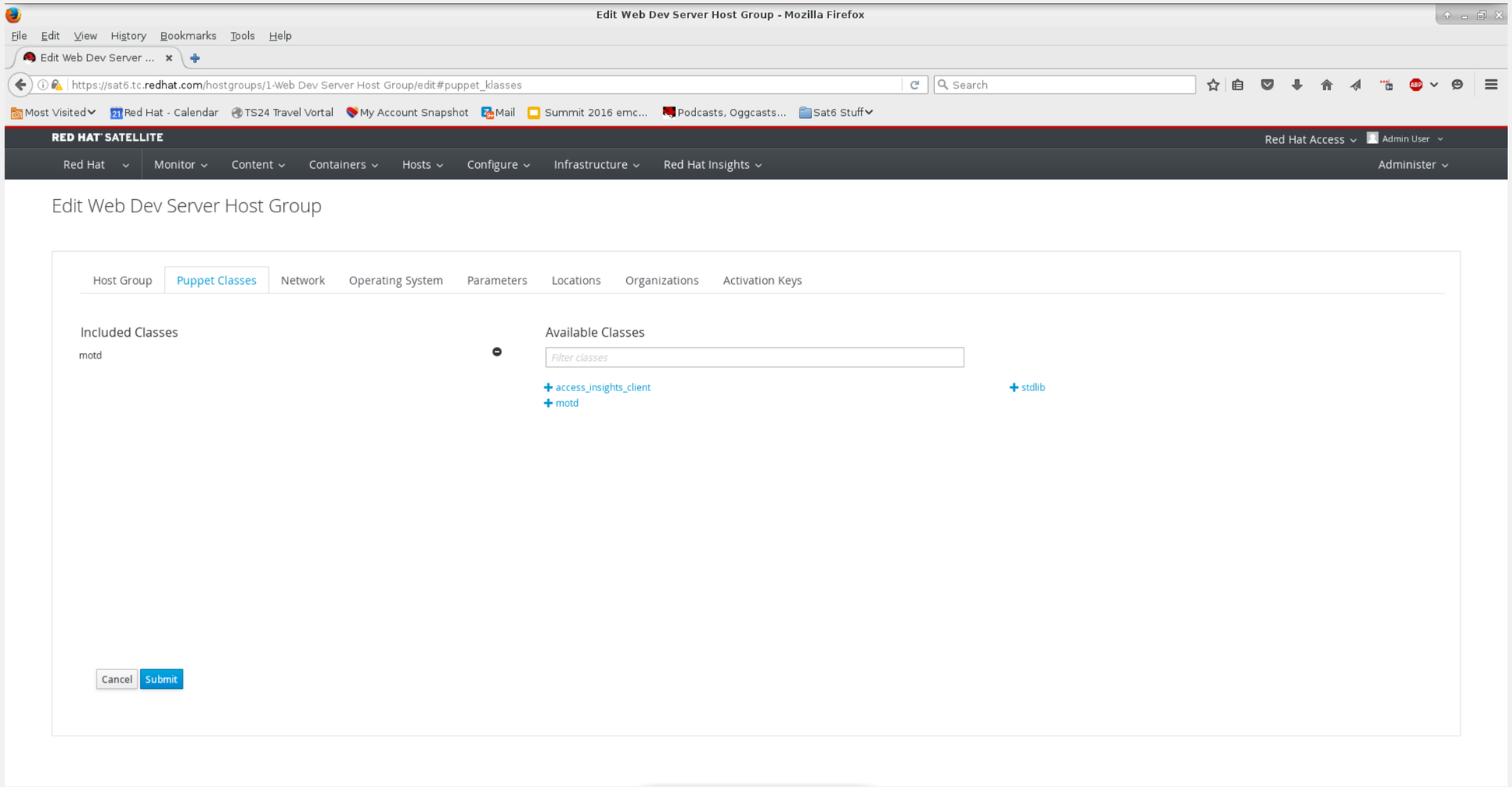
# Add the puppet classes we defined earlier



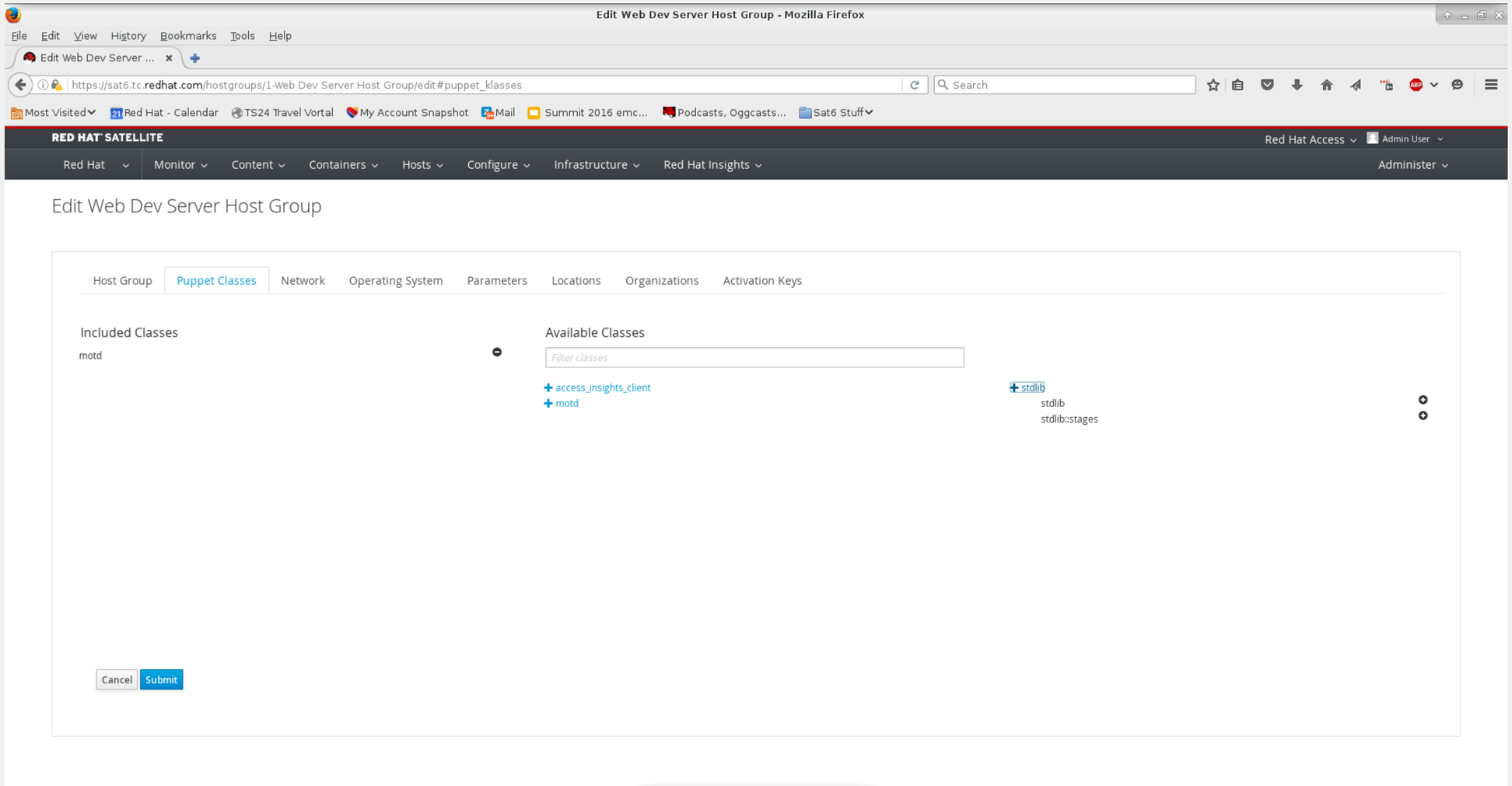
# Add the puppet classes we defined earlier



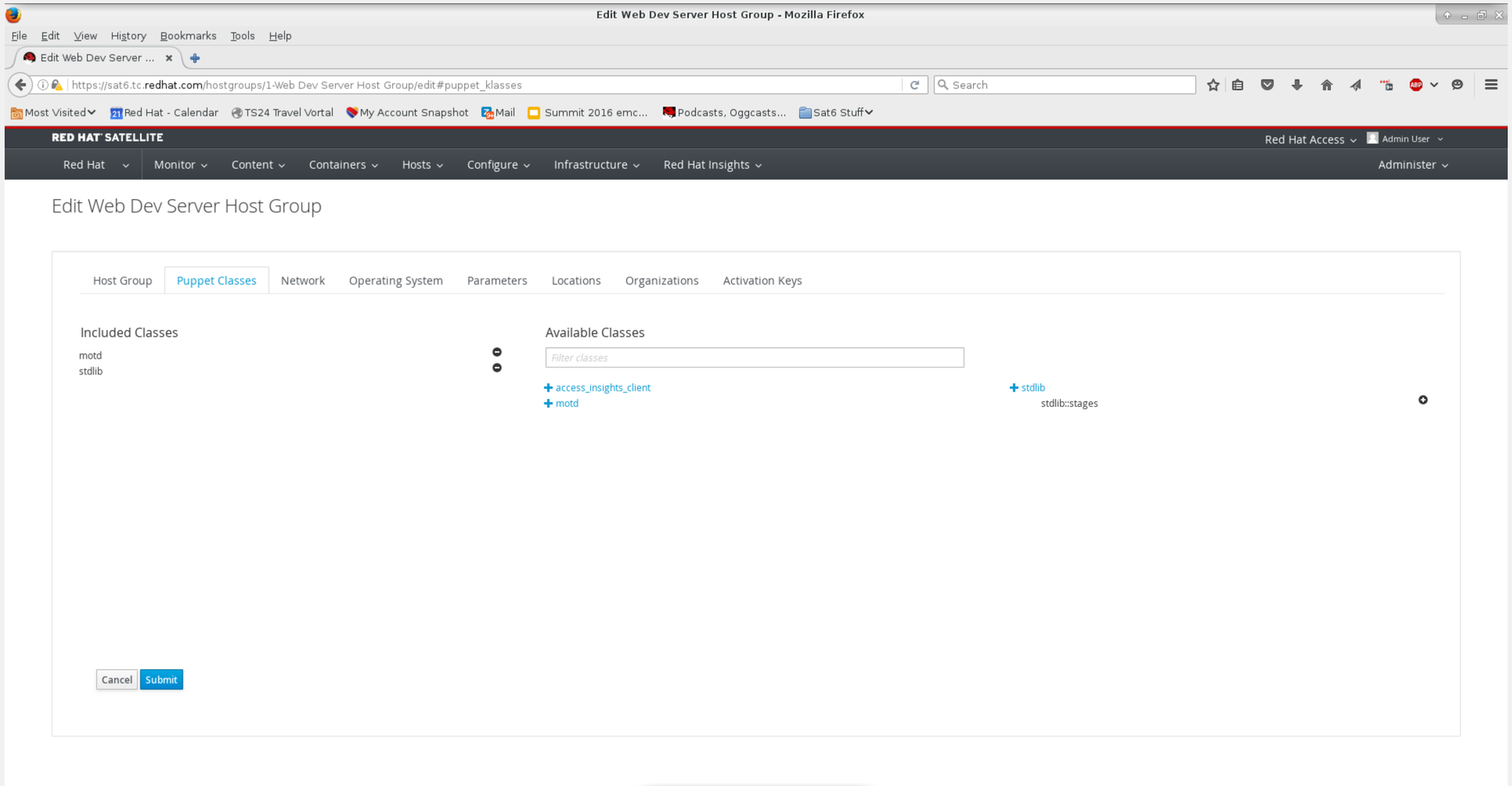
# Add the puppet classes we defined earlier



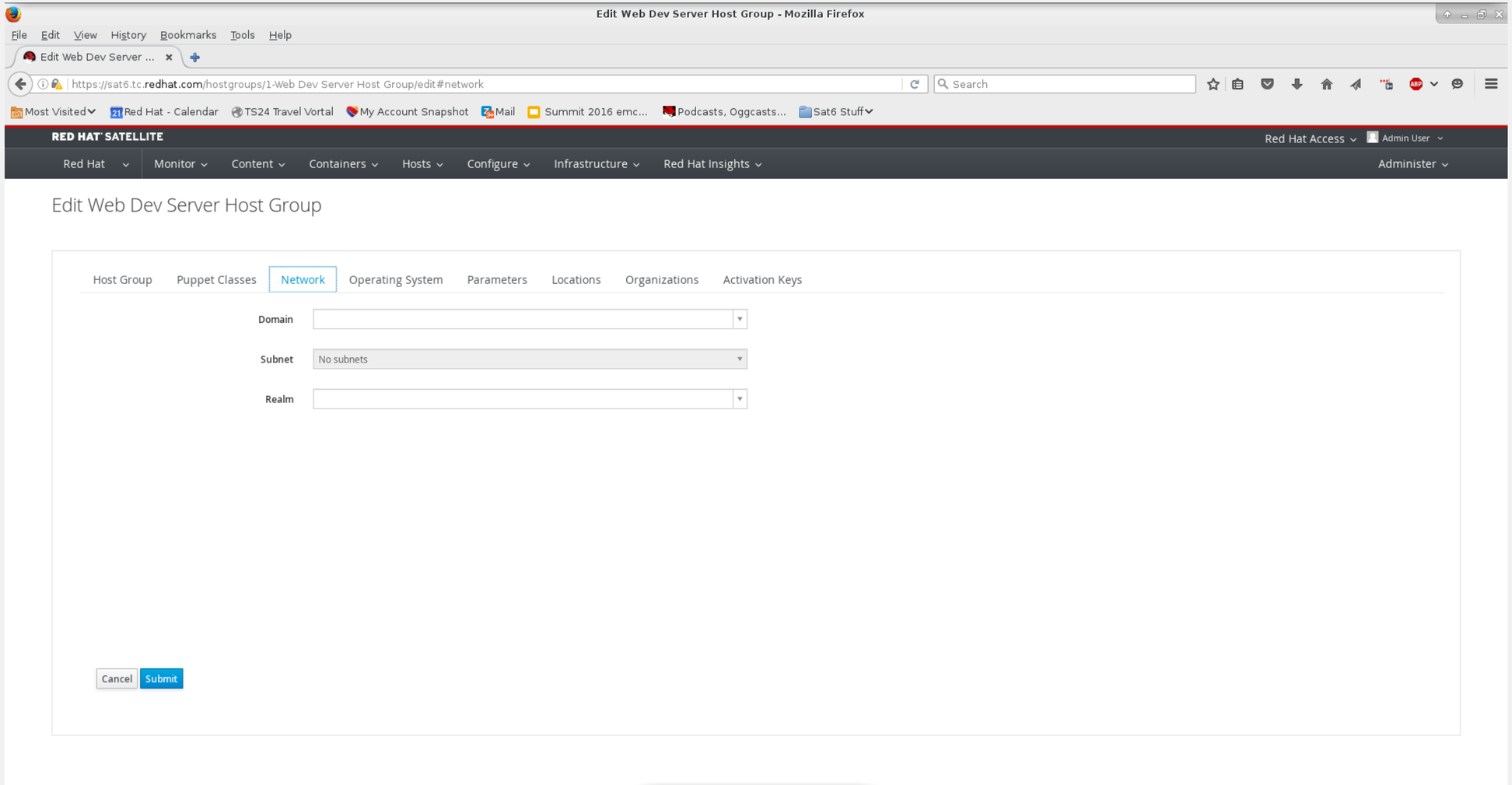
# Add the puppet classes we defined earlier



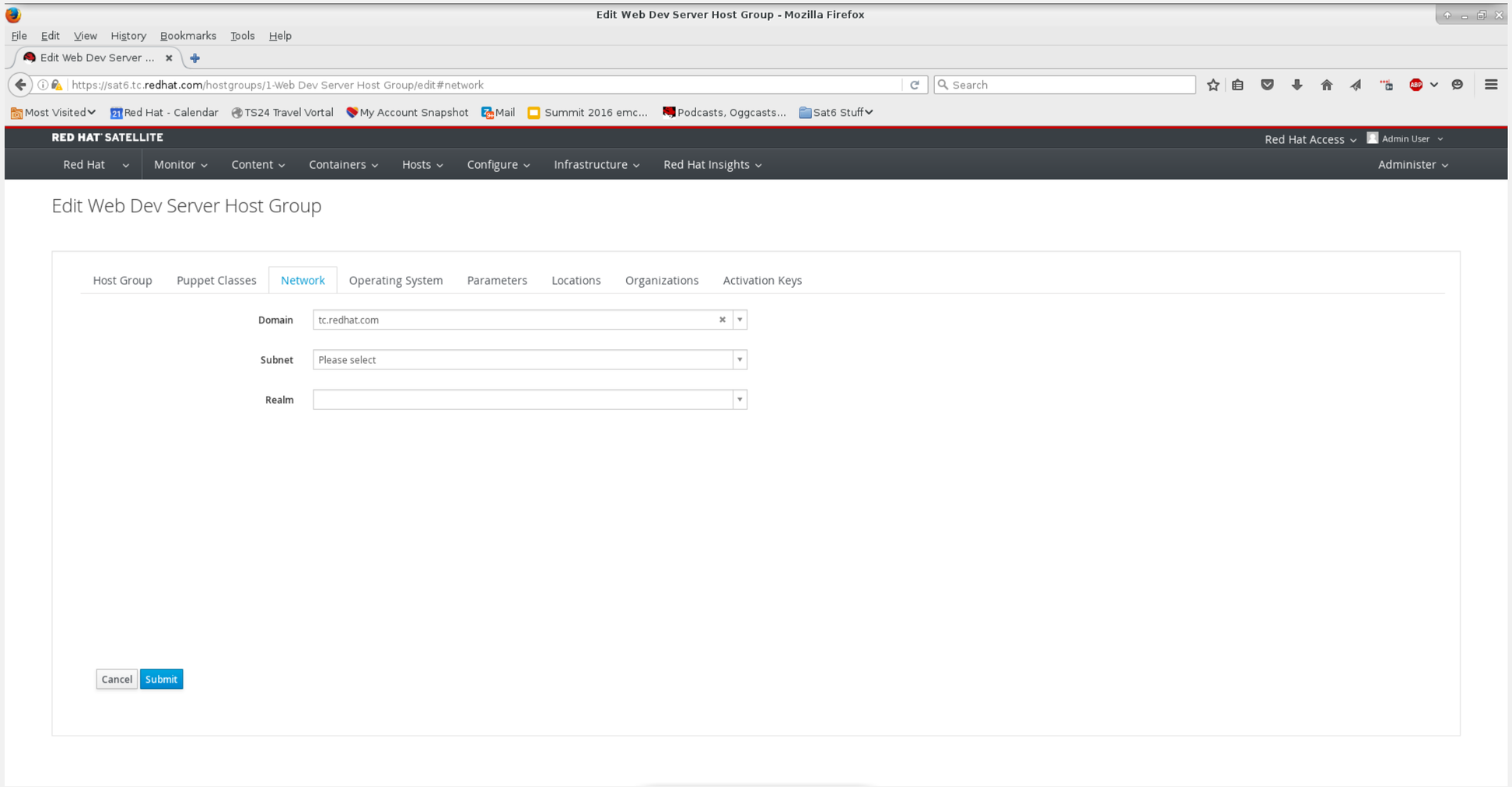
# Add the puppet classes we defined earlier



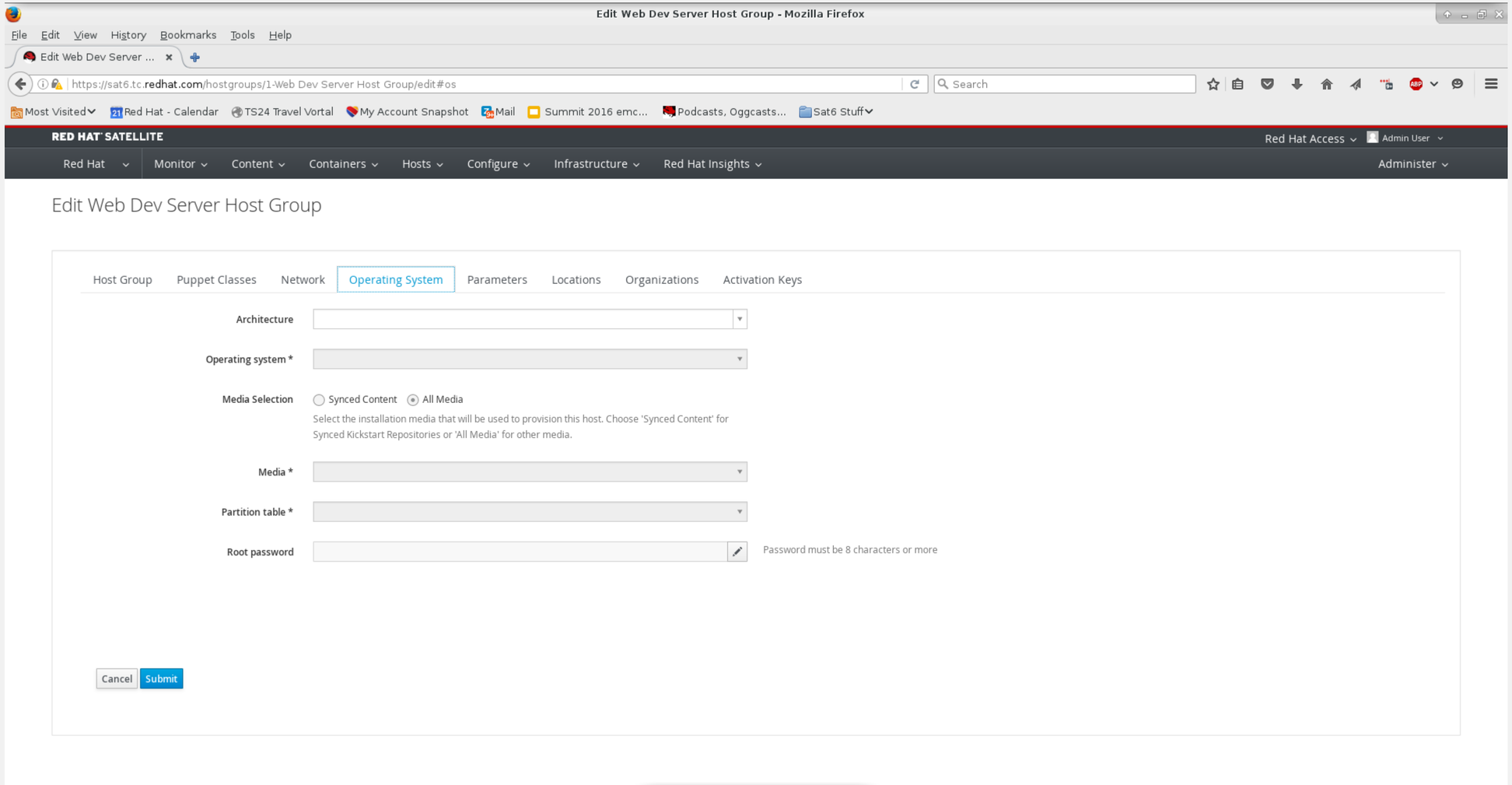
# Choose network



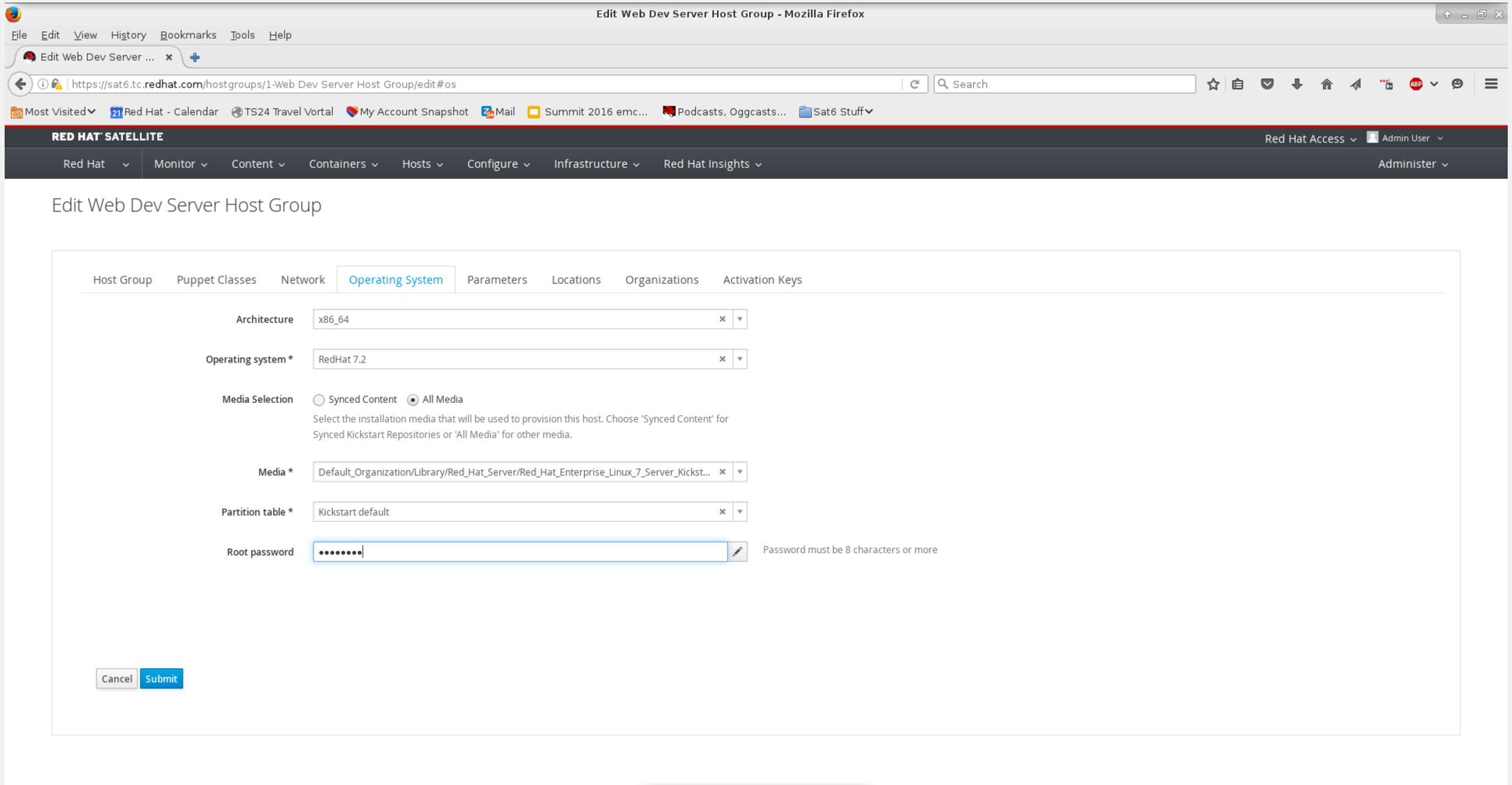
# Choose the domain, but leave the subnet blank



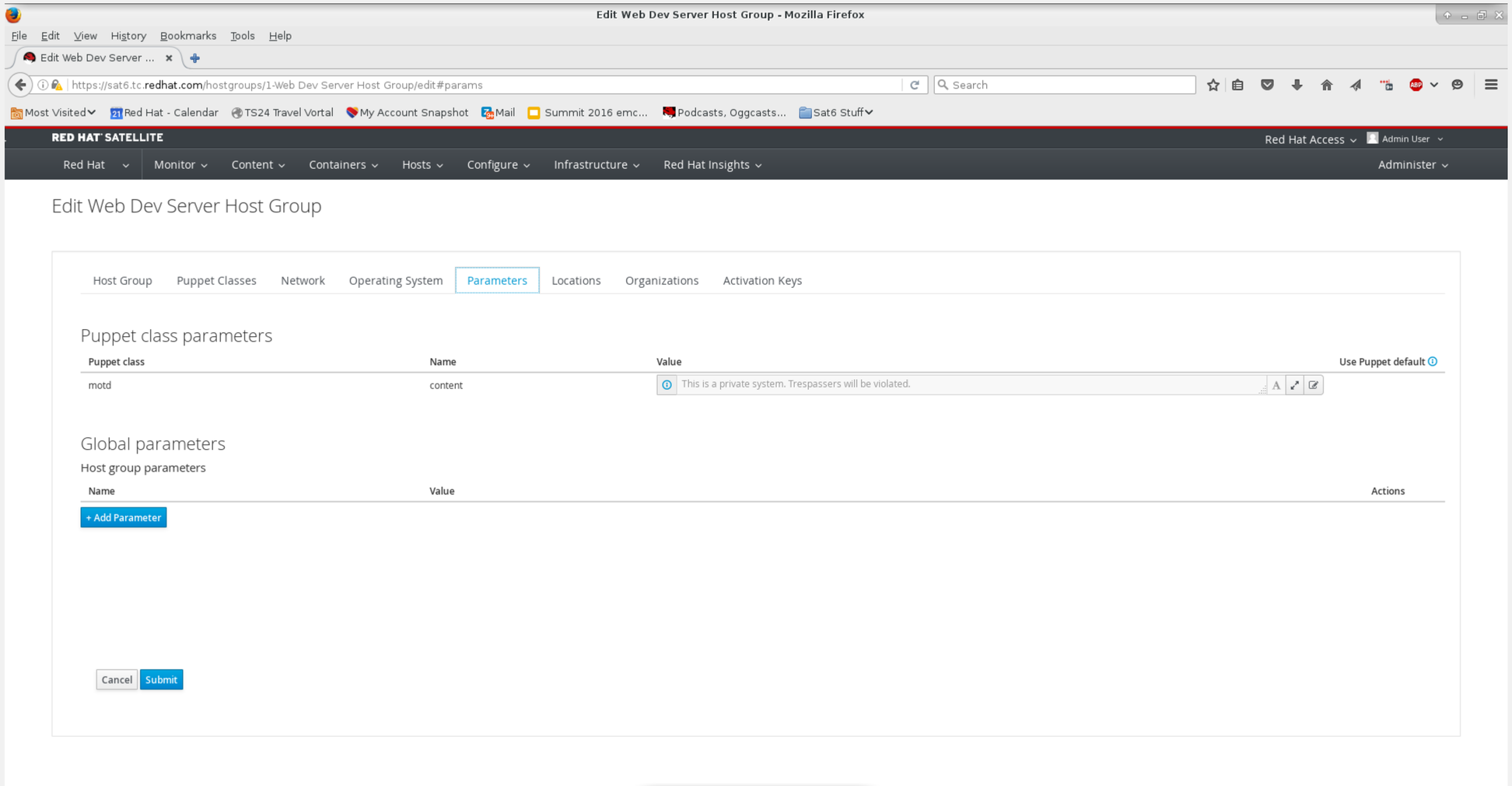
# Choose Operating System



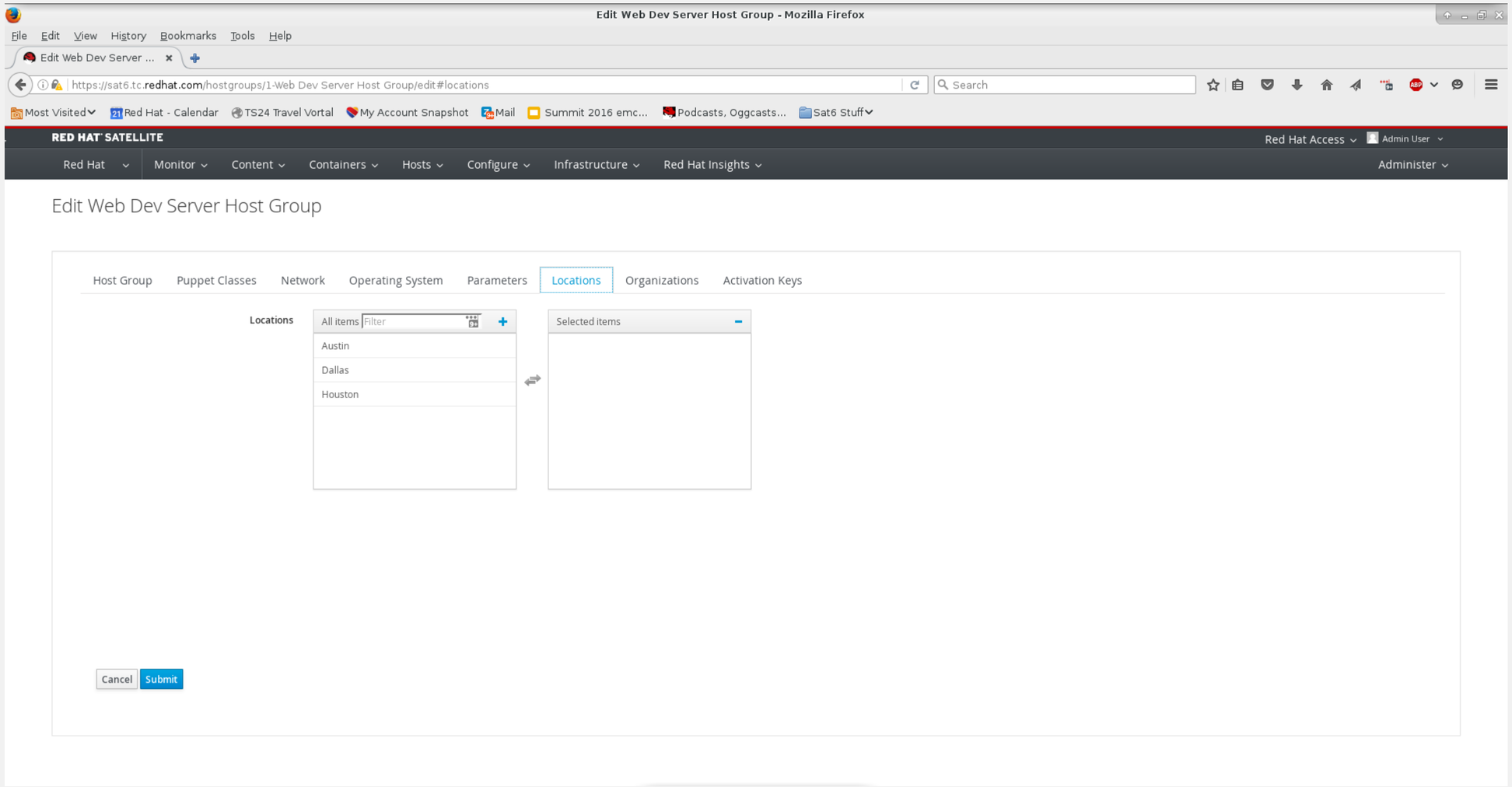
# Choose Operating System



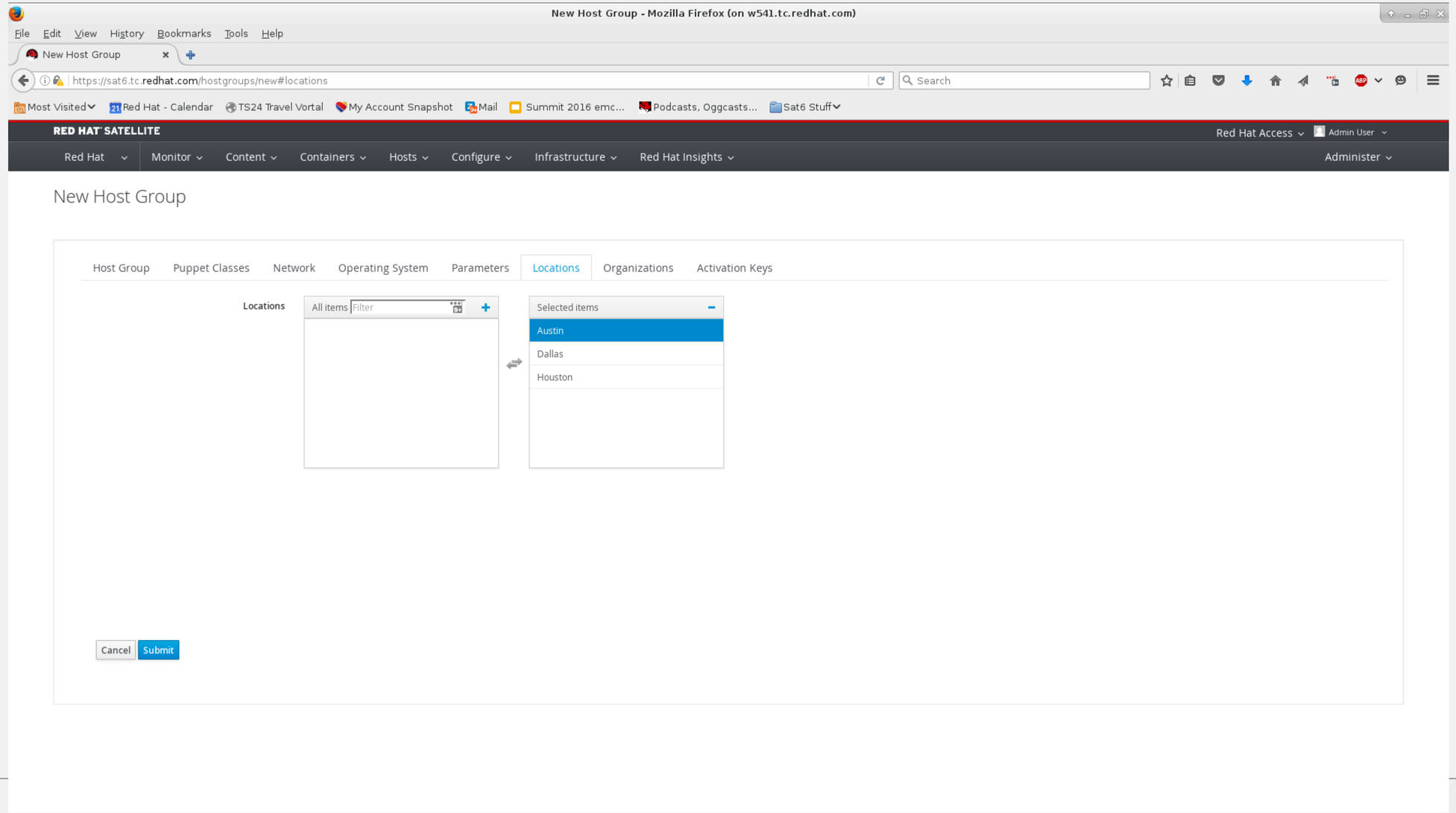
# Verify puppet class parameters from earlier



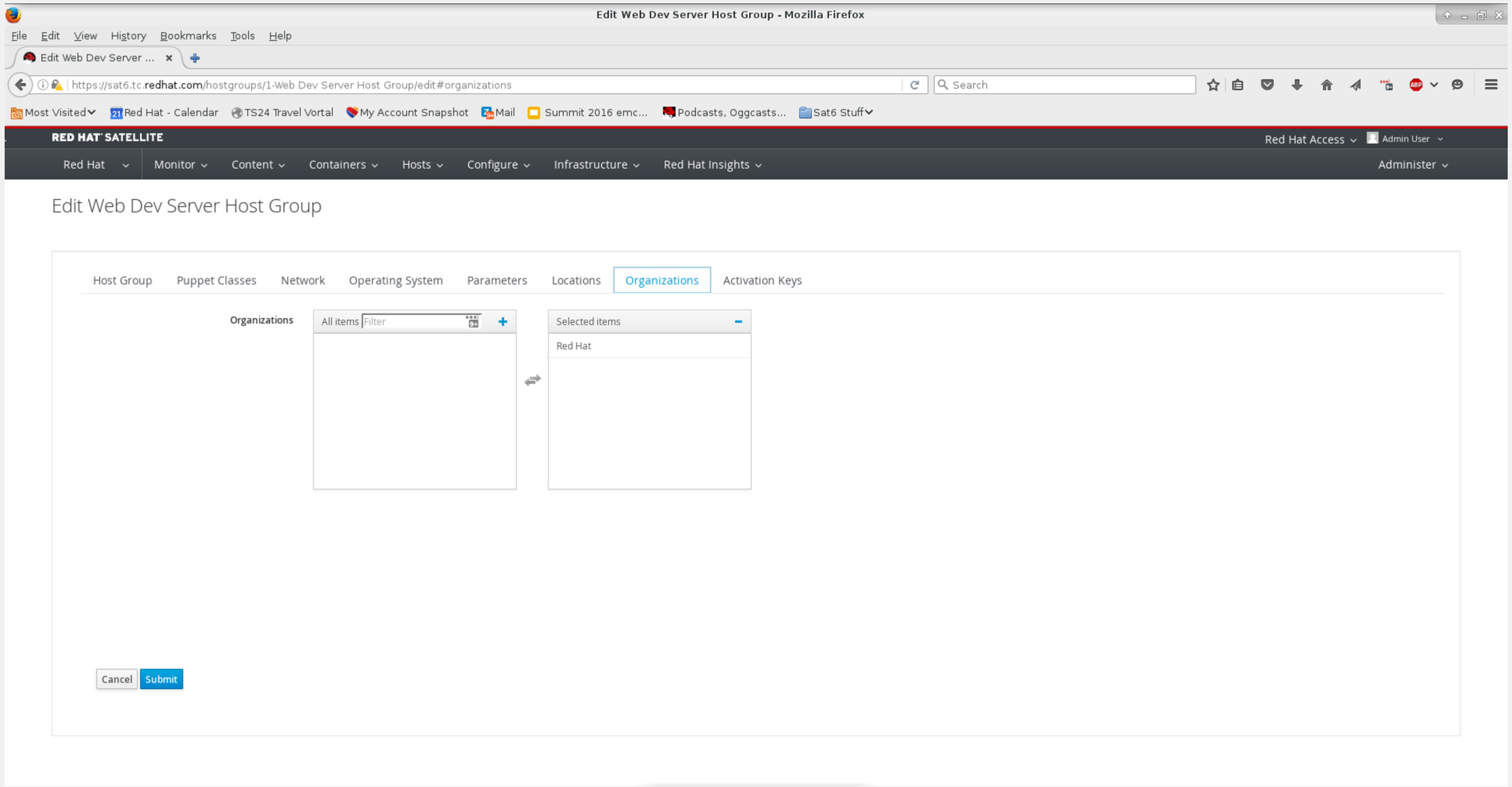
# Add locations



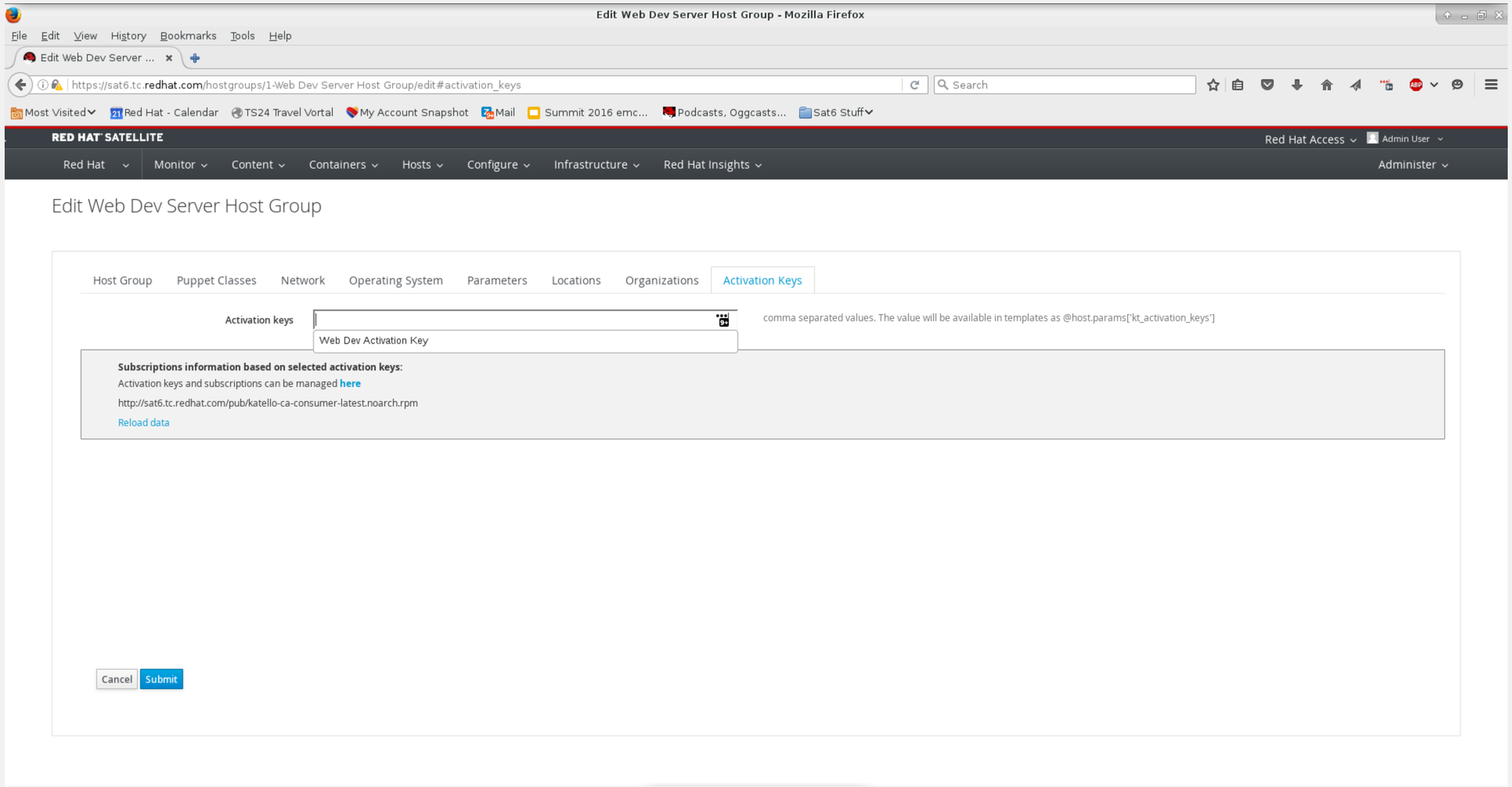
# Add locations



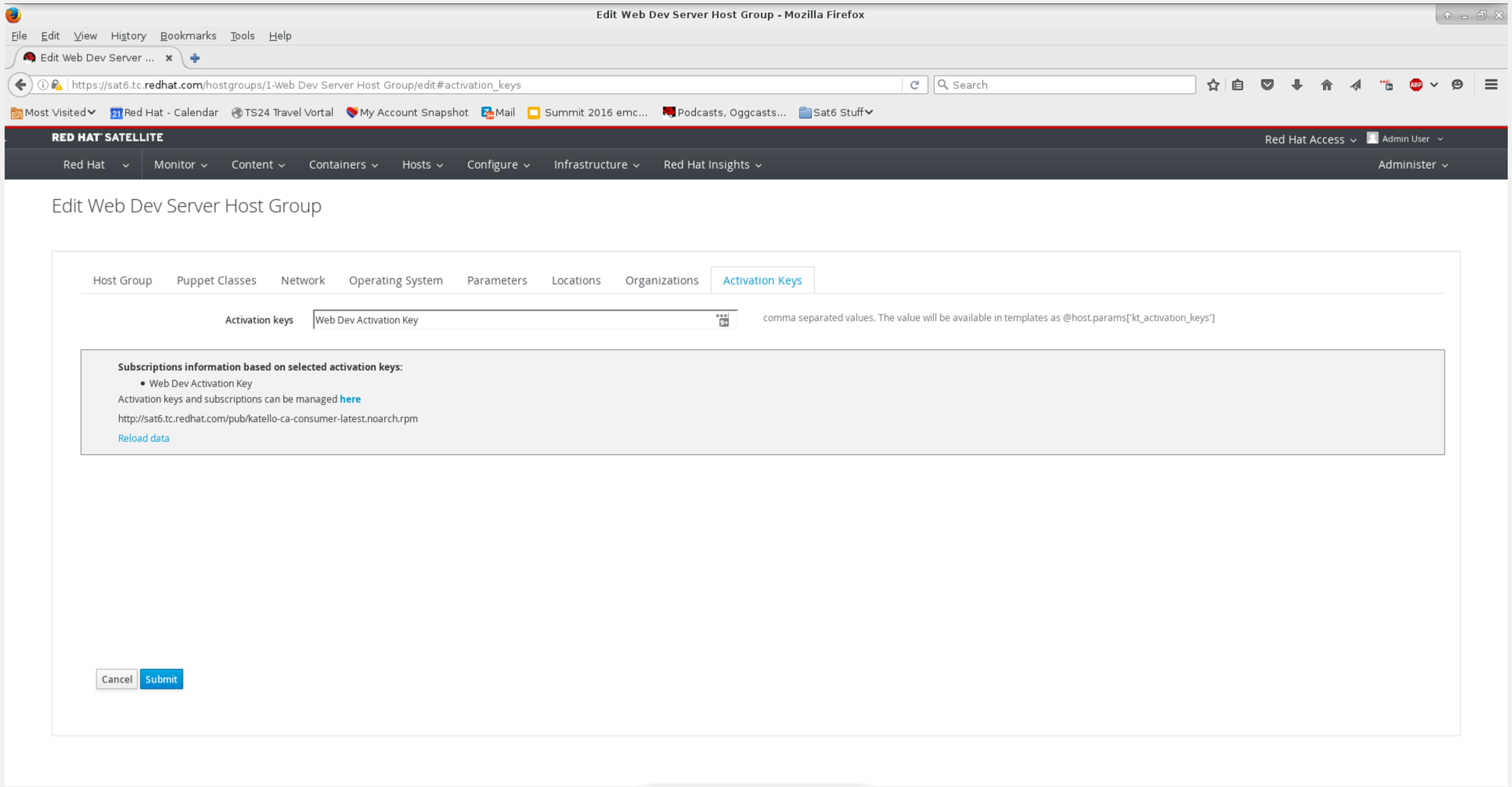
# Verify Organization



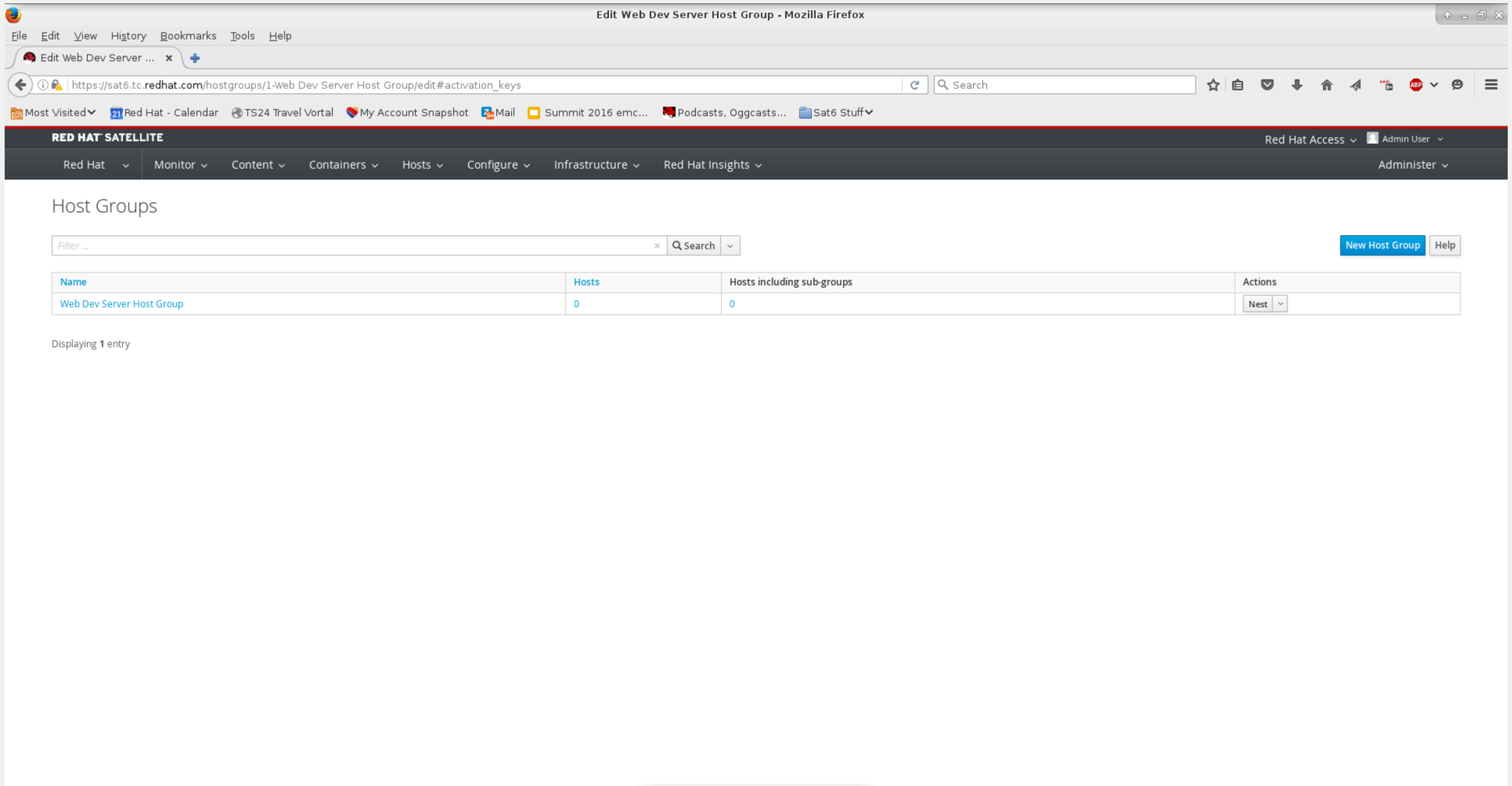
# Associate Activation Key (should auto-populate)



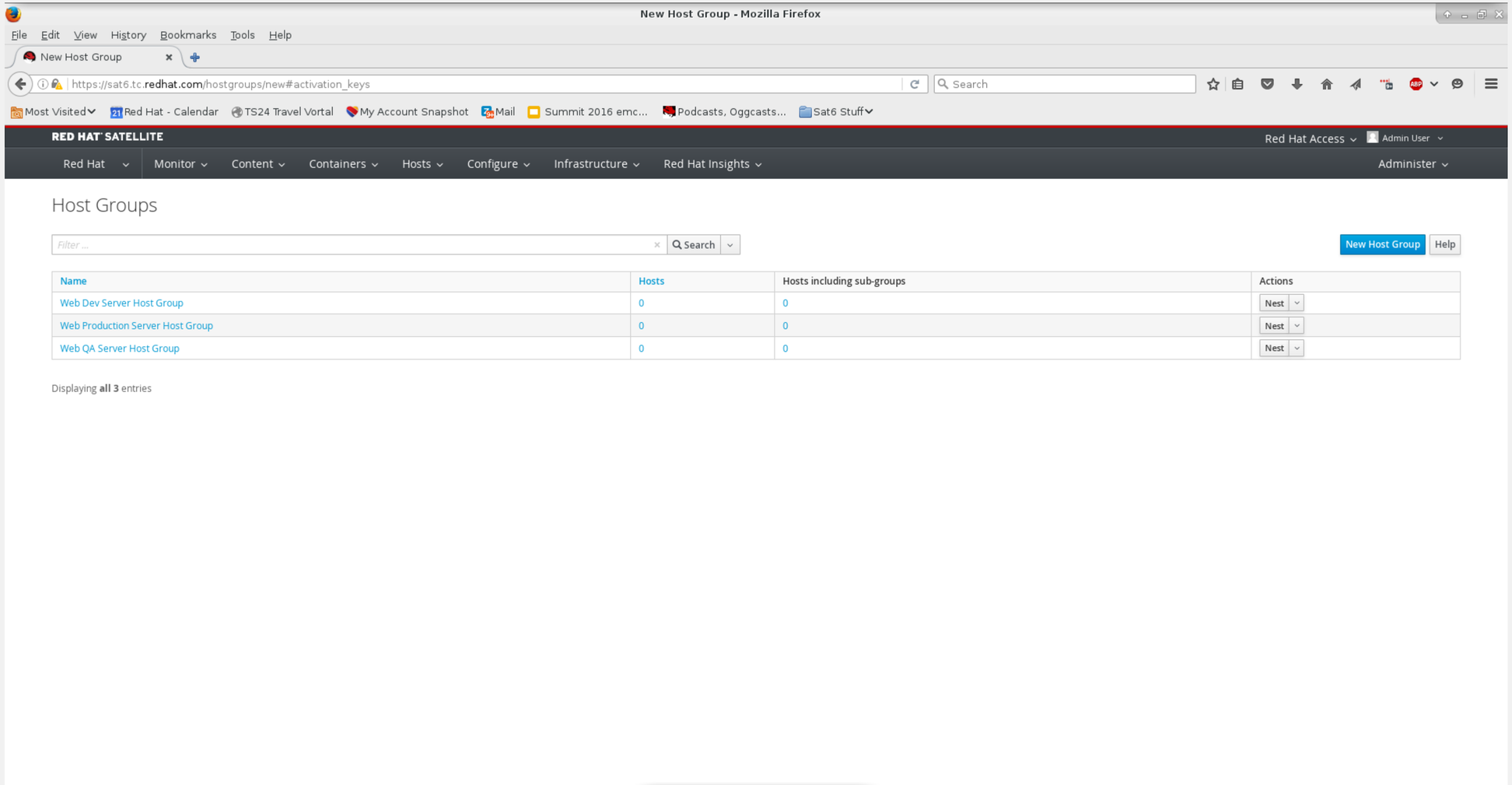
# Associate Activation Key (should auto-populate)



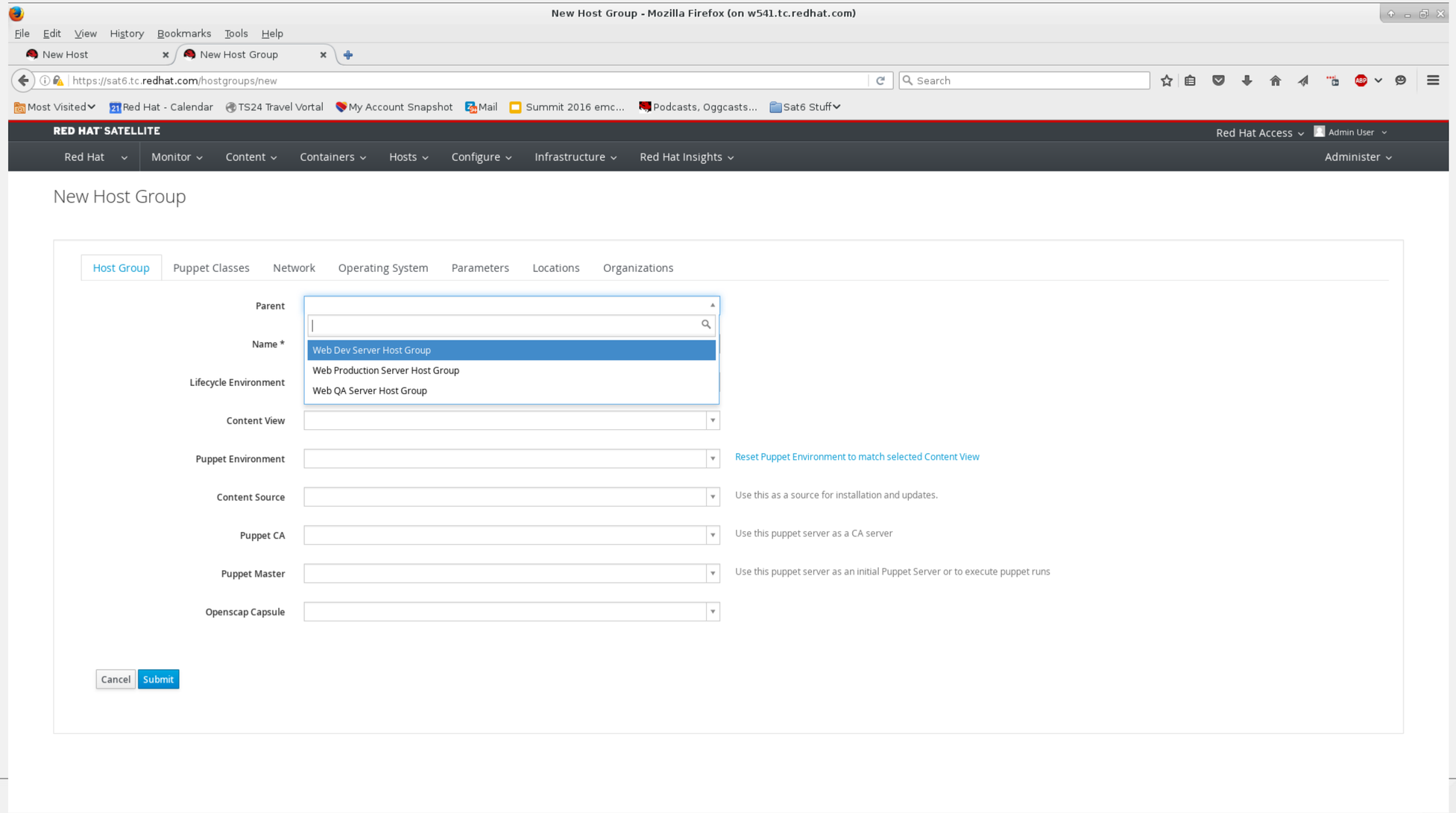
# First HG done



# Repeat for each HG you need



# Nested HGs – role/location



# Nested HGs – role/location

New Host Group - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

New Host | New Host Group

https://sat6.tc.redhat.com/hostgroups/new

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## New Host Group

Host Group | Puppet Classes | Network | Operating System | Parameters | Locations | Organizations | Activation Keys

| | | |
|---|---|---|
| Parent | Web Dev Server Host Group | |
| Name * | Web Dev Server Host Group - Austin | |
| Lifecycle Environment | Development | |
| Content View | drupal7 server CCV | |
| Puppet Environment | Inherit parent (KT_Default_Organization_Development_drupal7_server_CCV_8) | Reset Puppet Environment to match selected Content View |
| Content Source | Inherit parent (sat6.tc.redhat.com) | Use this as a source for installation and updates. |
| Puppet CA | Inherit parent (sat6.tc.redhat.com) | Use this puppet server as a CA server |
| Puppet Master | Inherit parent (sat6.tc.redhat.com) | Use this puppet server as an initial Puppet Server or to execute puppet runs |
| Openscap Capsule | sat6.tc.redhat.com | |

Cancel | Submit



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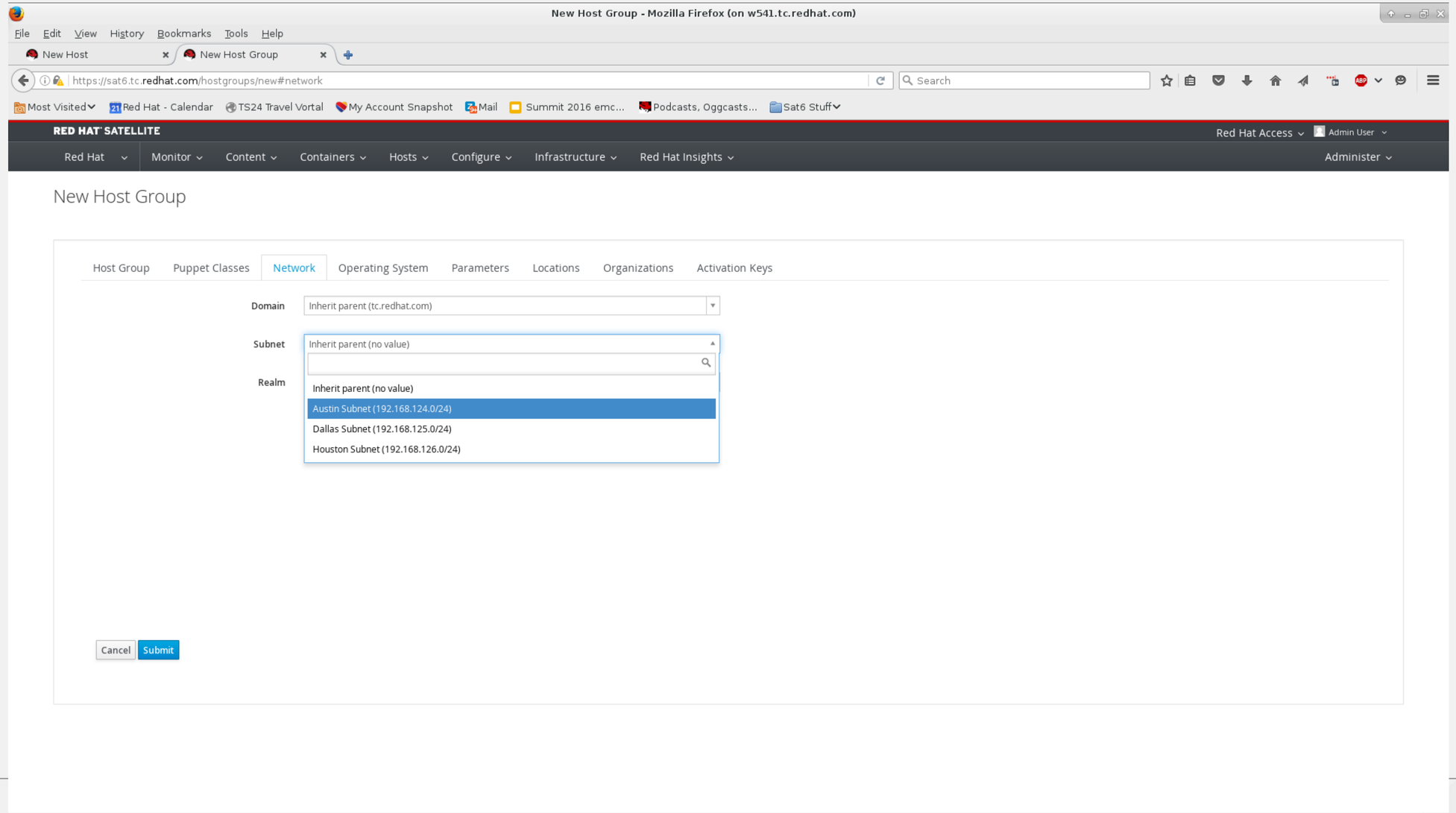
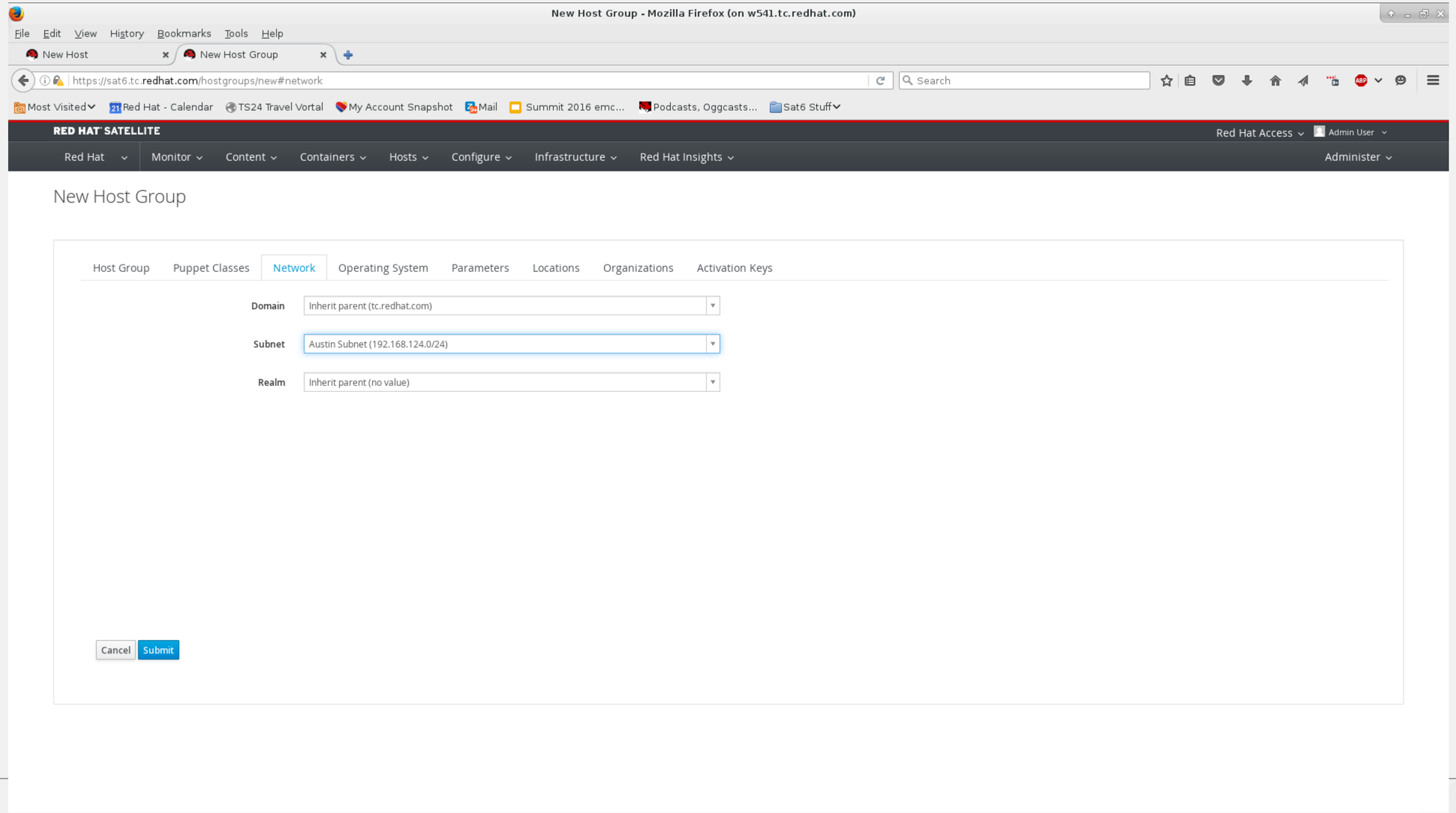
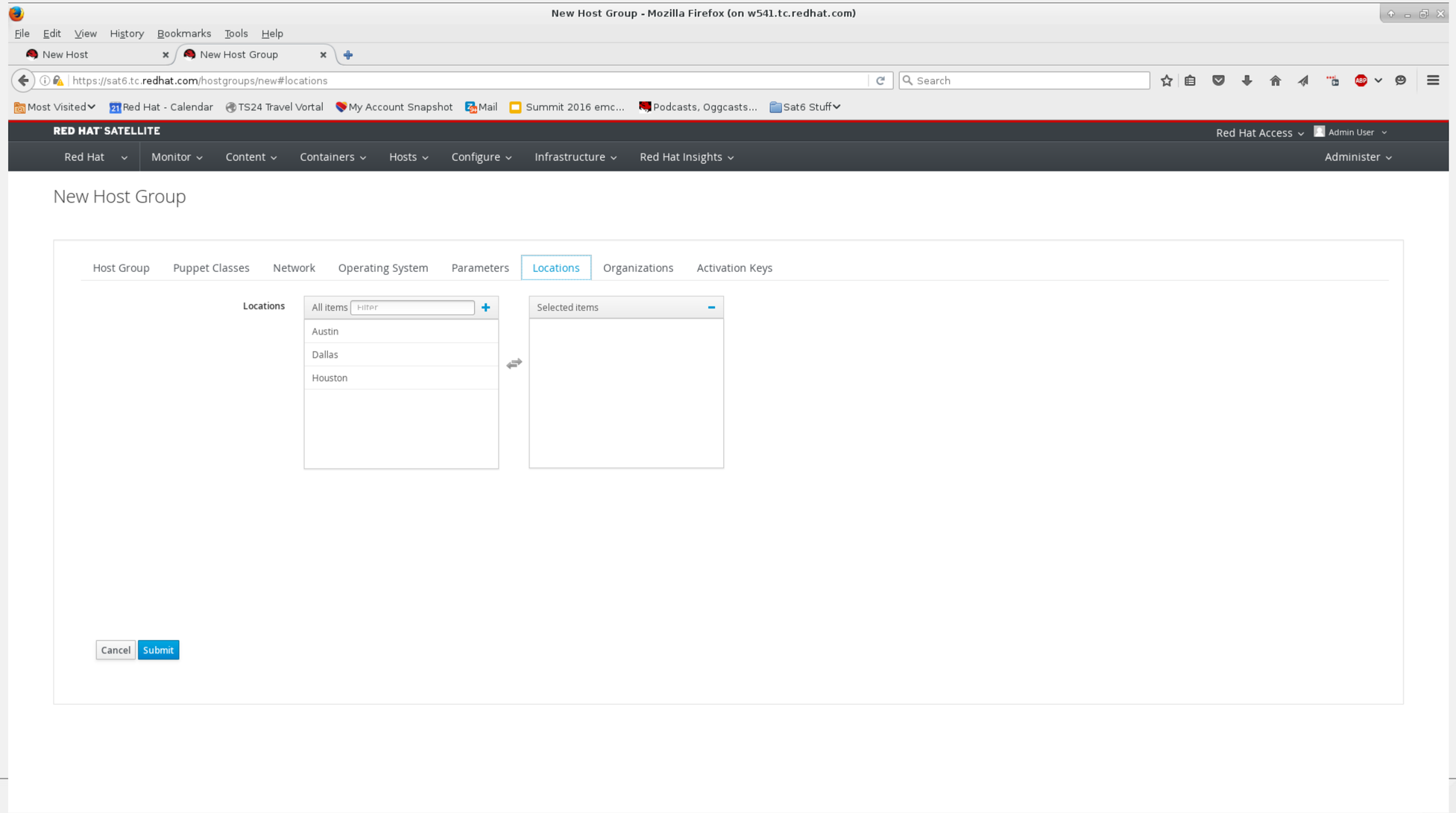
# Nested HGs – assign networks here



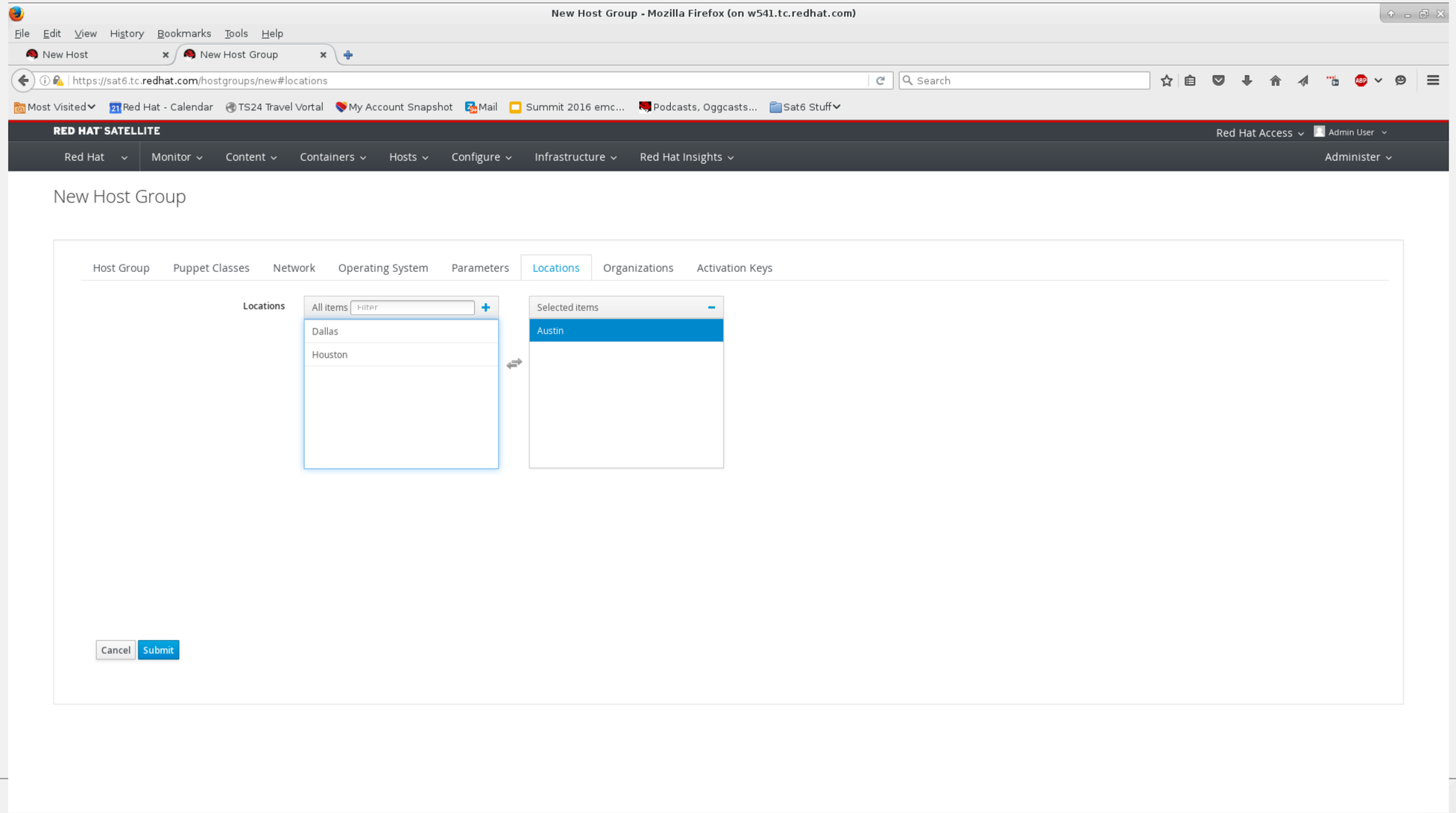
# Nested HGs – assign networks here



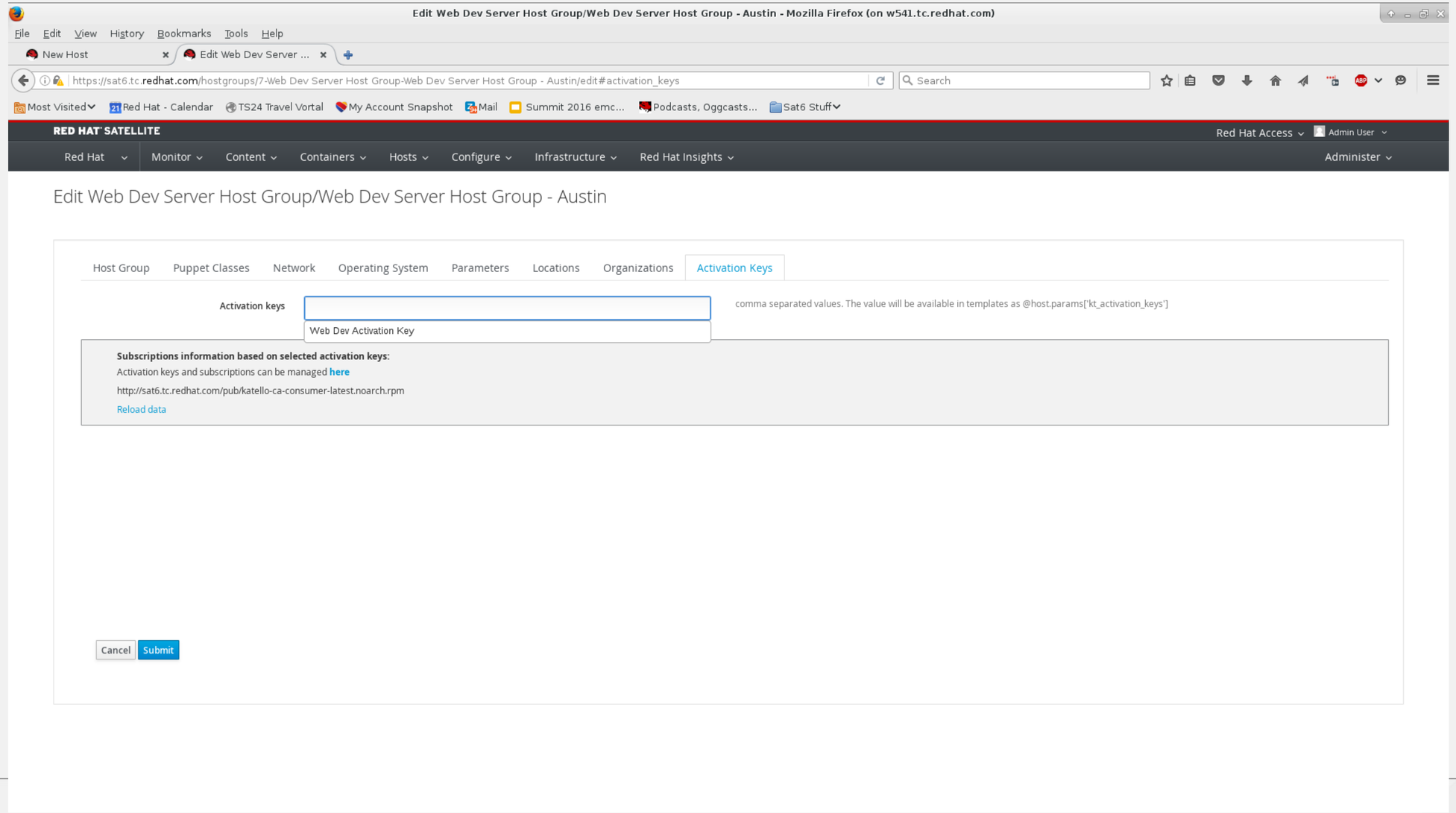
# Nested HGs – Locations



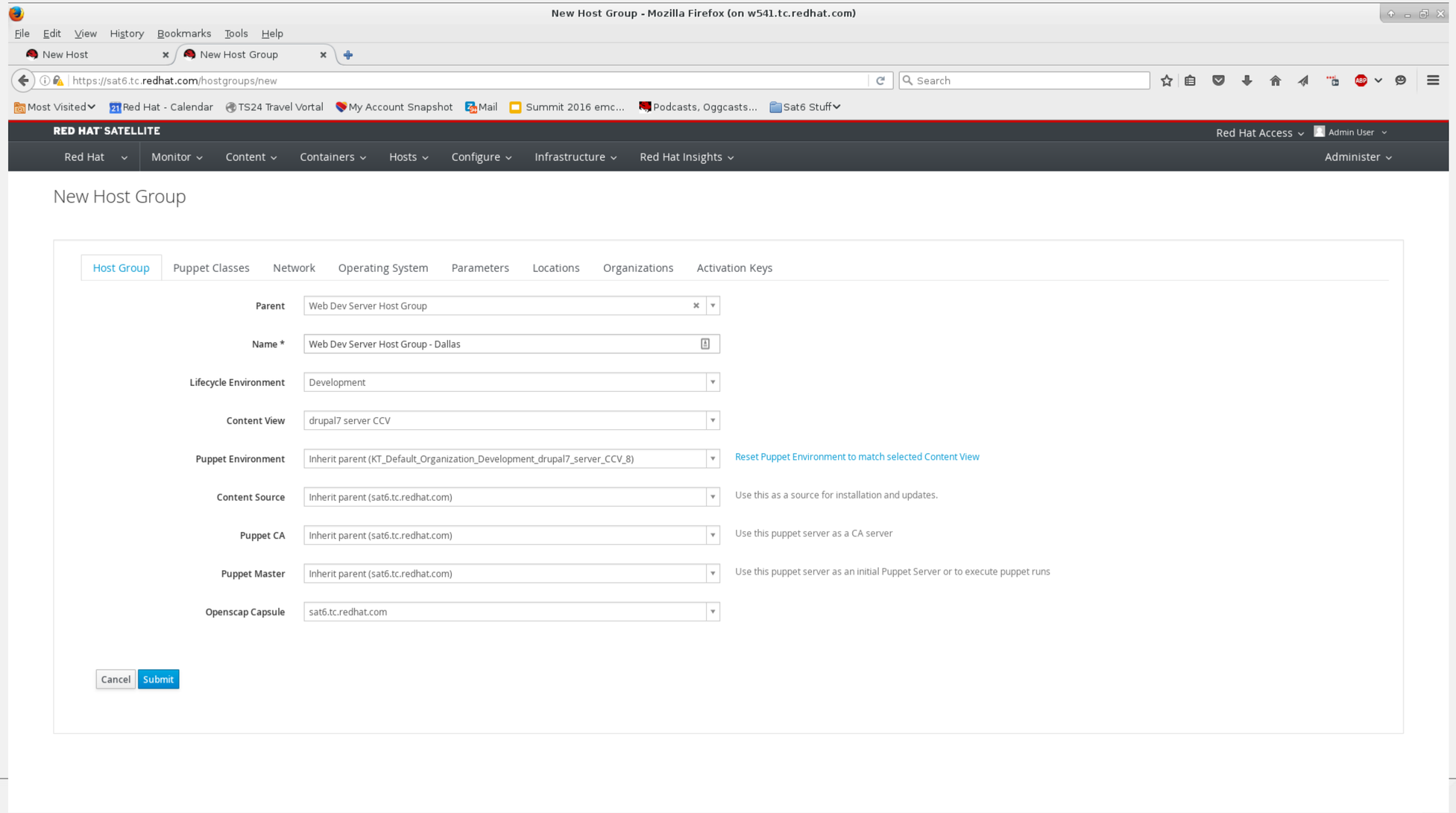
# Nested HGs – Locations



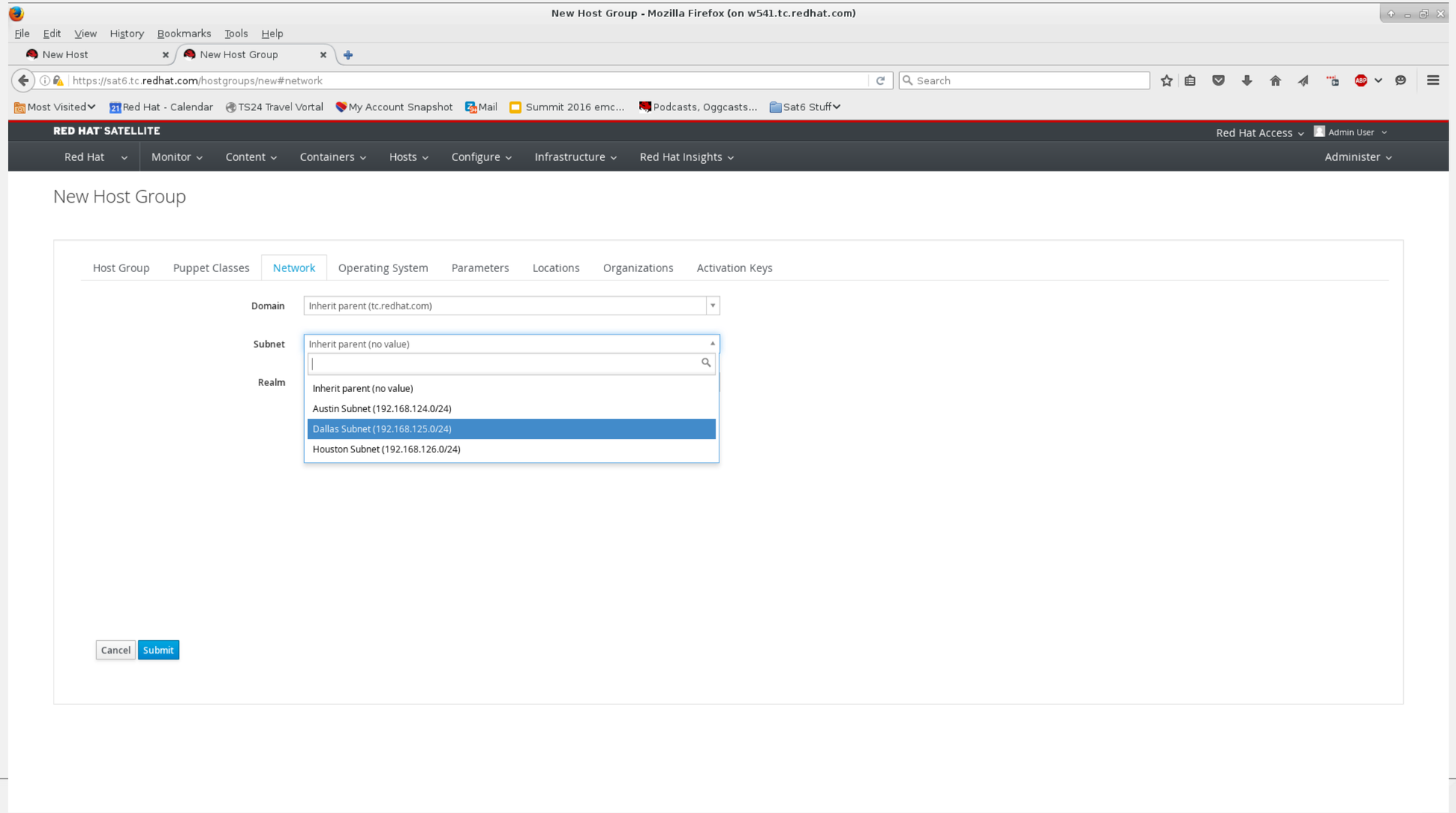
# Nested HGs – Activation Key



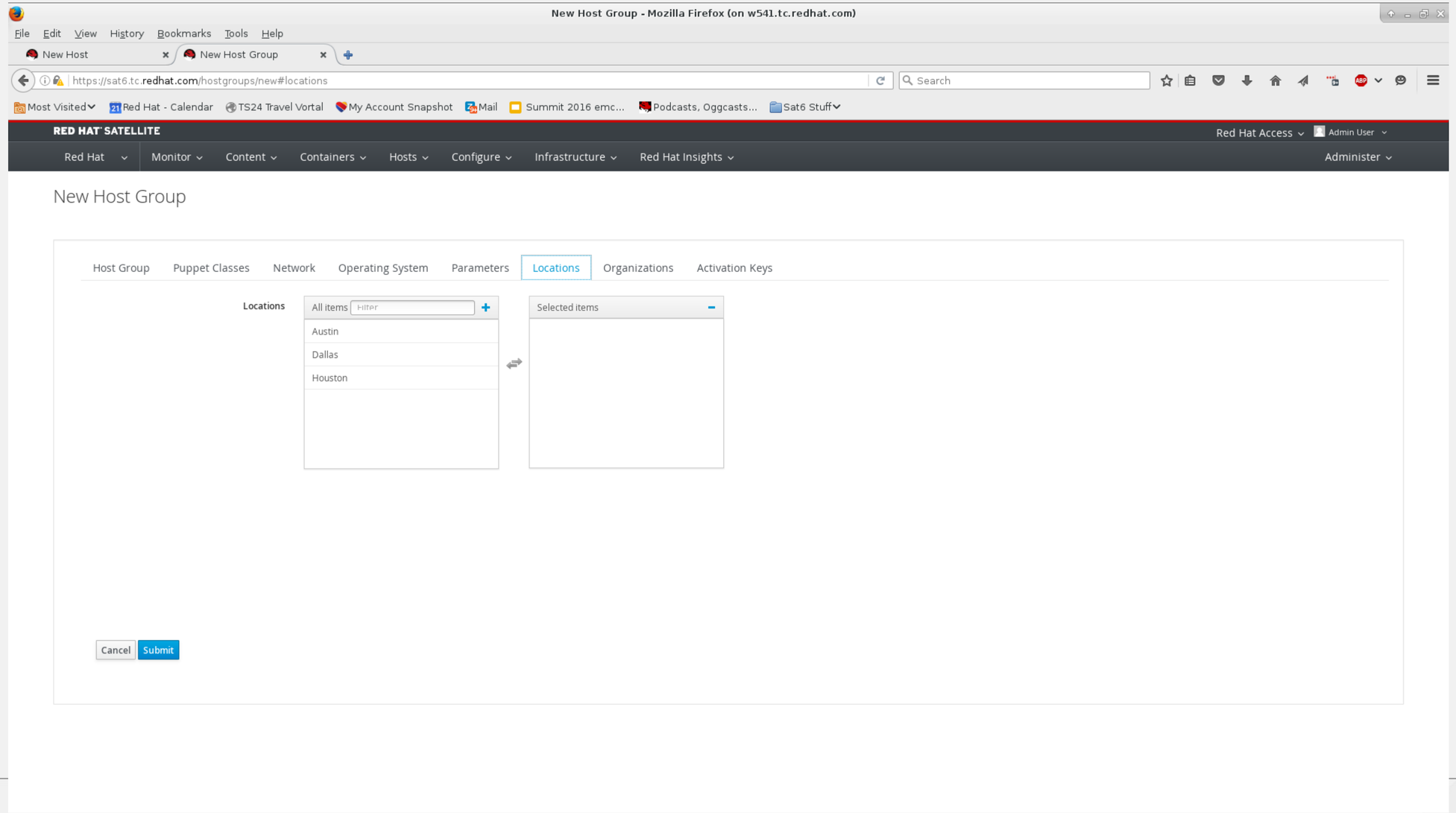
# Nested HGs – repeat for each location/subnet



# Nested HGs – repeat for each location/subnet



# Nested HGs – repeat for each location/subnet



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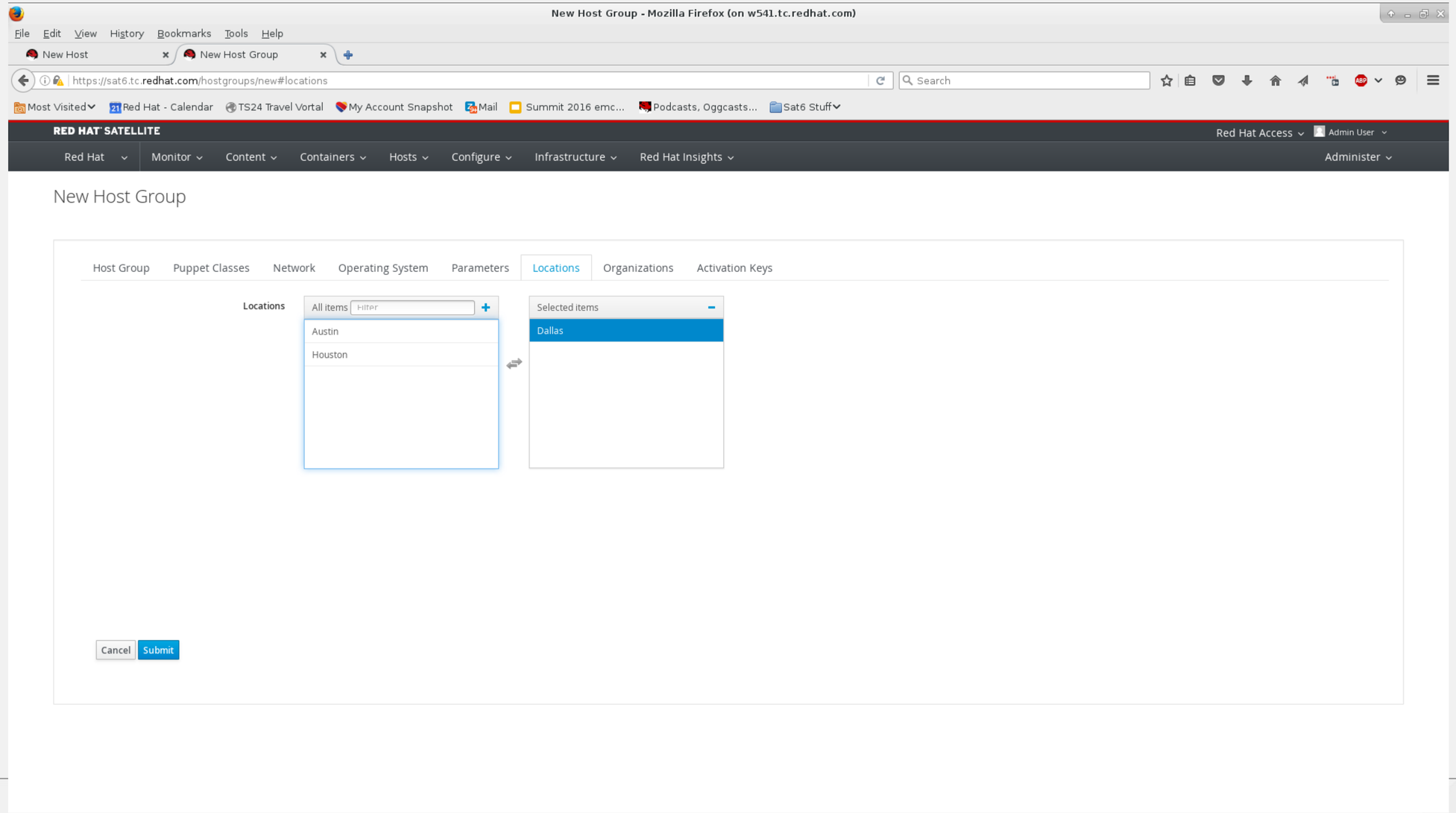
# Nested HGs – repeat for each location/subnet



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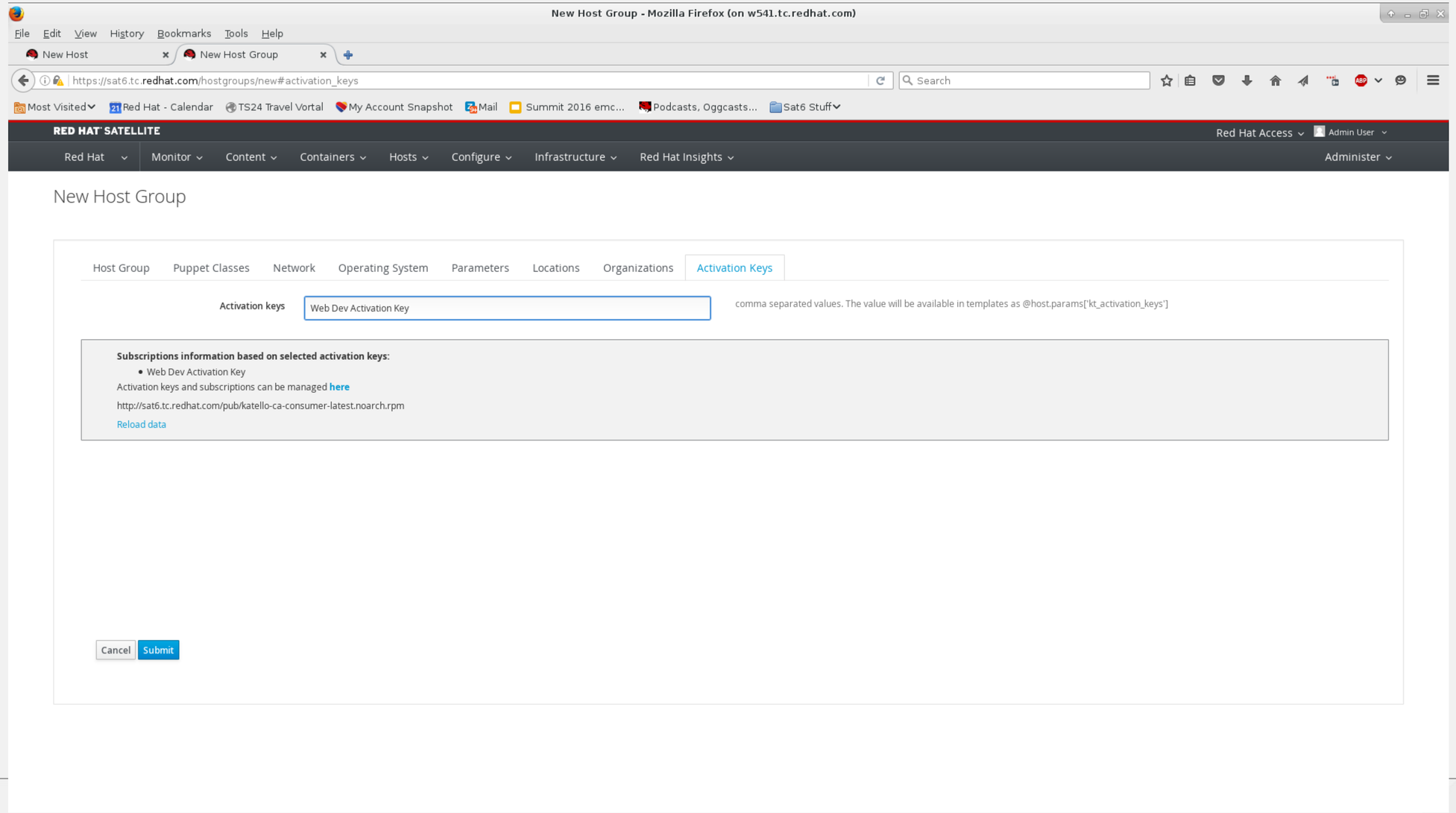
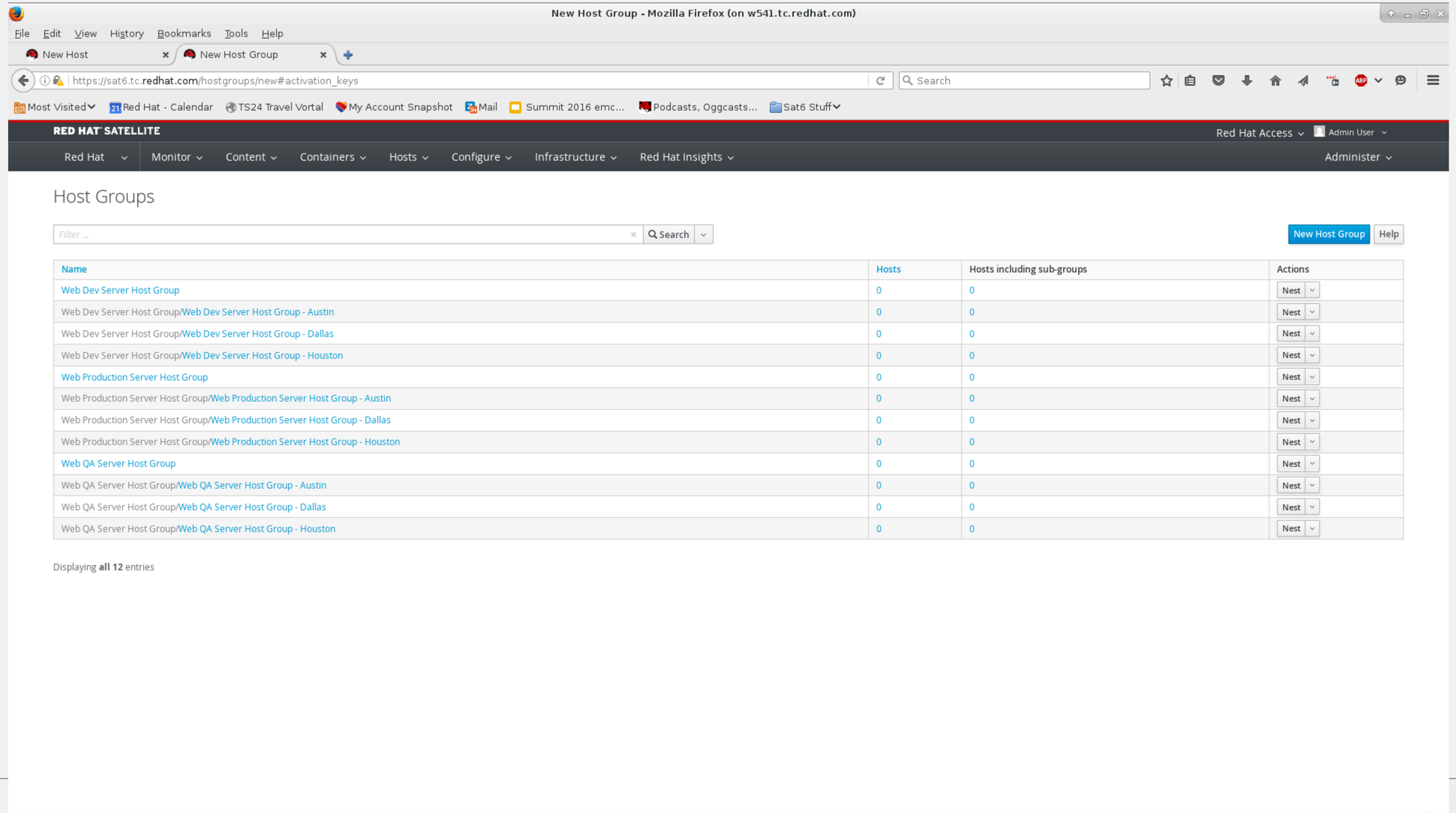
# Nested HGs – repeat for each location/subnet



# End result


New Host Group - Mozilla Firefox (on w541.tc.redhat.com)
File Edit View History Bookmarks Tools Help
New Host
New Host Group
https://sat6.tc.redhat.com/hostgroups/new#activation_keys
Search
Most Visited
Red Hat - Calendar
TS24 Travel Vortal
My Account Snapshot
Mail
Summit 2016 emc...
Podcasts, Oggcasts...
Sat6 Stuff
RED HAT SATELLITE
Red Hat Access
Admin User
Red Hat
Monitor
Content
Containers
Hosts
Configure
Infrastructure
Red Hat Insights
Administer
Host Groups
Filter ...
Search
New Host Group
Help
Name
Hosts
Hosts including sub-groups
Actions
Web Dev Server Host Group 0 0 Nest
Web Dev Server Host Group/Web Dev Server Host Group - Austin 0 0 Nest
Web Dev Server Host Group/Web Dev Server Host Group - Dallas 0 0 Nest
Web Dev Server Host Group/Web Dev Server Host Group - Houston 0 0 Nest
Web Production Server Host Group 0 0 Nest
Web Production Server Host Group/Web Production Server Host Group - Austin 0 0 Nest
Web Production Server Host Group/Web Production Server Host Group - Dallas 0 0 Nest
Web Production Server Host Group/Web Production Server Host Group - Houston 0 0 Nest
Web QA Server Host Group 0 0 Nest
Web QA Server Host Group/Web QA Server Host Group - Austin 0 0 Nest
Web QA Server Host Group/Web QA Server Host Group - Dallas 0 0 Nest
Web QA Server Host Group/Web QA Server Host Group - Houston 0 0 Nest
Displaying all 12 entries

# Compute Resources



redhat.

# What are compute resources?

- Basically, hypervisors. Standalone KVM (libvirt), VMWare, and Red Hat Enterprise Virtualization are all supported. We'll enable foreman to connect to the hypervisors via ssh with ssh keys.

# On the Satellite, su to foreman and run bash

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
[root@sat6 ~]# su - foreman -s /bin/bash
Last login: Wed Jun 22 00:36:17 CDT 2016 on pts/0
-bash-4.2$
```



redhat.

# Run ssh-keygen with no password/passphrase

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
-bash-4.2$ 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:
24:65:cc:3e:ac:d6:a3:48:c7:09:0b:73:38:fa:70:0d foreman@sat6.tc.redhat.com
The key's randomart image is:
+--[ RSA 2048]----+
|       oo        |
|       oo        |
|    .  .o.       |
|   E o  o+       |
| . B + +S.       |
|o . + * o        |
| + . + . .       |
|   . . .         |
|                 |
+-----------------+
-bash-4.2$
```



redhat.

# ssh-copy-id to every hypervisor you want to use

Terminal - root@sat6:~

File Edit View Terminal Tabs Help

```
-bash-4.2$ ssh-copy-id root@w541.tc.redhat.com
The authenticity of host 'w541.tc.redhat.com (192.168.124.1)' can't be establish
ed.
ECDSA key fingerprint is f2:b8:11:c4:19:74:6d:03:67:41:27:39:98:01:b2:ca.
Are you sure you want to continue connecting (yes/no)? yes
/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out
any that are already installed
/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted n
ow it is to install the new keys
root@w541.tc.redhat.com's password:

Number of key(s) added: 1

Now try logging into the machine, with:   "ssh 'root@w541.tc.redhat.com'"
and check to make sure that only the key(s) you wanted were added.

-bash-4.2$
```



redhat.

# Test by connecting to the host with short and long hostnames

Terminal - root@w541:~

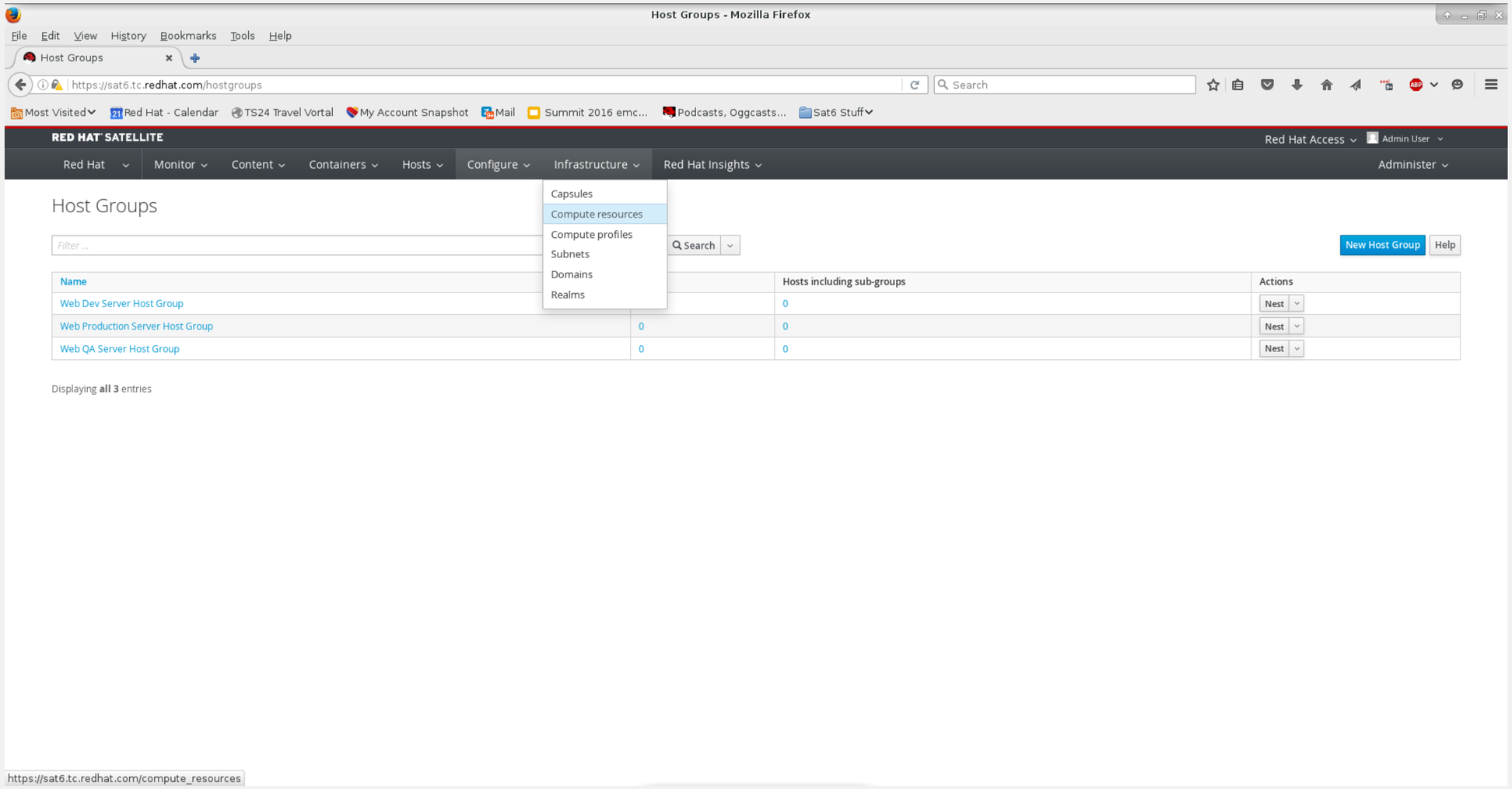
File Edit View Terminal Tabs Help

```
-bash-4.2$ ssh root@w541.tc.redhat.com
Last login: Tue Jun 21 22:38:11 2016 from 192.168.124.30
[root@w541 ~]# hostname
w541.tc.redhat.com
[root@w541 ~]# logout
Connection to w541.tc.redhat.com closed.
-bash-4.2$
```

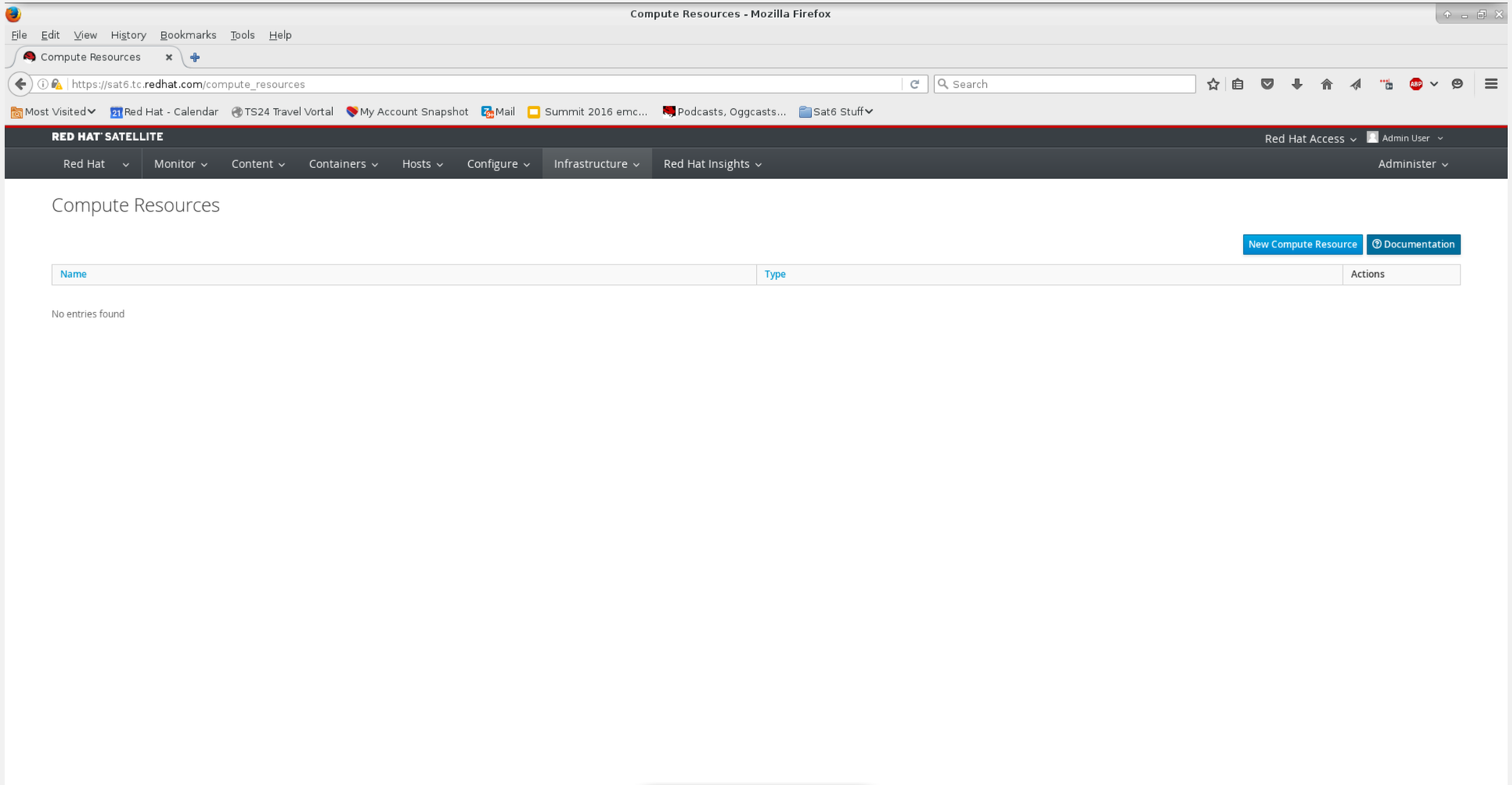


redhat.

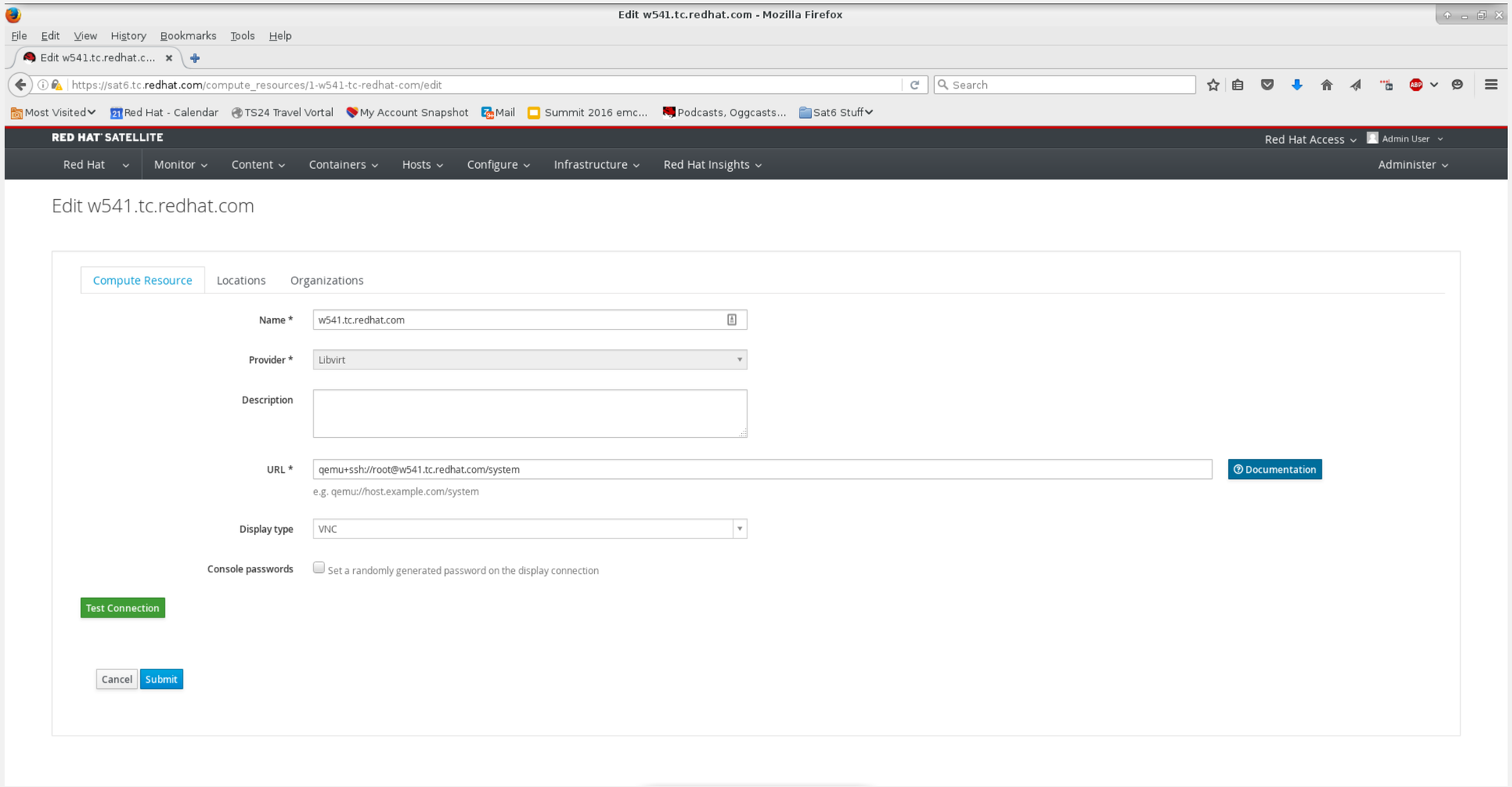
# Navigate to Infrastructure/Compute resources



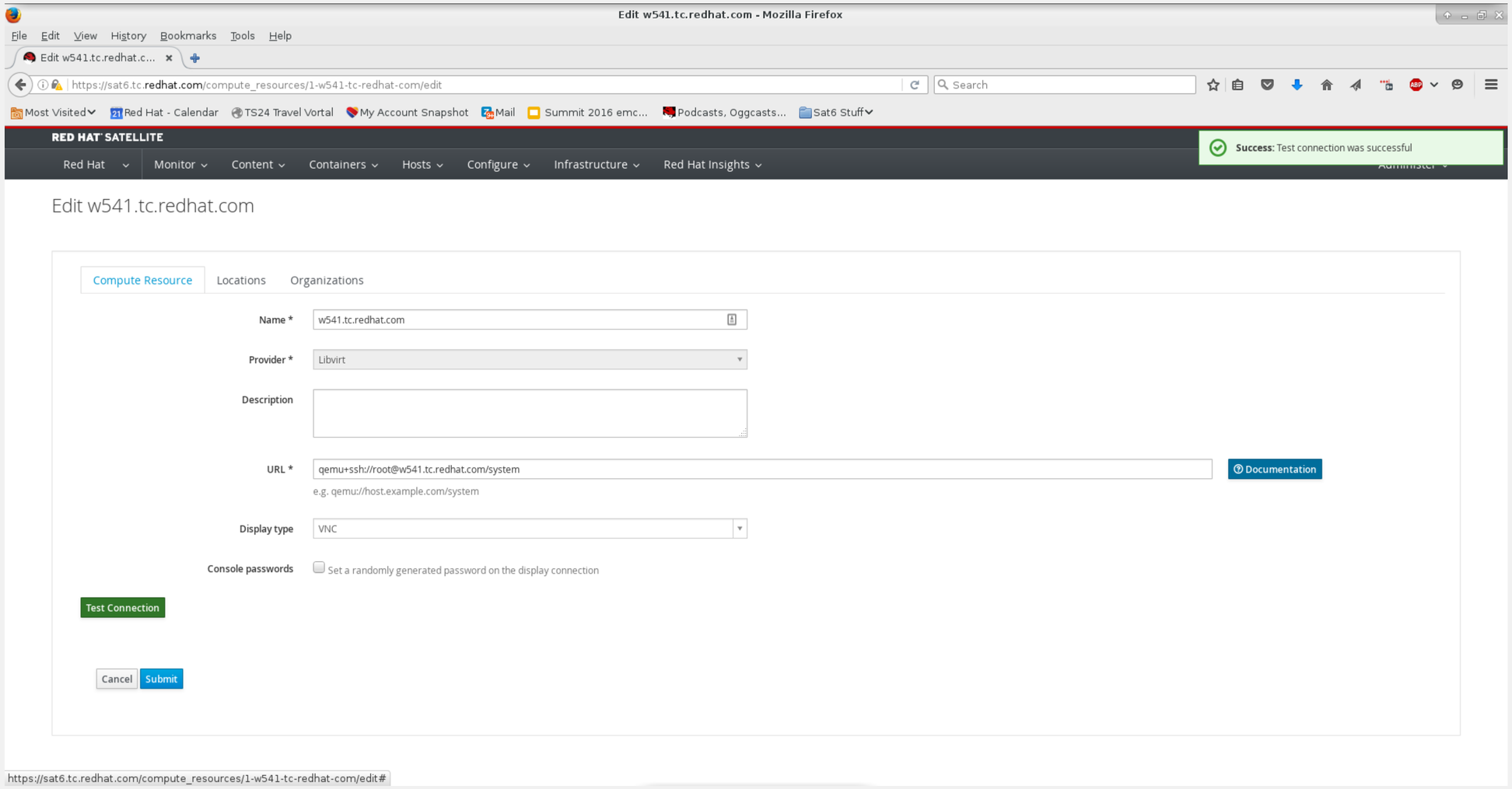
# Create a new one



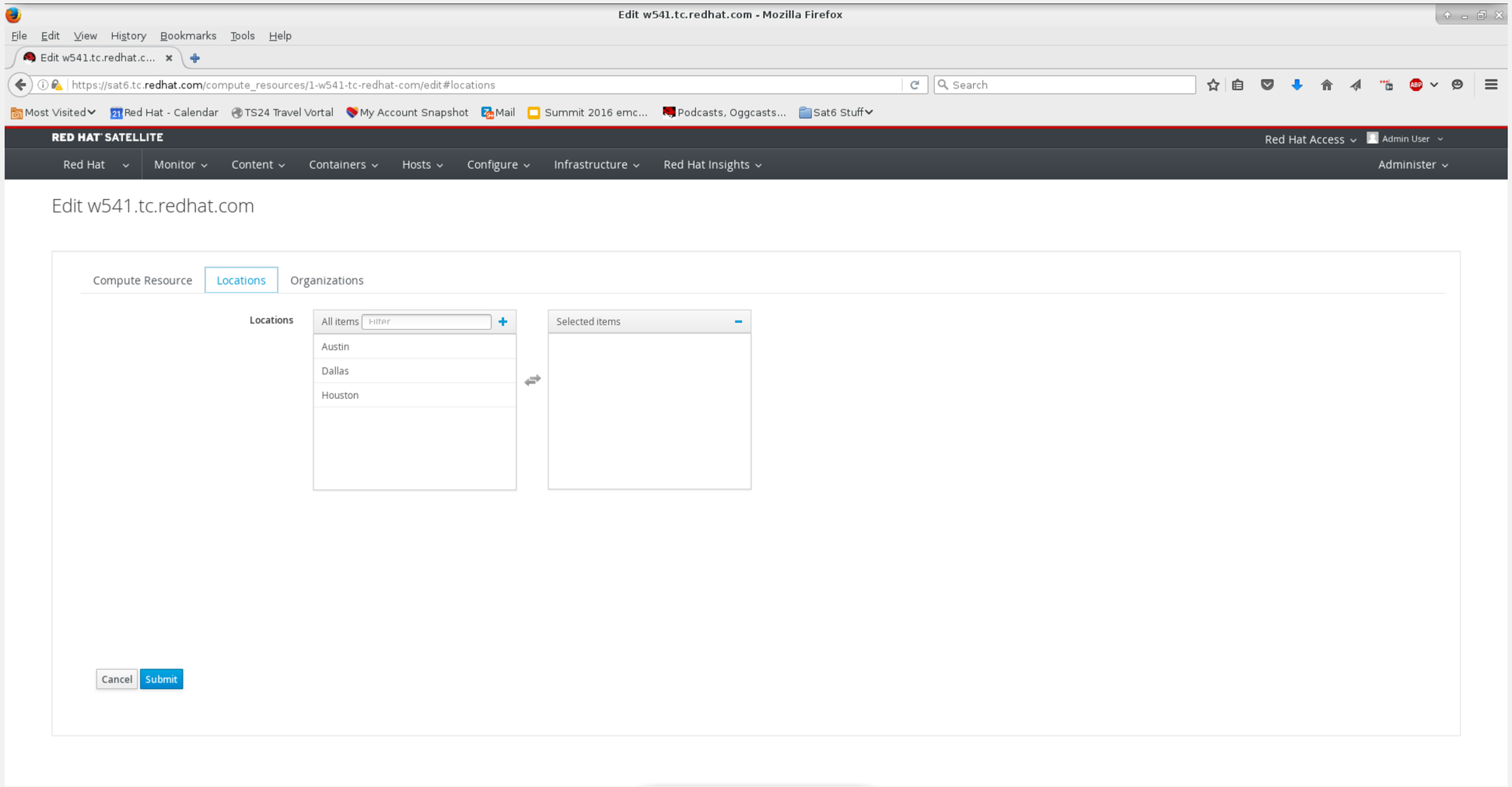
# Create a new one – qemu+ssh in this case



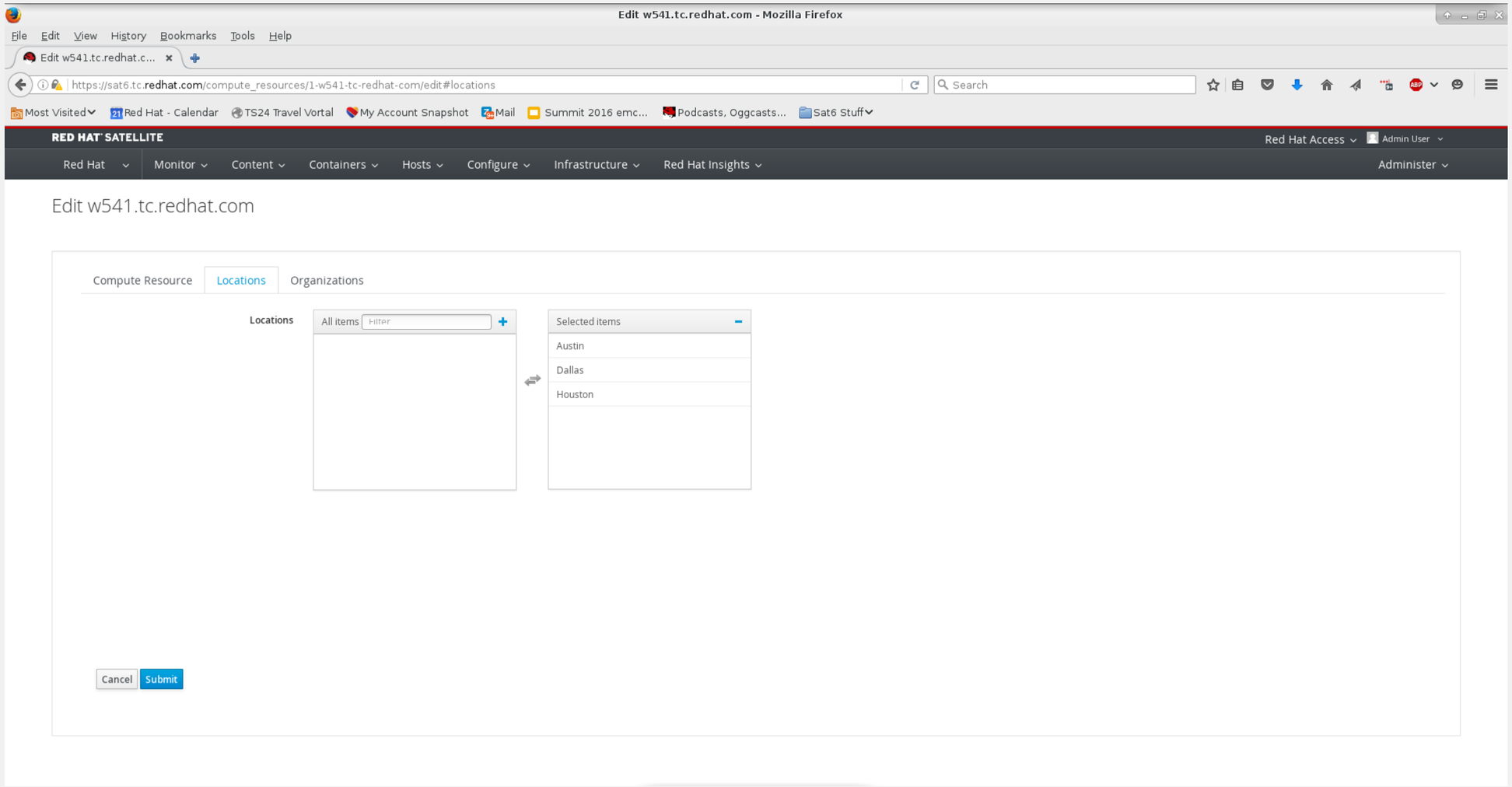
# Test the connection until it works



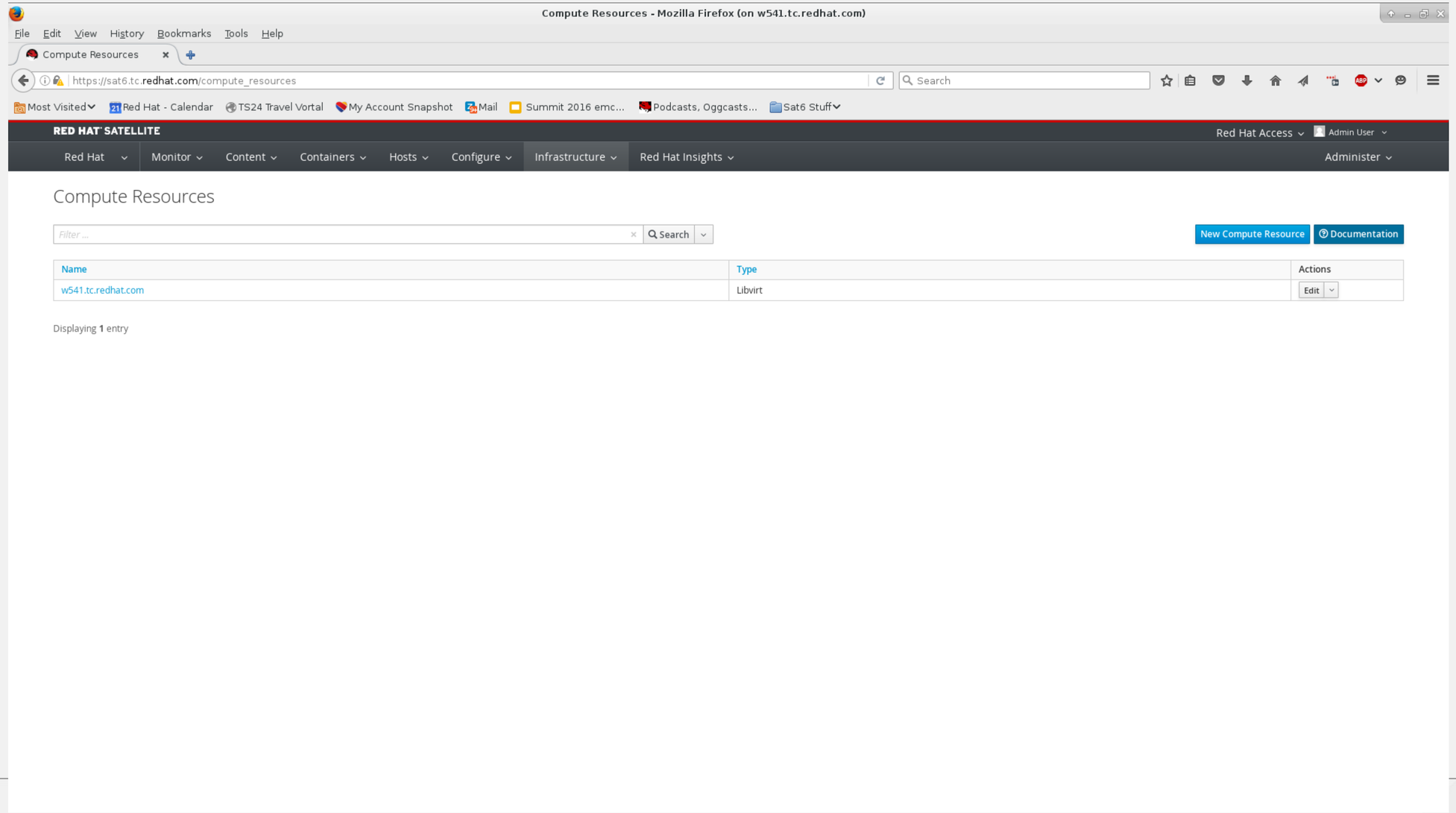
# Add the locations which the compute resource serves



# Add the locations which the compute resource serves



# Done

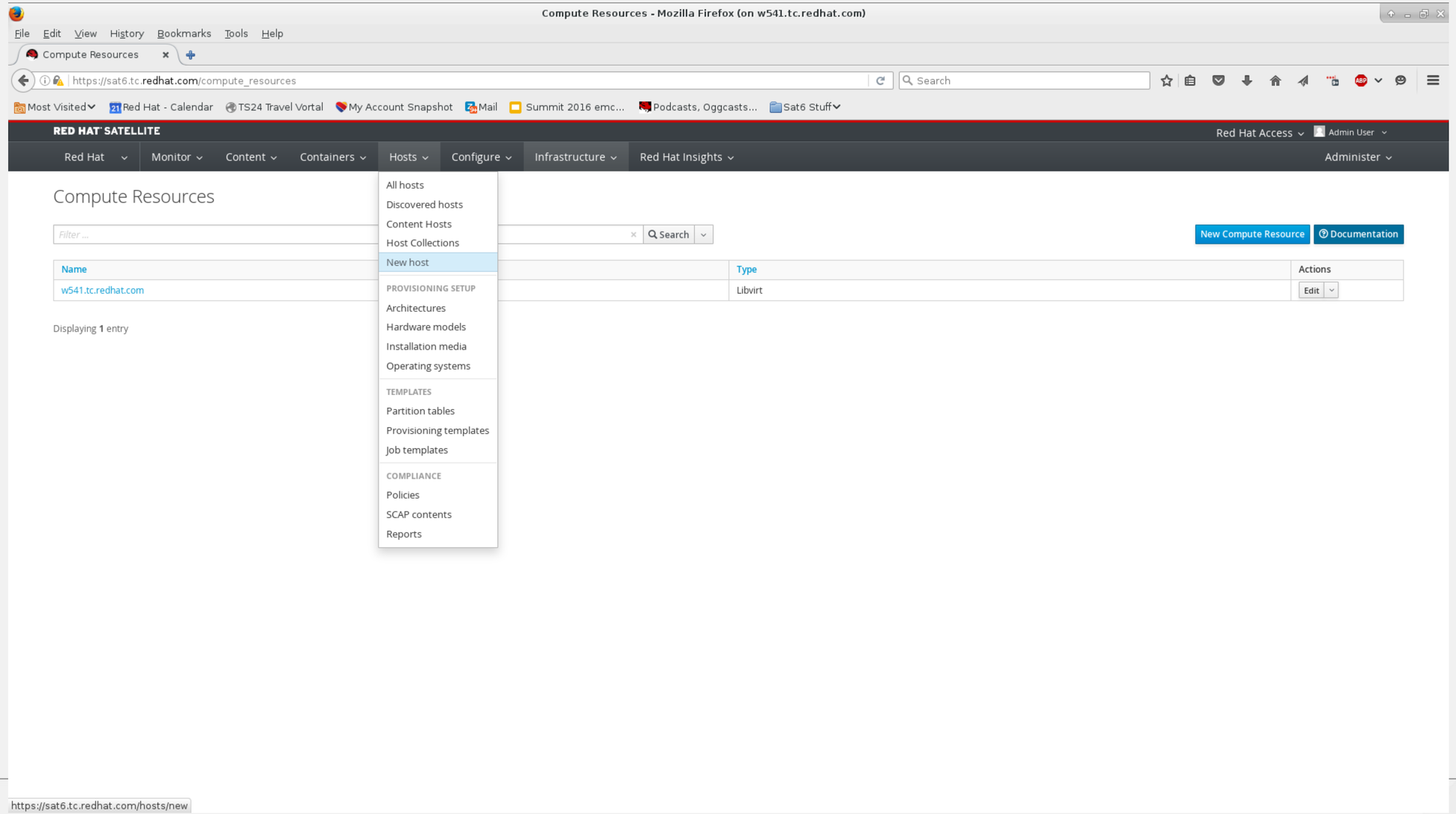

Compute Resources - Mozilla Firefox (on w541.tc.redhat.com)
File Edit View History Bookmarks Tools Help
Compute Resources
https://sat6.tc.redhat.com/compute_resources
Search
Most Visited
Red Hat - Calendar
TS24 Travel Vortal
My Account Snapshot
Mail
Summit 2016 emc...
Podcasts, Oggcasts...
Sat6 Stuff
RED HAT SATELLITE
Red Hat Access
Admin User
Red Hat
Monitor
Content
Containers
Hosts
Configure
Infrastructure
Red Hat Insights
Administer
Compute Resources
Filter ...
Search
New Compute Resource
Documentation
Name
Type
Actions
w541.tc.redhat.com
Libvirt
Edit
Displaying 1 entry

# Create a new host

# Now we tie all this together to build a new host

- We'll kick off a build using parameters for a web development server located in the Austin datacenter.

# Navigate to Hosts/New Host



# Fill in the name, location, host group, etc.

New Host - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

New Host

https://sat6.tc.redhat.com/hosts/new

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

New Host

Host | Puppet Classes | Interfaces | Operating System | Parameters | Additional Information

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

Organization * — Red Hat

Location *

Host Group

Deploy on — Bare Metal

Lifecycle Environment

Content View

Puppet Environment — Reset Puppet Environment to match selected Content View

Content Source — Use this as a source for installation and updates.

Puppet CA — inherit — Use this puppet server as a CA server

Puppet Master — inherit — Use this puppet server as an initial Puppet Server or to execute puppet runs

Openscap Capsule

Cancel | Submit



redhat.

# Fill in the name, location, host group, etc.

New Host - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

New Host | New Host

https://sat6.tc.redhat.com/hosts/new

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RED HAT SATELLITE — Red Hat Access | Admin User

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## New Host

Host | Puppet Classes | Interfaces | Operating System | Virtual Machine | Parameters | Additional Information

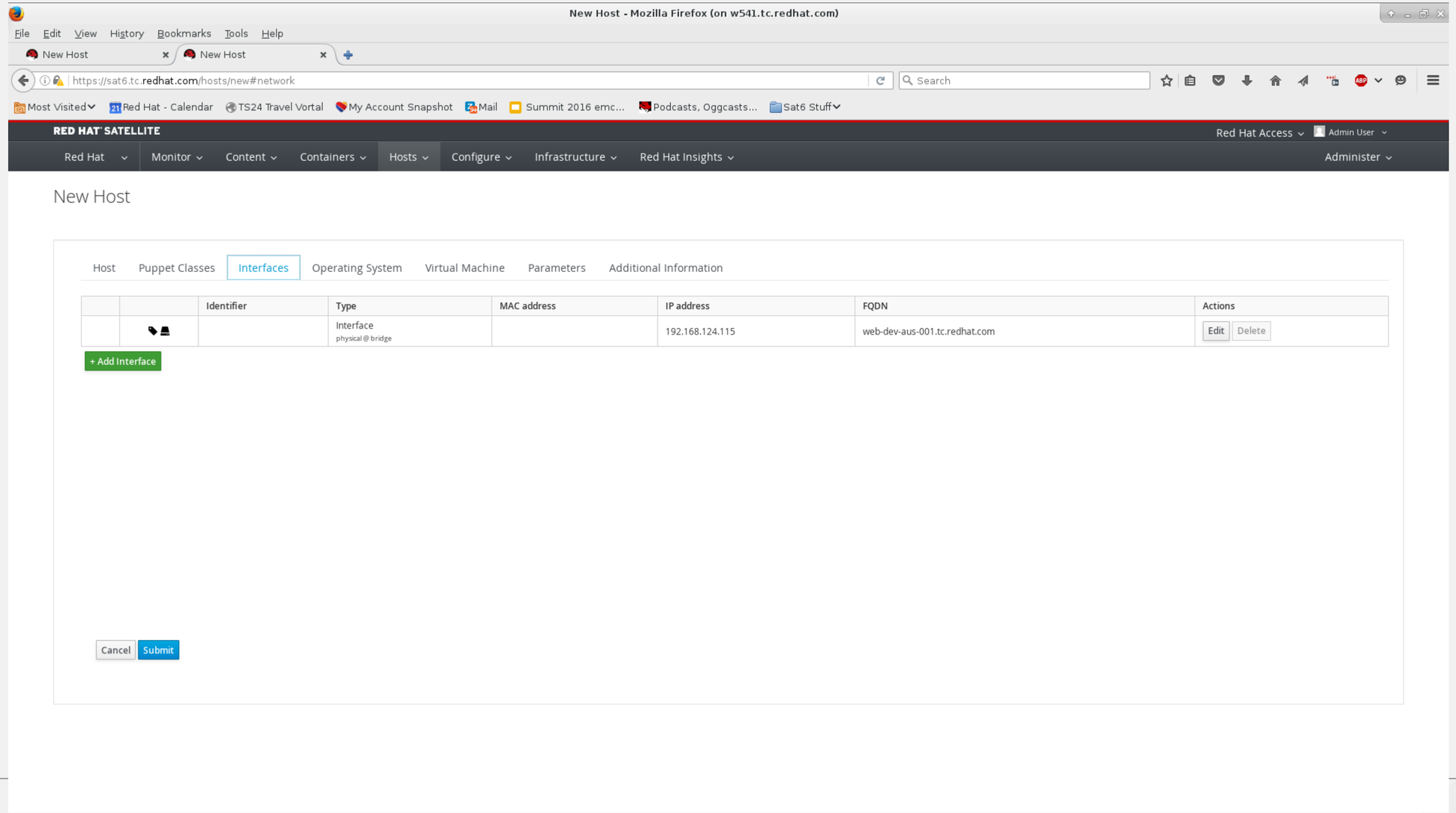
| | | |
|---|---|---|
| Name * | web-dev-aus-001 | This value is used also as the host's primary interface name. |
| Organization * | Red Hat | |
| Location * | Austin | |
| Host Group | Web Dev Server Host Group/Web Dev Server Host Group - Austin | |
| Deploy on | w541.tc.redhat.com (Libvirt) | |
| Lifecycle Environment | Development | |
| Content View | drupal7 server CCV | |
| Puppet Environment | KT_Default_Organization_Development_drupal7_server_CCV_8 | Reset Puppet Environment to match selected Content View |
| Content Source | sat6.tc.redhat.com | Use this as a source for installation and updates. |
| Puppet CA | sat6.tc.redhat.com inherit | Use this puppet server as a CA server |
| Puppet Master | sat6.tc.redhat.com inherit | Use this puppet server as an initial Puppet Server or to execute puppet runs |
| Openscap Capsule | sat6.tc.redhat.com | |

Cancel | Submit



redhat.

# Edit the interface



# Edit the interface

New Host - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

New Host | New Host

https://sat6.tc.redhat.com/hosts/new#network

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RED HAT SATELLITE

Red Hat Access | Admin User

Red Hat | Monitor | Content | Containers | Administer

New Host

Host | Puppet Classes | Interfaces | Operatin

| | | Identifier | Type |
|---|---|---|---|
| | | | Inte phys |

+ Add Interface

Actions: Edit | Delete

Cancel | Submit

**Interface**

| | |
|---|---|
| Type | Interface |
| MAC address | |
| Device identifier | |
| DNS name | web-dev-aus-001 |
| Domain | tc.redhat.com |
| Subnet | Austin Subnet (192.168.124.0/24) |
| IP address | 192.168.124.115 |
| | Suggest new |
| Managed | ☑ |
| Primary | ☑ |
| Provision | ☑ |
| Remote execution | ☑ |
| Virtual NIC | ☐ |

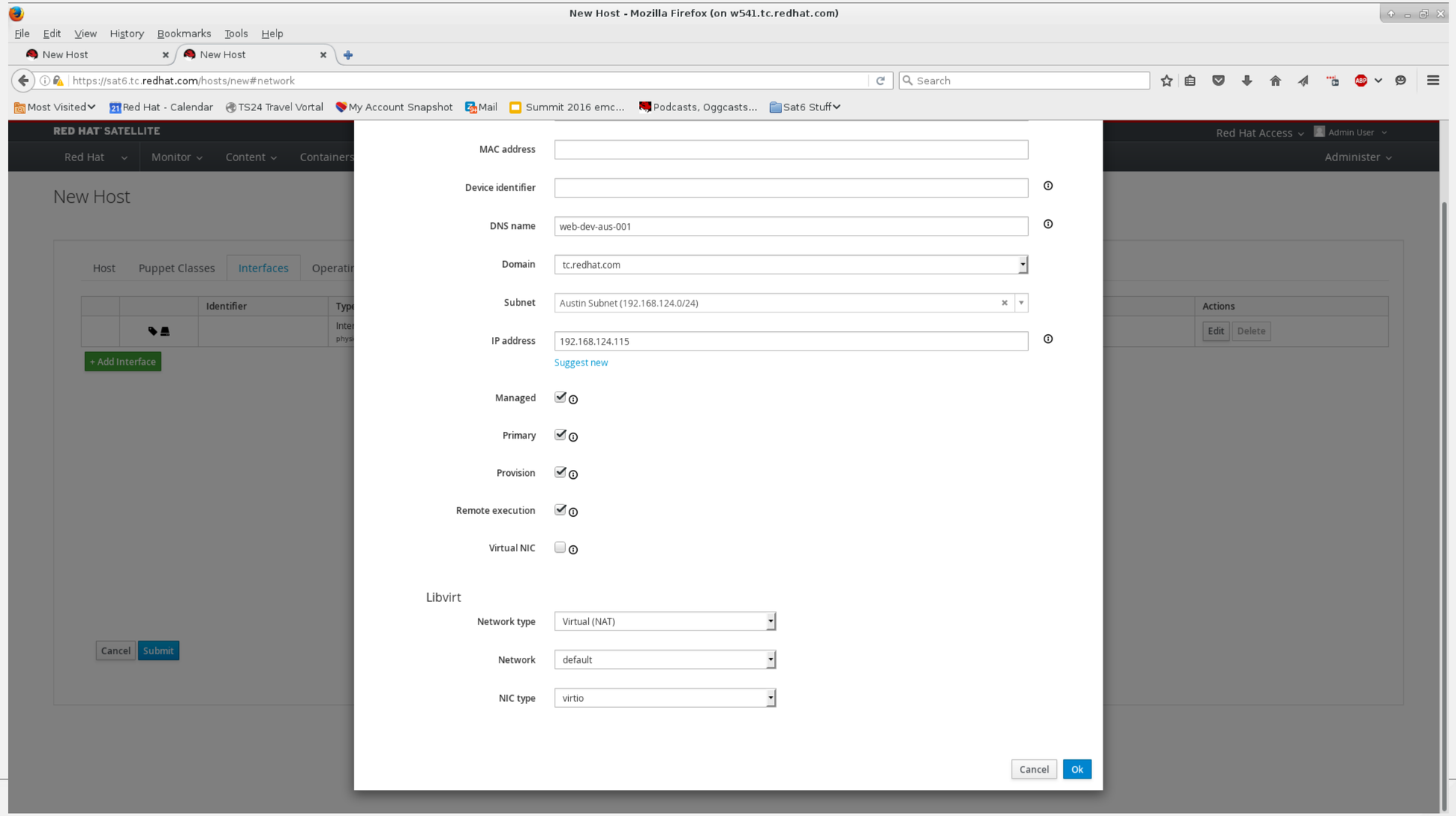
Libvirt

| | |
|---|---|
| Network type | Physical (Bridge) — Physical (Bridge) / Virtual (NAT) |
| Network | |
| NIC type | virtio |



redhat.

# Edit the interface






redhat.

# Set the OS up

New Host - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

New Host | New Host

https://sat6.tc.redhat.com/hosts/new#os

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE | Red Hat Access | Admin User

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

New Host | web-dev-aus-001.tc.redhat.com

Host | Puppet Classes | Interfaces | Operating System | Virtual Machine | Parameters | Additional Information

Architecture * x86_64

Operating system * RedHat 7.2

Provisioning Method * Network Based Image Based

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.

Media *

Partition table *

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

Provisioning templates Resolve

Display the templates that will be used to provision this host



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# Set the OS up and resolve templates

New Host - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

New Host | New Host

https://sat6.tc.redhat.com/hosts/new#os

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE | Red Hat Access | Admin User

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

New Host | web-dev-aus-001.tc.redhat.com

Host | Puppet Classes | Interfaces | Operating System | Virtual Machine | Parameters | Additional Information

Architecture * x86_64

Operating system * RedHat 7.2

Provisioning Method * Network Based Image Based

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.

Media * Default_Organization/Library/Red_Hat_Server/Red_Hat_Enterprise_Linux_7_Server_Kickst...

Partition table * Kickstart default

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

Provisioning templates Resolve

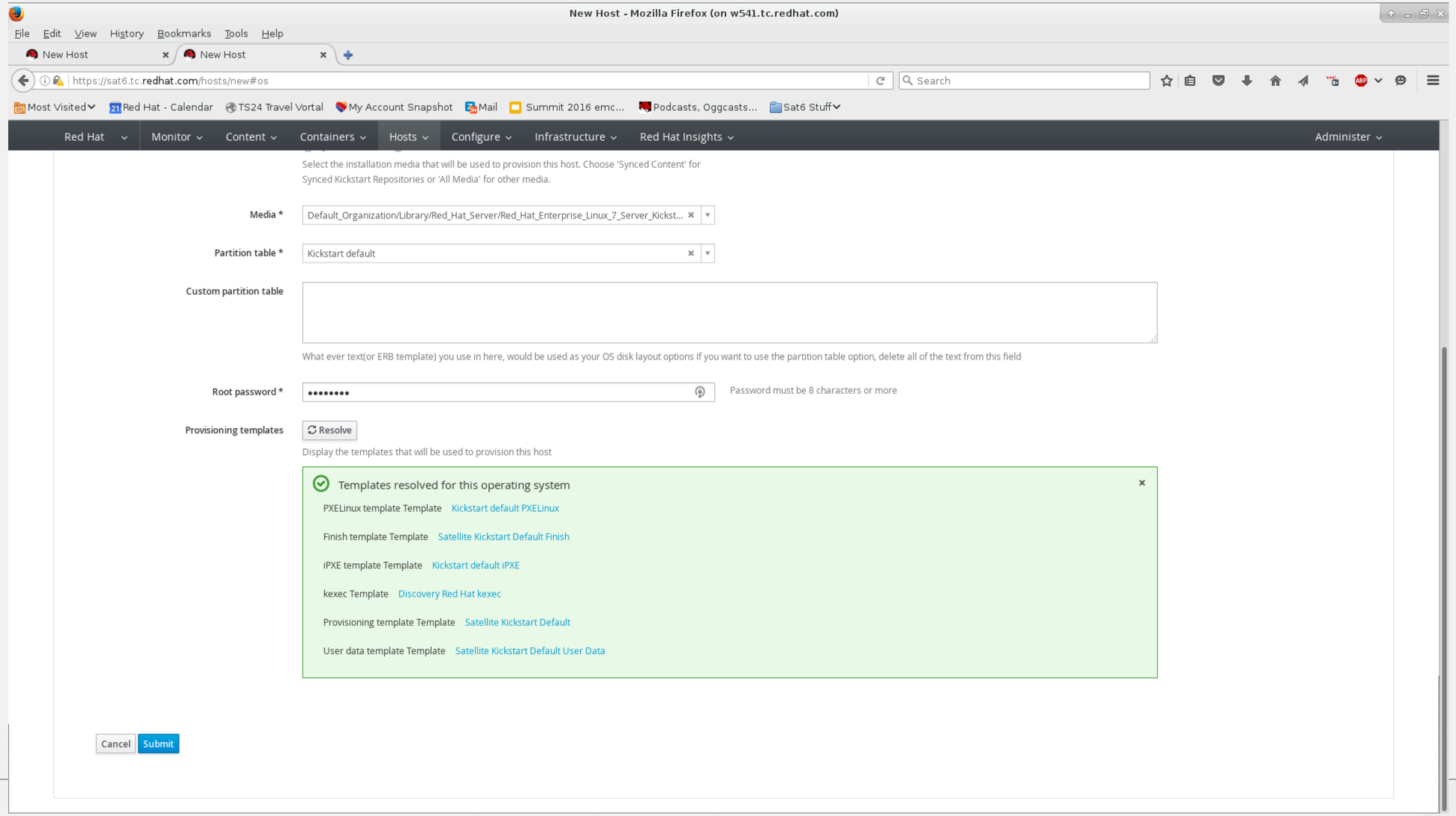
Display the templates that will be used to provision this host

Templates resolved for this operating system



redhat.

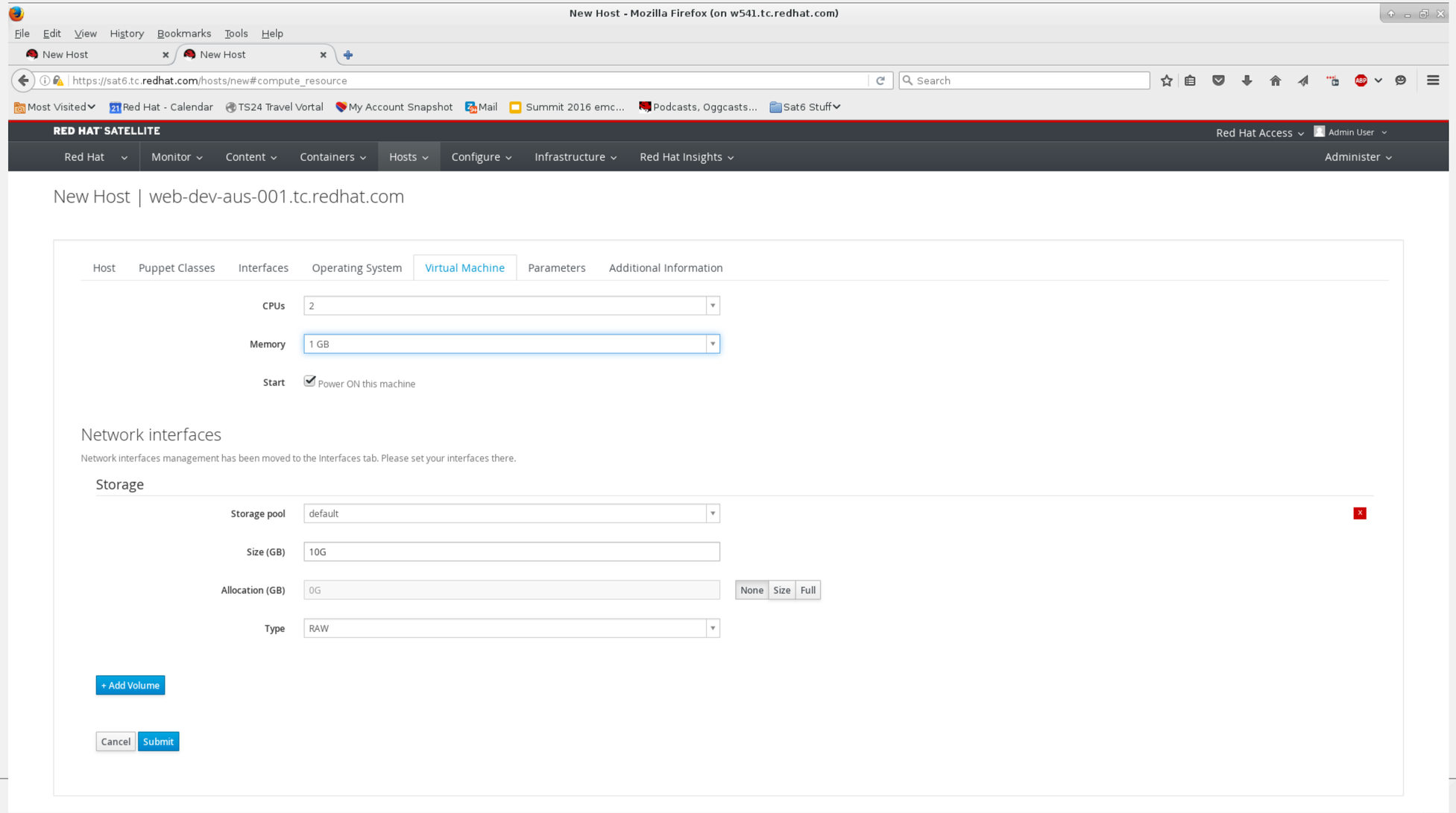
# Remember when we edited the PXE and Kickstart settings?






redhat

# Edit any host settings you want different



# Installation starts

New Host - Mozilla Firefox (on w541.tc.redhat.com)

File Edit View History Bookmarks Tools Help

New Host | New Host

https://sat6.tc.redhat.com/hosts/web-dev-aus-001.tc.redhat.com

Most Visited | Red Hat - Calendar | TS24 Travel Vortal | My Account Snapshot | Mail | Summit 2016 emc... | Podcasts, Oggcasts... | Sat6 Stuff

RED HAT SATELLITE

Red Hat Access | Admin User

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

## web-dev-aus-001.tc.redhat.com

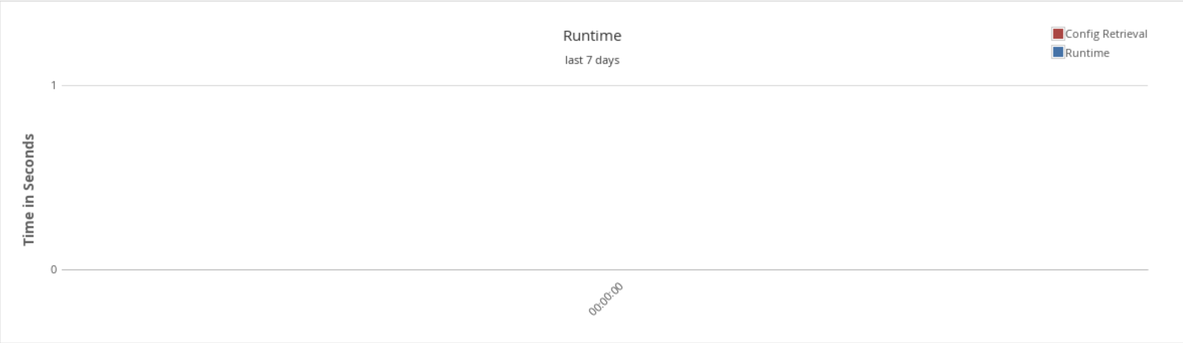
Console | Run Job | Boot disk | Edit | Cancel build | Power Off | Run puppet | Delete

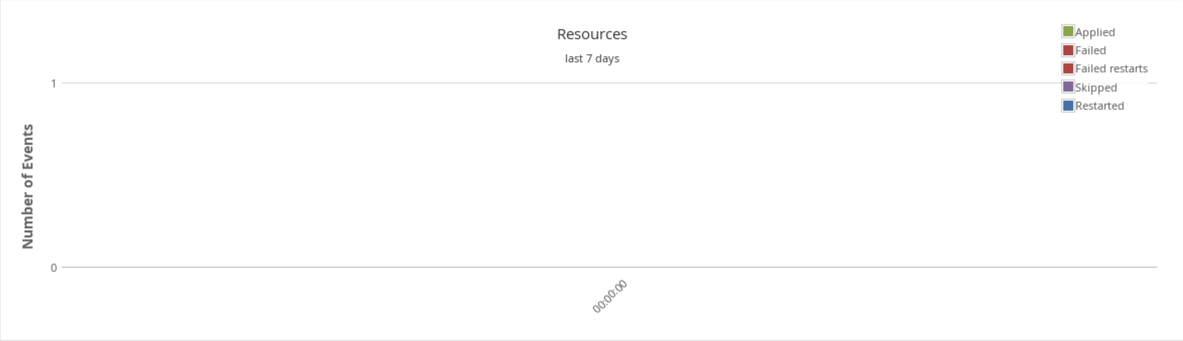
**Details**

Audits | YAML | Content

Properties | Metrics | Templates | VM | NICs

| Properties | |
|---|---|
| Status | OK |
| Build | Pending installation |
| Domain | tc.redhat.com |
| IP Address | 192.168.124.115 |
| MAC Address | 52:54:00:bb:9a:80 |
| Puppet Environment | KT_Default_Organization_Development_drupal7_server_CCV_8 |
| Host Architecture | x86_64 |
| Operating System | RedHat 7.2 |
| Host group | Web Dev Server Host Group/Web Dev Server Host Group - Austin |
| Location | Austin |
| Organization | Red Hat |
| Owner | Admin User |



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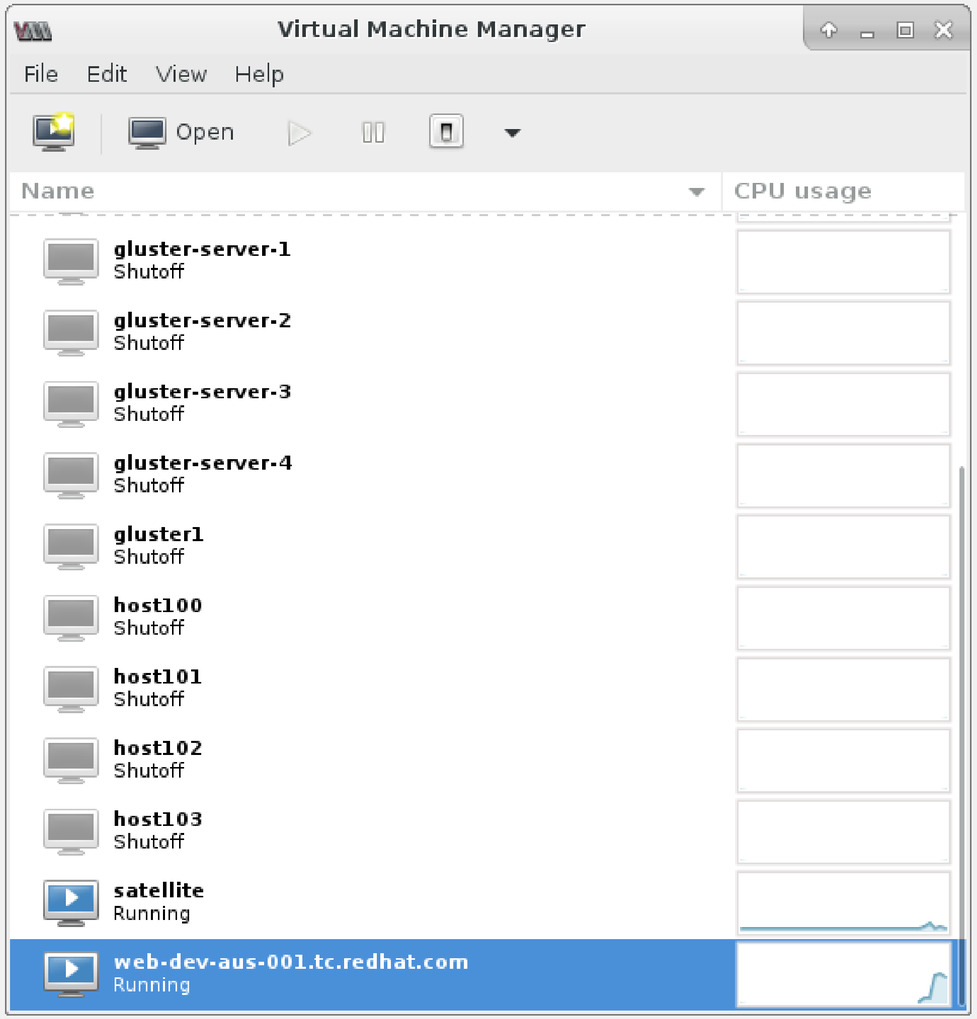
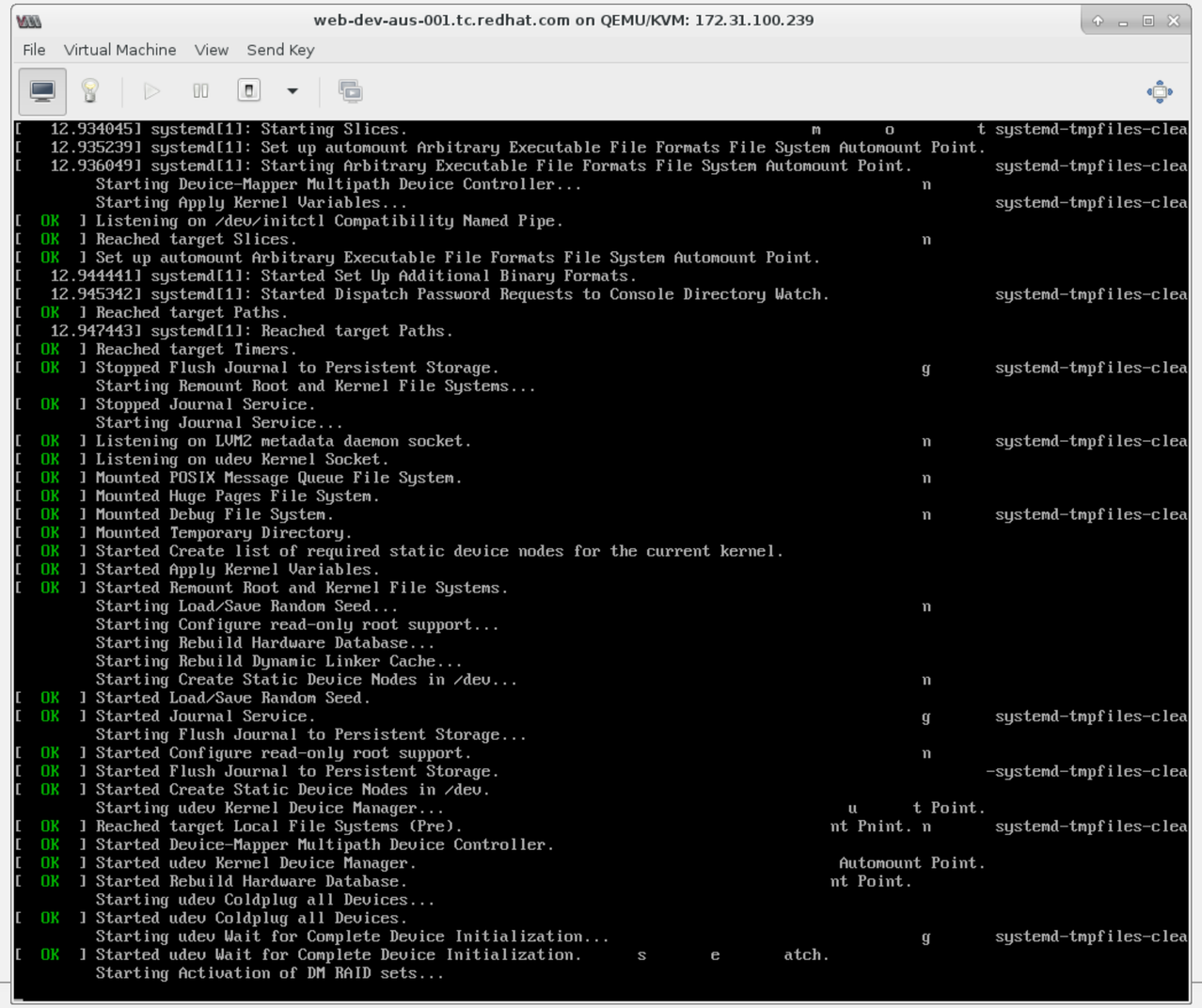
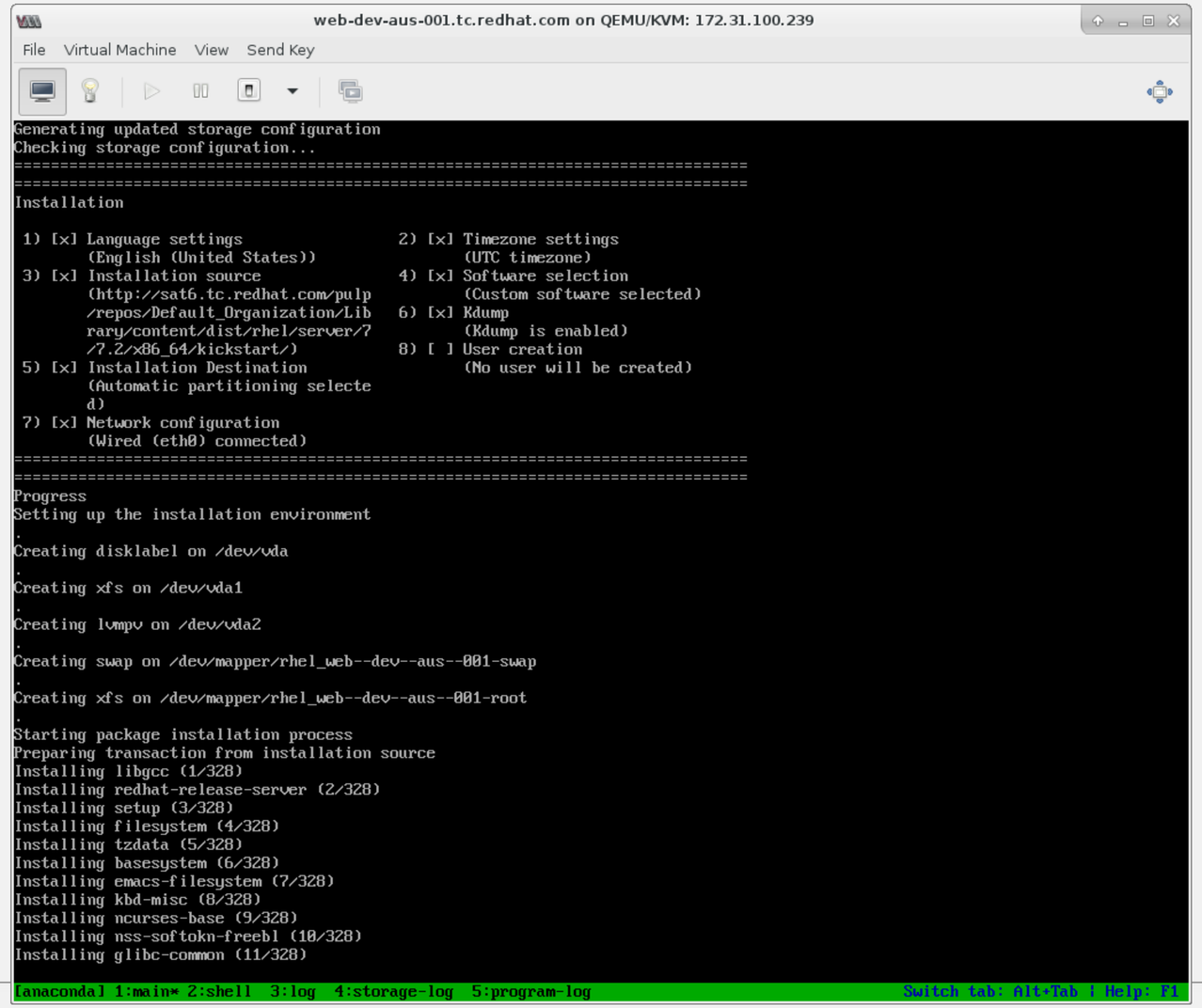
# You can see it start in virt-manager



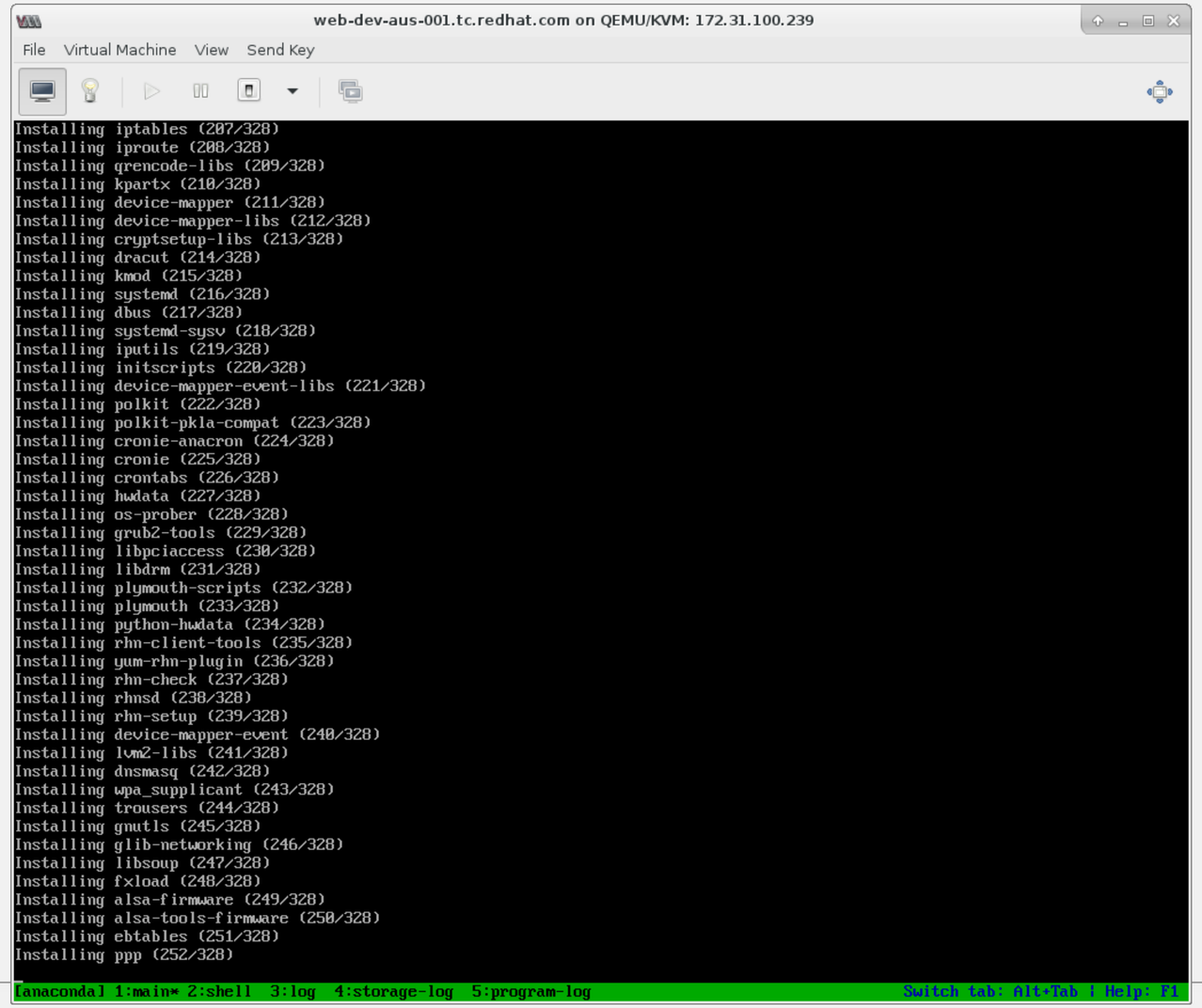
# And watch it build



# And watch it build



# And watch it build



# And watch it build

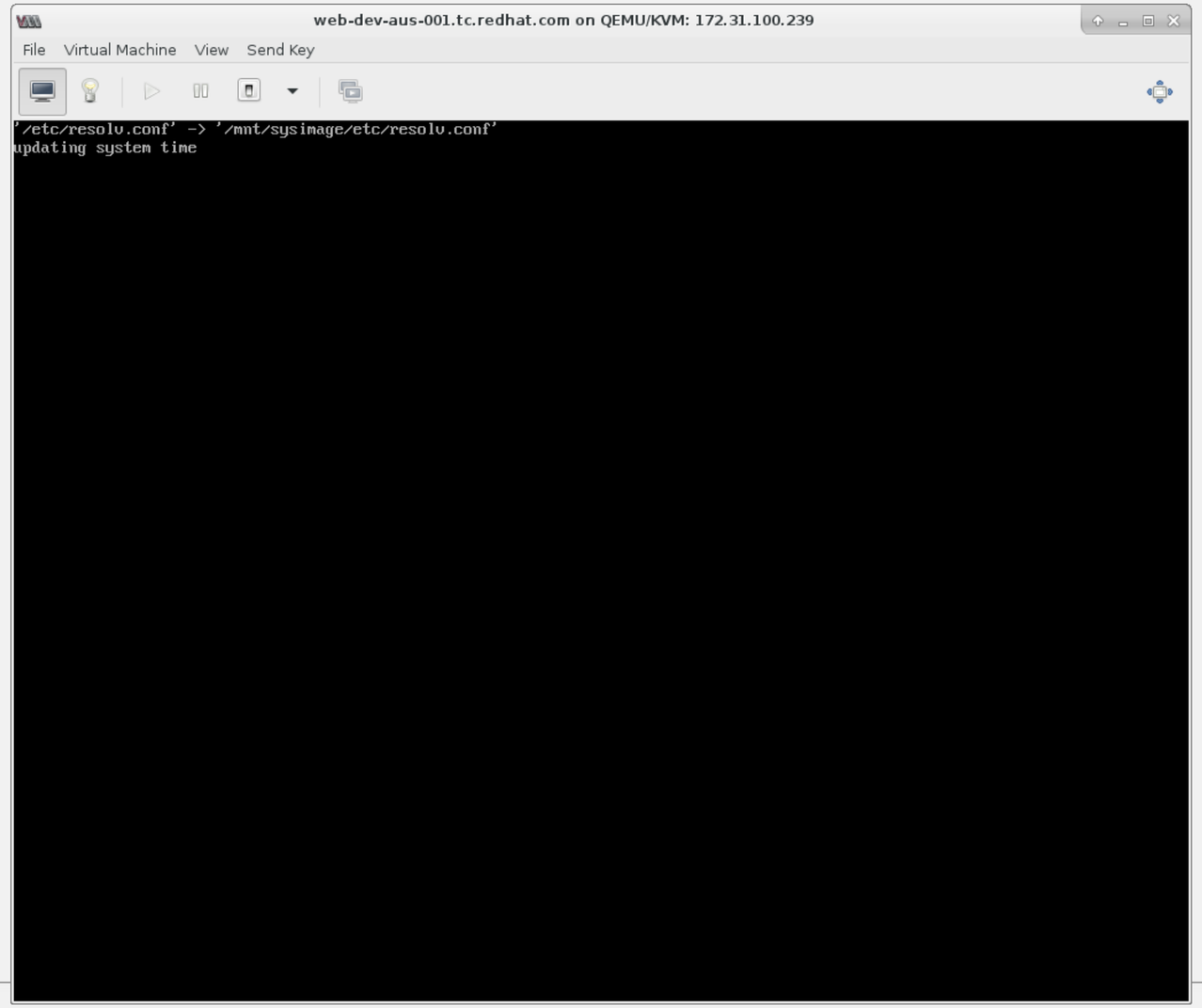
web-dev-aus-001.tc.redhat.com on QEMU/KVM: 172.31.100.239

File Virtual Machine View Send Key

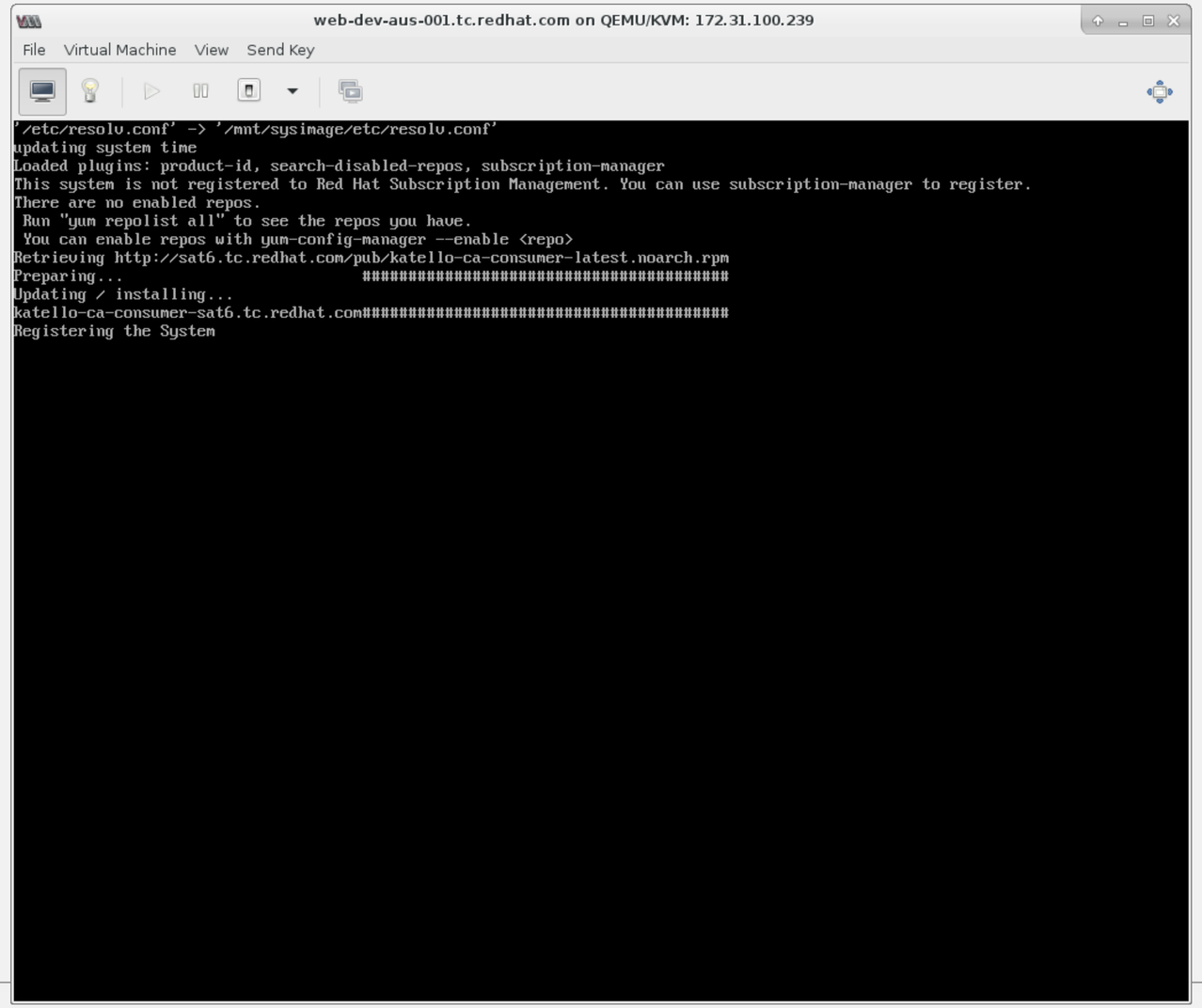
```
Installing selinux-policy-targeted (298/328)
Installing openssh-clients (299/328)
Installing authconfig (300/328)
Installing sudo (301/328)
Installing Red_Hat_Enterprise_Linux-Release_Notes-7-en-US (302/328)
Installing xfsprogs (303/328)
Installing btrfs-progs (304/328)
Installing e2fsprogs (305/328)
Installing wget (306/328)
Installing tar (307/328)
Installing libsysfs (308/328)
Installing iwl6000g2a-firmware (309/328)
Installing rootfiles (310/328)
Installing iwl3945-firmware (311/328)
Installing iwl6050-firmware (312/328)
Installing iwl3160-firmware (313/328)
Installing NetworkManager-config-server (314/328)
Installing iwl5000-firmware (315/328)
Installing iwl4965-firmware (316/328)
Installing iwl6000-firmware (317/328)
Installing iwl7265-firmware (318/328)
Installing iwl6000g2b-firmware (319/328)
Installing ivtv-firmware (320/328)
Installing iwl105-firmware (321/328)
Installing iwl2030-firmware (322/328)
Installing iwl135-firmware (323/328)
Installing iwl2000-firmware (324/328)
Installing iwl1000-firmware (325/328)
Installing iwl7260-firmware (326/328)
Installing iwl5150-firmware (327/328)
Installing iwl100-firmware (328/328)
Performing post-installation setup tasks
Installing boot loader
.
Performing post-installation setup tasks
.

Configuring installed system
.
Writing network configuration
.
Creating users
.
Configuring addons
.
Generating initramfs
[anaconda] 1:main* 2:shell  3:log  4:storage-log  5:program-log                Switch tab: Alt+Tab | Help: F1
```

# And watch it build



# And watch it build



# And watch it build

web-dev-aus-001.tc.redhat.com on QEMU/KVM: 172.31.100.239

File Virtual Machine View Send Key

```
 gofer  noarch 2.6.8-1.el7sat      rhel-7-server-satellite-tools-6.1-rpms  79 k
 pulp-rpm-handlers
        noarch 2.6.0.20-1.el7sat   rhel-7-server-satellite-tools-6.1-rpms  73 k
 python-gofer
        noarch 2.6.8-1.el7sat      rhel-7-server-satellite-tools-6.1-rpms 127 k
 python-gofer-proton
        noarch 2.6.8-1.el7sat      rhel-7-server-satellite-tools-6.1-rpms  54 k
 python-isodate
        noarch 0.5.0-4.pulp.el7sat rhel-7-server-satellite-tools-6.1-rpms  51 k
 python-pulp-agent-lib
        noarch 2.6.0.20-1.el7sat   rhel-7-server-satellite-tools-6.1-rpms  92 k
 python-pulp-common
        noarch 2.6.0.20-1.el7sat   rhel-7-server-satellite-tools-6.1-rpms 122 k
 python-pulp-rpm-common
        noarch 2.6.0.20-1.el7sat   rhel-7-server-satellite-tools-6.1-rpms  65 k
 python-qpid-proton
        x86_64 0.9-12.el7sat       rhel-7-server-satellite-tools-6.1-rpms 199 k
 qpid-proton-c
        x86_64 0.9-12.el7sat       rhel-7-server-satellite-tools-6.1-rpms 134 k

Transaction Summary
================================================================================
Install  1 Package (+10 Dependent packages)

Total download size: 1.0 M
Installed size: 3.1 M
Downloading packages:
warning: /var/cache/yum/x86_64/7Server/rhel-7-server-satellite-tools-6.1-rpms/packages/katello-agent-2.2.6-1.el7sat.noarch.rpm:
Header V3 RSA/SHA256 Signature, key ID fd431d51: NOKEY
Public key for katello-agent-2.2.6-1.el7sat.noarch.rpm is not installed
--------------------------------------------------------------------------------
Total                                               2.6 MB/s | 1.0 MB  00:00
Retrieving key from file:///etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-release
Importing GPG key 0xFD431D51:
 Userid     : "Red Hat, Inc. (release key 2) <security@redhat.com>"
 Fingerprint: 567e 347a d004 4ade 55ba 8a5f 199e 2f91 fd43 1d51
 Package    : redhat-release-server-7.2-9.el7.x86_64 (@anaconda/7.2)
 From       : /etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-release
Importing GPG key 0x2FA658E0:
 Userid     : "Red Hat, Inc. (auxiliary key) <security@redhat.com>"
 Fingerprint: 43a6 e49c 4a38 f4be 9abf 2a53 4568 9c88 2fa6 58e0
 Package    : redhat-release-server-7.2-9.el7.x86_64 (@anaconda/7.2)
 From       : /etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-release
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
```



redhat.

# And watch it build

web-dev-aus-001.tc.redhat.com on QEMU/KVM: 172.31.100.239

File Virtual Machine View Send Key

```
Verifying  : tzdata-2016e-1.el7.noarch                          25/161
Verifying  : cronie-anacron-1.4.11-14.el7_2.1.x86_64            26/161
Verifying  : openldap-2.4.40-9.el7_2.x86_64                     27/161
Verifying  : systemd-libs-219-19.el7_2.11.x86_64                28/161
Verifying  : avahi-libs-0.6.31-15.el7_2.1.x86_64                29/161
Verifying  : python-perf-3.10.0-327.22.2.el7.x86_64             30/161
Verifying  : tuned-2.5.1-4.el7_2.3.noarch                       31/161
Verifying  : libgudev1-219-19.el7_2.11.x86_64                   32/161
Verifying  : 7:device-mapper-event-libs-1.02.107-5.el7_2.4.x86_64  33/161
Verifying  : krb5-libs-1.13.2-12.el7_2.x86_64                   34/161
Verifying  : 1:mariadb-libs-5.5.47-1.el7_2.x86_64               35/161
Verifying  : kernel-tools-libs-3.10.0-327.22.2.el7.x86_64       36/161
Verifying  : ntpdate-4.2.6p5-22.el7_2.2.x86_64                  37/161
Verifying  : glibc-common-2.17-106.el7_2.6.x86_64               38/161
Verifying  : kernel-tools-3.10.0-327.22.2.el7.x86_64            40/161
Verifying  : systemd-219-19.el7_2.11.x86_64                     41/161
Verifying  : cyrus-sasl-lib-2.1.26-20.el7_2.x86_64              42/161
Verifying  : nss-tools-3.21.0-9.el7_2.x86_64                    43/161
Verifying  : ntp-4.2.6p5-22.el7_2.2.x86_64                      44/161
Verifying  : libxml2-2.9.1-6.el7_2.3.x86_64                     45/161
Verifying  : selinux-policy-3.13.1-60.el7_2.7.noarch            46/161
Verifying  : chkconfig-1.3.61-5.el7_2.1.x86_64                  47/161
Verifying  : procps-ng-3.3.10-5.el7_2.x86_64                    48/161
Verifying  : avahi-autoipd-0.6.31-15.el7_2.1.x86_64             49/161
Verifying  : systemd-sysv-219-19.el7_2.11.x86_64                50/161
Verifying  : 1:NetworkManager-tui-1.0.6-30.el7_2.x86_64         51/161
Verifying  : dracut-033-360.el7_2.1.x86_64                      53/161
Verifying  : polkit-0.112-7.el7_2.x86_64                        54/161
Verifying  : 1:NetworkManager-team-1.0.6-30.el7_2.x86_64        55/161
Verifying  : logrotate-3.8.6-7.el7_2.x86_64                     56/161
Verifying  : kernel-3.10.0-327.2.6.x86_64                       58/161
Verifying  : glibc-2.17-106.el2.x86_64                          59/161
Verifying  : teamd-1.17-6.el7_2.targeted-3.13.1-60.el7_2.7.noarch  60/161
Verifying  : selinux-policy-ta.el7_2.x86_64                     61/161
Verifying  : openssh-server-6.6.1p1-25.el7_2.x86_64             62/161
Verifying  : dracut-network-033-360.el7_2.1.x86_64              63/161
Verifying  : nss-3.21.0-9.el7_2.x86_64                          64/161
Verifying  : nss-softokn-3.16.2.3-14.2.el7_2.x86_64             65/161
Verifying  : nss-softokn-freebl-3.16.2.3-14.2.el7_2.x86_64      66/161
Verifying  : 7:device-mapper-event-1.02.107-5.el7_2.4.x86_64    67/161
Verifying  : 1:NetworkManager-1.0.6-30.el7_2.x86_64             68/161
Verifying  : 7:device-mapper-libs-1.02.107-5.el7_2.4.x86_64     69/161
Verifying  : nss-sysinit-3.21.0-9.el7_2.x86_64                  70/161
Verifying  : python-pyudev-0.15-7.el7_2.1.noarch                71/161
Verifying  : kpartx-0.4.9-85.el7_2.5.x86_64                     72/161
Verifying  : openssh-6.6.1p1-25.el7_2.x86_64                    73/161
Verifying  : 1:NetworkManager-libnm-1.0.6-30.el7_2.x86_64       74/161
Verifying  : libteam-1.17-6.el7_2.x86_64                        75/161
```



redhat.

# And watch it build

web-dev-aus-001.tc.redhat.com on QEMU/KVM: 172.31.100.239

File Virtual Machine View Send Key

```
  Verifying  : pciutils-3.2.1-4.el7.x86_64                          4/20
  Verifying  : rubygems-2.0.14-25.el7_1.noarch                      5/20
  Verifying  : 1:facter-1.7.6-2.1.el7sat.x86_64                     6/20
  Verifying  : hiera-1.3.1-2.el7.noarch                             7/20
  Verifying  : rubygem-bigdecimal-1.2.0-25.el7_1.x86_64             8/20
  Verifying  : net-tools-2.0-0.17.20131004git.el7.x86_64            9/20
  Verifying  : rubygem-io-console-0.4.2-25.el7_1.x86_64            10/20
  Verifying  : rubygem-json-1.7.7-25.el7_1.x86_64                  11/20
  Verifying  : ruby-libs-2.0.0.598-25.el7_1.x86_64                 12/20
  Verifying  : libyaml-0.1.4-11.el7_0.x86_64                       13/20
  Verifying  : ruby-2.0.0.598-25.el7_1.x86_64                      14/20
  Verifying  : ruby-irb-2.0.0.598-25.el7_1.noarch                  15/20
  Verifying  : ruby-rgen-0.6.5-2.el7sat.noarch                     16/20
  Verifying  : rubygem-rdoc-4.0.0-25.el7_1.noarch                  17/20
  Verifying  : rubygem-psych-2.0.0-25.el7_1.x86_64                 18/20
  Verifying  : augeas-libs-1.4.0-2.el7.x86_64                      19/20
  Verifying  : ruby-shadow-1.4.1-21.el7.x86_64                     20/20

Installed:
  puppet.noarch 0:3.6.2-4.el7sat

Dependency Installed:
  augeas-libs.x86_64 0:1.4.0-2.el7
  facter.x86_64 1:1.7.6-2.1.el7sat
  hiera.noarch 0:1.3.1-2.el7
  libselinux-ruby.x86_64 0:2.2.2-6.el7
  libyaml.x86_64 0:0.1.4-11.el7_0
  net-tools.x86_64 0:2.0-0.17.20131004git.el7
  pciutils.x86_64 0:3.2.1-4.el7
  ruby.x86_64 0:2.0.0.598-25.el7_1
  ruby-augeas.x86_64 0:0.5.0-1.el7
  ruby-irb.noarch 0:2.0.0.598-25.el7_1
  ruby-libs.x86_64 0:2.0.0.598-25.el7_1
  ruby-rgen.noarch 0:0.6.5-2.el7sat
  ruby-shadow.x86_64 0:1.4.1-21.el7
  rubygem-bigdecimal.x86_64 0:1.2.0-25.el7_1
  rubygem-io-console.x86_64 0:0.4.2-25.el7_1
  rubygem-json.x86_64 0:1.7.7-25.el7_1
  rubygem-psych.x86_64 0:2.0.0-25.el7_1
  rubygem-rdoc.noarch 0:4.0.0-25.el7_1
  rubygems.noarch 0:2.0.14-25.el7_1

Complete!
Configuring puppet
/sbin/restorecon
Note: Forwarding request to 'systemctl enable puppet.service'.
Created symlink from /etc/systemd/system/multi-user.target.wants/puppet.service to /usr/lib/systemd/system/puppet.service.
```



redhat.

# And watch it build

web-dev-aus-001.tc.redhat.com on QEMU/KVM: 172.31.100.239

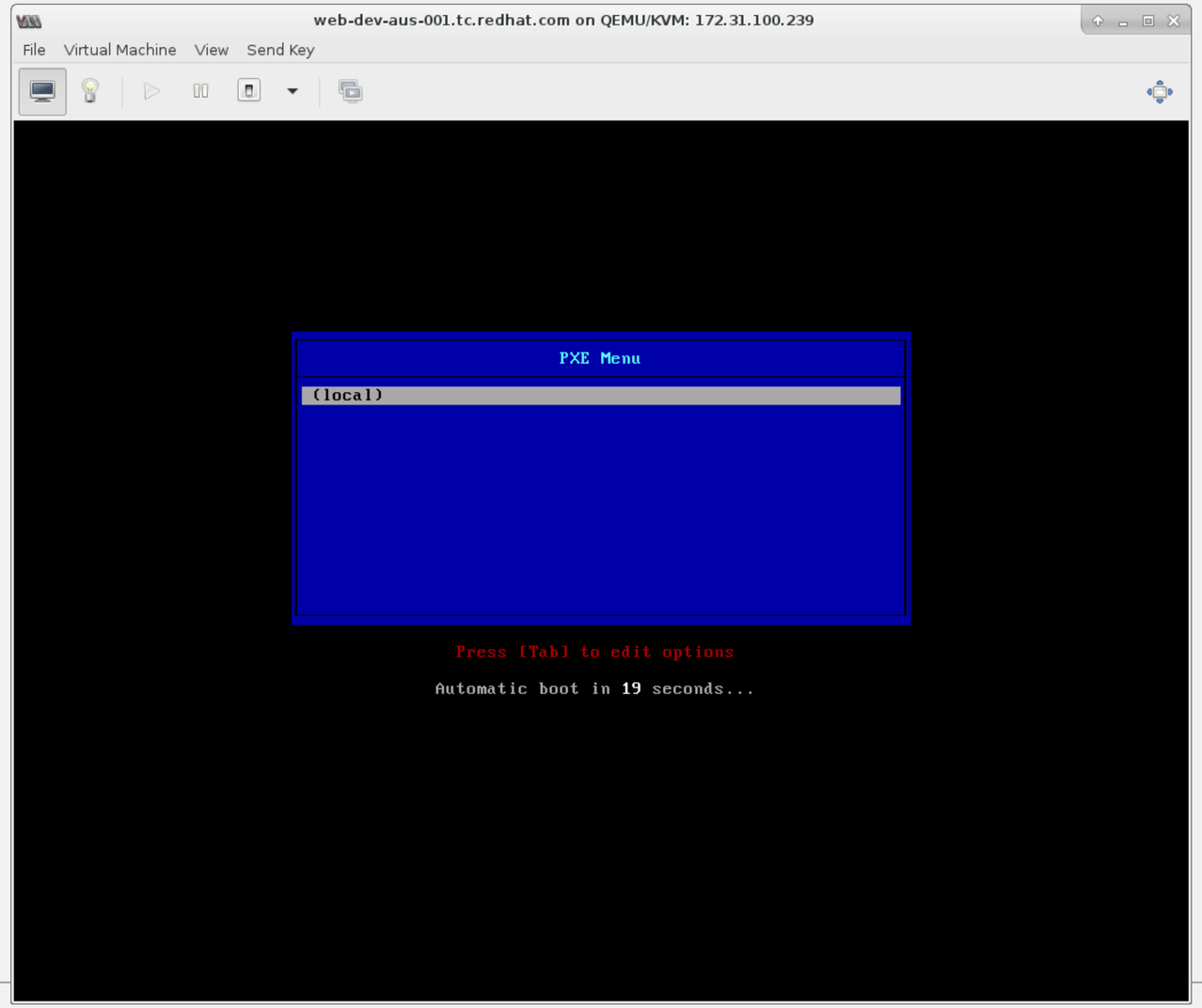
File Virtual Machine View Send Key

```
d709a532e496005c'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/puppet/parser/functions/validate_numeric.rb]/ensure) defined content as '{md5}60
b0c6d5b8b170ea77498a8580bd3158'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/facter]/ensure) created
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/facter/service_provider.rb]/ensure) defined content as '{md5}66cc42526eae631e306
b397391f1f01c'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/facter/util]/ensure) created
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/facter/util/puppet_settings.rb]/ensure) defined content as '{md5}9f1d2593d0ae56b
fca89d4b9266aeee1'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/facter/facter_dot_d.rb]/ensure) defined content as '{md5}d71e93183a680ac78bc0389
fd50470a0'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/facter/root_home.rb]/ensure) defined content as '{md5}35702ae0c7410ec4d2101113e2
f697fa'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/facter/package_provider.rb]/ensure) defined content as '{md5}539766a71dfb2f65e94
a7c91bf413fcf'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/facter/puppet_vardir.rb]/ensure) defined content as '{md5}c7ddc97e8a84ded3dd93ba
7f7d369bb5f809044b6341954a2'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/puppet/parser/functions/reject.rb]/ensure) defined content as '{md5}689f6a7c961a
55fe9dcd240921f4c7f9'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/puppet/parser/functions/range.rb]/ensure) defined content as '{md5}76f693d1dd50f
fee409e58ff6d9a58bb'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/puppet/parser/functions/validate_slength.rb]/ensure) defined content as '{md5}5f
0db124caae4866f474a60c589ba632'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/facter/pe_version.rb]/ensure) defined content as '{md5}60d47406026c8201e51394227
ddf780d'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/puppet/parser/functions/pick_default.rb]/ensure) defined content as '{md5}ad3ea6
0262de408767786d37a54d45dc'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/puppet/functions/is_a.rb]/ensure) defined content as '{md5}9dad7f8c9b75348cd97ac
a986ac0b29a'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/puppet/parser/functions/join.rb]/ensure) defined content as '{md5}a285a05c015ae2
78608f6454aef211ea'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/puppet/parser/functions/strip.rb]/ensure) defined content as '{md5}85d70ab95492e
3e4ca5f0b5ec3f284a9'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/puppet/parser/functions/upcase.rb]/ensure) defined content as '{md5}8decededec9e
b33e58f961eb86f0888f'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/puppet/type/file_line.rb]/ensure) defined content as '{md5}21214f23b82b909dba6d7
a57dd6464b6'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/puppet/parser/functions/time.rb]/ensure) defined content as '{md5}8cb0b8320c60b4
a21725634154a9f1db'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/puppet/parser/functions/is_bool.rb]/ensure) defined content as '{md5}e693b7c4b53
66cff1380b6e0c7dd7b11'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/puppet/parser/functions/validate_string.rb]/ensure) defined content as '{md5}cf6
a20877a27b1073d63fdd522af50bb'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/puppet/parser/functions/reverse.rb]/ensure) defined content as '{md5}b234b54b8cd
62b2d67ccd70489ffdccf'
NOTICE puppet-agent: (/File[/var/lib/puppet/lib/puppet/parser/functions/type.rb]/ensure) defined content as '{md5}4709f7ab8a8aad
62d77a3c5d91a3aa08'
```

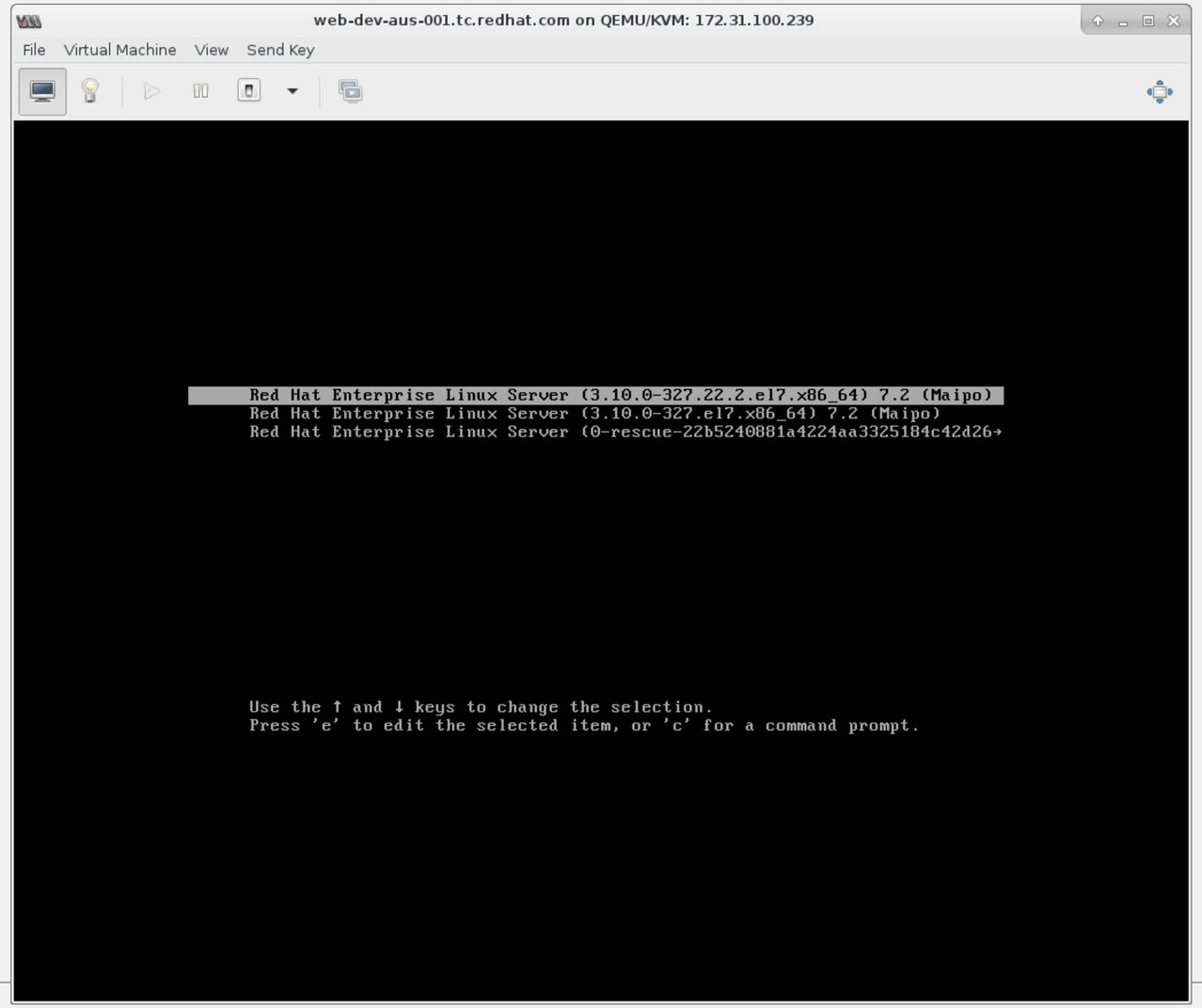


redhat.

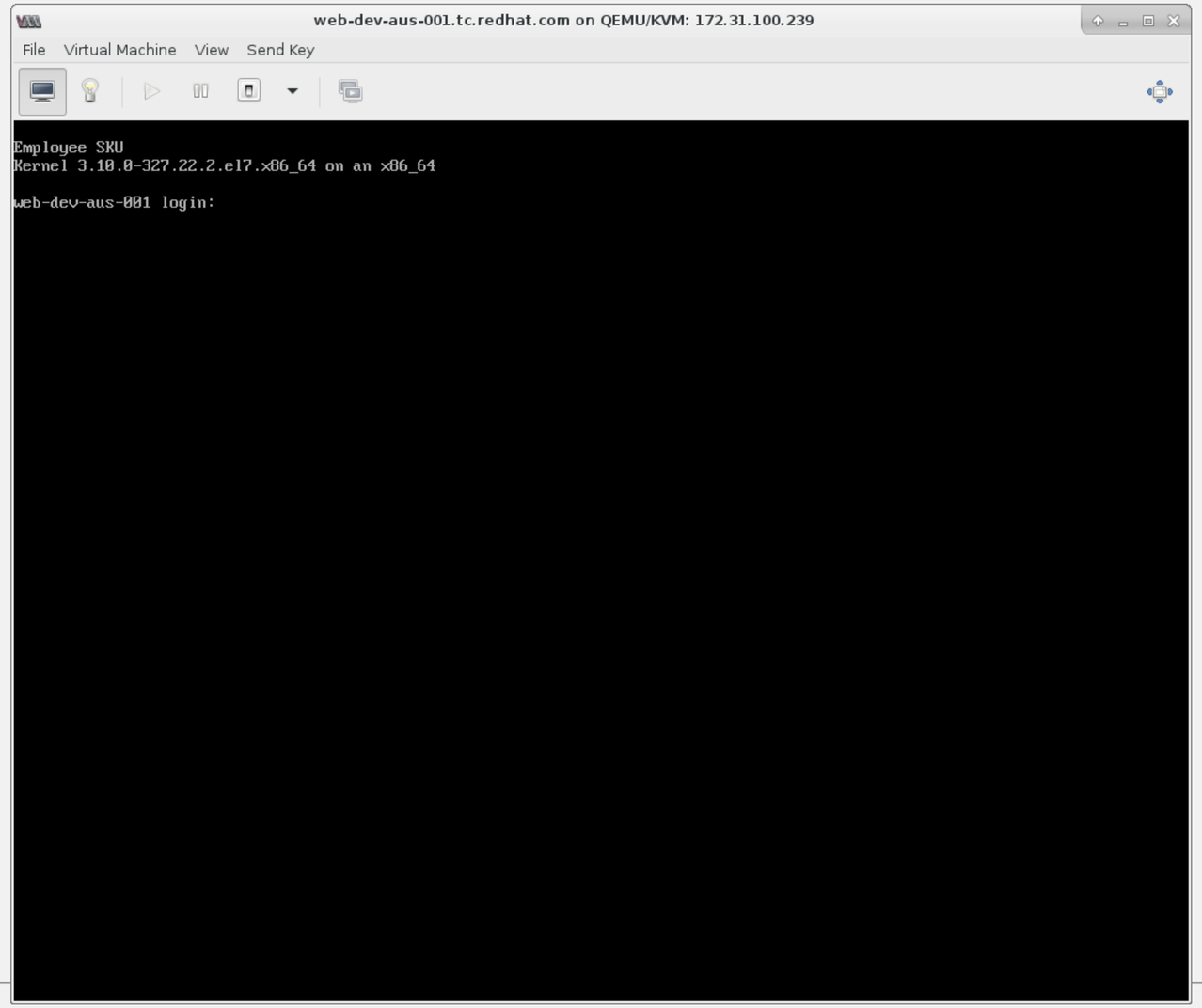
# It reboots


web-dev-aus-001.tc.redhat.com on QEMU/KVM: 172.31.100.239
File
Virtual Machine
View
Send Key
PXE Menu
(local)
Press [Tab] to edit options
Automatic boot in 19 seconds...

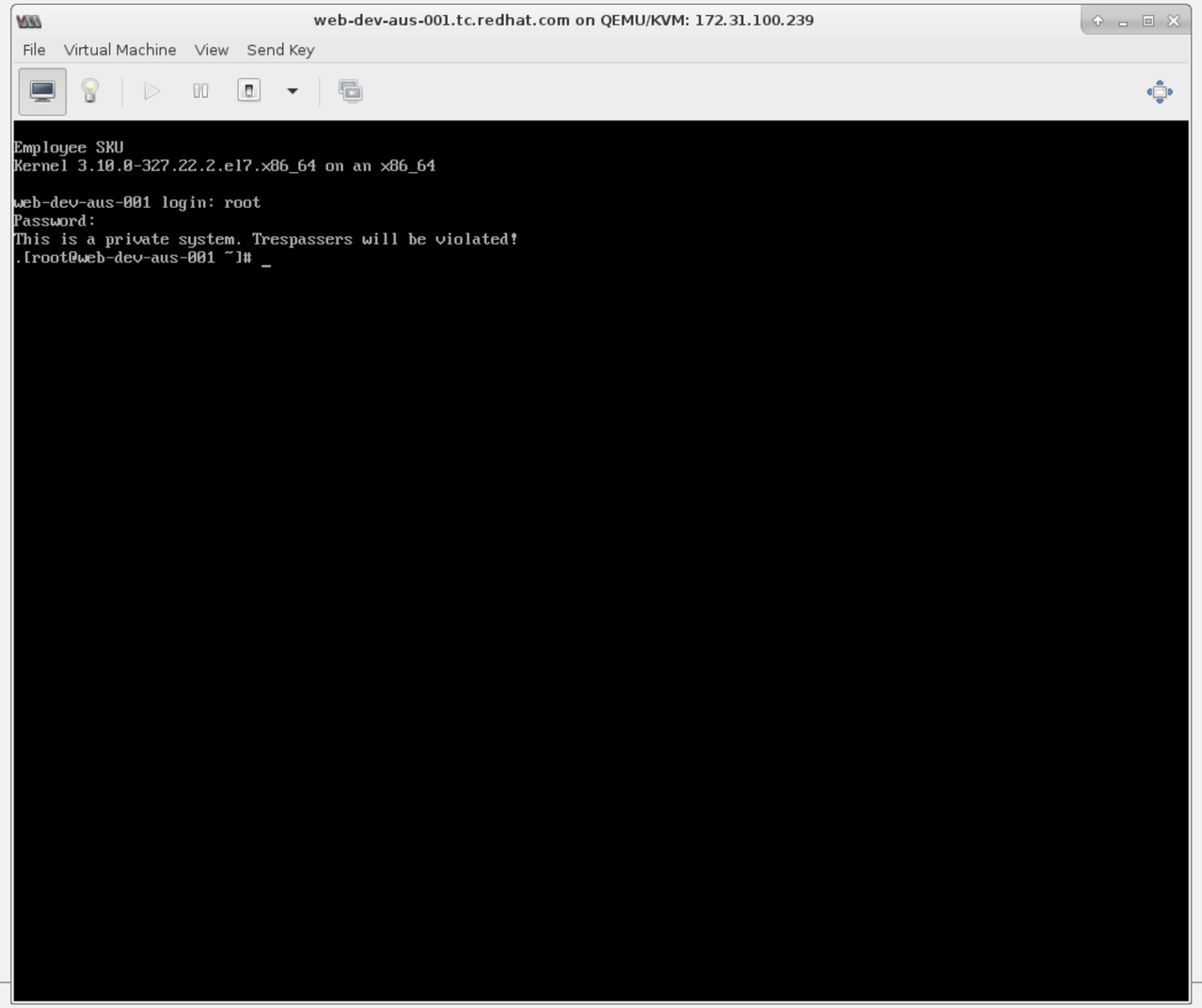
# It reboots


web-dev-aus-001.tc.redhat.com on QEMU/KVM: 172.31.100.239
File
Virtual Machine
View
Send Key
Red Hat Enterprise Linux Server (3.10.0-327.22.2.el7.x86_64) 7.2 (Maipo)
Red Hat Enterprise Linux Server (3.10.0-327.el7.x86_64) 7.2 (Maipo)
Red Hat Enterprise Linux Server (0-rescue-22b5240881a4224aa3325184c42d26→
Use the ↑ and ↓ keys to change the selection.
Press 'e' to edit the selected item, or 'c' for a command prompt.

# It reboots


web-dev-aus-001.tc.redhat.com on QEMU/KVM: 172.31.100.239
File
Virtual Machine
View
Send Key
Employee SKU
Kernel 3.10.0-327.22.2.el7.x86_64 on an x86_64
web-dev-aus-001 login:

# Our motd is there



# The repos we defined in the host group are there

web-dev-aus-001.tc.redhat.com on QEMU/KVM: 172.31.100.239

File Virtual Machine View Send Key

```
[root@web-dev-aus-001 ~]# yum repolist
Loaded plugins: package_upload, product-id, search-disabled-repos, subscription-manager
repo id                                                          repo name                                        status
!Default_Organization_Extra_Packackages_for_Enterprise_Linux_EPEL_Repo EPEL Repo                                       1
!rhel-7-server-optional-rpms/x86_64                              Red Hat Enterprise Linux 7 Server - Optional (RPMs      6
!rhel-7-server-rpms/x86_64                                       Red Hat Enterprise Linux 7 Server (RPMs)           11,040
!rhel-7-server-satellite-tools-6.1-rpms/x86_64                   Red Hat Satellite Tools 6.1 (for RHEL 7 Server) (R     83
repolist: 11,130
[root@web-dev-aus-001 ~]# _
```



redhat.

# The EMACS filter exclude works

web-dev-aus-001.tc.redhat.com on QEMU/KVM: 172.31.100.239

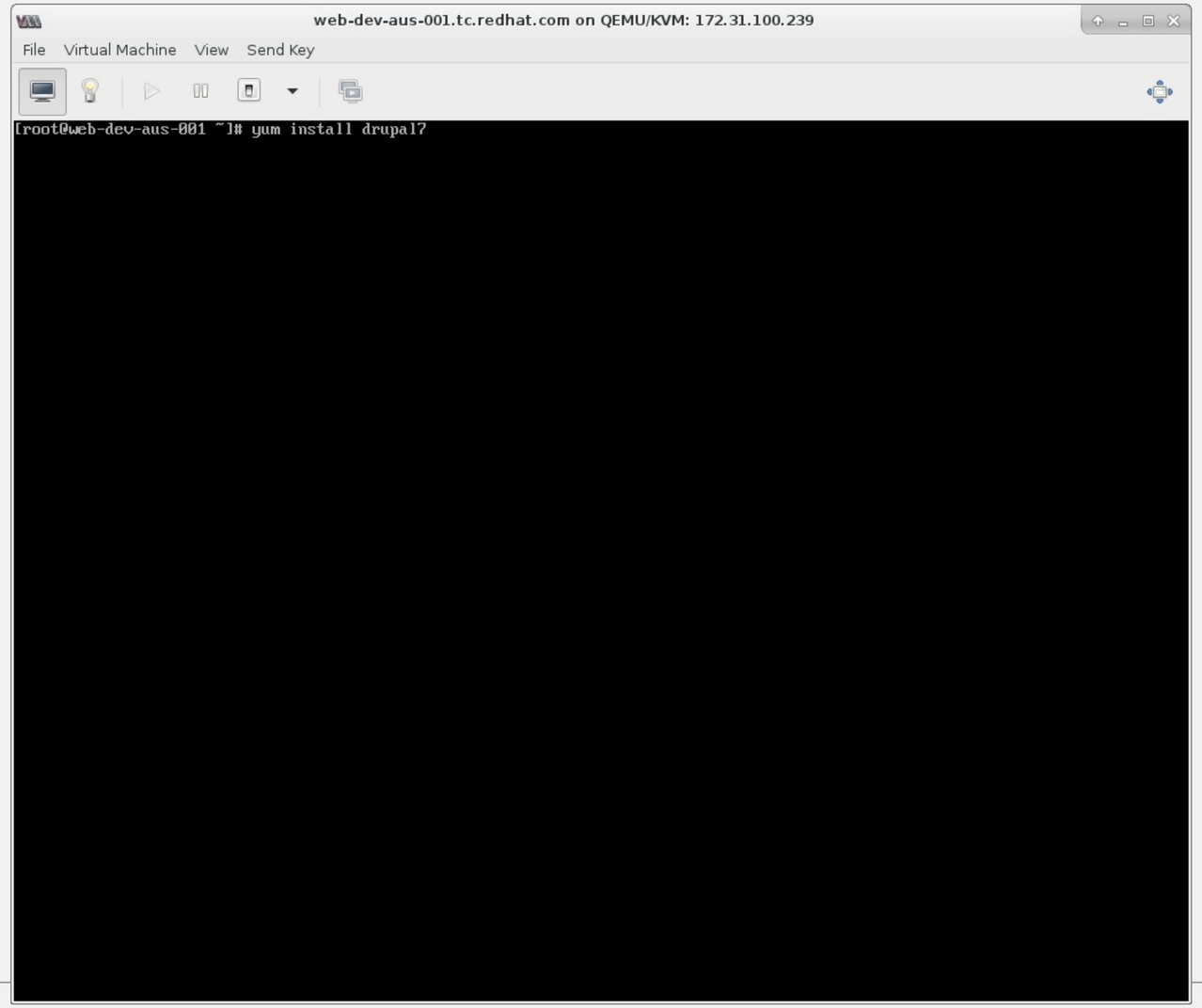
File Virtual Machine View Send Key

```
[root@web-dev-aus-001 ~]# yum install emacs
Loaded plugins: package_upload, product-id, search-disabled-repos, subscription-manager
Default_Organization_Extra_Packackages_for_Enterprise_Linux_EPEL_Repo                    | 2.1 kB  00:00:00
rhel-7-server-optional-rpms                                                               | 1.8 kB  00:00:00
rhel-7-server-rpms                                                                        | 2.1 kB  00:00:00
rhel-7-server-satellite-tools-6.1-rpms                                                    | 2.1 kB  00:00:00
No package emacs available.
Error: Nothing to do
[root@web-dev-aus-001 ~]# _
```



redhat.

# We can install drupal7 and its dependencies from EPEL and Optional



# We can install drupal7 and its dependencies from EPEL and Optional

web-dev-aus-001.tc.redhat.com on QEMU/KVM: 172.31.100.239

File Virtual Machine View Send Key

```
---> Package apr-util.x86_64 0:1.5.2-6.el7 will be installed
---> Package httpd-tools.x86_64 0:2.4.6-40.el7_2.1 will be installed
---> Package libX11-common.noarch 0:1.6.3-2.el7 will be installed
---> Package libxcb.x86_64 0:1.11-4.el7 will be installed
--> Processing Dependency: libXau.so.6()(64bit) for package: libxcb-1.11-4.el7.x86_64
---> Package libzip.x86_64 0:0.10.1-8.el7 will be installed
---> Package mailcap.noarch 0:2.1.41-2.el7 will be installed
--> Running transaction check
---> Package libXau.x86_64 0:1.0.8-2.1.el7 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================================================================
 Package         Arch     Version                 Repository                                                              Size
================================================================================================================================
Installing:
 drupal7         noarch   7.43-1.el7              Default_Organization_Extra_Packackages_for_Enterprise_Linux_EPEL_Repo   2.9 M
Installing for dependencies:
 apr             x86_64   1.4.8-3.el7             rhel-7-server-rpms                                                     103 k
 apr-util        x86_64   1.5.2-6.el7             rhel-7-server-rpms                                                      92 k
 httpd           x86_64   2.4.6-40.el7_2.1        rhel-7-server-rpms                                                     1.2 M
 httpd-tools     x86_64   2.4.6-40.el7_2.1        rhel-7-server-rpms                                                      82 k
 libX11          x86_64   1.6.3-2.el7             rhel-7-server-rpms                                                     606 k
 libX11-common   noarch   1.6.3-2.el7             rhel-7-server-rpms                                                     162 k
 libXau          x86_64   1.0.8-2.1.el7           rhel-7-server-rpms                                                      29 k
 libXpm          x86_64   3.5.11-3.el7            rhel-7-server-rpms                                                      54 k
 libjpeg-turbo   x86_64   1.2.90-5.el7            rhel-7-server-rpms                                                     134 k
 libpng          x86_64   2:1.5.13-7.el7_2        rhel-7-server-rpms                                                     213 k
 libxcb          x86_64   1.11-4.el7              rhel-7-server-rpms                                                     189 k
 libzip          x86_64   0.10.1-8.el7            rhel-7-server-rpms                                                      49 k
 mailcap         noarch   2.1.41-2.el7            rhel-7-server-rpms                                                      31 k
 php             x86_64   5.4.16-36.1.el7_2.1     rhel-7-server-rpms                                                     1.4 M
 php-cli         x86_64   5.4.16-36.1.el7_2.1     rhel-7-server-rpms                                                     2.7 M
 php-common      x86_64   5.4.16-36.1.el7_2.1     rhel-7-server-rpms                                                     563 k
 php-gd          x86_64   5.4.16-36.1.el7_2.1     rhel-7-server-rpms                                                     126 k
 php-mbstring    x86_64   5.4.16-36.1.el7_2.1     rhel-7-server-optional-rpms                                            503 k
 php-pdo         x86_64   5.4.16-36.1.el7_2.1     rhel-7-server-rpms                                                      97 k
 php-xml         x86_64   5.4.16-36.1.el7_2.1     rhel-7-server-rpms                                                     124 k
 t1lib           x86_64   5.1.2-14.el7            rhel-7-server-rpms                                                     166 k

Transaction Summary
================================================================================================================================
Install  1 Package (+21 Dependent packages)

Total download size: 11 M
Installed size: 40 M
Is this ok [y/d/N]:
```



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# … but tripwire, also from EPEL, is not available

web-dev-aus-001.tc.redhat.com on QEMU/KVM: 172.31.100.239

File Virtual Machine View Send Key

```
[root@web-dev-aus-001 ~]# yum install tripwire
Loaded plugins: package_upload, product-id, search-disabled-repos, subscription-manager
Default_Organization_Extra_Packackages_for_Enterprise_Linux_EPEL_Repo                    | 2.1 kB  00:00:00
rhel-7-server-optional-rpms                                                               | 1.8 kB  00:00:00
rhel-7-server-rpms                                                                        | 2.1 kB  00:00:00
rhel-7-server-satellite-tools-6.1-rpms                                                    | 2.1 kB  00:00:00
No package tripwire available.
Error: Nothing to do
[root@web-dev-aus-001 ~]# _
```



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# PLEASE RATE THIS SESSION ON THE SUMMIT APP!

# THANK YOU!

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# TEMPLATE SLIDES

# SECTION HEADLINE

# SECTION HEADLINE



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