Standard Operating Procedure

*Registering Hosts to MI Satellite*

## PURPOSE

The purpose of this standard operating procedure (SOP) is to provide a detailed step-by-step procedure to register hosts to MI Satellite.

## PROCEDURE

1. Confirm that kernel locks have been removed from any image by checking /etc/yum.conf and remove or comment out ‘exclude=kernel\*’ from the file
2. Register to the Marriott Satellite 6 environment
3. Remove old Red Hat CA certificates:

yum remove 'katello-ca-consumer\*' -y

An example output would be:

Loaded plugins: enabled\_repos\_upload, package\_upload, product-id, search-disabled-repos, subscription-manager

Resolving Dependencies

--> Running transaction check

---> Package katello-ca-consumer-rhsatprdcapimvxrt1.cloud.marriott.com.noarch 0:1.0-3 will be erased

--> Finished Dependency Resolution

Dependencies Resolved

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Package Arch Version Repository Size

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Removing:

katello-ca-consumer-rhsatprdcapimvxrt1.cloud.marriott.com noarch 1.0-3 installed 12 k

Transaction Summary

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Remove 1 Package

Installed size: 12 k

Downloading packages:

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Warning: RPMDB altered outside of yum.

Erasing : katello-ca-consumer-rhsatprdcapimvxrt1.cloud.marriott.com-1.0-3.noarch 1/1

Uploading Package Profile

2019-01-17 22:28:04,062 [WARNING] yum:90099:MainThread @logutil.py:141 - logging already initialized

rhel-7-fast-datapath-rpms/7Server/x86\_64 | 2.3 kB 00:00:00

rhel-7-fast-datapath-rpms/7Server/x86\_64/productid | 2.1 kB 00:00:00

rhel-7-server-extras-rpms/x86\_64 | 2.0 kB 00:00:00

rhel-7-server-extras-rpms/x86\_64/productid | 2.1 kB 00:00:00

rhel-7-server-ose-3.3-rpms/x86\_64 | 2.3 kB 00:00:00

rhel-7-server-ose-3.3-rpms/x86\_64/productid | 2.1 kB 00:00:00

rhel-7-server-rpms/7Server/x86\_64 | 2.0 kB 00:00:00

rhel-7-server-rpms/7Server/x86\_64/productid | 2.1 kB 00:00:00

rhel-7-server-satellite-tools-6.2-rpms/x86\_64 | 2.1 kB 00:00:00

Verifying : katello-ca-consumer-rhsatprdcapimvxrt1.cloud.marriott.com-1.0-3.noarch 1/1

Removed:

katello-ca-consumer-rhsatprdcapimvxrt1.cloud.marriott.com.noarch 0:1.0-3

Complete!

Uploading Enabled Repositories Report

Loaded plugins: product-id, subscription-manager

2019-01-17 22:28:06,412 [WARNING] yum:90099:Dummy-1 @logutil.py:141 - logging already initialized

1. Register to capsule (pick one):
2. AWS and legacy data center

rpm -ivh <http://rhsatprdcapaws1.aws-use1.cloud.marriott.com/pub/katello-ca-consumer-latest.noarch.rpm>

1. VxRack Dev\_Perf

rpm -ivh <http://rhsatprdcapimvxrt1.cloud.marriott.com/pub/katello-ca-consumer-latest.noarch.rpm>

1. VxRack Prod Sites
   1. Prod 8

rpm -ivh <http://rhsat-prd-cap-prd08-1.cloud.marriott.com/pub/katello-ca-consumer-latest.noarch.rpm>

* 1. Prod 9

rpm -ivh <http://rhsat-prd-cap-prd09-1.cloud.marriott.com/pub/katello-ca-consumer-latest.noarch.rpm>

* 1. Prod 10

rpm -ivh <http://rhsat-prd-cap-prd10-1.cloud.marriott.com/pub/katello-ca-consumer-latest.noarch.rpm>

1. Azure

rpm -ivh <http://rhsat-prd-cap-1.azu-wus2.cloud.marriott.com/pub/katello-ca-consumer-latest.noarch.rpm>

An example output would be:

Retrieving http://rhsatprdcapimvxrt1.cloud.marriott.com/pub/katello-ca-consumer-latest.noarch.rpm

Preparing... ################################# [100%]

Updating / installing...

1:katello-ca-consumer-rhsatprdcapim################################# [100%]

1. Activation Keys for OSE Content View and Lifecycle Environment (pick one):
2. Engineering Satellite

subscription-manager register --org="MARRIOTT\_INTERNATIONAL" --activationkey="OSE 3.3 Engineering"

1. Development Satellite

subscription-manager register --org="MARRIOTT\_INTERNATIONAL" --activationkey="OSE 3.3 Development"

1. Testing Satellite

subscription-manager register --org="MARRIOTT\_INTERNATIONAL" --activationkey="OSE 3.3 Testing"

1. Production Satellite

subscription-manager register --org="MARRIOTT\_INTERNATIONAL" --activationkey="OSE 3.3 Production"

If the output states This system is already registered. Use --force to override, add --force at the end of the above. i.e. subscription-manager register --org="MARRIOTT\_INTERNATIONAL" --activationkey="OSE 3.3 Development" --force

An example output would be:

Unregistering from: rhsatprdcapimvxrt1.cloud.marriott.com:8443/rhsm

2019-01-17 22:29:21,623 [ERROR] subscription-manager:99502:MainThread @identity.py:145 - Reload of consumer identity cert /etc/pki/consumer/cert.pem raised an exception with msg: [Errno 2] No such file or directory: '/etc/pki/consumer/key.pem'

The system with UUID 88854839-ecc9-46a0-ae34-21da29ec5748 has been unregistered

All local data removed

The system has been registered with ID: f1163c5f-ff16-4fb5-bc7c-55f050e50473

The registered system name is: node39-devtest-vxbyr.cloud.marriott.com

Installed Product Current Status:

Product Name: Red Hat Enterprise Linux Server

Status: Subscribed

~~Product Name: Red Hat Enterprise Linux Fast Datapath~~

~~Status: Subscribed~~

\*\*\*Fast Datapath should not be present in the 3.3 OpenShift Channel. This path includes OVS 2.9.0 which is not for 3.3 and has a bug\*\*\*

Product Name: Red Hat OpenShift Container Platform

Status: Subscribed

1. Clean RPM database and clean all:

rm -rf /var/lib/rpm/\_\_db\*

yum clean all

1. Check atomic services, upgrade, and restart services:

rpm -qa | grep atomic

sudo /sbin/atomic-openshift-excluder unexcluded

sudo yum upgrade atomic-openshift\\* -y

sudo systemctl restart atomic-openshift-node

sudo systemctl restart openvswitch

sudo /sbin/atomic-openshift-excluder exclude

sudo rpm -qa | grep atomic

1. For AWS nodes, remove rhui packages:

rpm -qa | grep rhui

The output would be the rhui package name, i.e. rh-amazon-rhui-client-2.2.133-1.el7.noarch

yum remove rh-amazon-rhui-client-2.2.133-1.el7.noarch

1. Install katello-agent:

yum install katello-agent puppet

1. Add entry for Satellite reporting to function:

echo 'server = rhsatprdcapaws1.aws-use1.cloud.marriott.com' >> /etc/puppet/puppet.conf

Change the server to match the appropriate capsule selected above for the certificate download

1. Test registration:

puppet agent -t

## VALIDATION

Follow the validation steps in “Procedure”. Here are some checks that can be performed:

1. Confirm that OpenvSwitch version is 2.4:

yum info openvswitch

* 1. If it is not 2.4, inform Marriott Engineering Team ASAP and escalate to Marriott L3

1. Check repos available for subscription:

sudo subscription-manager repos

* 1. Public Red Hat repos, this is not preferred

Repo ID: rhel-7-server-eus-satellite-tools-6.3-puppet4-source-rpms

Repo Name: Red Hat Satellite Tools 6.3 - Puppet 4 (for RHEL 7 Server - EUS) (Source RPMs)

Repo URL: [https://cdn.redhat.com/content/eus/rhel/server/7/$releasever/$basearch/sat-tools/6.3-puppet4/source/SRPMS](https://cdn.redhat.com/content/eus/rhel/server/7/$releasever/$basearch/sat-)

Enabled: 0

* 1. Marriott Satellite Capsule

Repo ID: rhel-server-rhscl-7-rpms

Repo Name: Red Hat Software Collections RPMs for Red Hat Enterprise Linux 7 Server

Repo URL: [https://rhsatprdcapaws1.aws-use1.cloud.marriott.com/pulp/repos/MARRIOTT\_INTERNATIONAL/Capsule/RHEL\_7\_Capsule/content/dist/rhel/server/7/7Server/$basearch/rhscl/1/os](https://rhsatprdcapaws1.aws-/)

Enabled: 0

1. If server was deleted from Satellite, expect:

[svc-acn-adm@infra01-prod-red ~]$ sudo subscription-manager list

Consumer profile "76b9e4a5-7533-43cd-8583-f53b39284261" has been deleted from the server.

Use clean or unregister command to remove local profile.

Normal output would be:

[svc-acn-adm@prod-1a1125fd ~]$ sudo subscription-manager list

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Installed Product Status

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Product Name: Red Hat Enterprise Linux Server

Product ID: 69

Version: 7.3

Arch: x86\_64

Status: Subscribed

Status Details:

Starts: 04/01/2018

Ends: 03/31/2019

1. Check available repositories:

cat /etc/yum.repos.d/redhat.repo

**Document Version Control**

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| 1.0 | 2/19/2019 | Yashi Kumar |  |  |  | Removed Data Fastpath, this should not be enabled for 3.3 OSE Channel in Satellite |
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