



# **Red Hat Subscription Management All Subscription Docs**

## **Subscription Asset Manager 1.4 Release Notes**

release information, installation prerequisites, and known issues for the 1.4 release  
Edition 2



# Red Hat Subscription Management All Subscription Docs Subscription Asset Manager 1.4 Release Notes

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Edition 2

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## Abstract

These release notes contain important information about new features, known issues, and other technical notes available at the time that Red Hat Subscription Asset Manager 1.4 was released.

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Red Hat Subscription Asset Manager is an on-premise subscription application which maintains a master list of subscriptions for an organization, an inventory of registered systems, and information about installed products, assigned (*attached*) subscriptions for each individual system. Subscription Asset Manager allows local maintenance, structures, and rules to be applied when managing subscriptions for systems.

These release notes contain any feature information, known issues, and structural changes for Subscription Asset Manager 1.4. This updated version of Subscription Asset Manager consists of enhancements and bug fixes. It is recommended that all Subscription Asset Manager users upgrade to Subscription Asset Manager 1.4.

## 1. NEW FEATURES

This release of Subscription Asset Manager contains the following new or improved features that affect overall Subscription Asset Manager performance and provide more versatile options for configuring and managing infrastructures through Subscription Asset Manager.

### 1.1. New: `flatten_orgs` option

A new **`flatten_orgs`** option has been added to the `/etc/splice/checkin.conf` configuration file. When set to **`True`**, all configured organizations managed by Subscription Asset Manager are combined or *flattened* into one single organization, which allows administrators to view subscriptions across all organizations in Subscription Asset Manager. This new option removes the need to manually attach all organizations to a single one; however, **`flatten_orgs`** does not allow administrators to view subscriptions by organizations once flattened.

### 1.2. Enhancement: Enhanced Reporting for multiple Satellite Instances

Subscription Asset Manager 1.4 has extended the enhanced reporting tool with the ability to collect and report information on multiple Satellite 5.6 instances. The enhanced reporting tool previously supported reporting for only one Satellite instance.

## 2. KNOWN ISSUES

These are the known issues relevant to Subscription Asset Manager 1.4. When possible, workarounds are provided.

### Installation on Red Hat Enterprise Linux 7 not supported

Subscription Asset Manager 1.4 does not support server installation on Red Hat Enterprise Linux 7. While Subscription Asset Manager 1.4 supports management of Red Hat Enterprise Linux *clients* from previous Red Hat Enterprise Linux releases up to and including Red Hat Enterprise Linux 7, Subscription Asset Manager 1.4 can only be installed on Red Hat Enterprise Linux 6.5 and previous releases.

## 3. BUGS AND ISSUES FIXED IN THIS RELEASE

The complete list of bugs fixed in this release are included in [RHEA-2014:0677](#). The bugs can also be viewed in [Bug #1061834](#), the [Bugzilla tracker](#) for the Subscription Asset Manager 1.4 release.

## 4. INSTALLING SUBSCRIPTION ASSET MANAGER

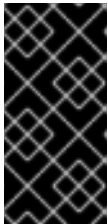
Subscription Asset Manager is included as part of a subscription to Red Hat Enterprise Linux. Subscription Asset Manager allows local administration of subscriptions and allows a stronger organization structure to be created to define machines, groups, and content streams.

Subscription Asset Manager is configured through a setup script which can use simple defaults for all settings or allow environment-specific customization.

### 4.1. Prerequisites

The machine on which Subscription Asset Manager 1.4 is installed must meet these requirements:

- Red Hat Enterprise Linux 6.5 Server, 64-bit



#### IMPORTANT

Subscription Asset Manager 1.4 *cannot* be installed on Red Hat Enterprise Linux 7. While Subscription Asset Manager does support Red Hat Enterprise Linux 7 *client* connection and management, installation of Subscription Asset Manager on Red Hat Enterprise Linux 7 servers is not supported.

- OpenJDK 1.7
- A minimum of 1.5GB RAM.
- A minimum of 1GB of memory must be swap-enabled.
- The Subscription Asset Manager hostname must be fully resolvable in DNS. Both servers and any client systems must be able to resolve the Subscription Asset Manager hostname for authentication operations and other management tasks.
- Ports 443 and 8088 for HTTPS (secure HTTP) must be open.
- *For enhanced reporting.* An additional 4 GB disk space.

### 4.2. Installing Using yum

1. Register the host system. Use the **--autoattach** option to attach the required subscriptions for the operating system immediately.

```
[root@server ~]# subscription-manager register --autoattach
Username: jsmith@example.com
Password:
```

2. Wait several minutes for the updated content repositories to be added to the system configuration.
3. Enable the **[rhel-6-server-sam-rpms]** repository.

```
[root@server ~]# yum-config-manager --enable rhel-6-server-sam-rpms
Loaded plugins: product-id, refresh-packagekit
```

```
===== repo: rhel-6-server-sam-rpms
=====
[rhel-6-server-sam-rpms]
bandwidth = 0
base_persistdir = /var/lib/yum/repos/x86_64/6Server
baseurl =
https://cdn.redhat.com/content/dist/rhel/server/6/6Server/x86_64/sub
scription-asset-manager/1/os
cache = 0
cachedir = /var/cache/yum/x86_64/6Server/rhel-6-server-sam-rpms
cost = 1000
enabled = 1
enablegroups = True
exclude =
failovermethod = priority
...
```

4. Install the **katello-headpin-all** package using **yum install**:

```
[root@server ~]# yum install -y katello-headpin-all
```

5. After installing the packages, run the Subscription Asset Manager configuration script, **katello-configure**.

The only required parameter for the basic installation is the deployment type, which is **sam**.

While not required, it is useful to specify an initial organization name for your deployment. If this is not set, then the first organization has a default name of *ACME\_Corporation*.

This sets up the Subscription Asset Manager instance with the default user and database settings.

```
[root@server ~]# katello-configure --deployment=sam --
org=Example_Org --user-pass=admin
Starting Katello configuration
The top-level log file is
[/var/log/katello/katello-configure-20130904-210539/main.log]
```

## 4.3. Upgrading

### 4.3.1. Required Upgrades

A new model of pricing and counting subscriptions coincident with the Subscription Asset Manager 1.4 release. Subscription Asset Manager 1.4 (and updated Red Hat Subscription Manager) can properly parse and apply these updated subscriptions as well as the former subscription structure. Older versions of Subscription Asset Manager cannot.





## IMPORTANT

If any subscriptions will be purchased after October 1, 2013, those subscriptions will use the new instance-based model. All Subscription Asset Manager servers must be upgraded to version 1.4 in order to use those new subscriptions. Older versions of Subscription Asset Manager are not compatible with the new instance-based subscriptions.

Additionally, it is strongly recommended that the local Red Hat Subscription Manager packages be updated on all local systems in order to use the new instance-based subscriptions.

The upgrade process requires backing up Subscription Asset Manager and its databases and managing indexes, along with updating packages. The full upgrade procedure is covered in the *Using Subscription Asset Manager* guide in the [subscription documentation set](#).

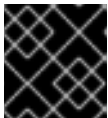
### 4.3.2. Upgrading Subscription Asset Manager

1. Back up the Subscription Asset Manager instance before beginning the upgrade procedure. This requires backing up all of the configuration files and dumping the backend Postgres database. The default database names are **katello-schema** and **candlepin**.
2. Stop all Subscription Asset Manager services:

```
[root@server]# katello-service stop
```

If the **katello-service** command is not available, then stop the associated services manually:

```
[root@server]# service katello stop
[root@server]# service katello-jobs stop
[root@server]# service httpd stop
[root@server]# service tomcat6 stop
[root@server]# service elasticsearch stop
```



## IMPORTANT

Do not turn off the **postgresql** service.

3. Flush the indexes.

1. Start the Elasticsearch service:

```
# service elasticsearch start
```

2. Flush the indexes:

```
# curl localhost:9200/_flush
```

3. Stop the Elasticsearch service:

```
# service elasticsearch stop
```

4. Upgrade the Subscription Asset Manager packages with **yum**:

```
[root@server]# yum upgrade
```

5. **yum** avoids overwriting the current Subscription Asset Manager configuration by creating a set of **.rpmnew** and **.rpmsave** files. Check these files against the existing configuration for any new changes.

For a list of configuration files, run the following command:

```
[root@server]# rpm -ql katello-configure | grep erb | grep etc | sed \
's/.*etc/\etc/' | sed 's/\.erb//'
```

For a list of **.rpmnew** files, run the following command:

```
[root@server]# find /etc -name *.rpmnew
```

6. Upgrade Subscription Asset Manager using the upgrade script.

```
[root@server]# katello-upgrade
```

The upgrade script prompts for confirmation for each part of the upgrade process. For example:

```
1/1: Update Candlepin (0003_update_candlepin.sh)
Updates Candlepin database schema to the latest version
Do you want to proceed? (y/n): y
Update Candlepin OK.
```

7. Run **katello-configure** to correct any configuration files and analyze log output for errors.

```
[root@server]# katello-configure
```



#### NOTE

In some cases, the configuration process is not finished after running **katello-configure** once. You will need to run **katello-configure** again to finish the configuration process. You can safely run **katello-configure** as many times as required to finish the configuration process, but twice is usually sufficient.

8. Start the Subscription Asset Manager server:

```
[root@server]# katello-service start
```

9. Test the Subscription Asset Manager server:

```
[root@server]# katello-service status
[root@server]# katello -u admin -p [PASSWORD] ping
```

- 
10. Update the port settings on every Subscription Asset Manager agent system.

The QPIDD port changed from 5674 to 5671 after Subscription Asset Manager 1.1. All systems connecting to Subscription Asset Manager using **katello-agent** must be updated to use port 5671.

1. Upgrade your system to the latest version of **katello-agent** and **goferd**.
2. Open the Katello plug-in configuration file:

```
[root@server]# vim /etc/gofer/plugins/katelloplugin.conf
```

3. Edit the **url** line to change port number.

```
url=ssl://$(host):5671
```

4. Restart the **katello-agent** and **goferd** services.
5. Open port 5671 on your Subscription Asset Manager firewall. For example, add the following rule to **iptables**:

```
-A INPUT -p tcp -m state --state NEW -m tcp --dport 5671 -j  
ACCEPT
```

## 5. REVISION HISTORY

### Revision 1.4-6

Jun 09, 2014

John Ha

Release notes for Subscription Asset Manager 1.4.

### Revision 1.3-5

October 1, 2013

Deon Ballard

Release notes for Subscription Asset Manager 1.3.