

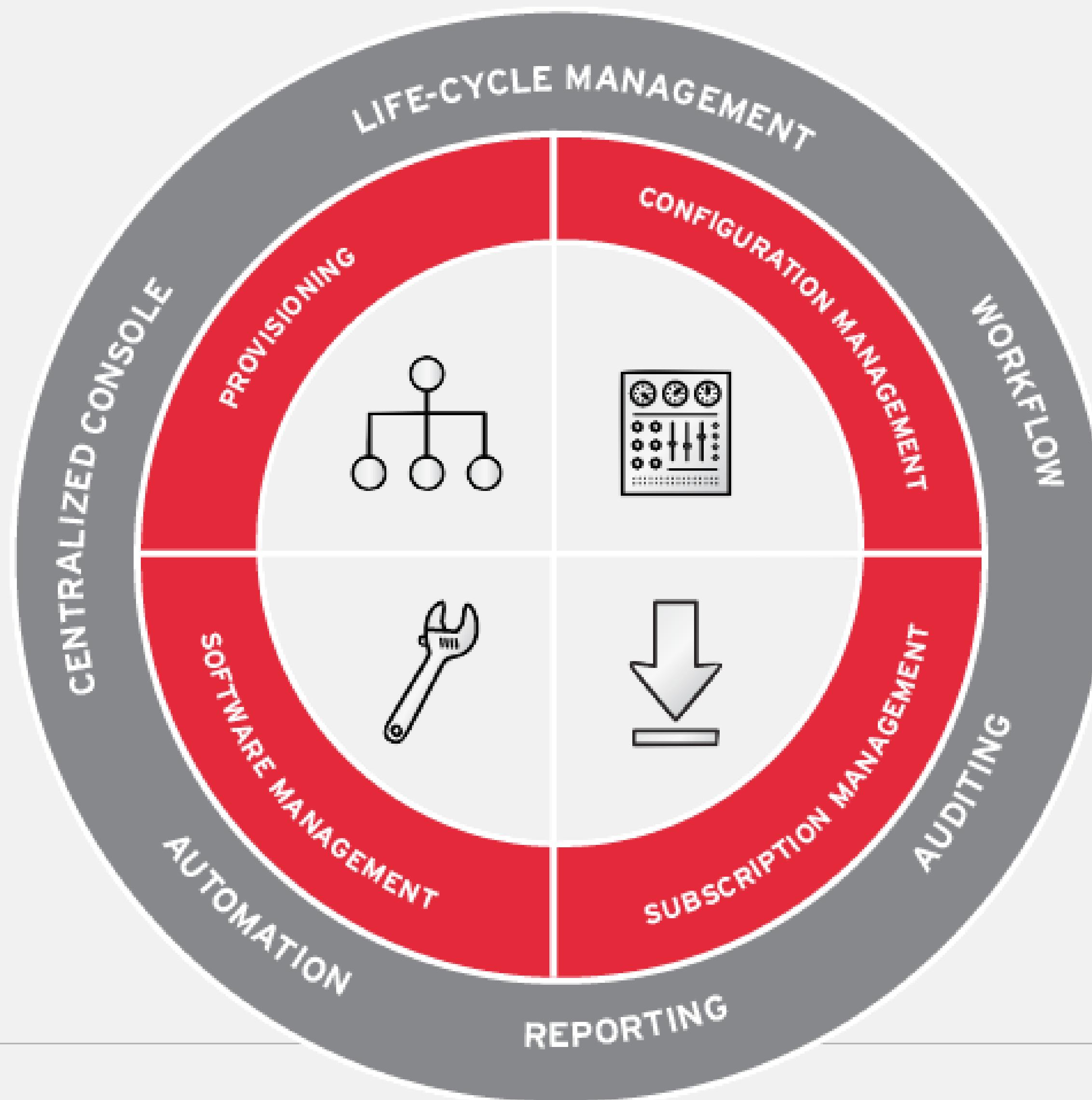


BOSTON, MA  
JUNE 23-26, 2015

# Satellite 6 Update and Roadmap

David Caplan  
Principal Product Manager  
Rich Jerrido  
Technical Marketing Engineer  
June 24, 2015

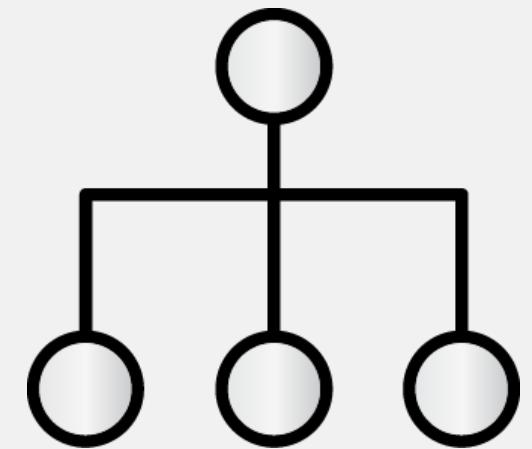
# Satellite 6 Coat of Arms



# Satellite 6



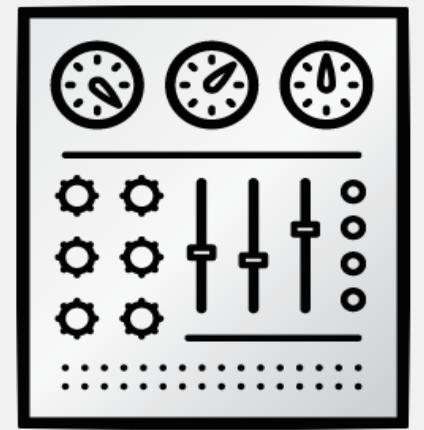
Automate Provisioning using PXE, Images, & containers, discover bare-metal servers & auto-provision with policies



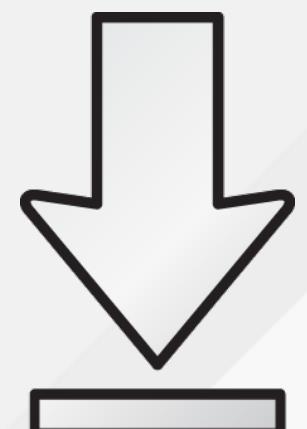
Blend RPMs, Puppet Modules, & Containers in a single versioned construct, and promote thru life cycles



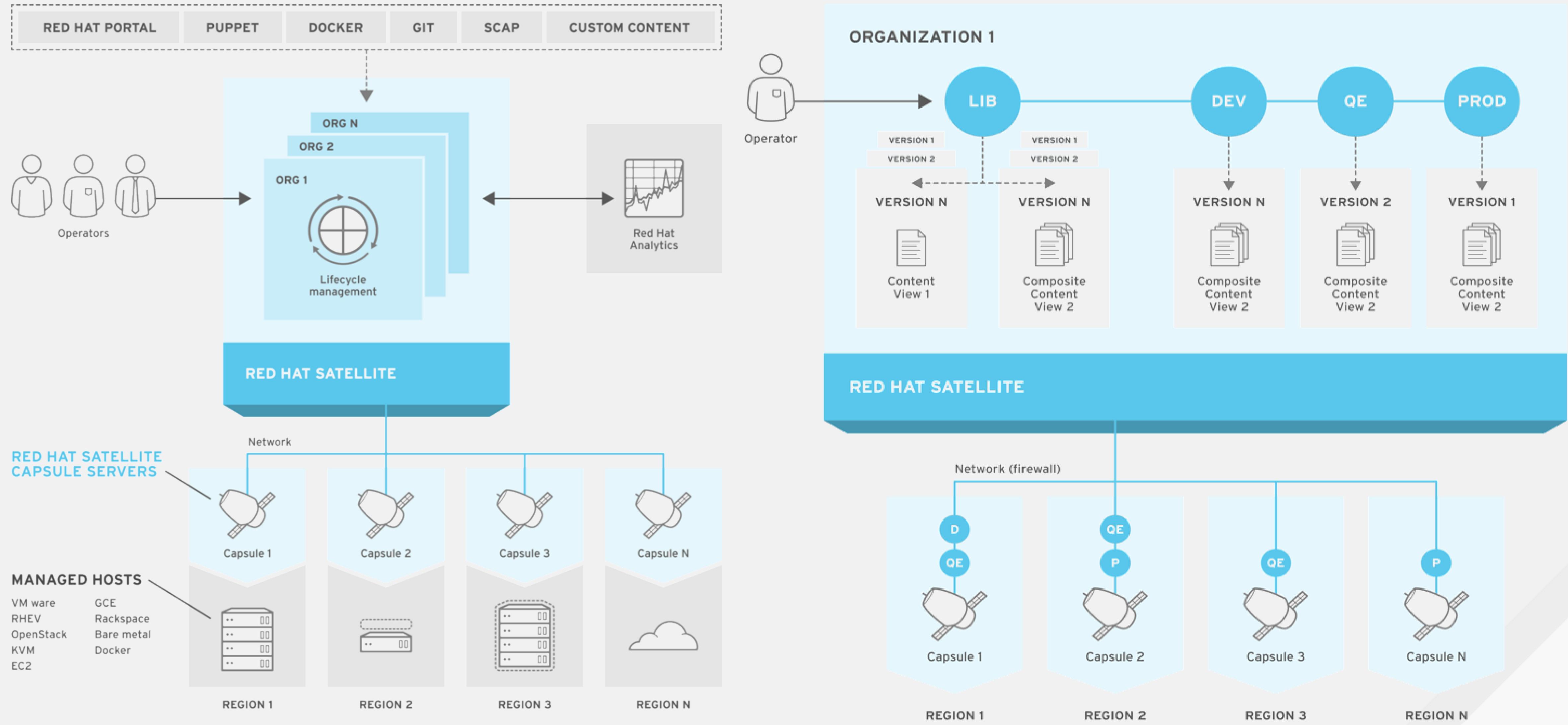
Configure using Puppet with fully managed & versioned content across your customized environments



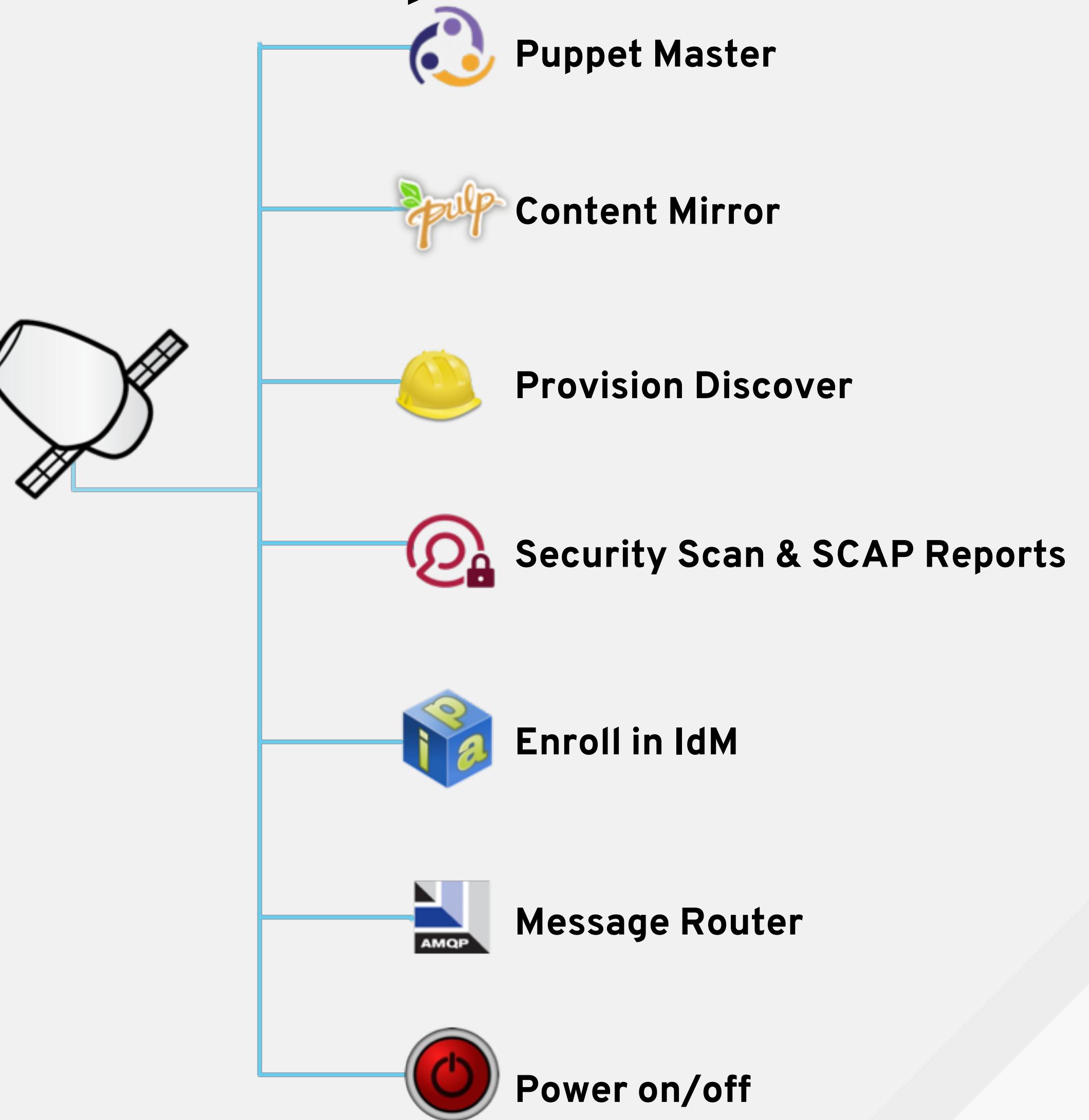
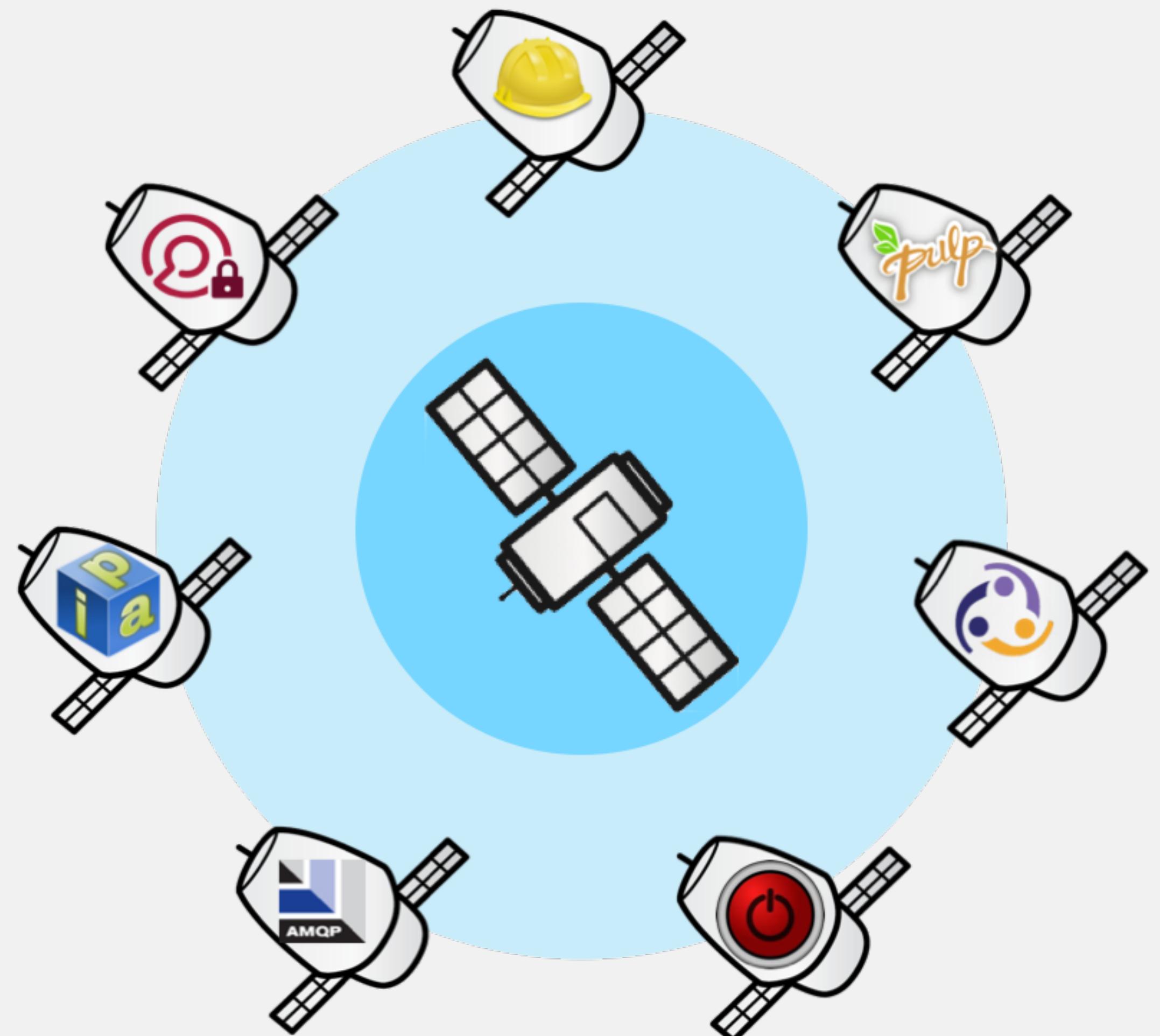
Deploy Red Hat content with confidence that your subscriptions are delivering their full value



# Satellite 6 Architecture



# Federated Services with Capsules



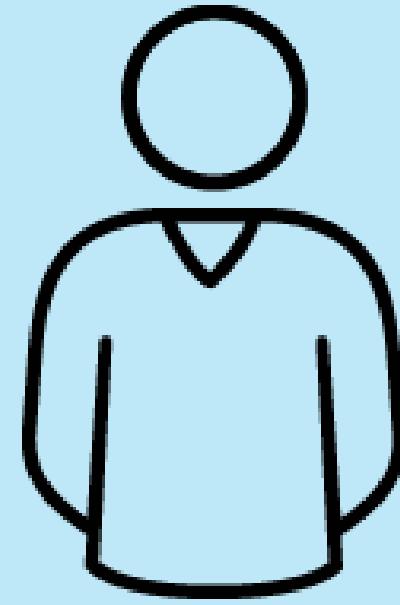
# What's New in Satellite 6.1 ?



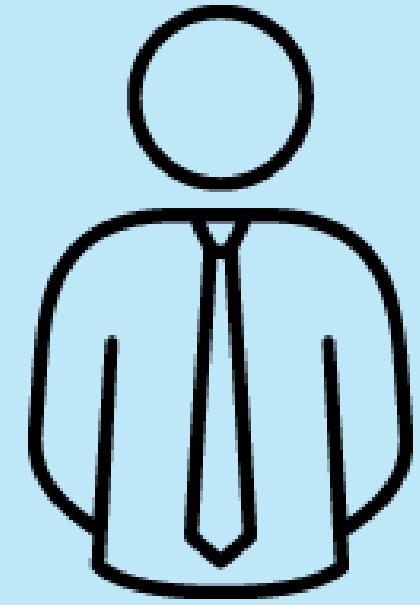
# Red Hat Satellite 6.1

- ✓ All New Documentation
- ✓ Cleaner User Interface
- ✓ Greater Responsiveness
- ✓ Improved Errata Handling
- ✓ Containers Managed As Content
- ✓ Capsule Isolates Host Traffic
- ✓ Policies Added To Discovery
- ✓ Integrated with Red Hat Access Insight
- ✓ Integrated OpenScap
- ✓ Multiple Nic Support

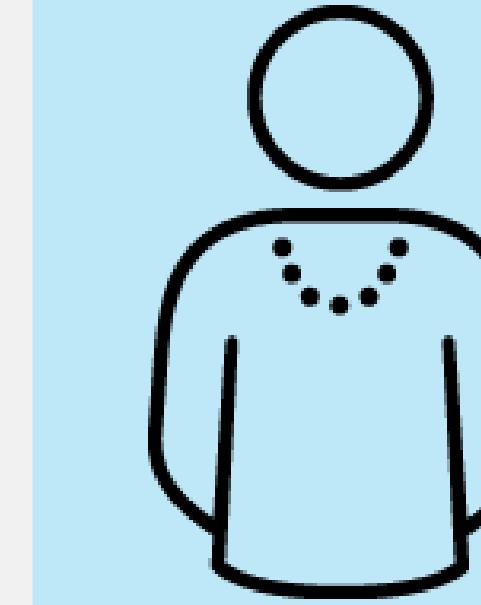
# Comprehensive Documentation



System Engineering

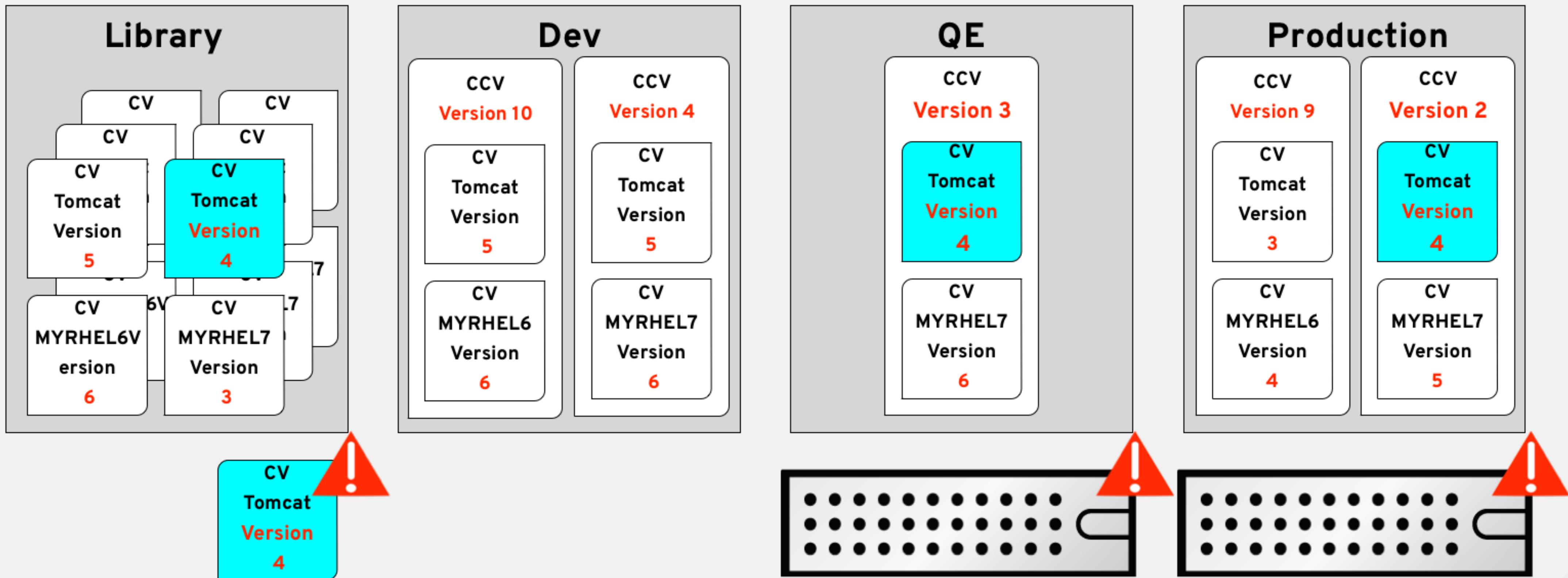


System Administration



Advanced System Management

# 2 Step Errata Management



# 2 Step Errata Management

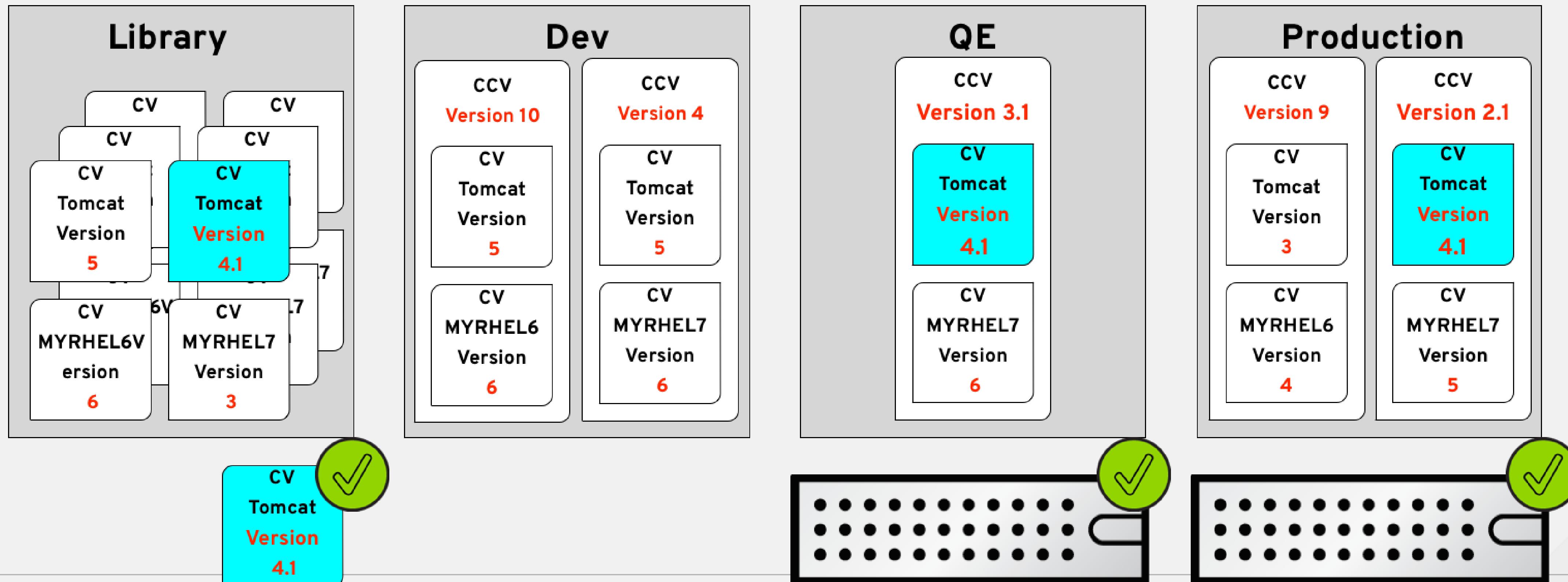
Satellite 6.0	Step	Satellite 6.1
Login on to Satellite to find new errata	0	Errata email notification arrives
Identify Errata for Tomcat	1	Identify Errata for Tomcat
Publish Errata to Tomcat CV <b>v4</b> in the library now <b>v5</b>	2	Add Errata to CV <b>v4, now v4.1</b> in QE & to applicable hosts CCV <b>v3, now V3.1</b>
Promote CCV Lib → Dev now <b>v11</b>	3	Add Errata to CV <b>v4, now v4.1</b> in Prod & to applicable hosts CCV <b>v2, now V2.1</b>
Promote CCV Dev → QE	4	
Promote CCV QE → Prod	5	
2 <sup>nd</sup> Promote CCV Prod → Dev	6	
2 <sup>nd</sup> Promote CCV Dev → QE	7	
Select applicable host(s) or host-collectors	8	
Push errata to selected host(s)		

The diagram illustrates the two-step process of errata management. It features two large circular arrows, one on the left for Satellite 6.0 and one on the right for Satellite 6.1. Each arrow has a red arc labeled 'TIME' in its center. A vertical column of step numbers from 0 to 8 is positioned between the arrows. To the right of each step number is a small green circle containing a white checkmark, except for step 0 which has a red triangle with a white exclamation mark.

# 2 Step Errata Management



1. Add Errata to CV & Hosts in QE
  - Minor Version is incremented for CV & CCV
2. Repeat for CV and Hosts in Production



# Red Hat Access Insights

RED HAT SATELLITE

RHAI\_Demo ▾ Monitor ▾ Content ▾ Hosts ▾ Configure ▾ Infrastructure ▾ Access Insights ▾ Administer ▾ Red Hat Access ▾ Admin User ▾

## Red Hat Access Insights

9 ACTIONS

77.8%

11.1%

11.1%

Use this chart to drill down and discover problems within your organization.

There are **9** action(s) detected from systems in your organization.

Overview

Overview

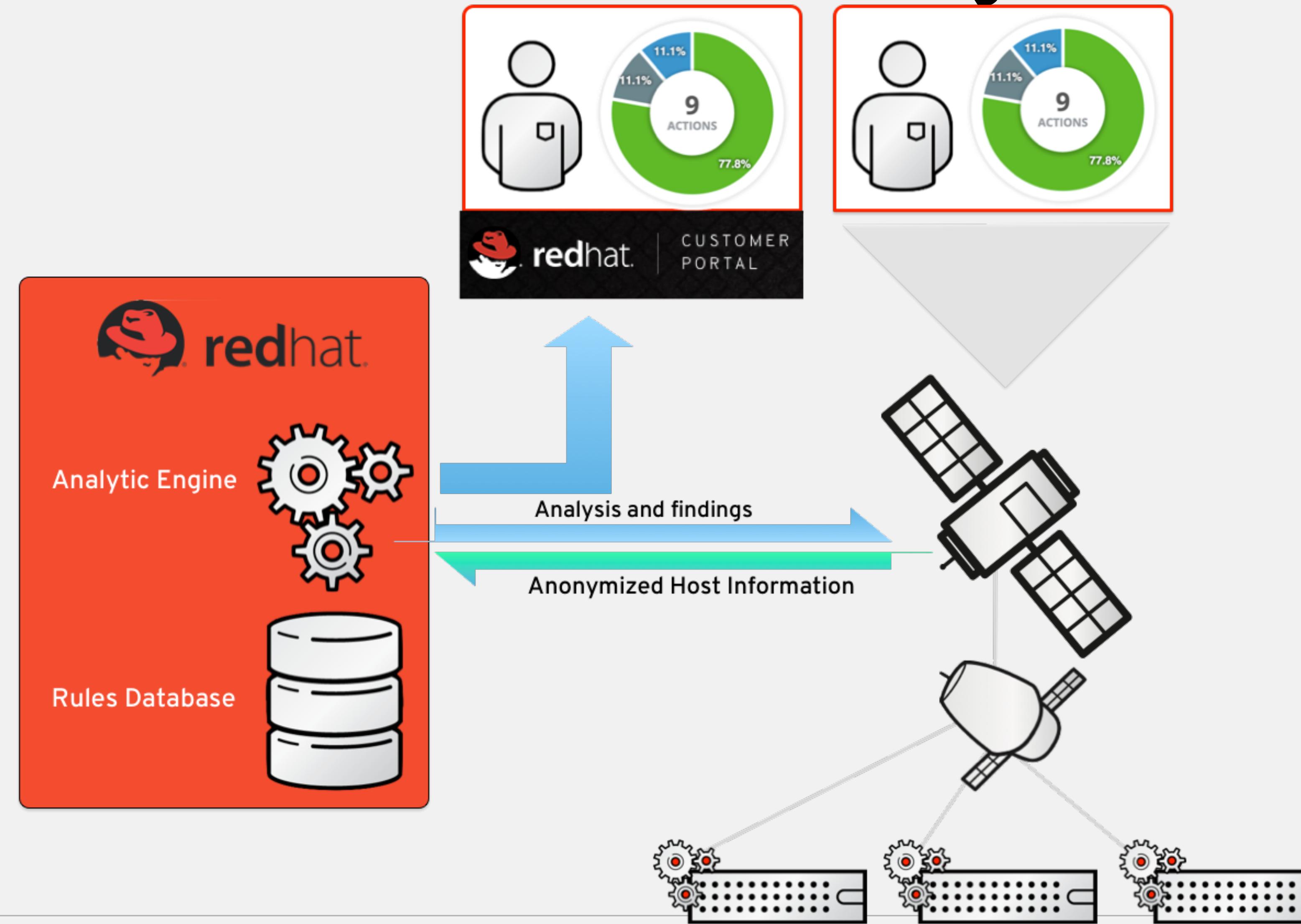
ALL INFO WARN ERROR

Section	Count
Security	1
Performance	1
Stability	7

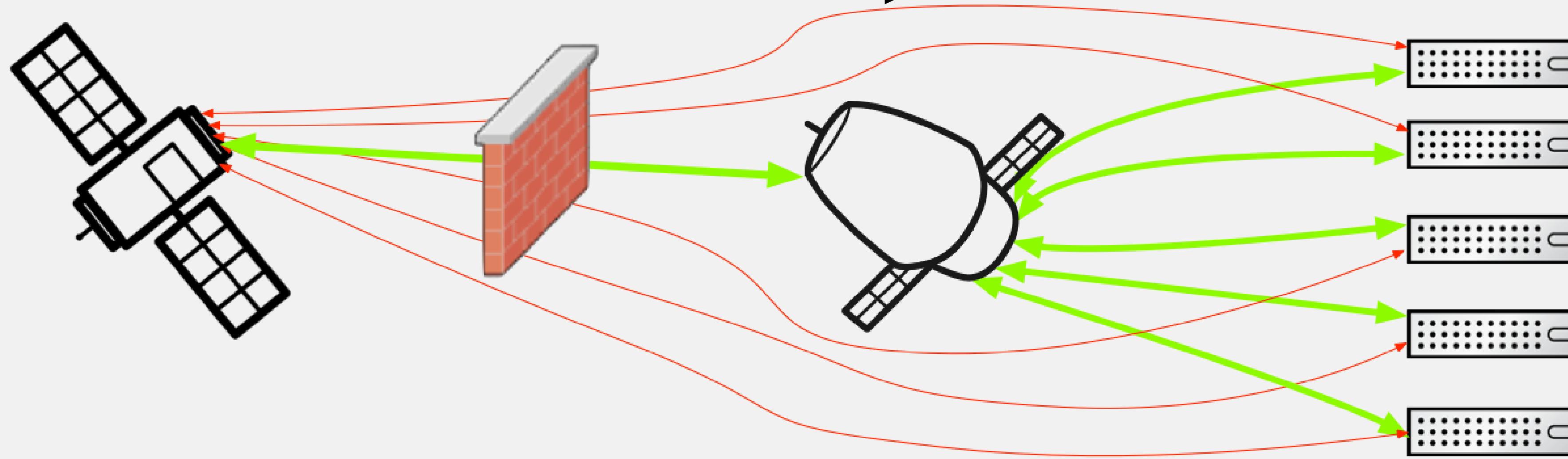
2 systems are not checking in

[View systems and resolve](#)

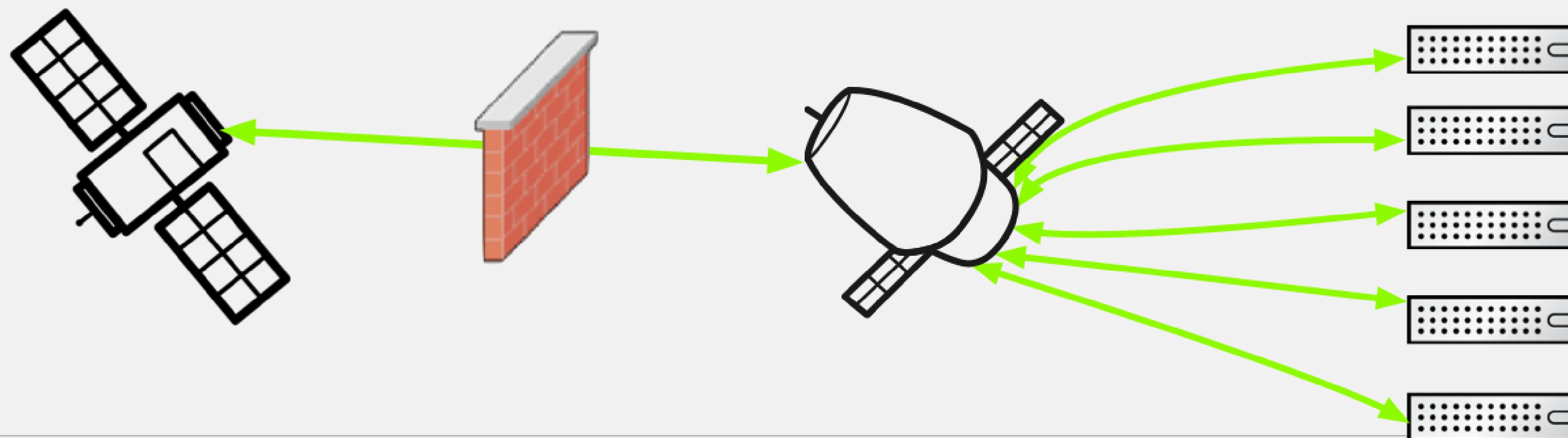
# Red Hat Access Insights



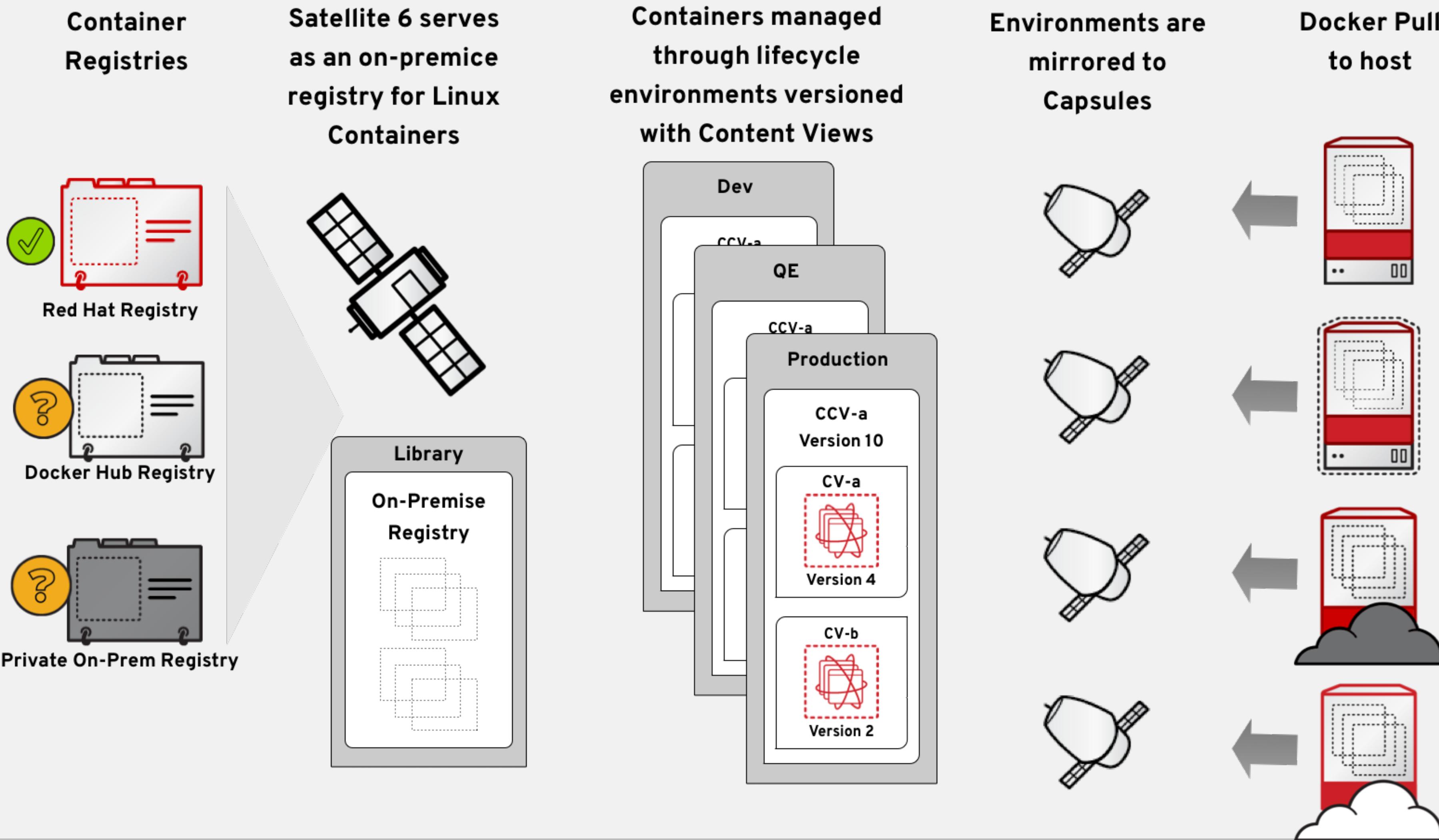
# Satellite 6.0    Isolated Capsule



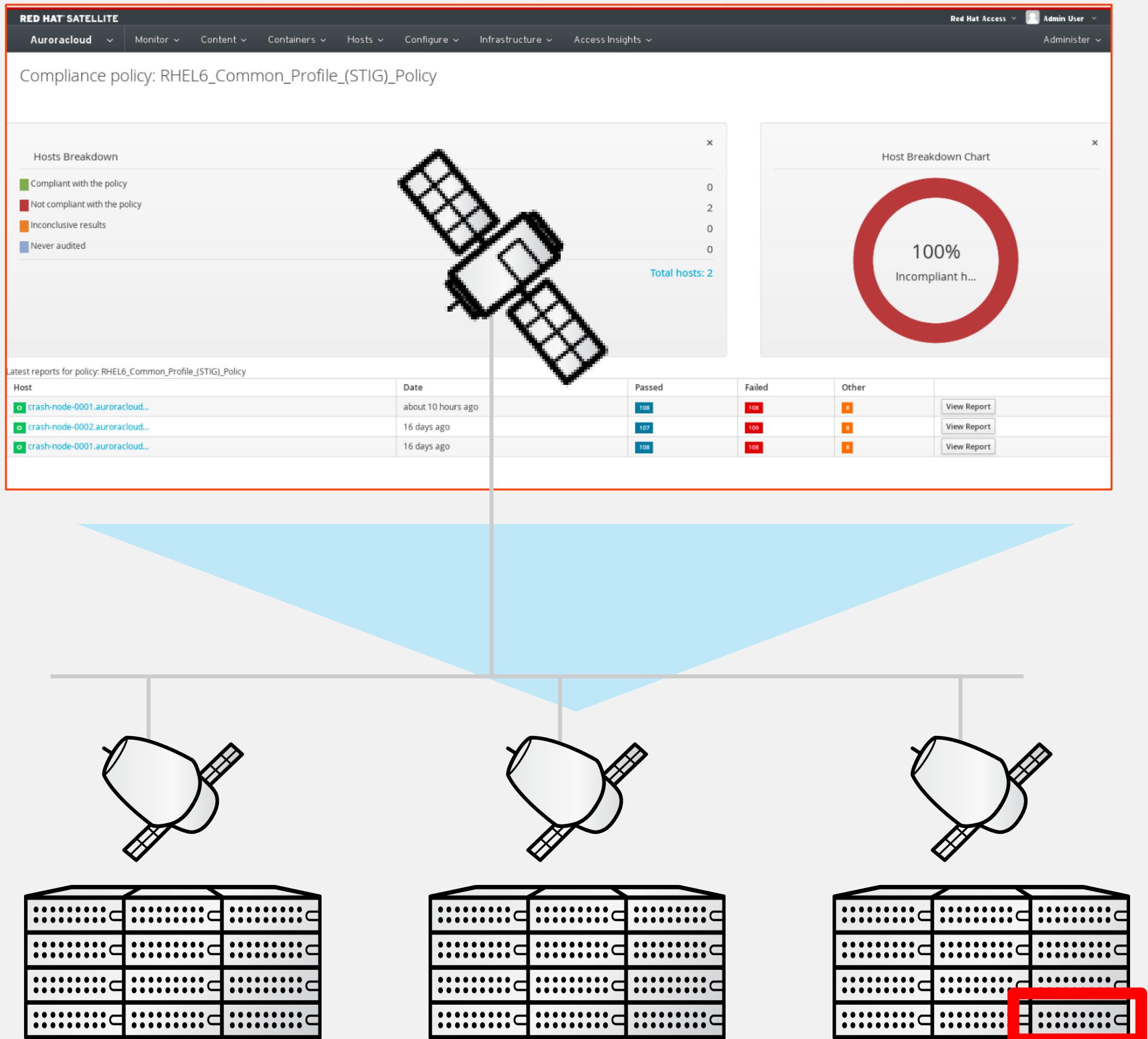
Satellite 6.1



# Container Management



# Open SCAP Integration



Guide to the Secure Configuration of Red Hat Enterprise Linux 6

**SCAP SECURITY GUIDE**

This guide presents a catalog of security-relevant configuration settings for Red Hat Enterprise Linux 6. It is a rendering of content structured in the eXtensible Configuration Checklist Description Format (XCCDF) in order to support security automation. The SCAP content is available in the `scap-security-guide` package which is developed at <http://fedorahosted.org/scap-security-guide>.

Providing system administrators with such guidance informs them how to securely configure systems under their control in a variety of network roles. Policy makers and baseline creators can use this catalog of settings, with its associated references to higher-level security control catalogs, in order to assist them in security baseline creation. This guide is a catalog, not a checklist, and satisfaction of every item is not likely to be possible or sensible in any operational scenario. However, the XCCDF format enables granular selection and adjustment of settings, and their association with OVAL and OCIL content provides an automated checking capability. Transformations of this document, and its associated automated checking content, are capable of providing baselines that meet a diverse set of policy objectives. Some example XCCDF Profiles, which are selections of items that form checklists and can be used as baselines, are available with this guide. They can be processed, in an automated fashion, with tools that support the Security Content Automation Protocol (SCAP). The DISA STIG for RHEL 6, which provides required settings for US Department of Defense systems, is one example of a baseline created from this guidance.

Do not attempt to implement any of the settings in this guide without first testing them in a non-operational environment. The creators of this guidance assume no responsibility whatsoever for its use by other parties, and makes no guarantees, expressed or implied, about its quality, reliability, or any other characteristic.

**Evaluation Characteristics**

Target machine	crash-node-0001.auroracloud.info
CPE Platforms	cpe:/c:redhat:enterprise_linux:6 cpe:/c:redhat:enterprise_linux:client
Benchmark URL	/var/lib/openscap/content/515536619e8c4958f4db95b868c
Benchmark ID	xccdf_org.ssgproject.content_benchmark_RHEL-6
Profile ID	xccdf_org.ssgproject.content_profile_stig-rhel6-server-upd
Started at	2015-06-12T09:14:18
Finished at	2015-06-12T09:15:27
Performed by	root

**Addresses**

- IPv4 127.0.0.1
- IPv4 192.168.126.103
- IPv6 0:0:0:0:0:0:1
- IPv6 fe80:0:0:0:5054:ff:feed:66a0
- MAC 00:00:00:00:00:00
- MAC 52:54:00:EB:66:A0

**Compliance and Scoring**

The target system did not satisfy the conditions of 108 rules! Furthermore, the results of 2 rules were inconclusive. Please review rule results and consider applying remediation.

**Rule results**

108 passed	108 failed	8 other
------------	------------	---------

**Severity of failed rules**

0 low	62 medium	42 high
-------	-----------	---------

**Score**

Scoring system	Score	Maximum	Percent
urn:xccdf:scoring:default	69.335884	100.000000	69.34%

**Rule Overview**

# Discovery



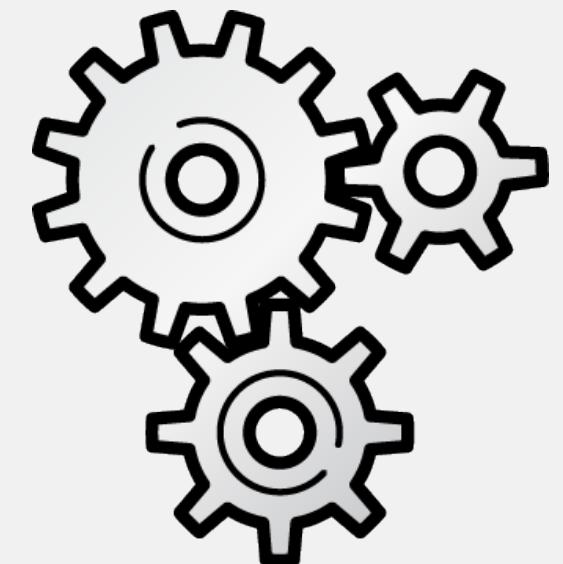
RED HAT SATELLITE

Default Organization@Default Location ▾ Monitor ▾ Content ▾ Containers ▾ Hosts ▾ Configure ▾ Infrastructure ▾ Access Insights ▾ Red Hat Access ▾ Admin User ▾ Administer ▾

### Discovery Rules

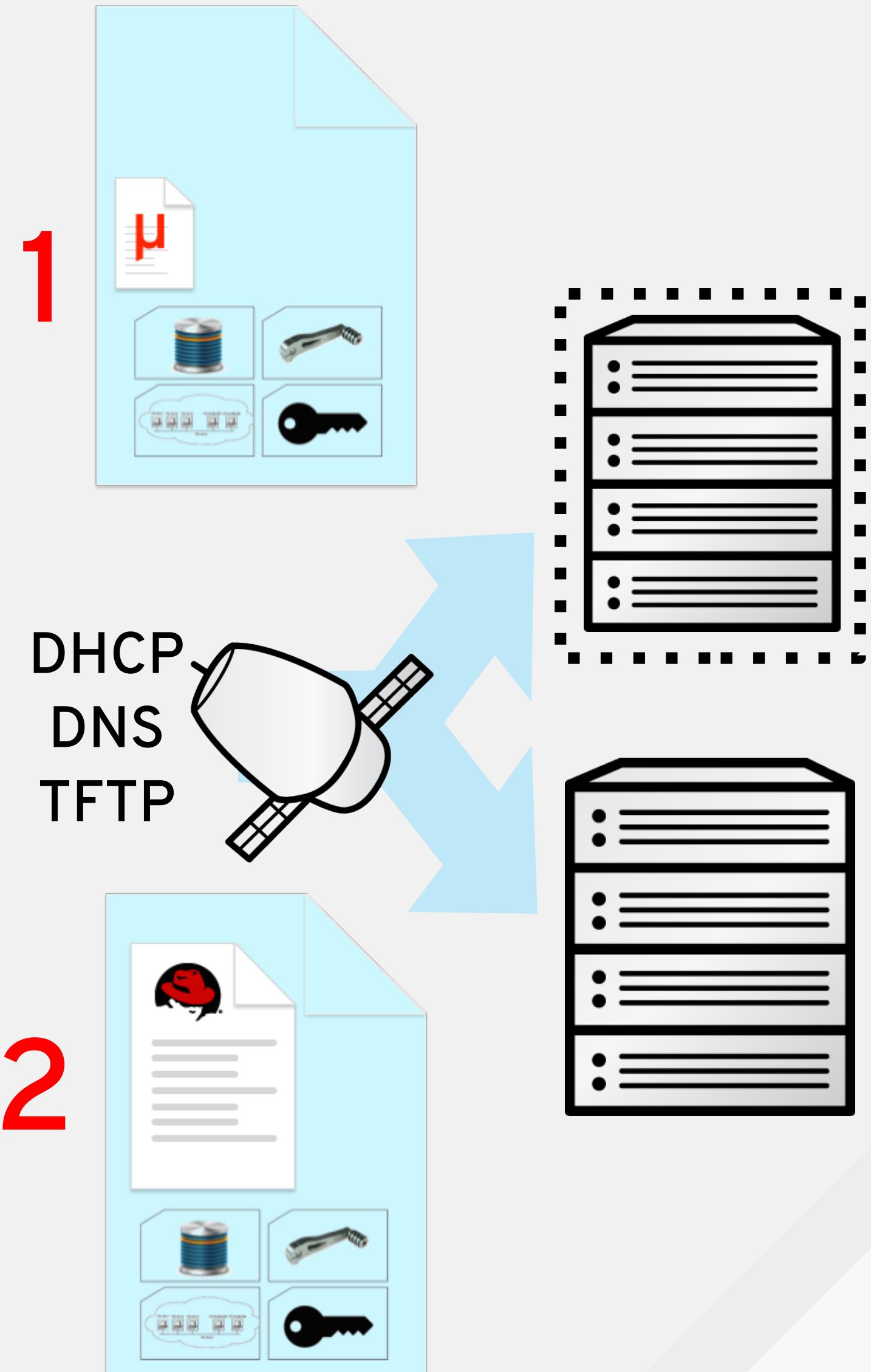
Name	Priority	Query	Host group	Hosts/limit	Enabled	Action
2_CPU	0	cpu_count > 1	RHEL6_Dev_Servers	0 / 0	true	Delete ▾
16_GBYTE_MEM	0	memory > 16GB	RHEL6_Dev_Servers	0 / 4	true	Delete ▾
DefLOC_On_124	0	location = "Default Location" and subnet = 192.168.124.0	RHEL6_Dev_Servers	0 / 0	true	Delete ▾
KVM_Big_Storage	0	model = KVM and disks_size > 2TBytes	RHEL6_Dev_Servers	0 / 0	true	Delete ▾
1_CPU	1	cpu_count >= 1	RHEL7_Prod_Servers	1 / 0	true	Delete ▾

New Rule



06/24/15

#redhat #rhsummit

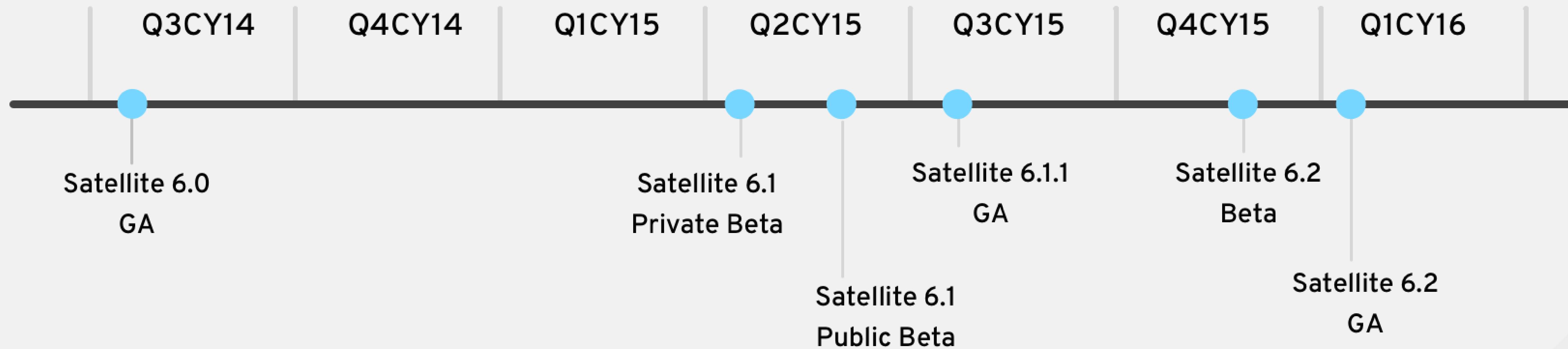


17

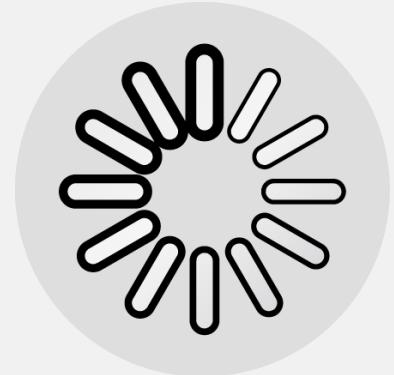


# High Level Roadmap for 6.2

# Satellite 6 Release Schedule



# RED HAT SATELLITE 6.2



## GENERAL IMPROVEMENTS

Remote Execution | Dynamic Host Collection | Inter-Satellite Sync



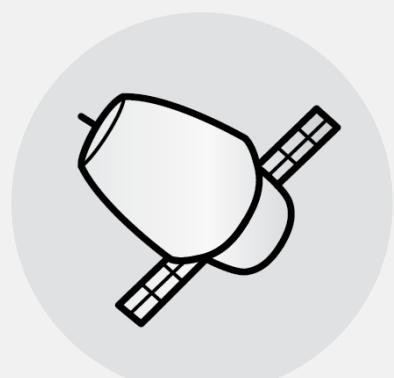
## ATOMIC OSTREE AND CONTAINERS

On-premise Enterprise Registry for Atomic OS and Docker containers



## SOE V2 with Content Views

Multi-version Support | Preview Function | Sharing Faster Puppet Module Updates | Centrally Managed Smart Variables



## CAPSULE IMPROVEMENTS

Observability | Greater Resiliency | Improved Command and Control



## HIGH AVAILABILITY

Satellite Server in Active Active Cluster | Capsules Load Balanced

# Learn More

# Satellite Related Talks

Wed: 2:30pm - 3:30pm

Ikea vs Shellshock: 1-0

Wed: 3:40pm - 4:40pm

Transitioning from Satellite 5 to 6

Wed: 3:40pm - 4:40pm

Realworld perspectives: managing infrastructures with Satellite (panel)

Thu: 1:20pm - 2:20pm

Shellshock, heartbleed -- What's the next headache for compliance?

Thu: 1:20pm - 2:20pm

Cloudforms, satellite 6 and puppet for automating JBOSS EAP 6

Thu: 3:40pm - 4:40pm

10 steps to build a standard operating environment

Thu: 4:50pm - 5:50pm

Puppet Enterprise and Satellite 6

Thu: 4:50pm - 5:50pm

Security compliance automation with Satellite

Fri: 9:45am - 10:45am

Satellite 6 power user tips and tricks

# SATELLITE LABS, TRAINING & MORE

LABS

THUR 3:30PM-5:30PM

SECURITY COMPLIANCE MADE EASY WITH OPENSCAP

FRI: 9AM-11AM

MIGRATE FROM RED HAT SATELLITE 5 TO SATELLITE 6

FRI: 11:30AM-1PM

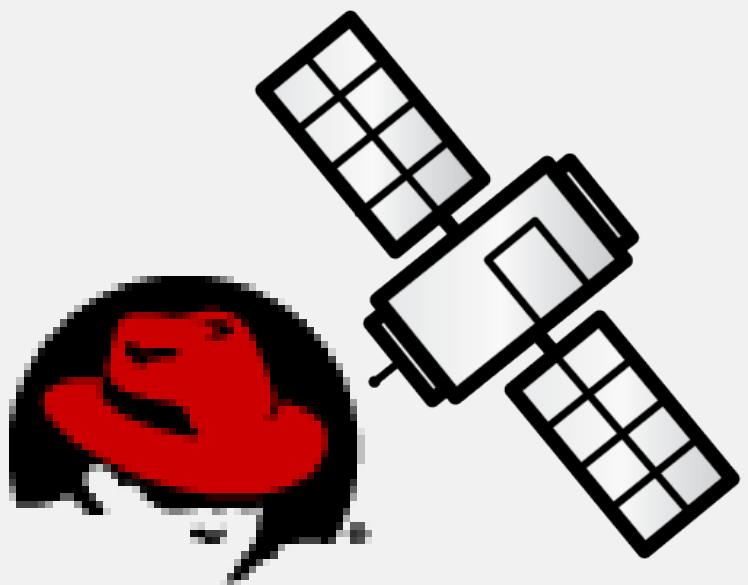
HAND-ON WITH SATELLITE 6.1

TASTE OF TRAINING

WED: 3:40PM - 4:40PM

MANAGING SOFTWARE & ERRATA DEPLOYMENT WITH  
SATELLITE 6

## Come See Us!



Visit the Satellite Team  
In the Red Hat  
Infrastructure  
Booth #306



Visit the Foreman Team  
In the Community  
Booth

# DEMO