



RED HAT
FORUM
Europe, Middle East & Africa



Oszczędzaj Czas i Zasoby z Red Hat Satellite

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Solution Architect/Red Hat

AGENDA

- Red Hat Satellite Overview
- Satellite 6 Architecture
- Satellite 6.2 New Features

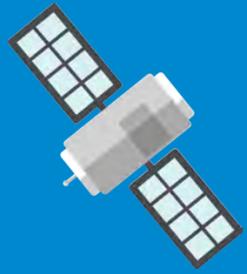




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Red Hat Satellite Overview



RED HAT® SATELLITE

LIFECYCLE MANAGEMENT

RED HAT®
ENTERPRISE
LINUX®

RED HAT®
ENTERPRISE
VIRTUALIZATION

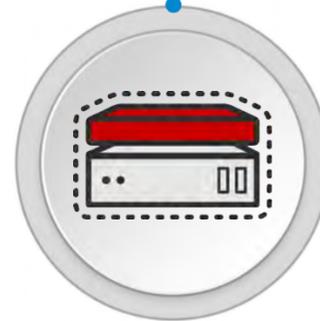
RED HAT®
STORAGE

RED HAT®
ENTERPRISE LINUX®
OPENSTACK® PLATFORM

RED HAT® JBOSS®
MIDDLEWARE



PHYSICAL



VIRTUAL



PRIVATE CLOUD



PUBLIC CLOUD

THINK ABOUT YOUR ENVIRONMENT



**CONFIDENT YOU
CAN QUICKLY
RESPOND?**



**WILL YOUR
PROCESSES
SCALE?**



**ARE YOUR
SYSTEMS
COMPLIANT?**

RED HAT CAN HELP



**CONFIDENT YOU
CAN QUICKLY
RESPOND?**



**Easily Address
Security**



**WILL YOUR
PROCESSES
SCALE?**



**Increase
Efficiency**

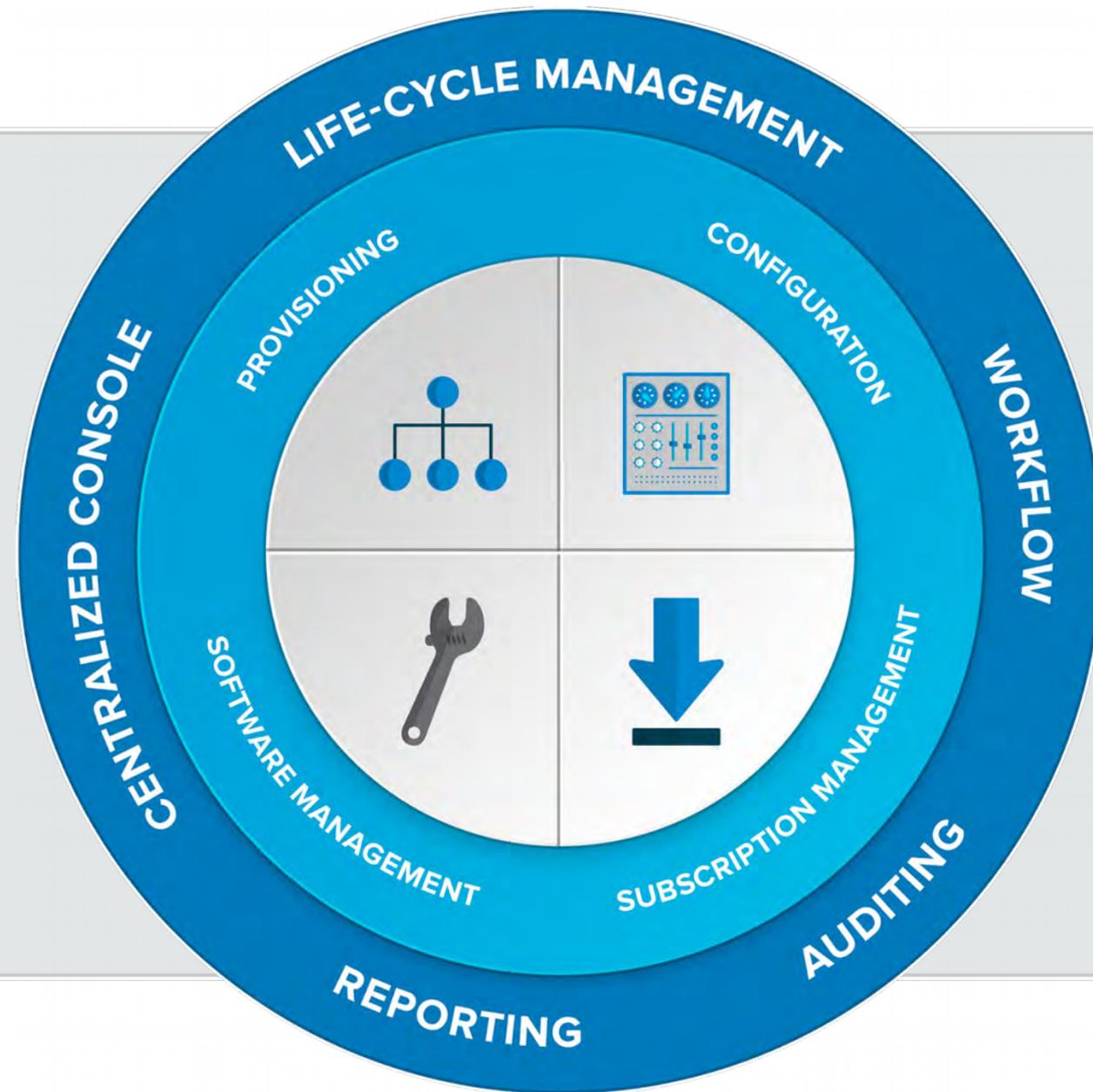


**ARE YOUR
SYSTEMS
COMPLIANT?**



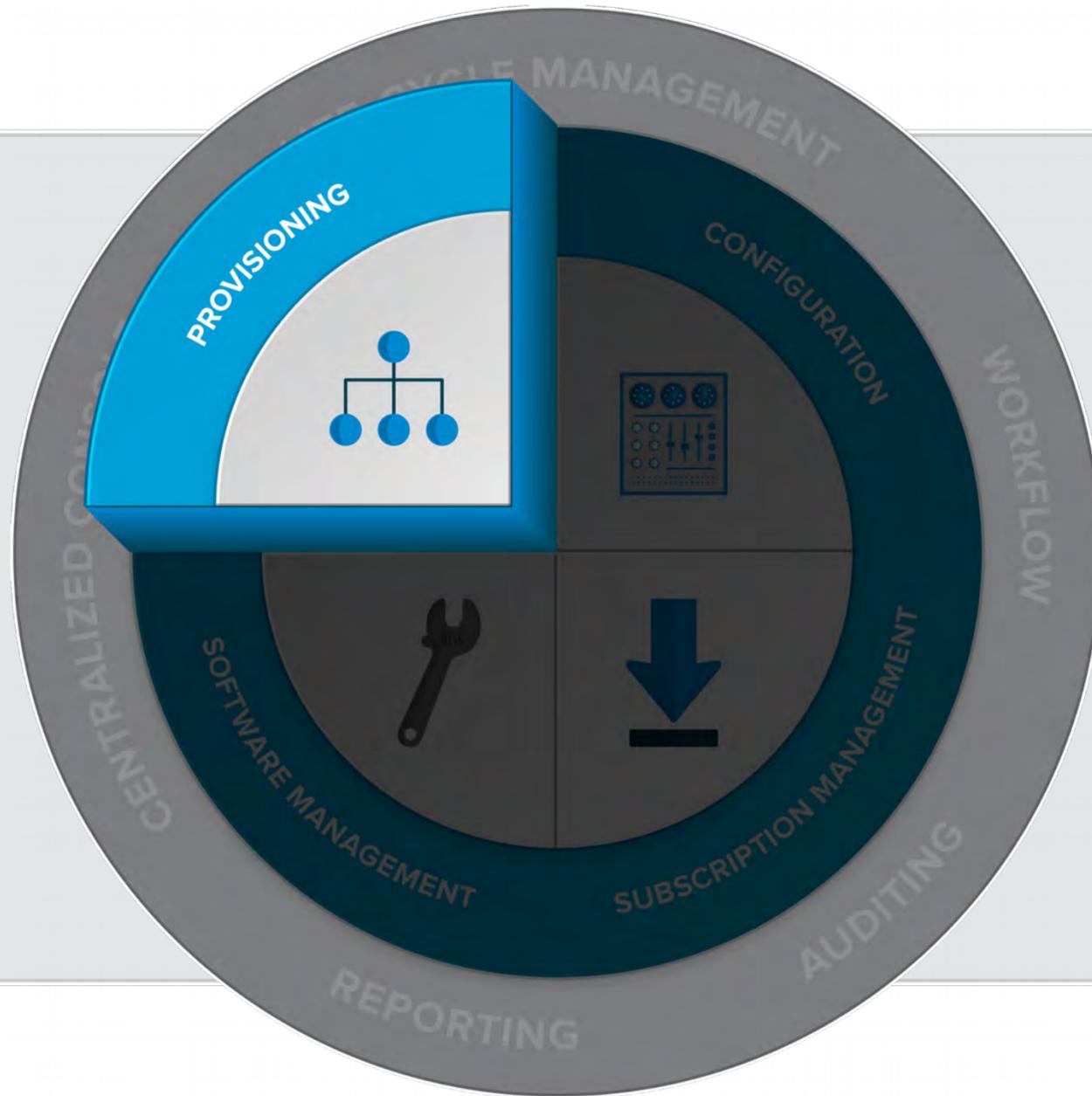
**Audit & Remediate
Systems**

EFFICIENT SYSTEMS MANAGEMENT



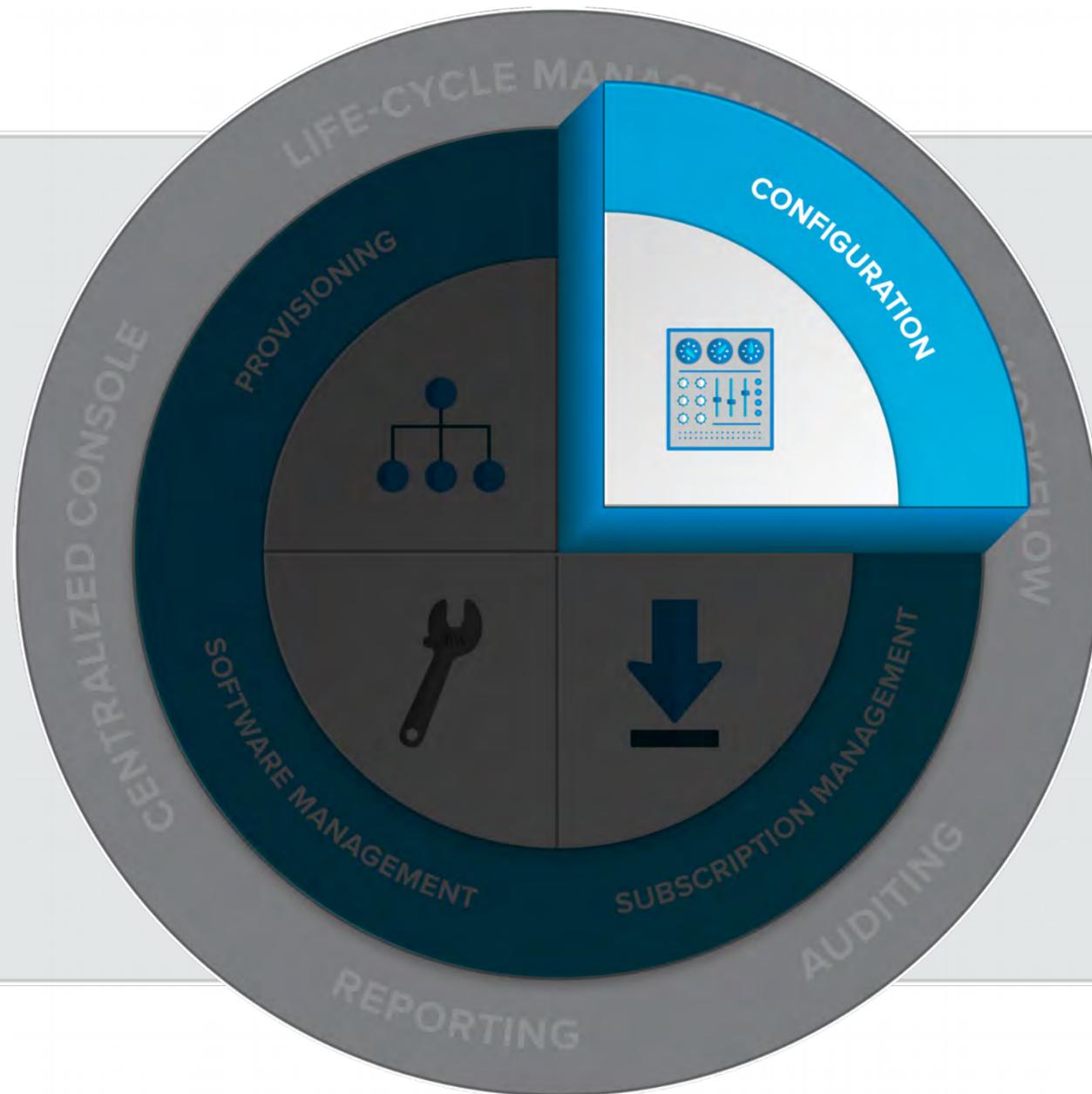
- Provides life-cycle management for Red Hat infrastructure
- Enables provisioning on bare metal, virtualized and cloud-based infrastructures
- Provides centralized configuration and drift management
- Simplifies management of content, including security errata
- Makes it easy to manage and track subscriptions

PROVISIONING



- Provision to bare metal, virtual, private, and public clouds
- Federate content delivery
- Support build-based and image-based deployments
- Discover non-provisioned hosts

SYSTEM CONFIGURATION



- Define desired state of systems
- Manage and remediate drift
- Audit & report when changes are made

SOFTWARE MANAGEMENT



- Define & manage Standard Operating Environments
- Quickly respond to security vulnerabilities (Heartbleed/ShellShock)
- Comply with your organization's security policies
- Deploy all Red Hat Infrastructure as well as third-party software

SUBSCRIPTION MANAGEMENT



- Centrally manage subscription usage
- Maintain accurate inventory and utilization information
- Report on subscription consumption on a group-by-group basis

IDC ROI STUDY OF RED HAT SATELLITE

398
PERCENT

ROI

6.8
MONTHS

PAYBACK PERIOD

A single system administrator using Red Hat Satellite can manage more Red Hat Enterprise Linux servers and cut administration costs.



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Red Hat Satellite 6 Architecture

RED HAT SATELLITE: UPSTREAM EVOLUTION

RED HAT SATELLITE 5

RED HAT SATELLITE 6



SPACEWALK



FOREMAN



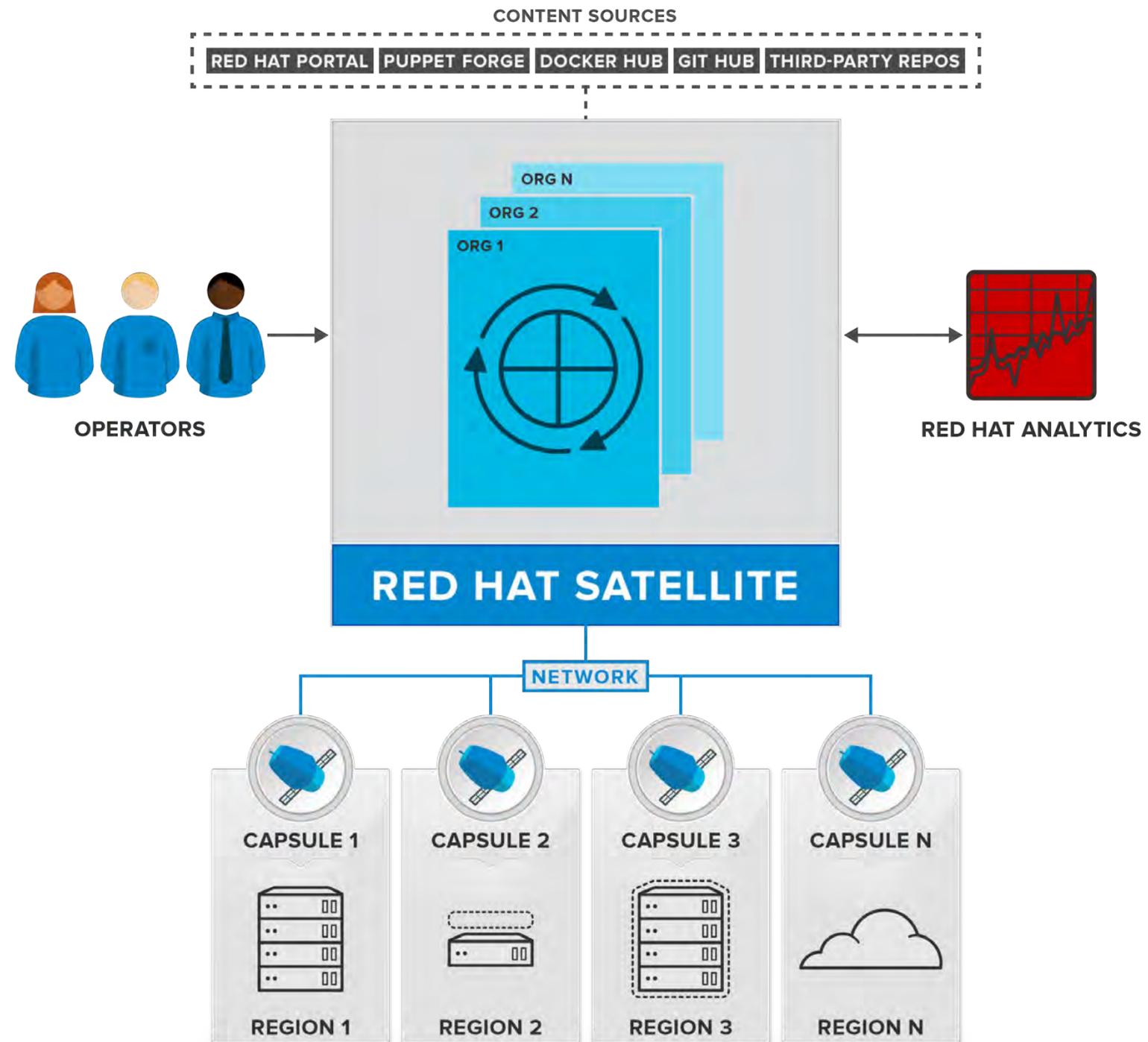
KATELLO™



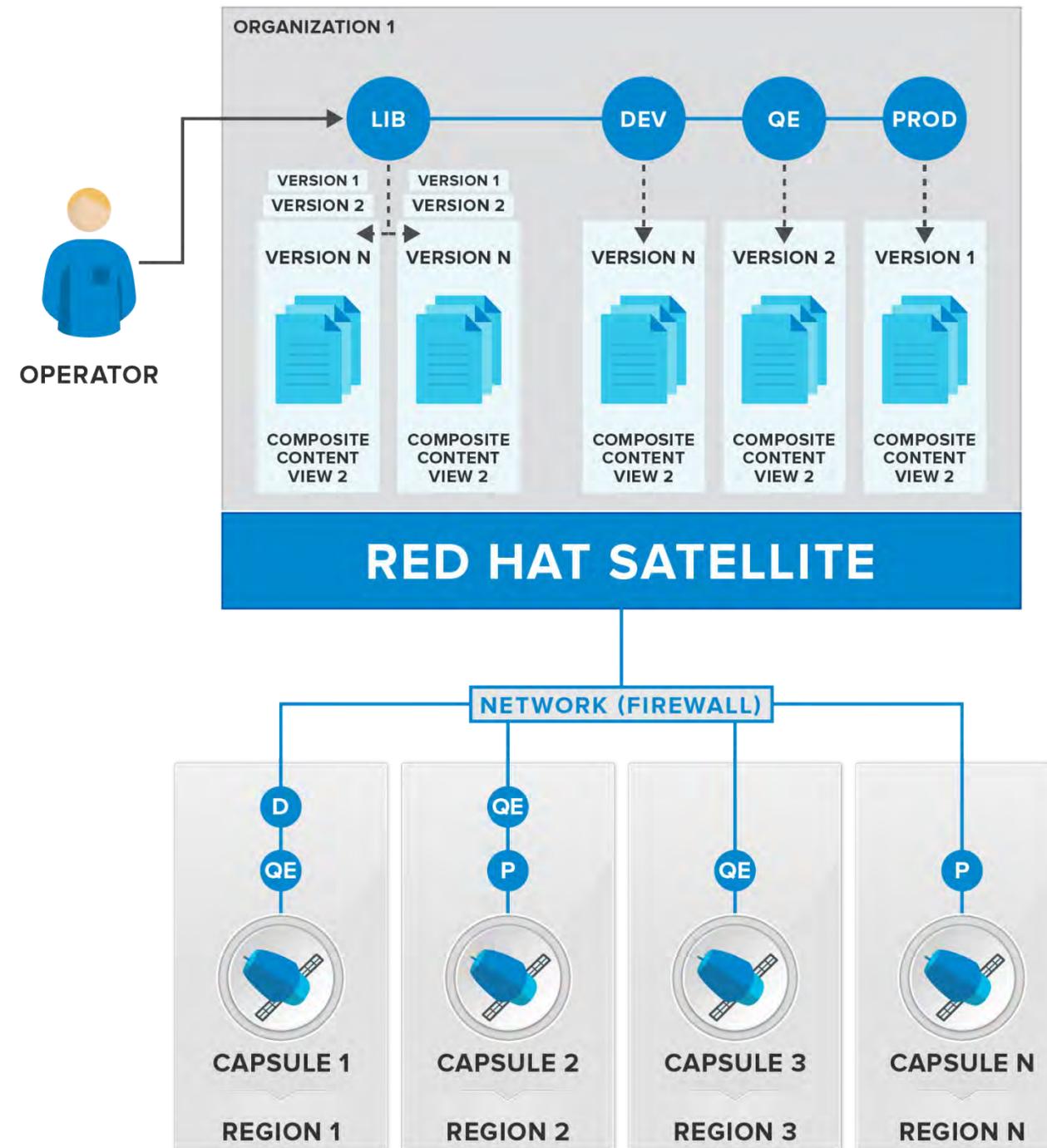
HANDLEPIN



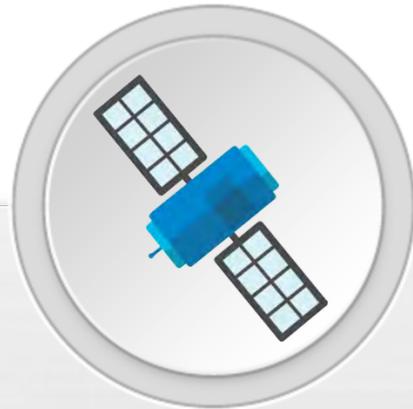
SATELLITE 6 ARCHITECTURE



SATELLITE 6 ARCHITECTURE



RED HAT SATELLITE 6 COMPONENTS



SATELLITE SERVER

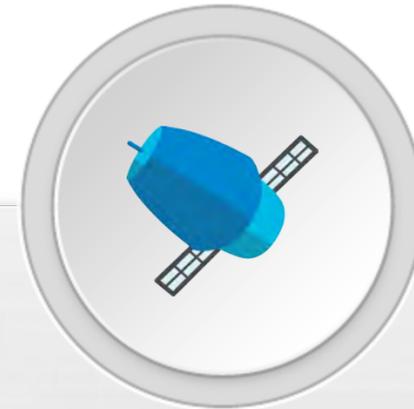
Multi-tenant

On-premise repository management

User and group role-based access control (RBAC)

Powerful user interfaces (GUI, API & CLI)

Advanced subscription management



SATELLITE CAPSULE SERVER (evolution of Satellite Proxy)

Federated services

Automated provisioning

Discovery of new physical & virtual machines



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Red Hat Satellite 6.2 New Features

AVAILABLE IN SATELLITE 6.2



AUTOMATED WORKFLOWS

Remote execution
Scheduling
Expanded bootstrap & provisioning options



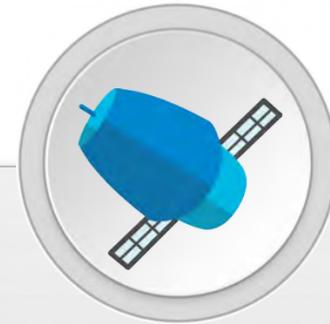
AIR-GAPPED SECURITY & FEDERATION

Inter-Satellite Sync for fully connected and disconnected Satellites



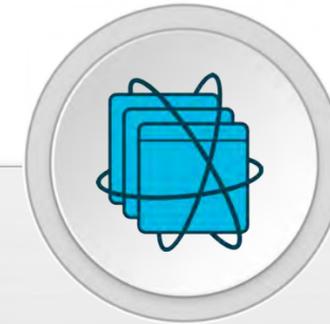
SOFTWARE MANAGEMENT IMPROVEMENTS

Streamlined content synchronization*
Simplified Puppet smart variable management



CAPSULE IMPROVEMENTS

Deeper insights into Capsule health and overall performance
Lighter-weight Capsules
Highly available Capsule



ATOMIC OSTREE AND CONTAINERS

Complete management of RHEL Atomic hosts
Mirror container repositories

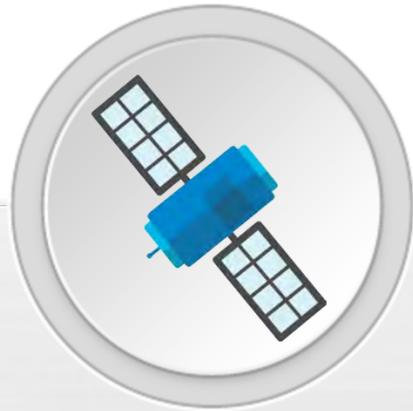


ENHANCED DOCUMENTATION

New documentation guides available
More user-friendly documentation

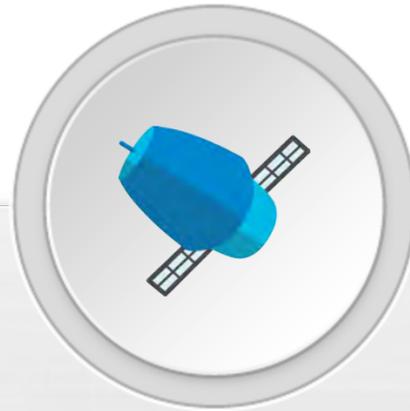
*Coming soon. Not in 6.2.0, but will be released before Satellite 6.3

RED HAT SATELLITE 6 PACKAGING



SATELLITE SERVER

- Multi-tenant
- On-premise repository management
- User and group role-based access control (RBAC)
- Powerful user interfaces (GUI, API & CLI)
- Advanced subscription management



SATELLITE CAPSULE SERVER (evolution of Satellite Proxy)

- Federated services
- Automated provisioning
- Discovery of new physical & virtual machines



SMART MANAGEMENT

- Required for “systems managed”

ADDITIONAL DOCUMENTS

- **Red Hat Satellite – Product Page:**

<https://access.redhat.com/products/red-hat-satellite>

- **Red Hat Satellite – Quick Start:**

<https://access.redhat.com/documentation/en/red-hat-satellite/6.2/single/quick-start-guide>

- **Red Hat Satellite – Download:**

<https://access.redhat.com/downloads/content/250/>



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