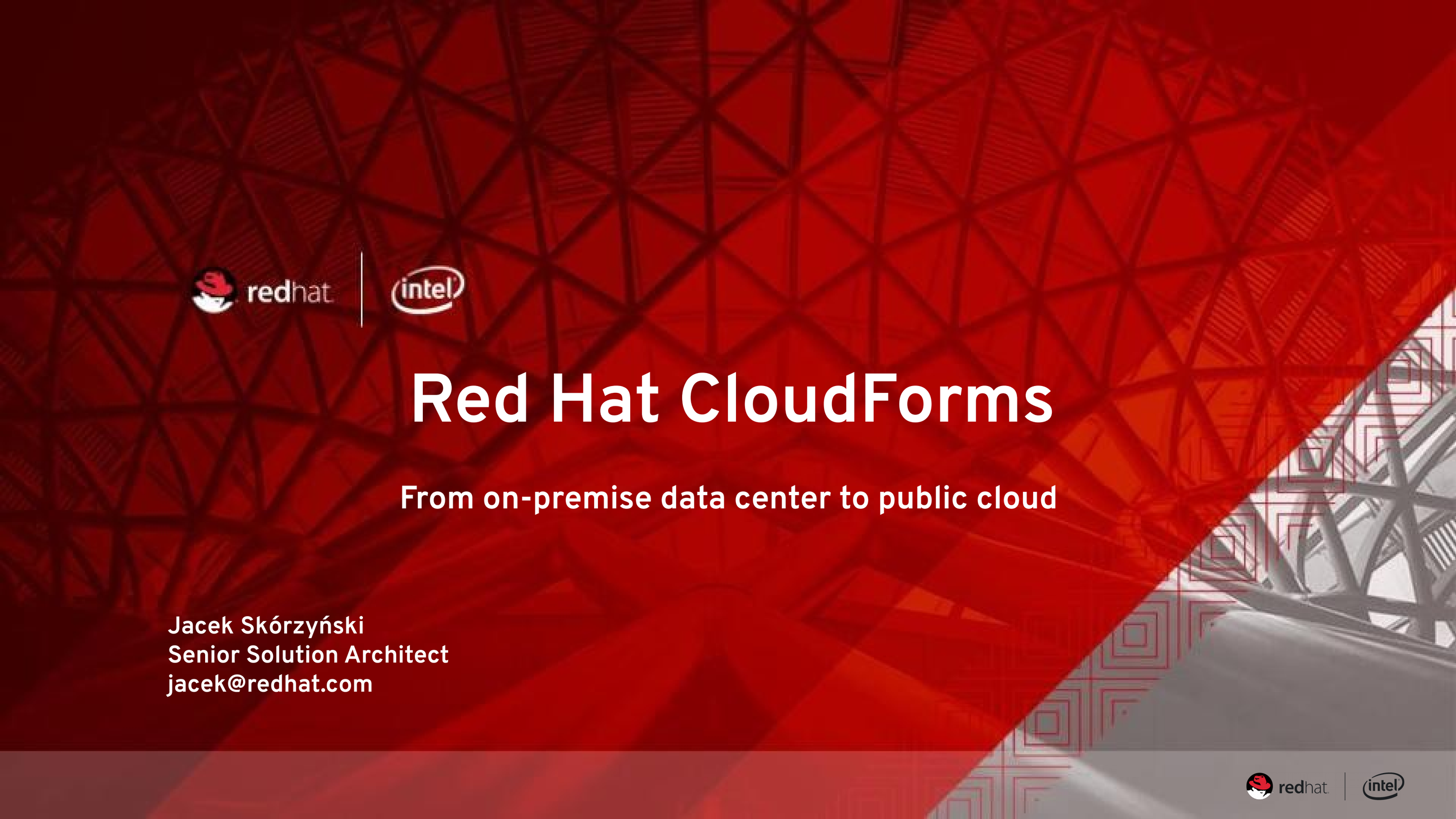

Red Hat CloudForms

From on-premise data center to public cloud

Jacek Skórzyński
Senior Solution Architect
jacek@redhat.com

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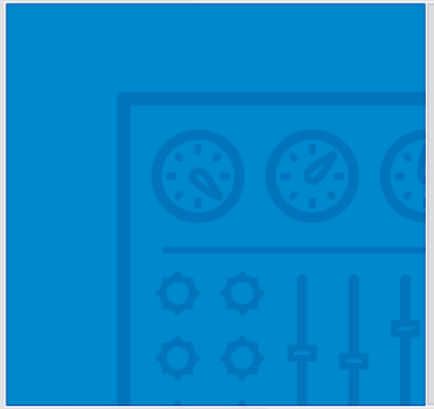
Harmony
Off
Activity
Watch TV
Play Game
Watch Movie
12:30
Exit
Vol
Ok
Menu
Ch
Pg
DVR
Guide
Info

CLOUDFORMS DELIVERS SERVICES ACROSS HYBRID ENVIRONMENTS



SERVICE AUTOMATION

Streamline complex service delivery processes, saving time and money.

POLICY & COMPLIANCE

Draws on continuous monitoring and deep insights to raise alerts or remediate issues.

OPERATIONAL VISIBILITY

Complete lifecycle and operational management that allows IT to remain in control.

UNIFIED HYBRID MANAGEMENT

Deploy across virtualization, private cloud, public cloud and container-based environments.

EVOLUTION NOT REVOLUTION

RED HAT® CLOUDFORMS

Service Automation

Policy & Compliance

Operational Visibility

Unified Hybrid Management

CONTAINERS

Red Hat Atomic | OpenShift by Red Hat©

VIRTUALIZATION

VMware©

Microsoft© Hyper-V

Red Hat Virtualization

PRIVATE CLOUD

Red Hat© Openstack Platform

PUBLIC CLOUD

Amazon© Web Services

Windows Azure

Google© Cloud Platform

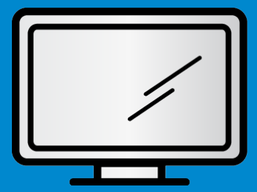
SOFTWARE DEFINED NETWORKING

CLOUDFORMS FEATURES

AGENTLESS, VIRTUAL APPLIANCE

NON-INVASIVE, EASY MAINTENANCE

WEB-BASED, SELF-SERVICE, ADMIN AND OPERATIONS

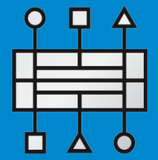


ACCESS FROM ANY BROWSER

MULTI-TENANT AND MULTI-LOCATION

SECURELY SHARE INFRASTRUCTURE

PLUGABLE API FRAMEWORK

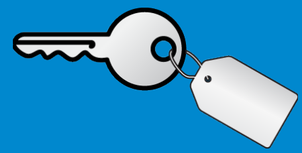


EASY TO INTEGRATE AND EXTENSIBLE TO OTHER PLATFORMS

HORIZONTALLY SCALABLE, LOAD-BALANCED

HIGHLY SCALABLE, HIGHLY AVAILABLE WITH FAILOVER AND FALLBACK

ROLE-BASED ACCESS CONTROL AND ENTITY TAGGING

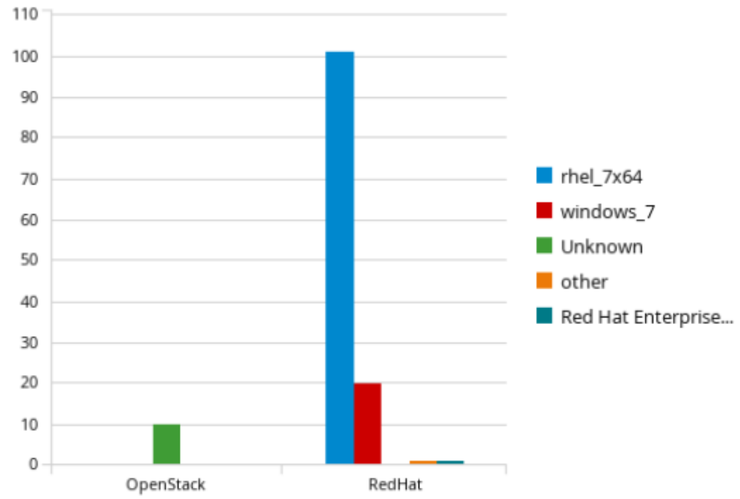


SEGMENT USER ACCESS AND DRIVE COMPLIANCE, CONTROL AND REPORTING

DATACENTER IN SINGLE PANE OF GLASS

Default Dashboard

Vendor and Guest OS Chart



Updated March 30, 2017 00:00 | Next March 31, 2017 00:00

Top CPU Consumers (weekly)

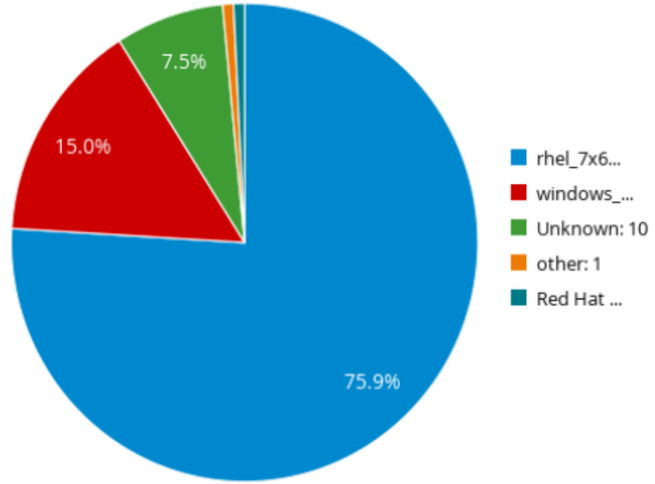
Asset Name	Cluster Name	CPU - Usage Rate (%) (Avg)
ospcontroller	MicroCluster	19.1%
cloudforms	MicroCluster	9.4%
win7	MicroCluster	1.2%

Updated March 30, 2017 00:00 | Next March 31, 2017 00:00

Top Memory Consumers (weekly)

Asset Name	Cluster Name	Memory - Used for Collected Intervals (MB) (Avg)
cloudforms	MicroCluster	9.9 GB
ospcontroller	MicroCluster	6 GB
win7	MicroCluster	689.5 MB

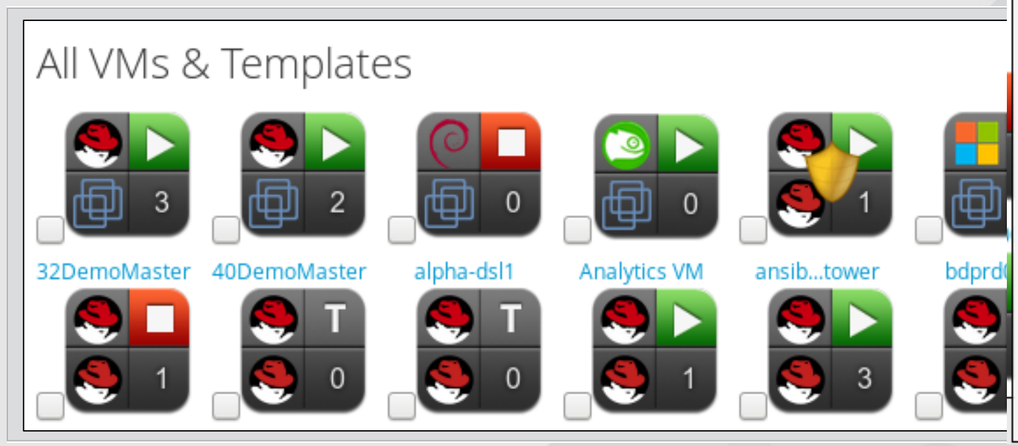
Guest OS Information

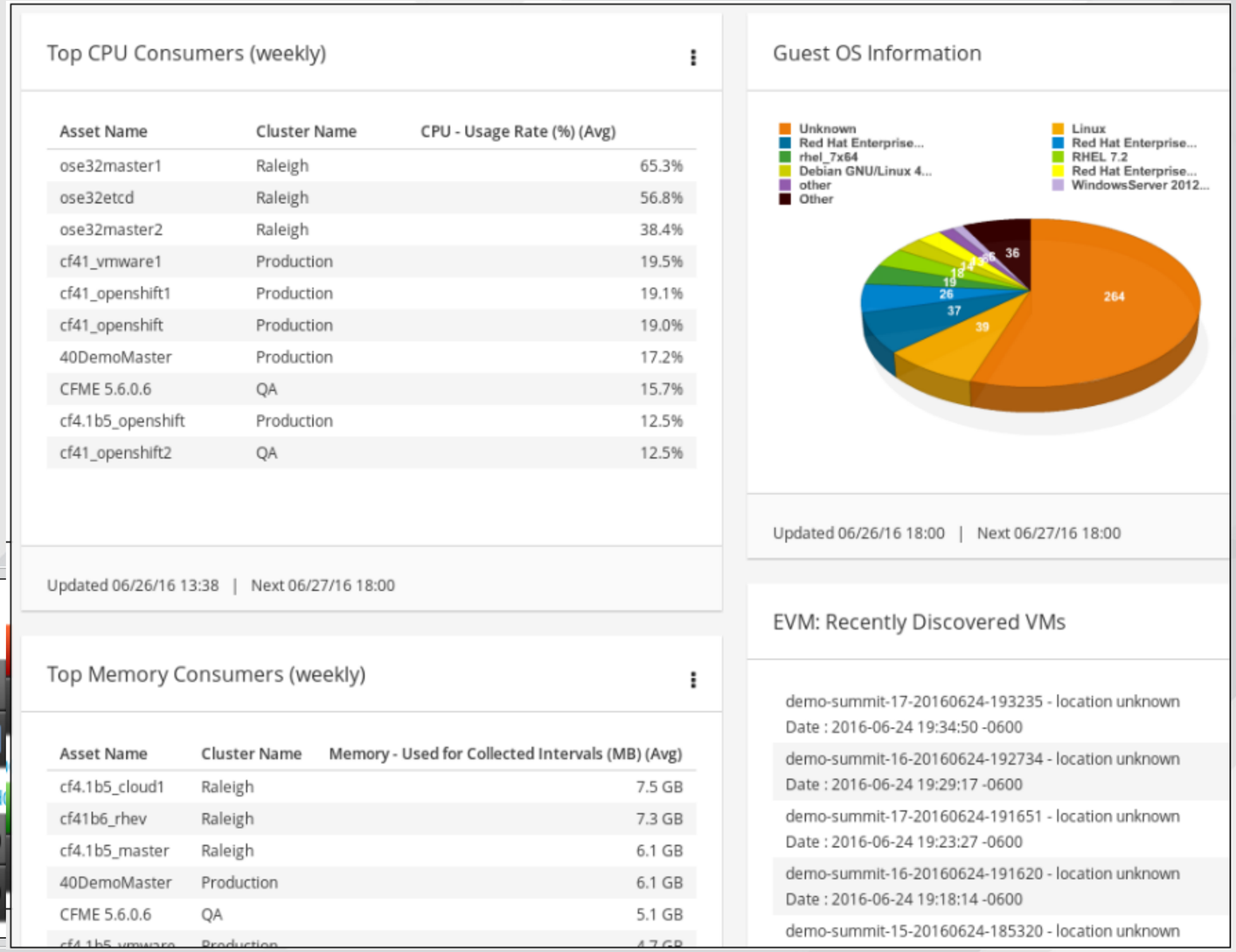


Updated March 30, 2017 00:00 | Next March 31, 2017 00:00

VIRTUALIZATION MANAGEMENT

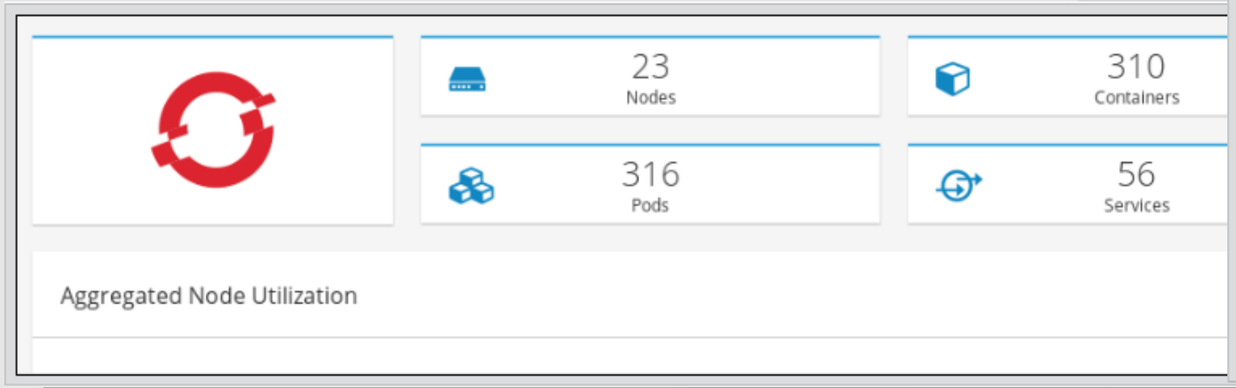
- Provision from clone of existing VM instance or template.
- View VM genealogy and track VM drift from established configurations.
- Execute VM power operations and retire VM instances.

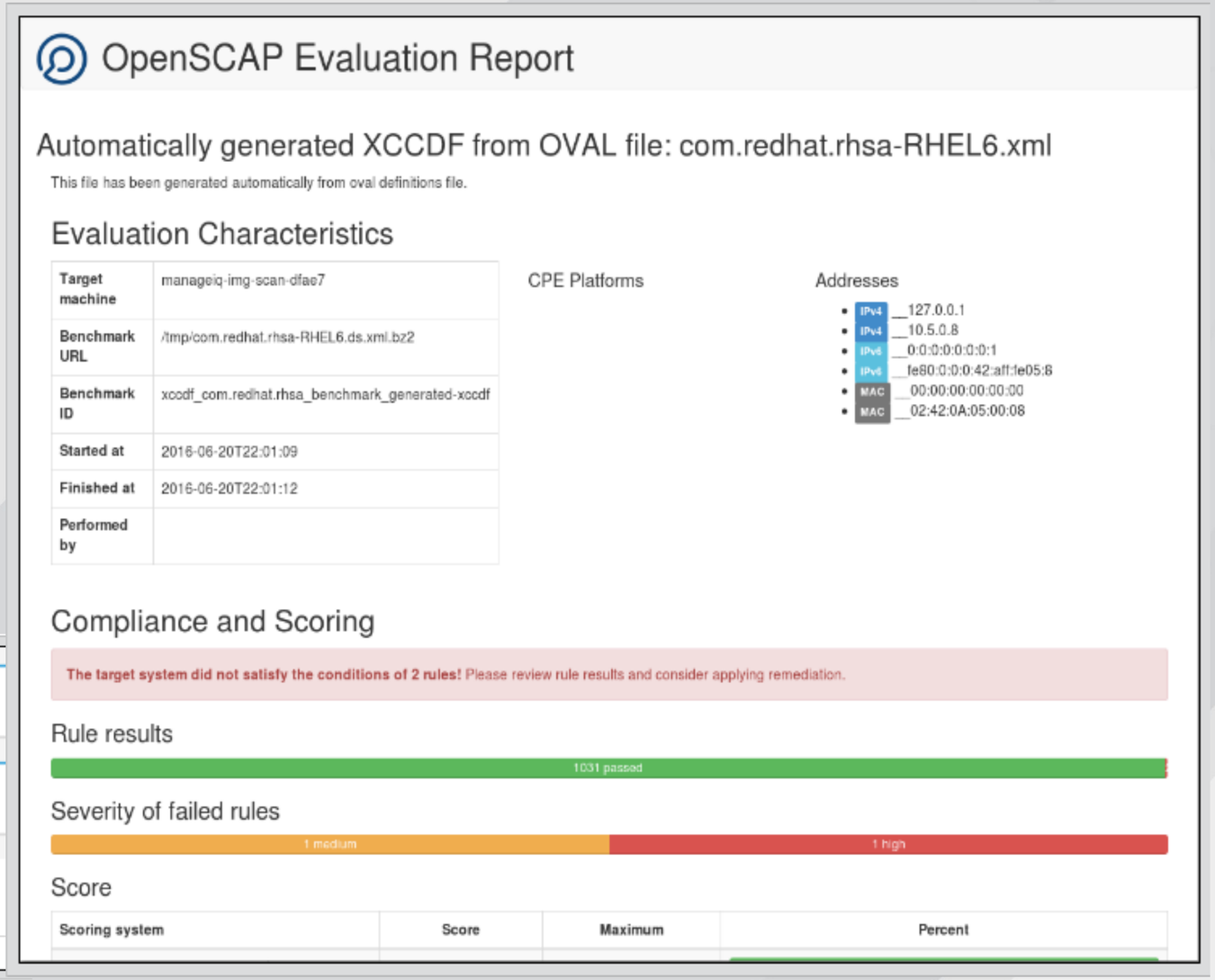




CONTAINER MANAGEMENT

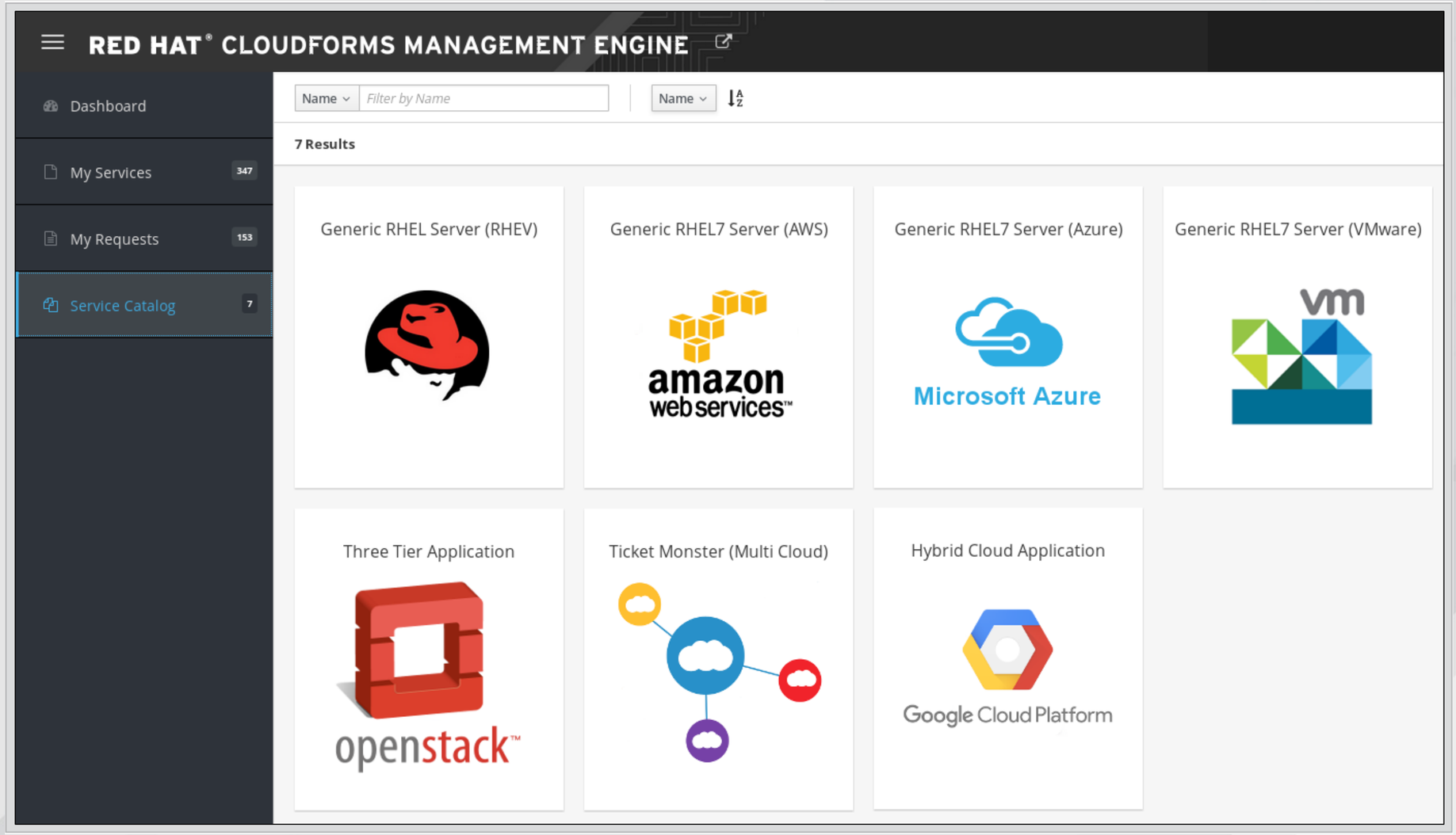
- View connections from the container all the way down throughthe underlying infrastructure in one interface.
- Apply automation rules and enforce policies for deployed containers.
- Scan containers for known vulnerabilities with OpenSCAP.





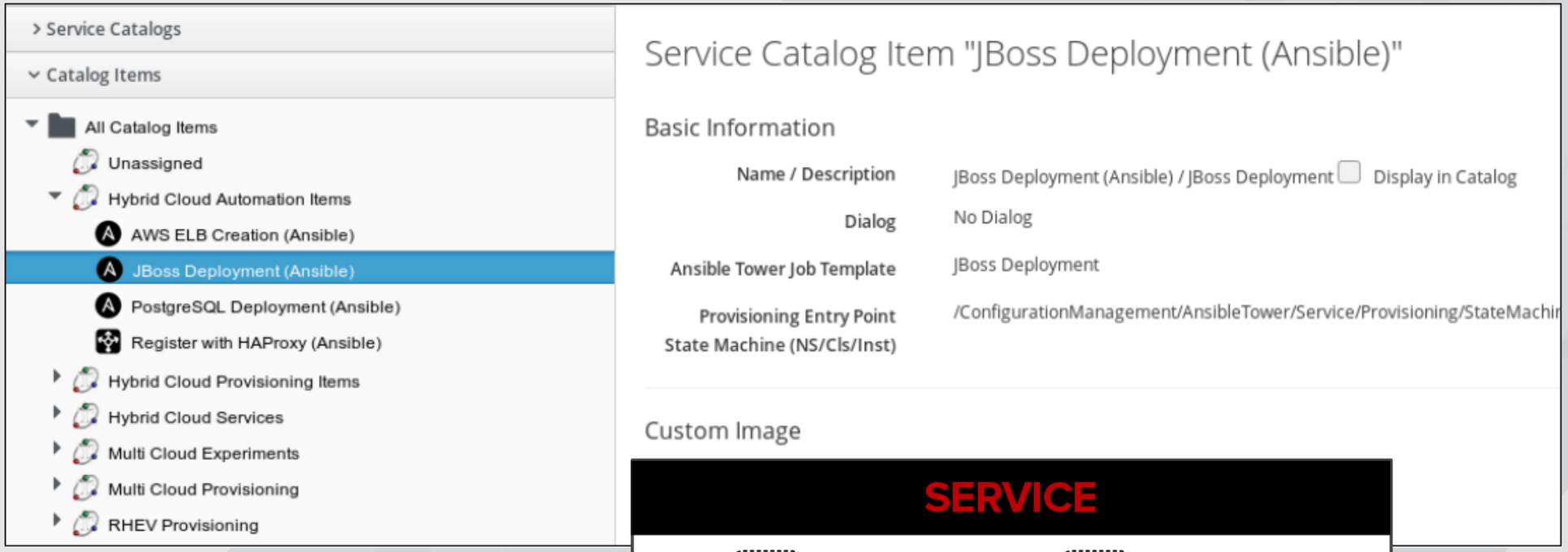
SELF-SERVICE DELIVERY

- Create service delivery catalogs for users to choose the services the services that they need to deploy.
- Shopping cart functionality allows multiple services to be requested at one time.
- Service requests can be routed for approval.



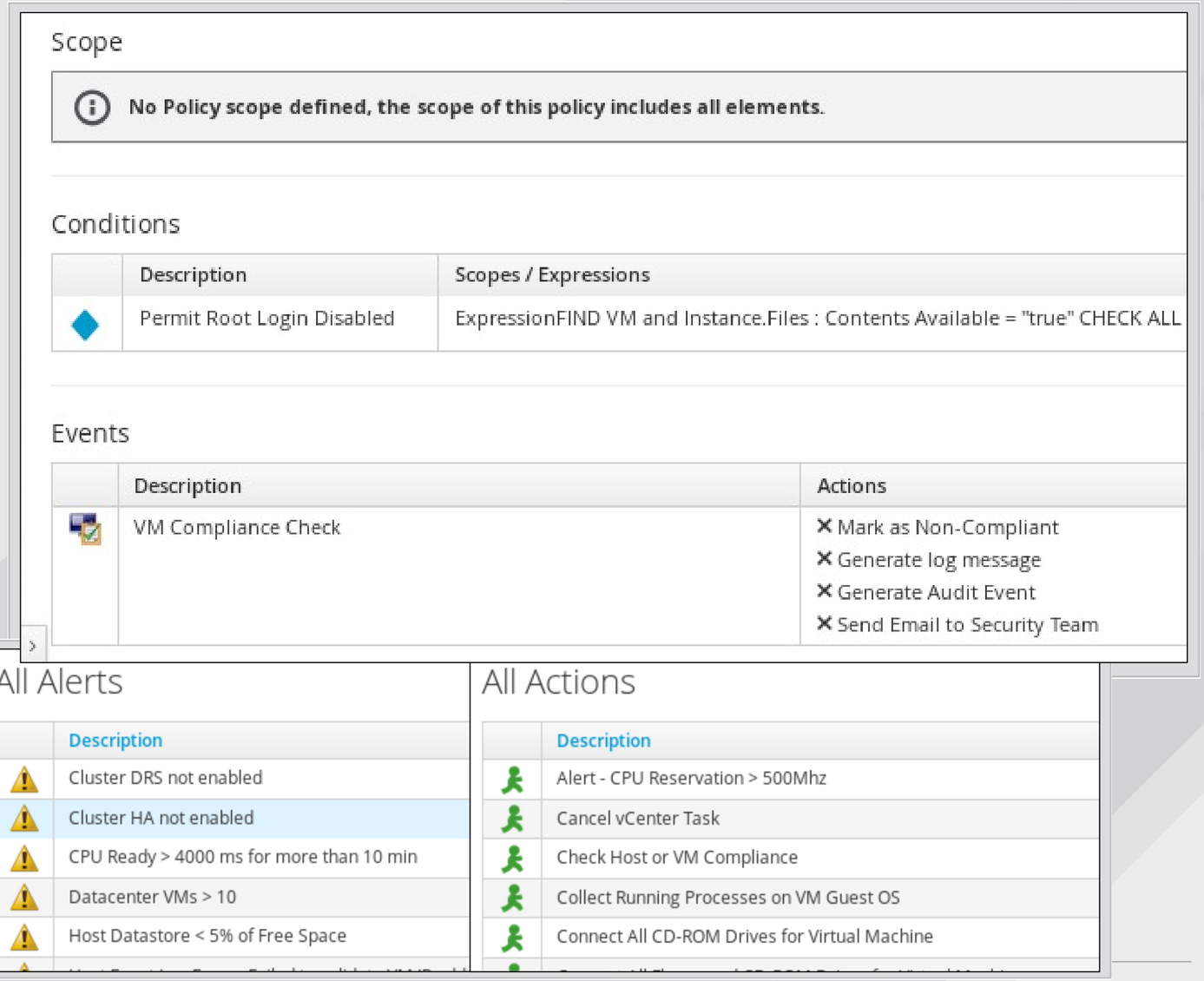
AUTOMATED PROVISIONING

- Automatically deploys and configures requested services on any infrastructure platform.
- Automation steps can be codified in Ansible playbooks or natively in CloudForms.



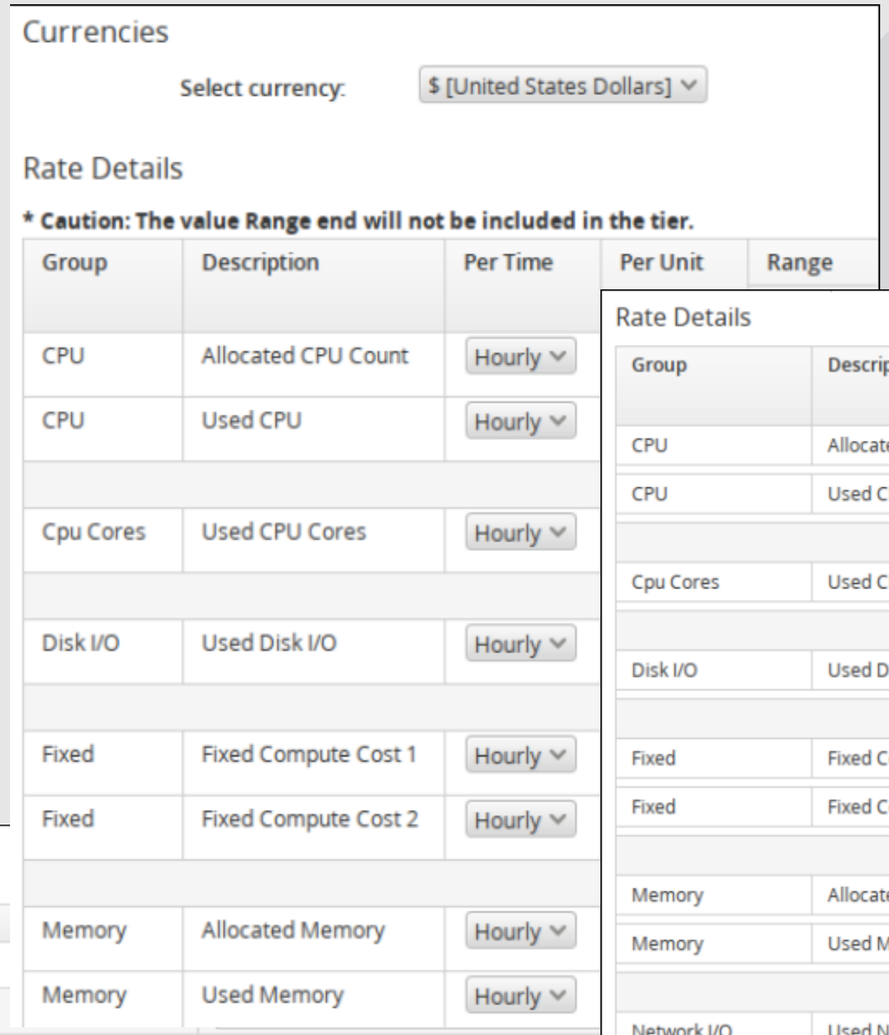
POLICY ENFORCEMENT

- Continuous discovery and deep SmartState inspection of virtual instances.
- Policy violations can raise alerts or be remediated automatically.
- Policy can be applied uniformly or based on virtual instance criteria.



QUOTAS AND CHARGEBACK

- Rate schedules per platform and per tenant with multi-tiered and multi-currency support.
- Quota set by user, role and tenant and apply to compute, memory and storage resources.



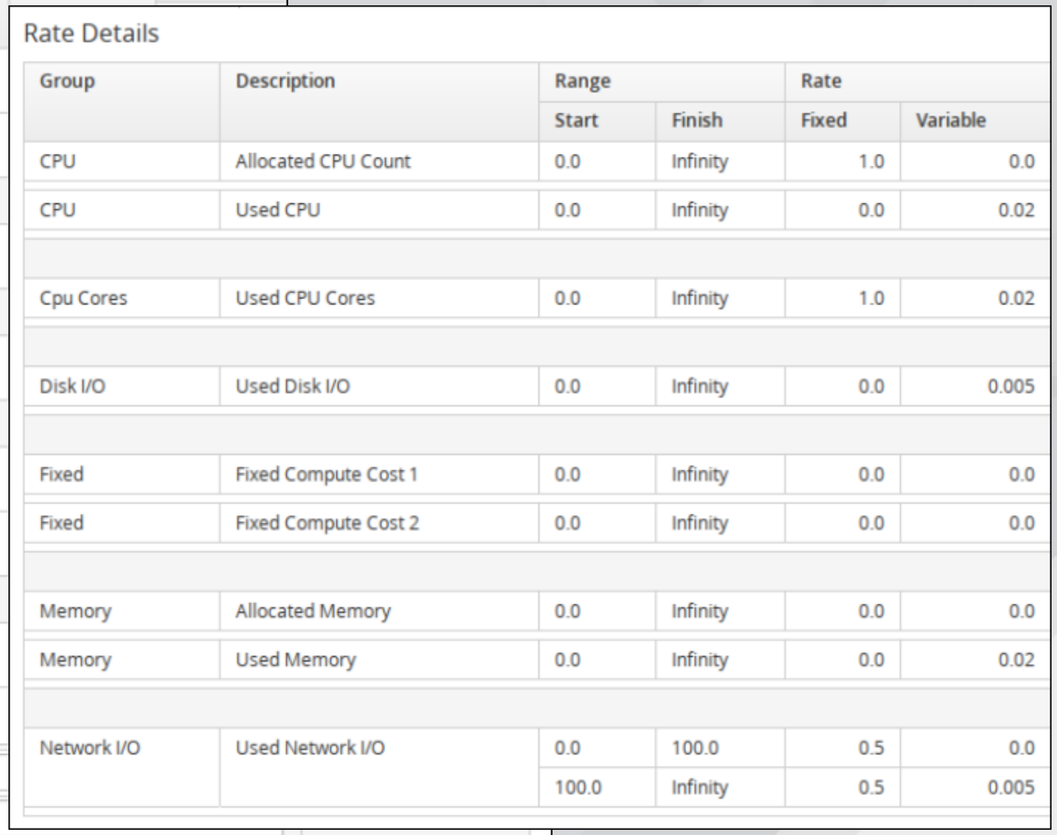
Currencies

Select currency: $ [United States Dollars]

Rate Details

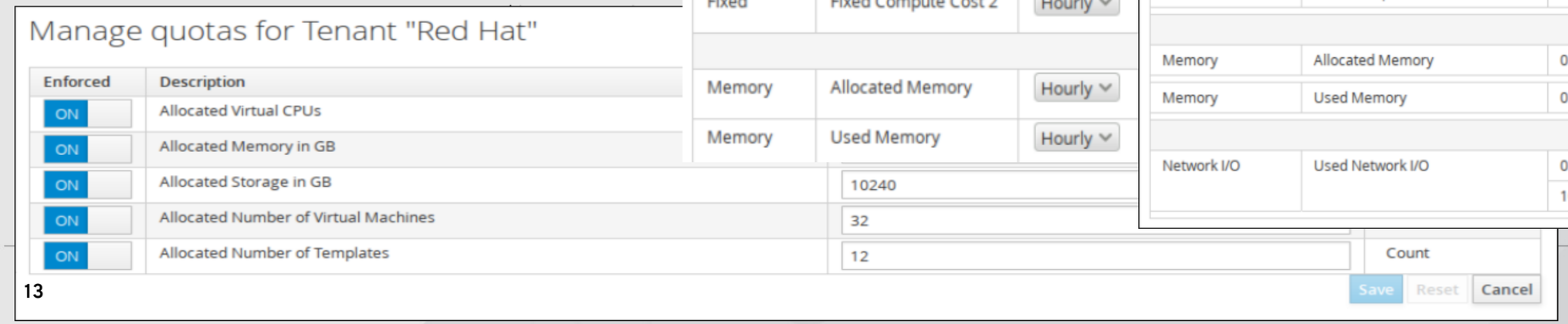
*** Caution: The value Range end will not be included in the tier.**

Group	Description	Per Time	Per Unit	Range
CPU	Allocated CPU Count	Hourly		
CPU	Used CPU	Hourly		
Cpu Cores	Used CPU Cores	Hourly		
Disk I/O	Used Disk I/O	Hourly		
Fixed	Fixed Compute Cost 1	Hourly		
Fixed	Fixed Compute Cost 2	Hourly		
Memory	Allocated Memory	Hourly		
Memory	Used Memory	Hourly		



Rate Details

Group	Description	Range		Rate	
		Start	Finish	Fixed	Variable
CPU	Allocated CPU Count	0.0	Infinity	1.0	0.0
CPU	Used CPU	0.0	Infinity	0.0	0.02
Cpu Cores	Used CPU Cores	0.0	Infinity	1.0	0.02
Disk I/O	Used Disk I/O	0.0	Infinity	0.0	0.005
Fixed	Fixed Compute Cost 1	0.0	Infinity	0.0	0.0
Fixed	Fixed Compute Cost 2	0.0	Infinity	0.0	0.0
Memory	Allocated Memory	0.0	Infinity	0.0	0.0
Memory	Used Memory	0.0	Infinity	0.0	0.02
Network I/O	Used Network I/O	0.0	100.0	0.5	0.0
		100.0	Infinity	0.5	0.005



Manage quotas for Tenant "Red Hat"

Enforced	Description		
ON	Allocated Virtual CPUs		
ON	Allocated Memory in GB		
ON	Allocated Storage in GB	10240	
ON	Allocated Number of Virtual Machines	32	
ON	Allocated Number of Templates	12	Count

Save Reset Cancel

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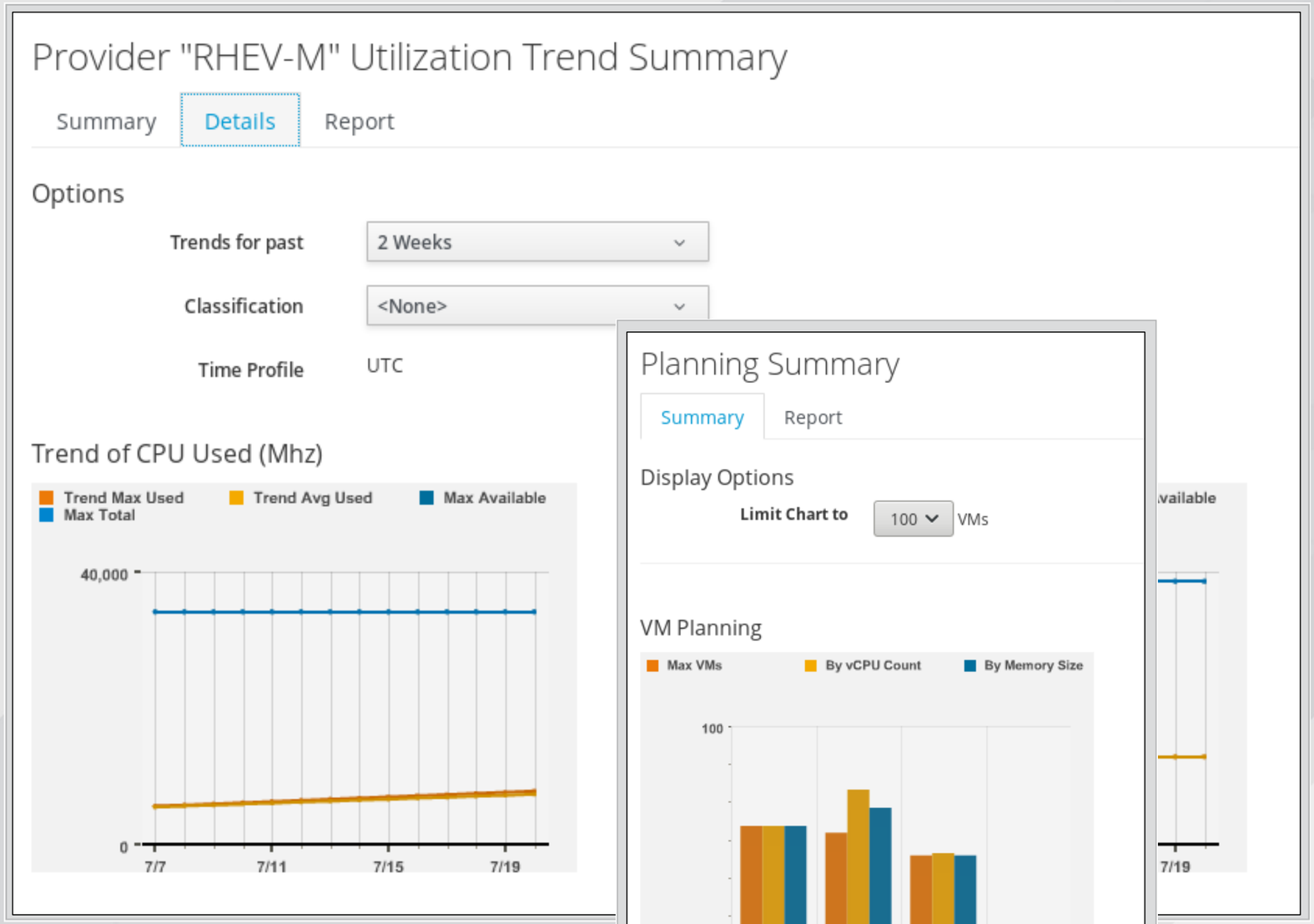
PERFORMANCE AND CAPACITY MANAGEMENT

- Resource utilization tracking and right-size recommendations.
- Projection and “what if” tools aid in future planning.



WHY CLOUDFORMS?

- **INTEGRATED VIRTUAL APPLIANCE** provides both automation and insight, speeding installation and easing version to version upgrades
- **AGENTLESS SCANNING** with deep inspection of managed environments provides insights for policy and automation
- **CONTINUOUS MONITORING** and optimization maximizes resource utilization and aids in capacity planning
- **OPEN, FLEXIBLE INTEGRATION** makes it easier to automate every step in complicated IT processes

Dziękuję

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jacek@redhat.com