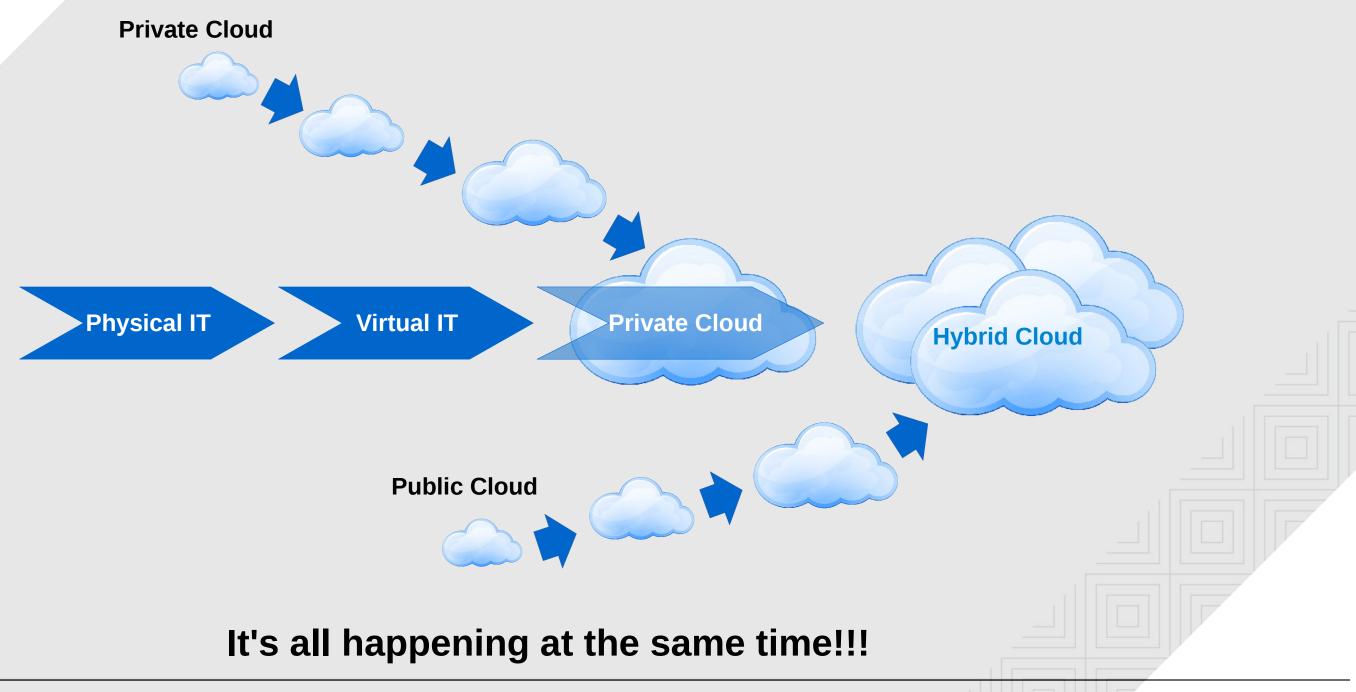


Industry Trend – Hybrid Cloud

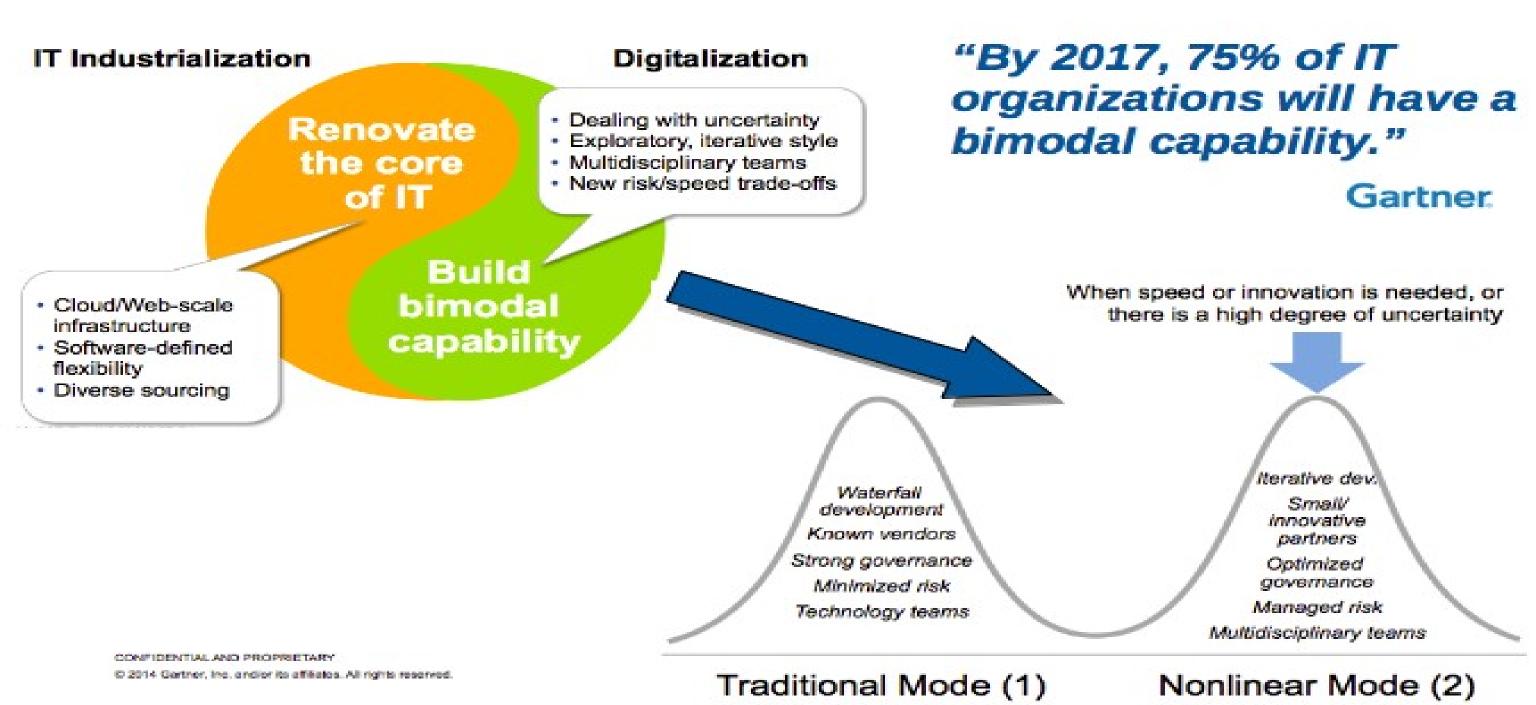
Existing IT + Private Cloud + Public Cloud = "Hybrid Cloud"







Gartner – Bi-Modal IT







IT CHALLENGES

FLEXIBILITY

- Scale-out on demand hampered by proprietary virtualization licensing
- Other solutions force single-vendor stack solutions, requiring migration and forklift
- Public cloud like future based on open source technology, enables economics of scale-out

MANAGEMENT

- VM sprawl and management sprawl
- Multiple panes of glass with no central governance
- Demands for self service must balance with policy and security
- Orchestration of complex and repeatable tasks
- Discovery and monitoring of disparate systems

WORKLOADS

- Legacy workloads require traditional datacenter virtualization
- New cloud enabled workloads need flexible scale-out, fault tolerant infrastructure
- Management tools must deal with both use cases
- Solutions must deal with a long term migration from one type to another





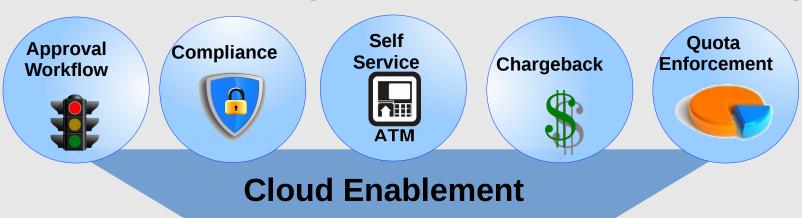






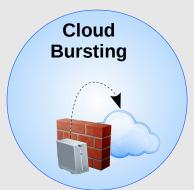
RED HAT CLOUDFORMS

Cloud Enablement *Integrated with* Infrastructure Management





Policies Tagging



Infrastructure Management















CLOUDFORMS

Built for Enterprise Scale Cloud Operations Management

AGENT-FREE, VIRTUAL APPLIANCE ARCHITECTURE



Rapid deployment, non-invasive (Industry Standard OVF)

HORIZONTALLY SCALABLE



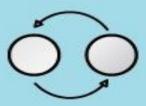
Highly scalable, load balancing

WEB-BASED OPERATIONS, ADMIN AND SELF-SERVICE



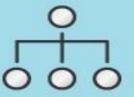
Access anywhere from any browser

LOAD BALANCING, FAILOVER/BACK



Provides reliability, high availability

ENTERPRISE DIRECTORY SUPPORT



Leverage directory for authentication and role

MANAGEMENT ACROSS MULTIPLE LOCATIONS



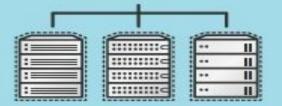
Single pane of glass, unified management

SUPPORTS MULTI-TENANCY



Securely share infrastructure

MANAGEMENT ACROSS VIRTUAL PLATFORMS & PUBLIC CLOUDS



Single pane of glass, unified management





CLOUDFORMS Benefits

Lower Acquisition Cost

Lowest cost of leading commercial vendors

Faster Time to Cloud

Virtual Appliance, agent-free

Lower Implementation Costs

- Out-of-the-box reports, alerts, policies, integration, automation

Tool Reduction

Integrated capabilities that eliminate need for many tools

Continuous Optimization

Maximize resource efficiency

Increased Automation

Highest operational efficiency

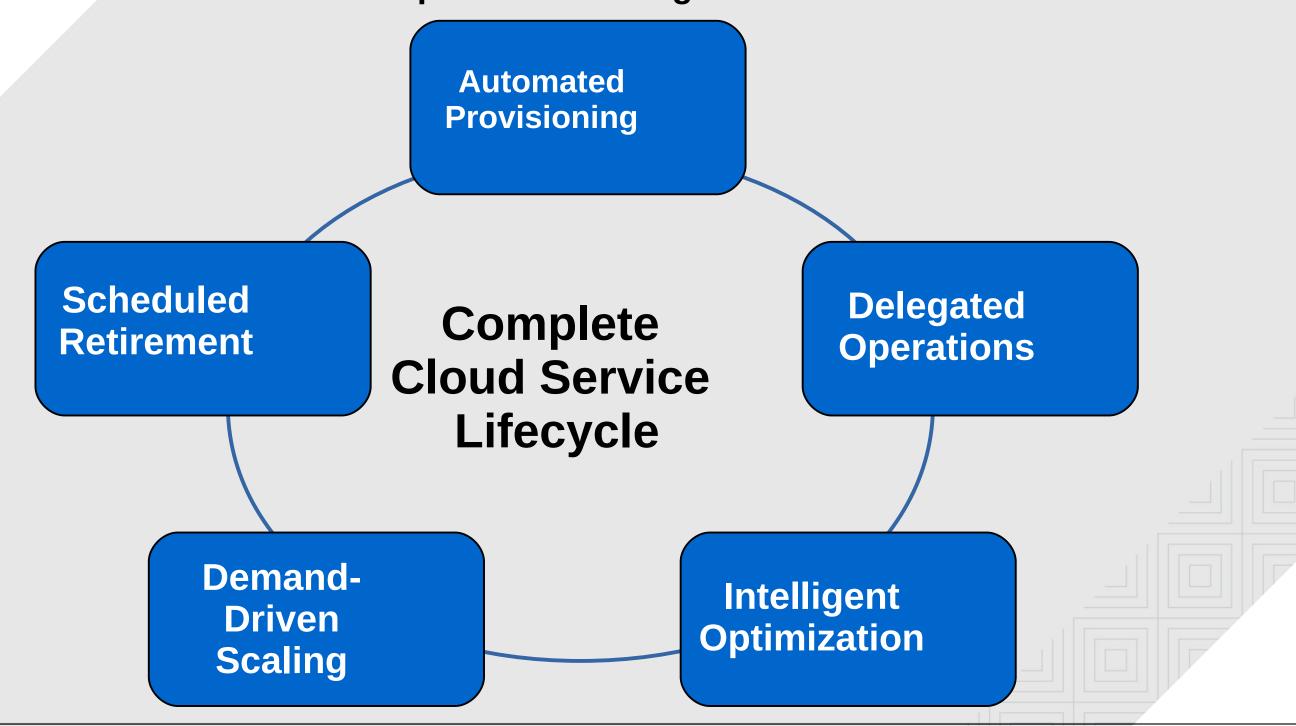
Open/Flexible

Leverage low cost virtual platforms for your cloud





CLOUDFORMS - Cloud Operations Management

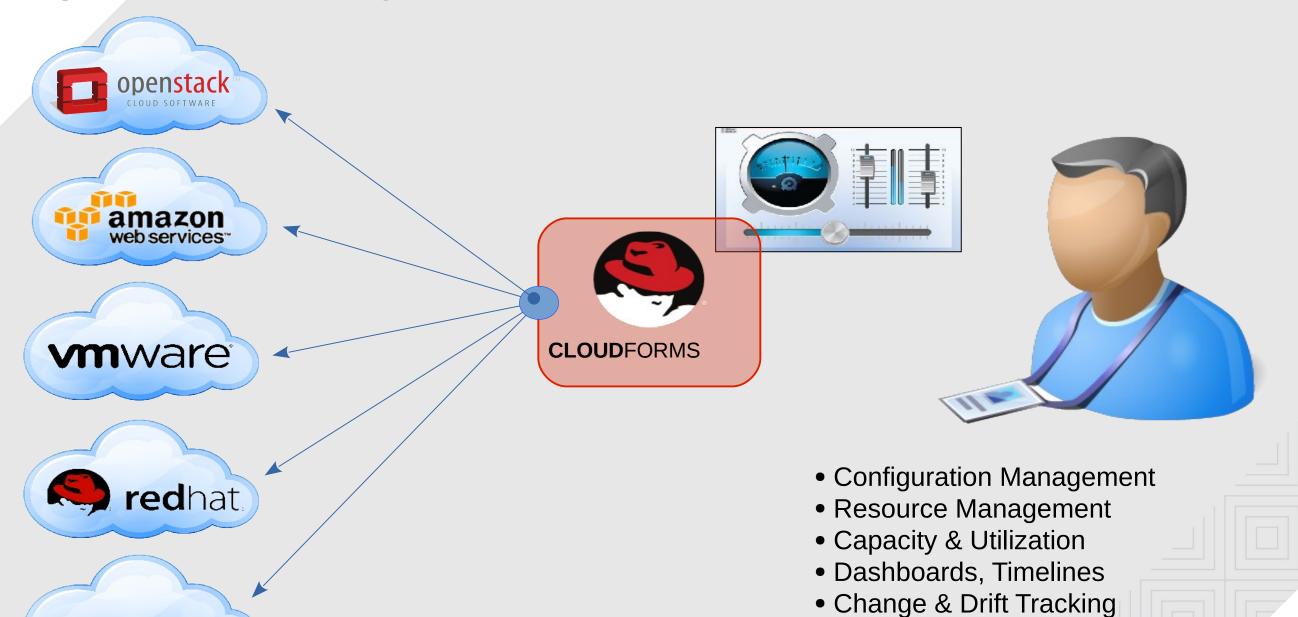






IT CLOUD MANAGEMENT

Single Pane of Glass Operations





Microsoft



IT CLOUD MANAGEMENT Integration









Enterprise Service Catalogs



Management & Reporting



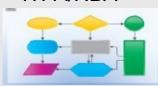
Event Consoles

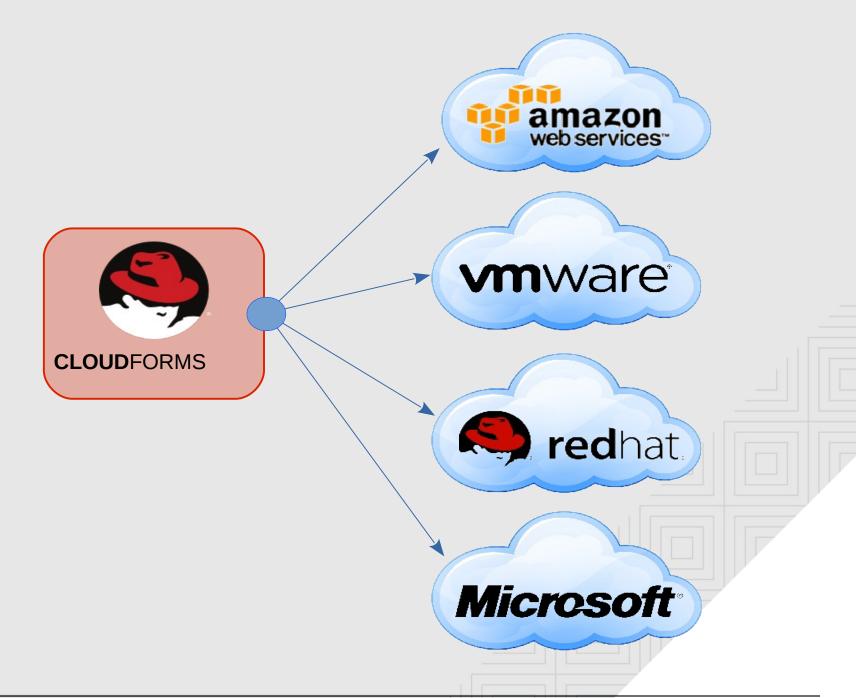


CMDB



ITPA/RBA





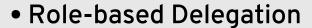




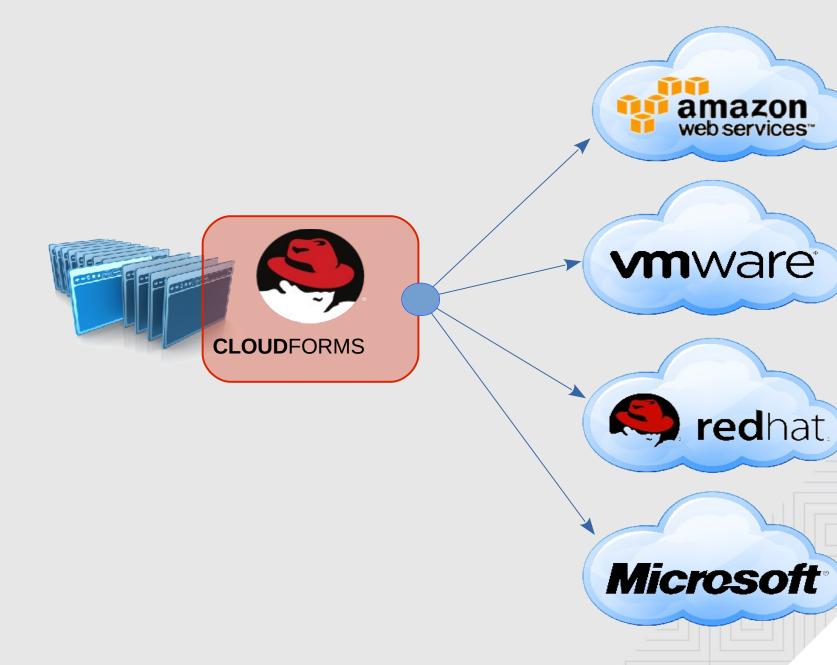
IT CLOUD MANAGEMENT

Seamless Self-Service





- Self-Service Portals
- Service Catalogs
- Automated Provisioning
- Quotas & Chargeback







IT CLOUD MANAGEMENT

Executive Management













- Multi-Tenancy
- •Financial Management
- Governance & Compliance, Security Policies
- Forecasting & Planning
- Health, Availability





Containers are about micro-services... Expect 10X scale of VMs!

And... expect them to run in VMs

(so we'll talk about managing through the layers)

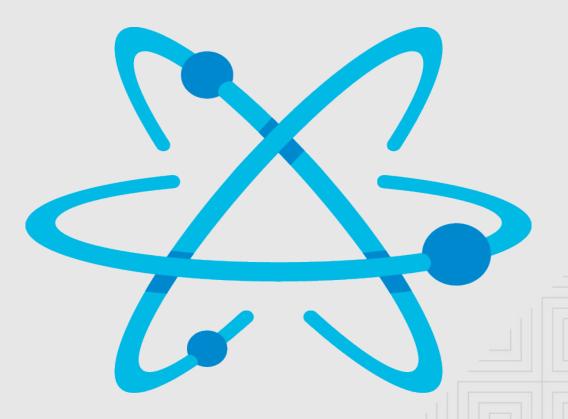






What is Atomic?

- RHEL Atomic is a variation of Red Hat Enterprise Linux 7
- Components
 - systemd
 - Kubernetes
 - Docker
 - SELinux
- JEOS for Containers
- OSTree vs. Yum / RPM
- Everything is a Container



RED HAT ATOMIC

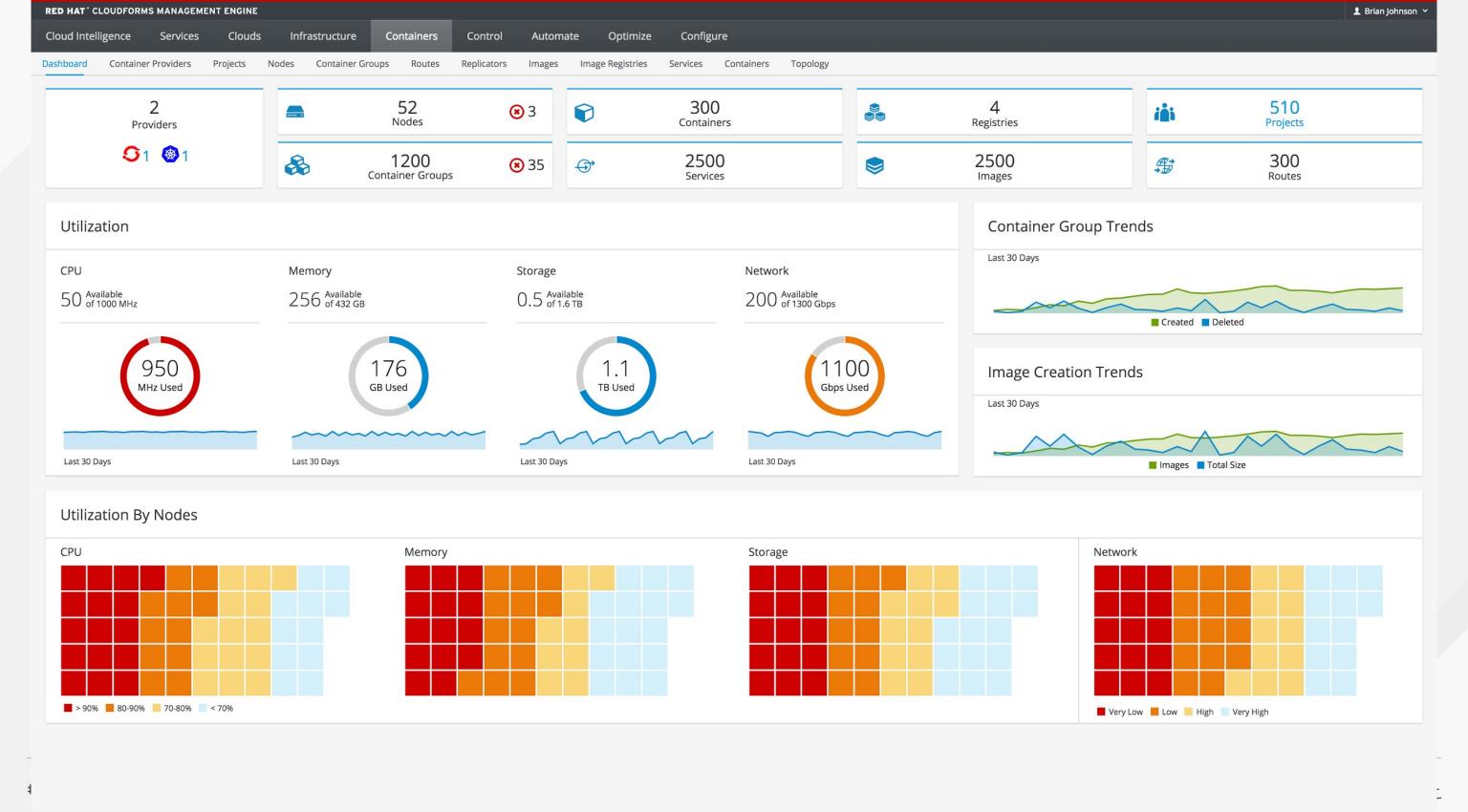


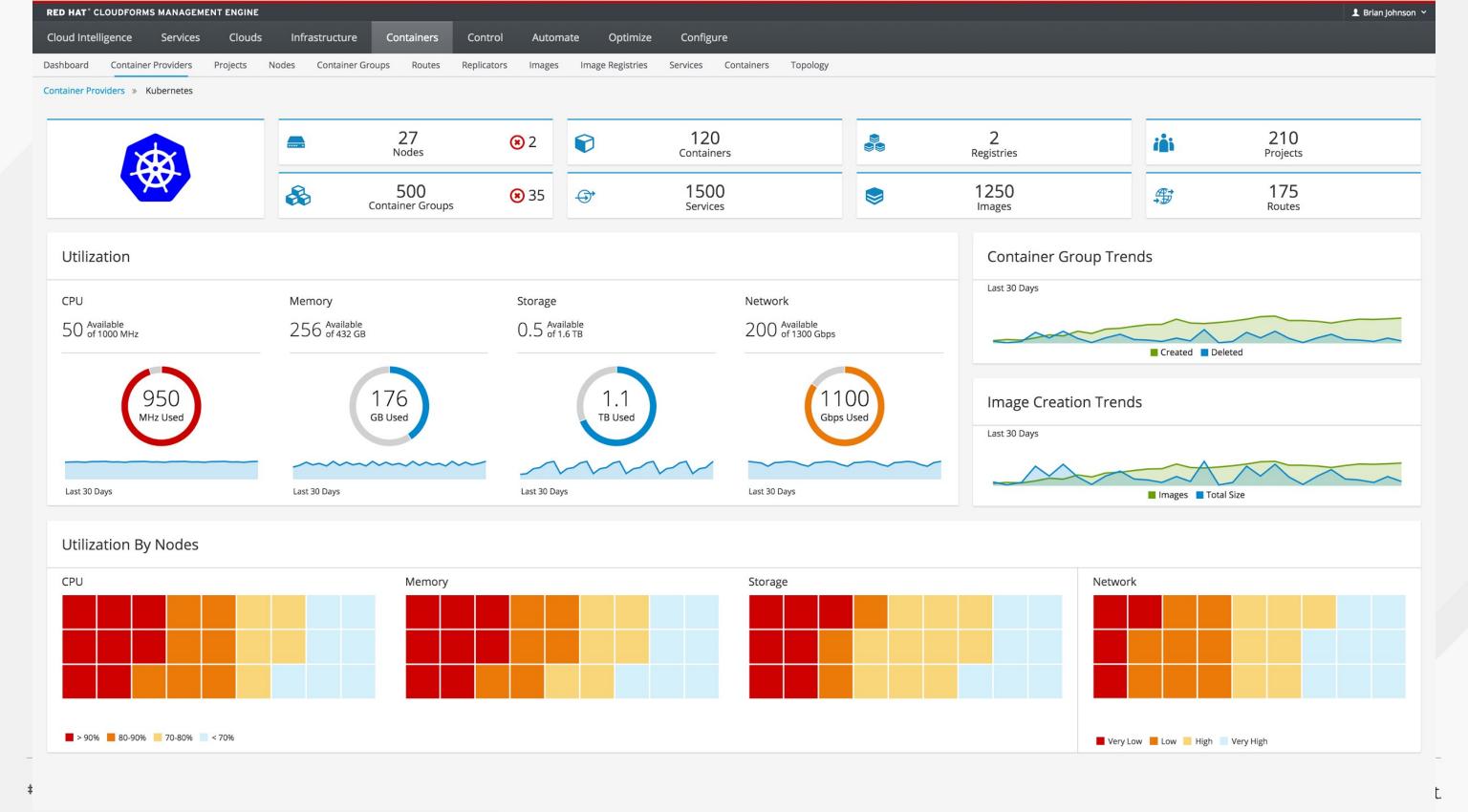


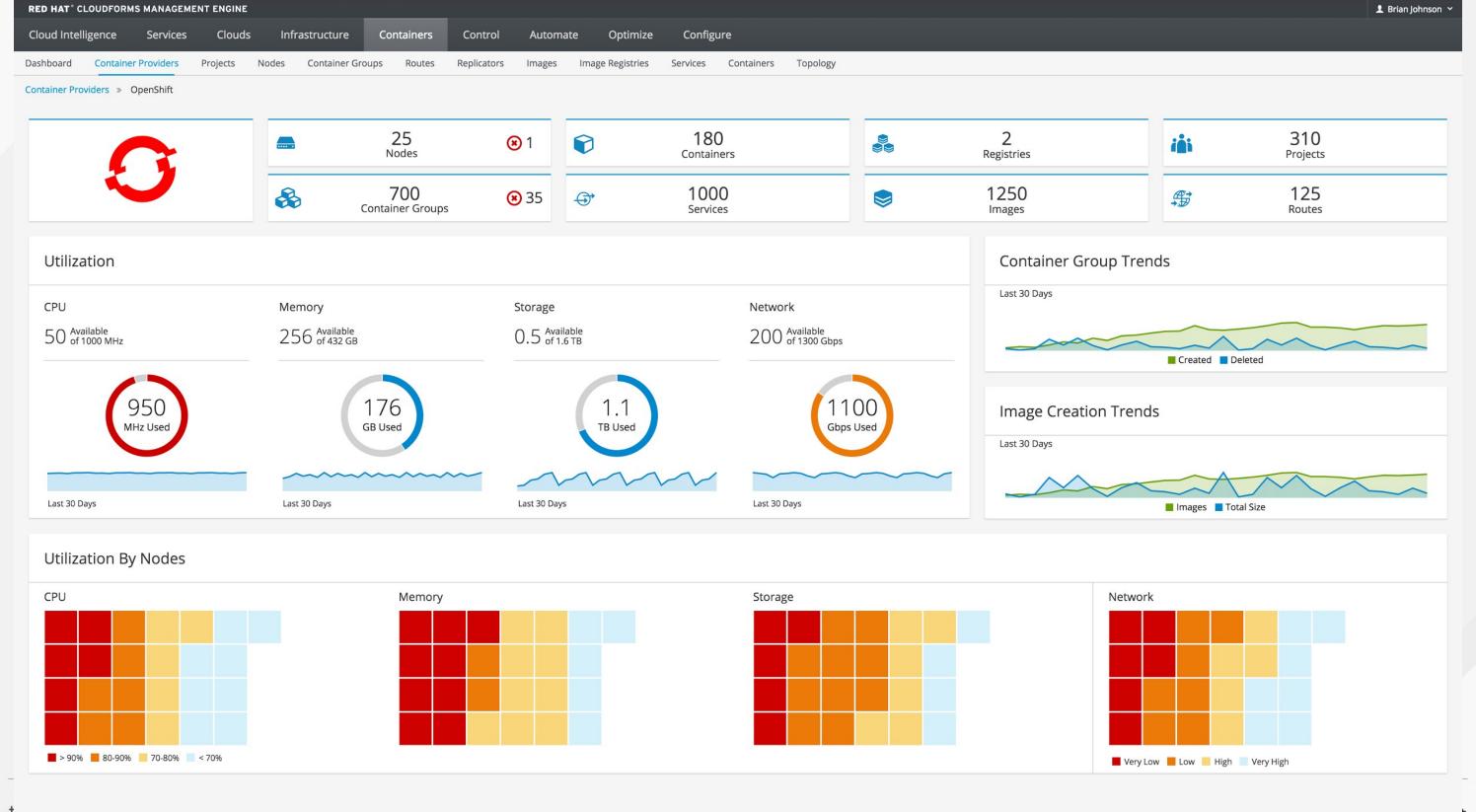
Audience	Capability	RH Atomic Enterprise Platform	OpenShift Enterprise by RH	RH Cloud Suite for Applications
Operations	Container optimized host	/	✓	✓
	Orchestration	✓	✓	✓
	Large scale deployments	/	✓	✓
	Certified ecosystem	✓	√	✓
Developers	App lifecycle management		√	✓
	Continuous integration		√	✓
	Developer tooling		√	✓
	Large scale deployments		√	✓
Enterprise Architects	VMs + Containers			✓
	Unified Management			✓
	Hybrid Cloud			✓
	Full stack, fully integrated			✓

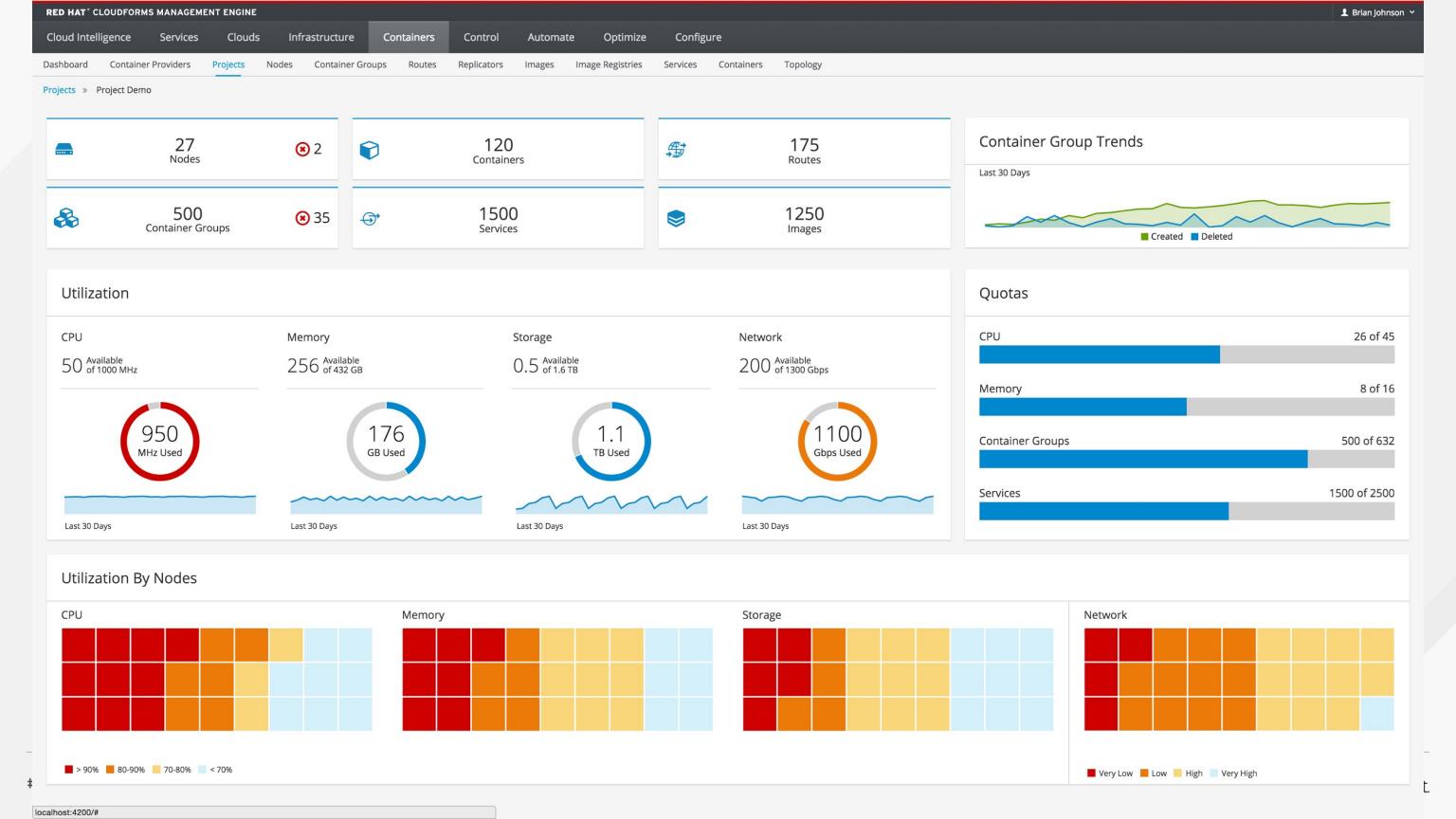




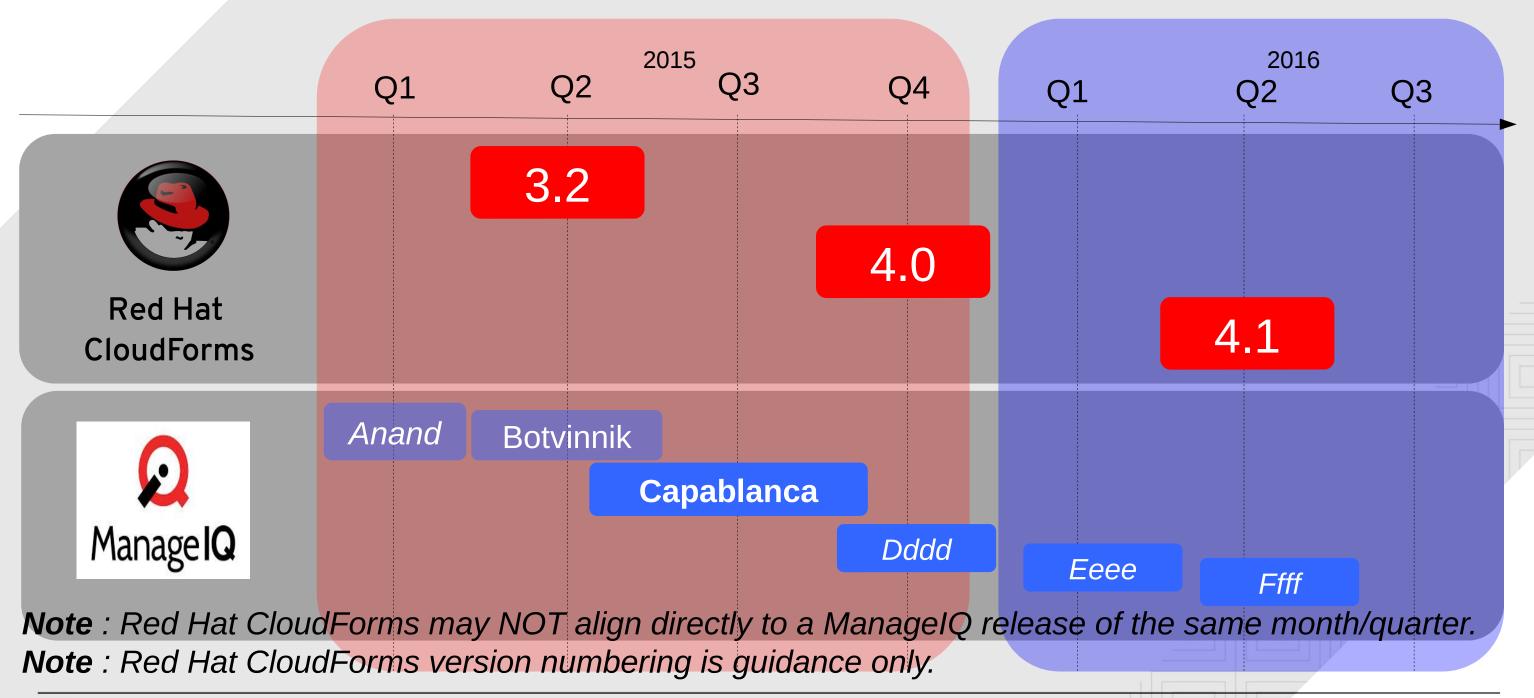








Release Schedule







Cloud of the Day



IT To The Future



Red Hat Couldforms - your solution



CloudForms with Containers



CloudForms Road-map







