OpenStack
企业就绪论坛

联合主办：

协办单位：

Red Hat - Open Hybrid Cloud

Kingsley Wood
Director Cloud Solutions, Asia Pacific
kwood@redhat.com

OpenStack
企业就绪论坛

MY BACKGROUND…

Vigor (Startup) - Rational – IBM

Designing, Building

InstallShield – Macrovision – Flexera

Deployment, Licensing, Protecting

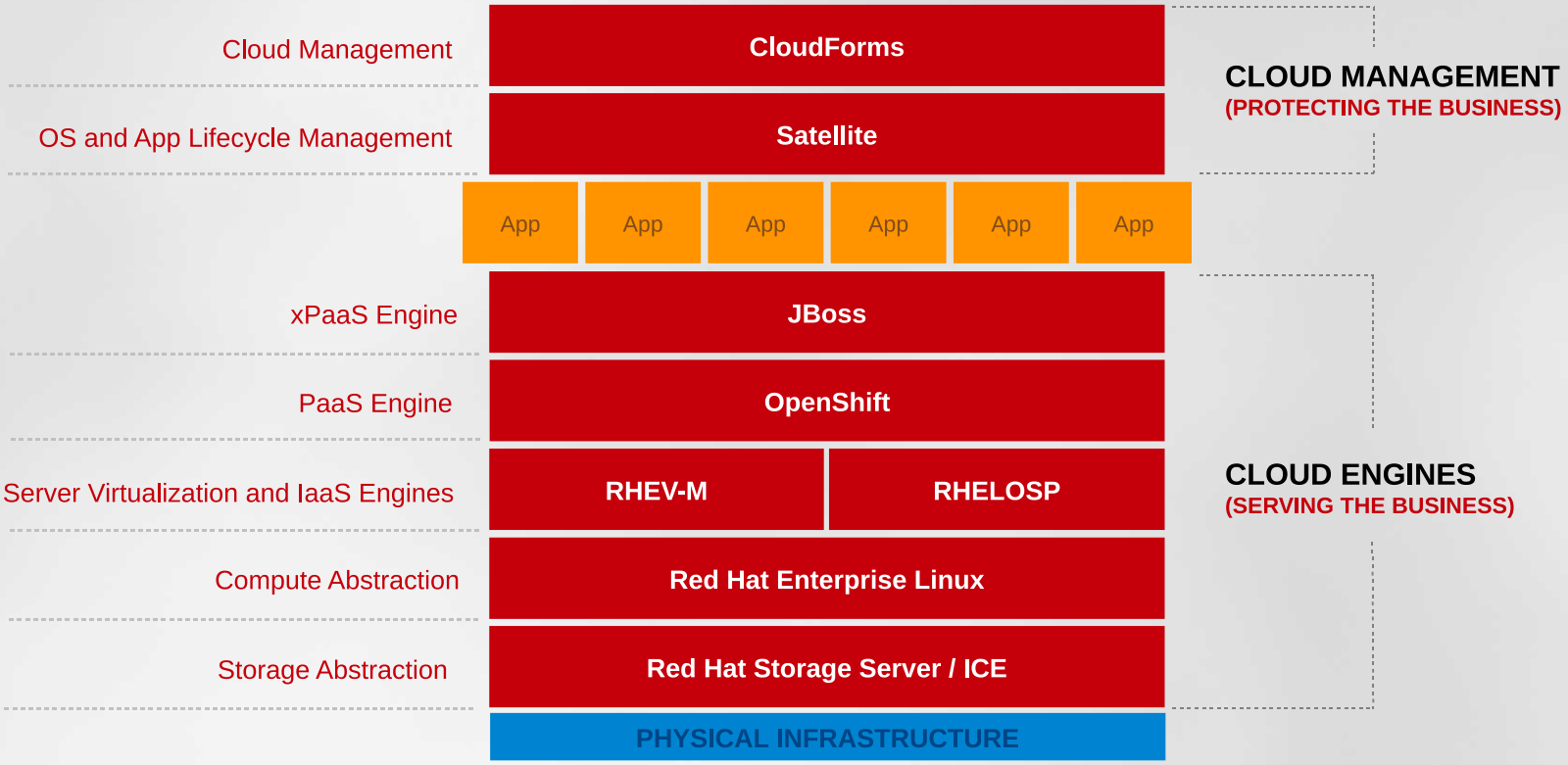
Amazon Web Services

Cloud : Mega Scaling, Accessible Anywhere

Red Hat

OpenStack
企业就绪论坛

OPEN HYBRID CLOUD

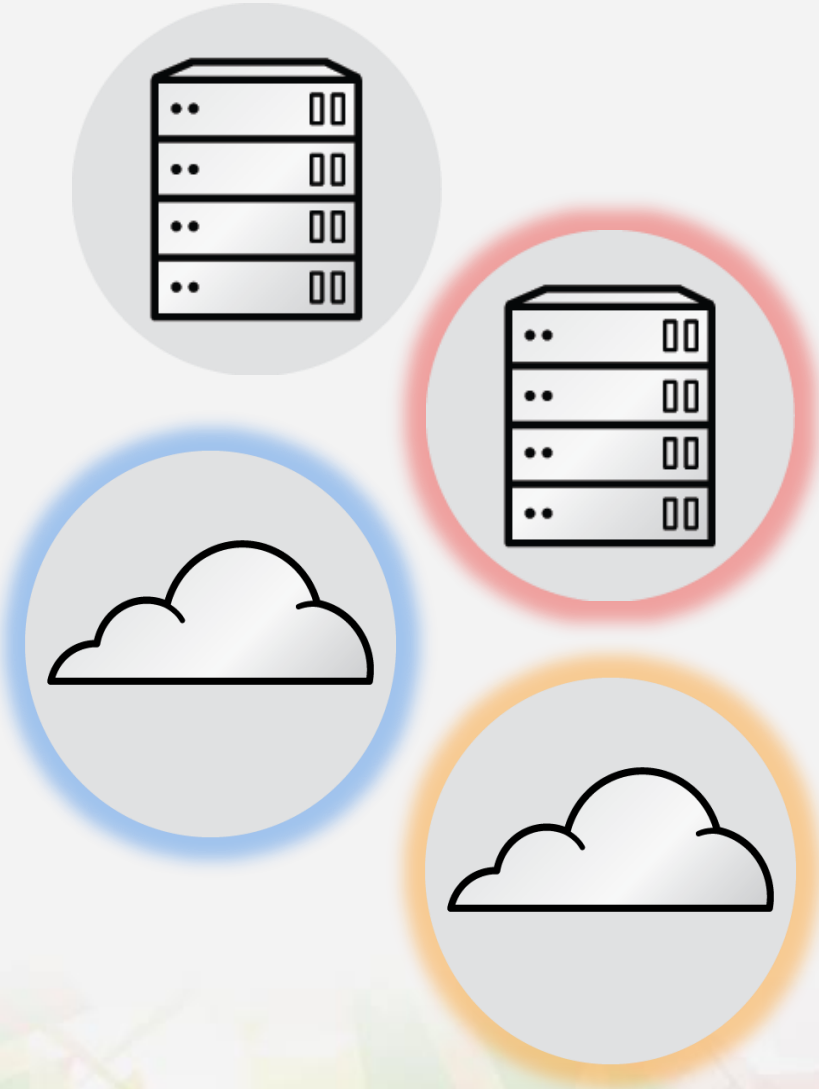


RED HAT OPEN HYBRID CLOUD

redhat.

FOUR FOOTPRINTS

1. BARE METAL
   Legacy, Specialized
2. VIRTUALIZATION
   RHEV, VMware
3. PRIVATE CLOUD
   OpenStack
4. PUBLIC CLOUD
   AWS, Google, Azure

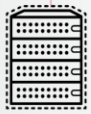


RED HAT'S EVOLUTIONARY PATH TO CLOUD

CLOUD MANAGEMENT PLATFORM

Transformation to Private Cloud

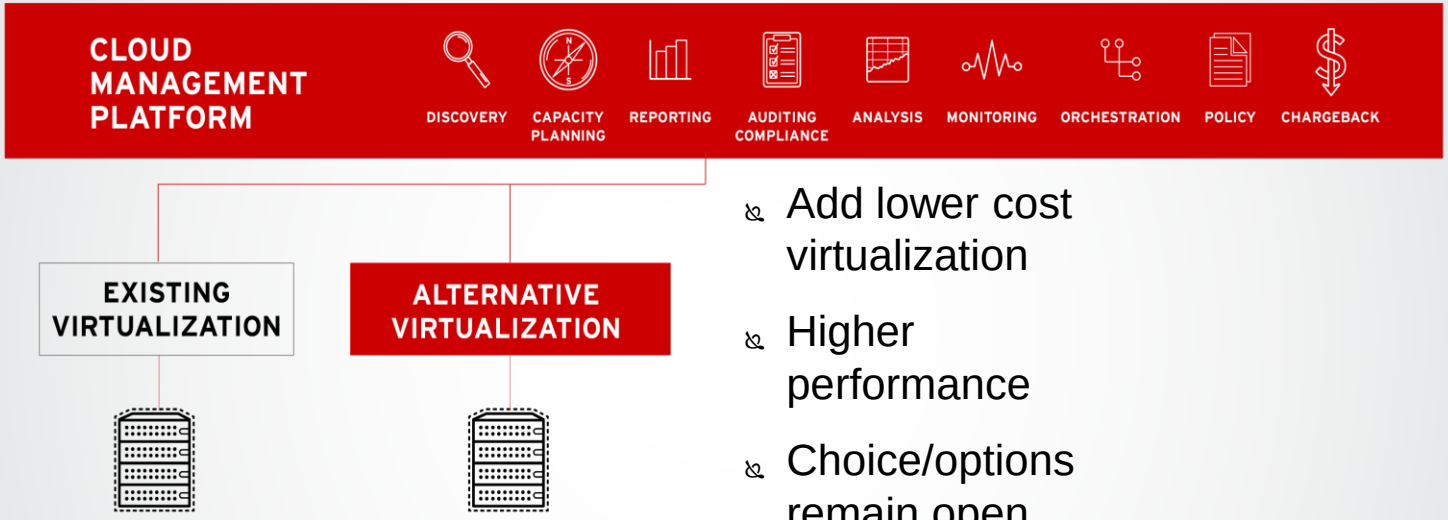
EXISTING VIRTUALIZATION



CMP Capabilities

- Self-Service Automated Provisioning
- Service Catalog
- Chargeback
- Capacity Management
- Performance Management
- Configuration & Change Management
- Life-cycle Management
- Orchestration
- External Cloud Connection

ADDITIONAL VIRTUALIZATION CAPACITY



- Add lower cost virtualization
- Higher performance
- Choice/options remain open

TRADITIONAL APPLICATIONS / WORKLOADS

Heterogeneous Virtual Platforms

OPEN, FLEXIBLE ARCHITECTURES ESSENTIAL FOR SUCCESS

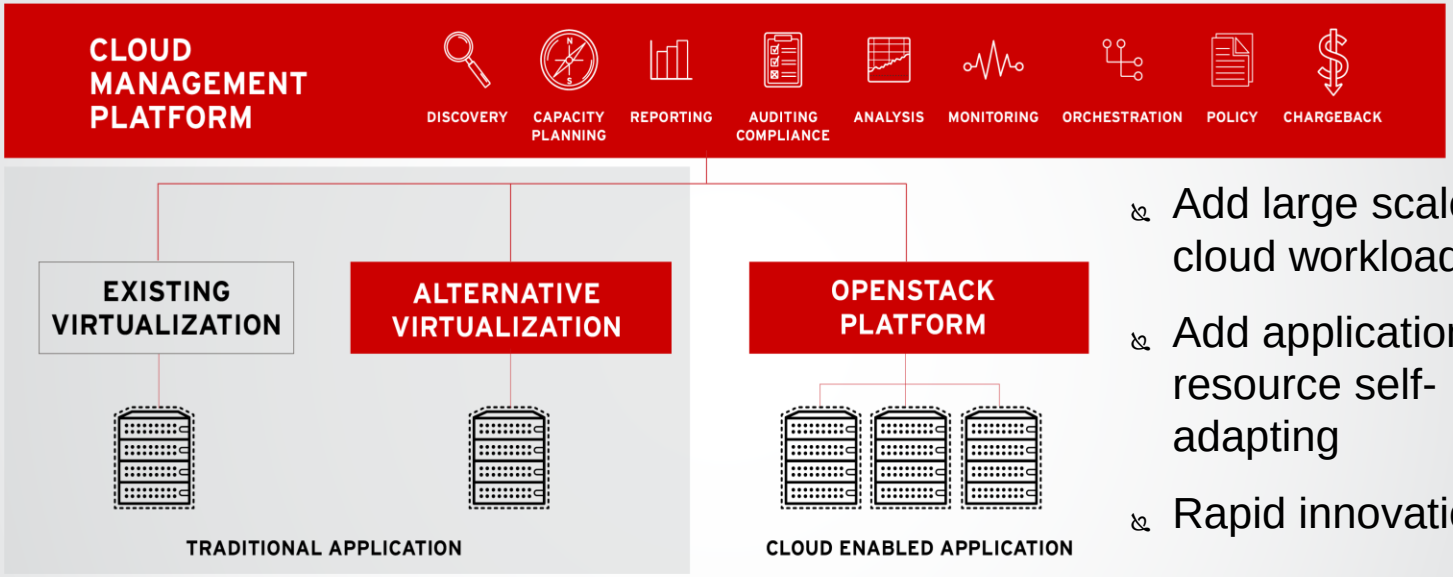
TRADITIONAL WORKLOADS

- Typically resides on a single, large VM
- Cannot tolerate any downtime
- Need $$ enterprise virtualization tools
- Application scales up, not out

CLOUD WORKLOADS

- Workload resides on multiple VMs
- Tolerates VM failure
- Fault tolerance often built into workload
- Application scales out, not up

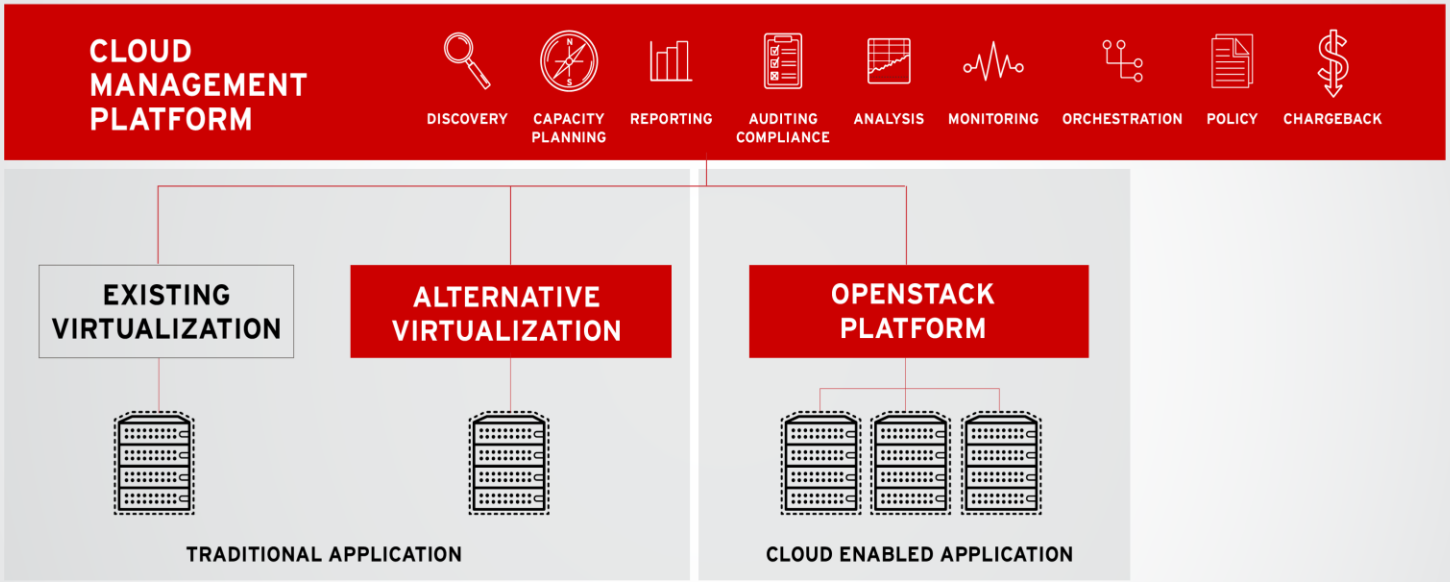
OPENSTACK



- Add large scale cloud workloads
- Add application resource self-adapting
- Rapid innovation

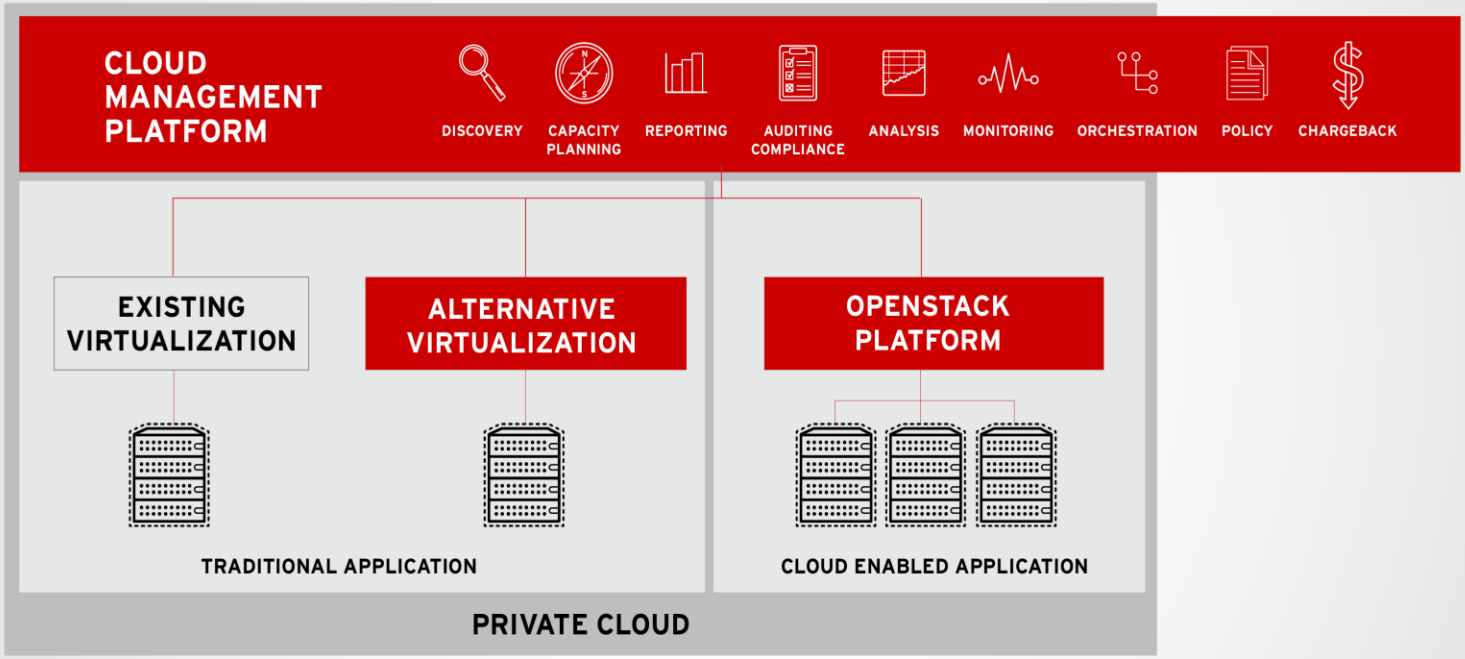
CLOUD ENABLED APPLICATIONS / WORKLOADS

OpenStack

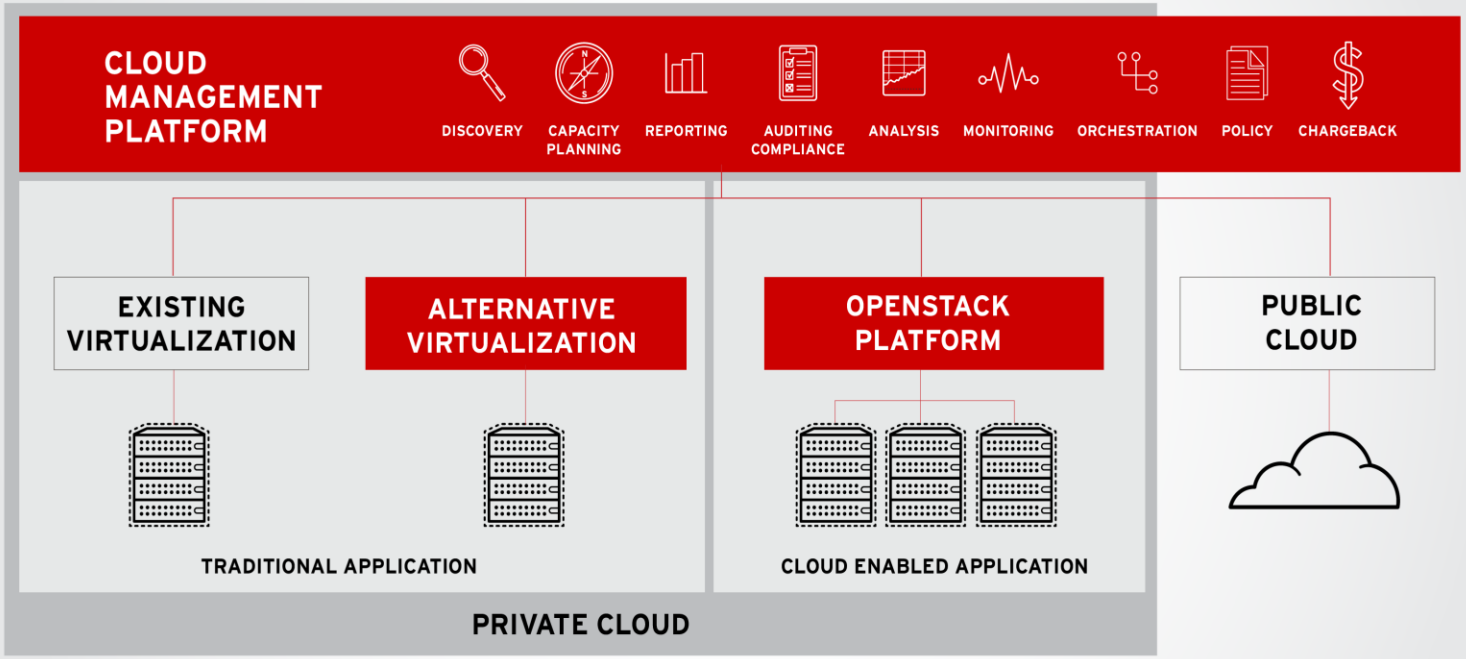


PRIVATE CLOUD

Traditional & Cloud Enabled Applications

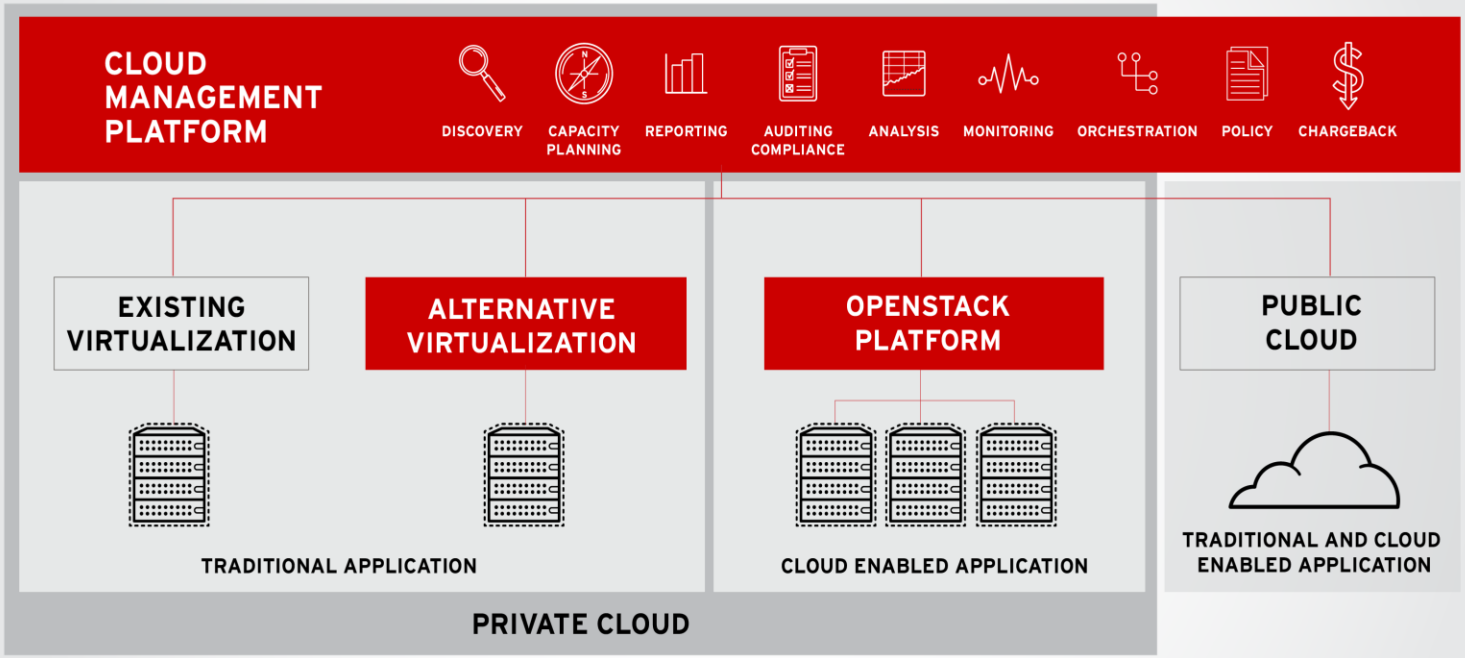


PUBLIC CLOUD CAPACITY



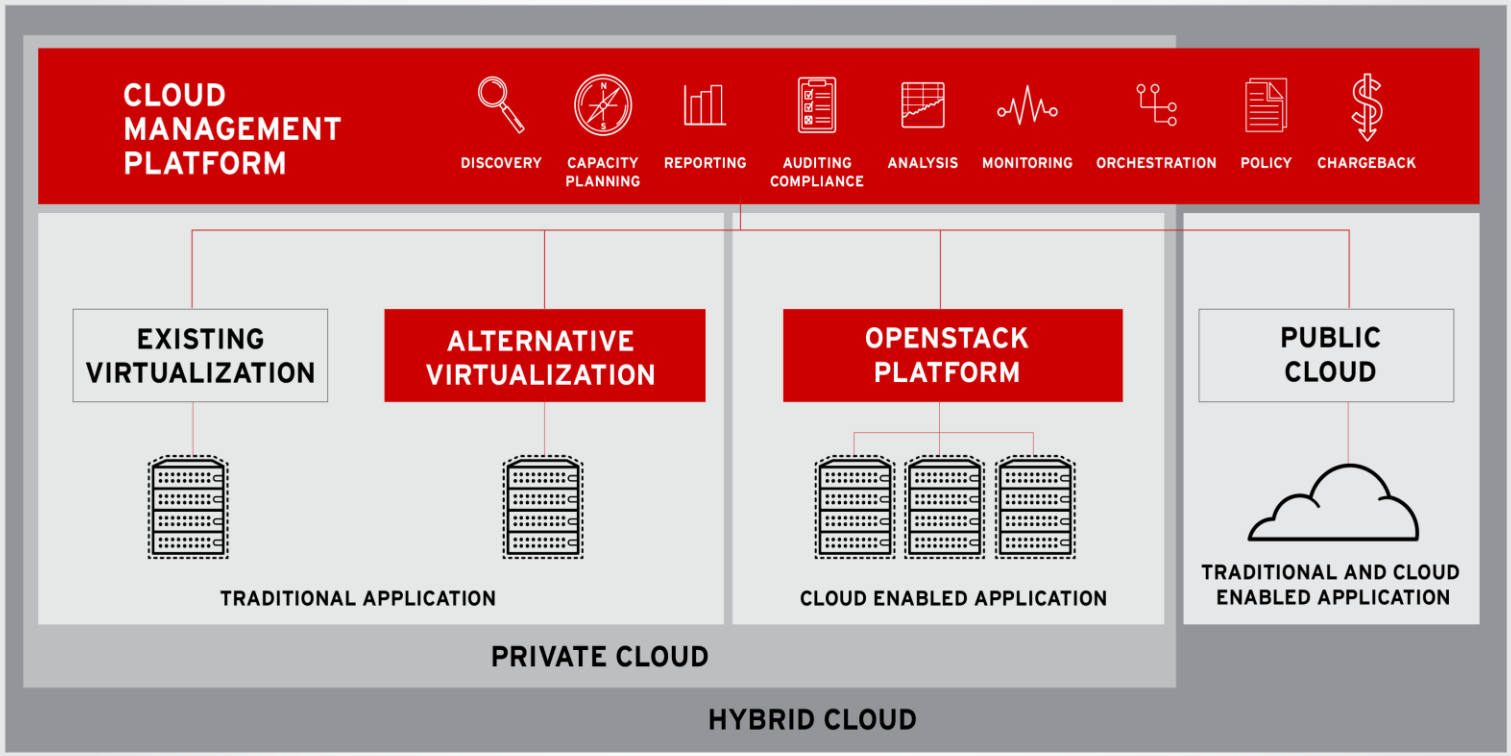
TRADITIONAL & CLOUD ENABLED APPLICATIONS

Public Cloud



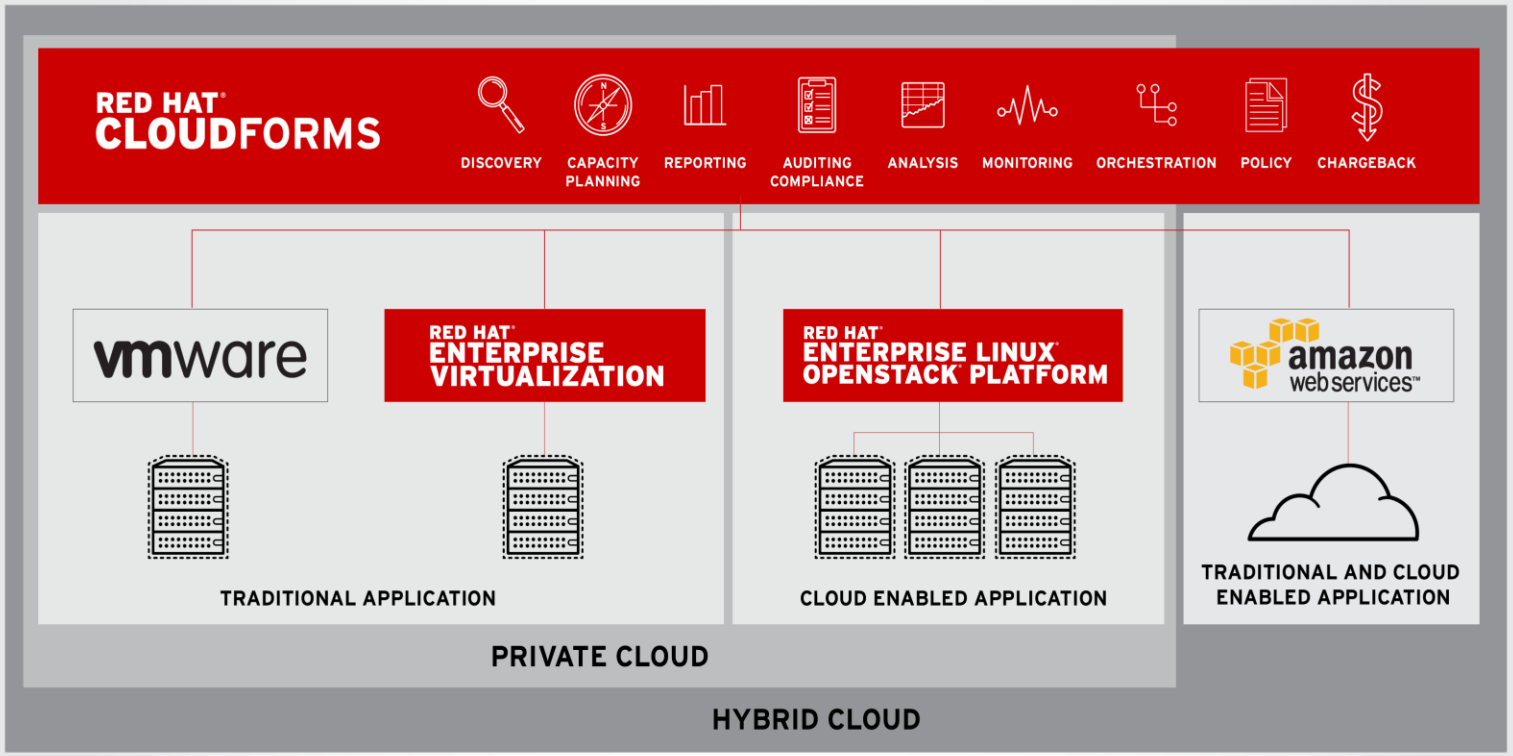
HYBRID CLOUD

Private Cloud + Public Cloud



RED HAT CLOUD INFRASTRUCTURE

Cloud Management – Alternative Virtualization – OpenStack



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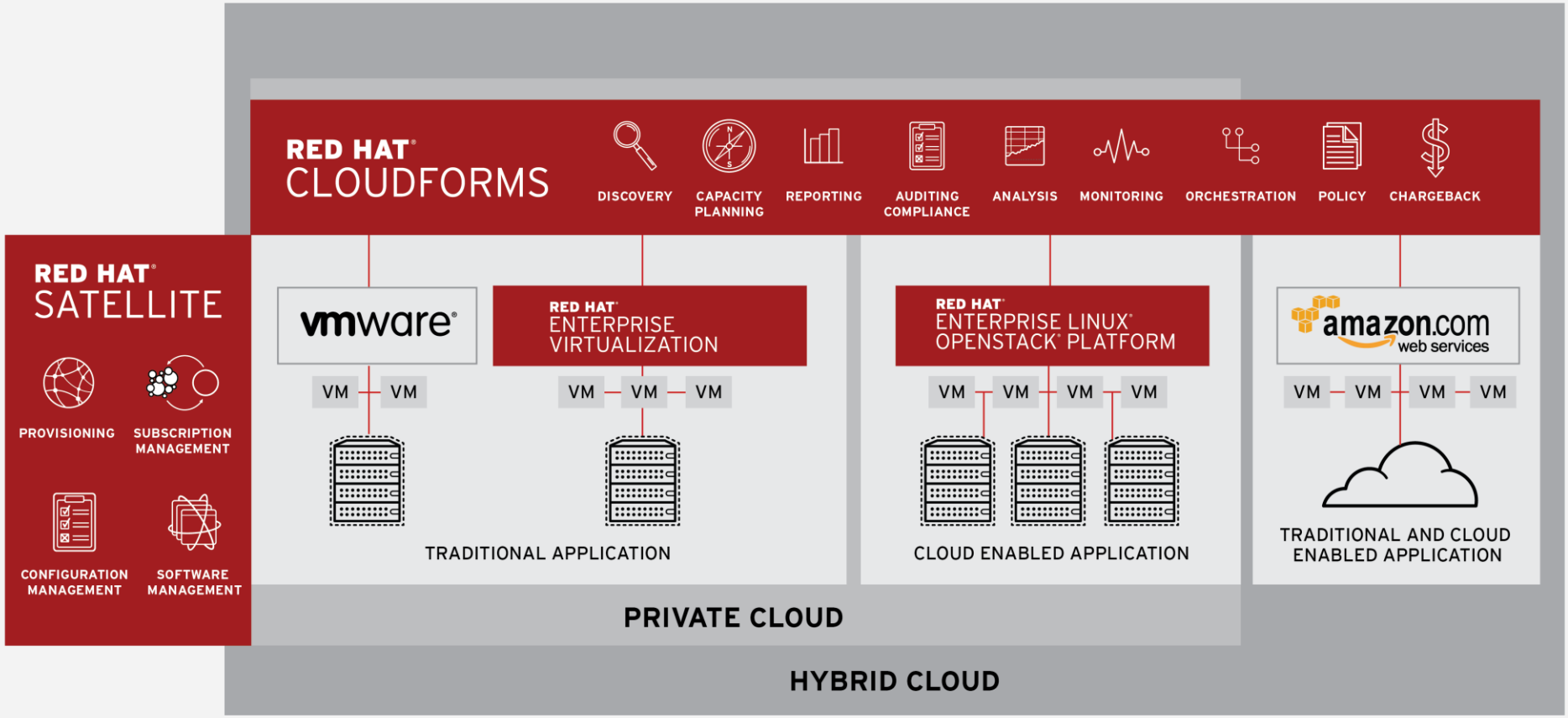
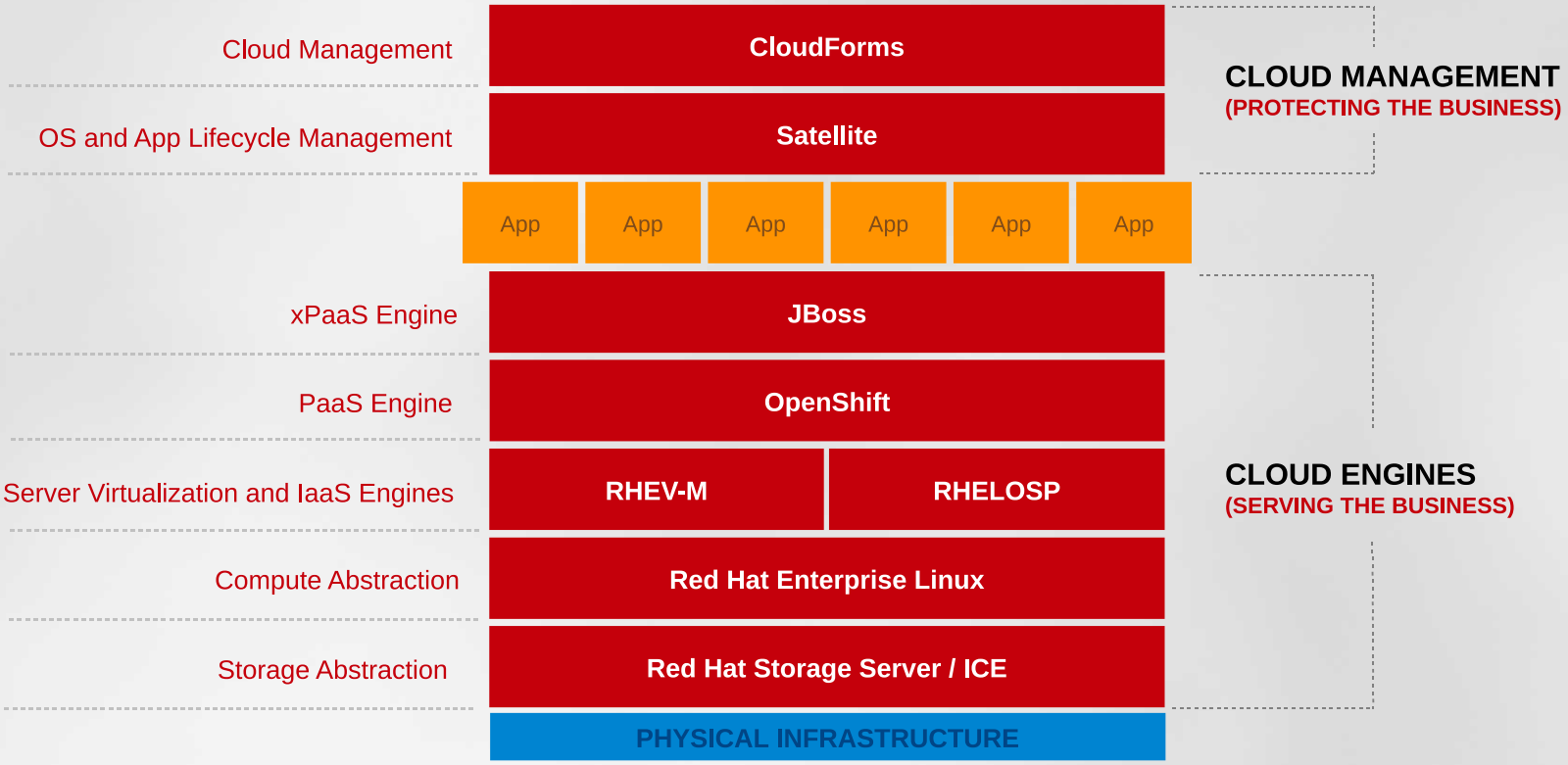
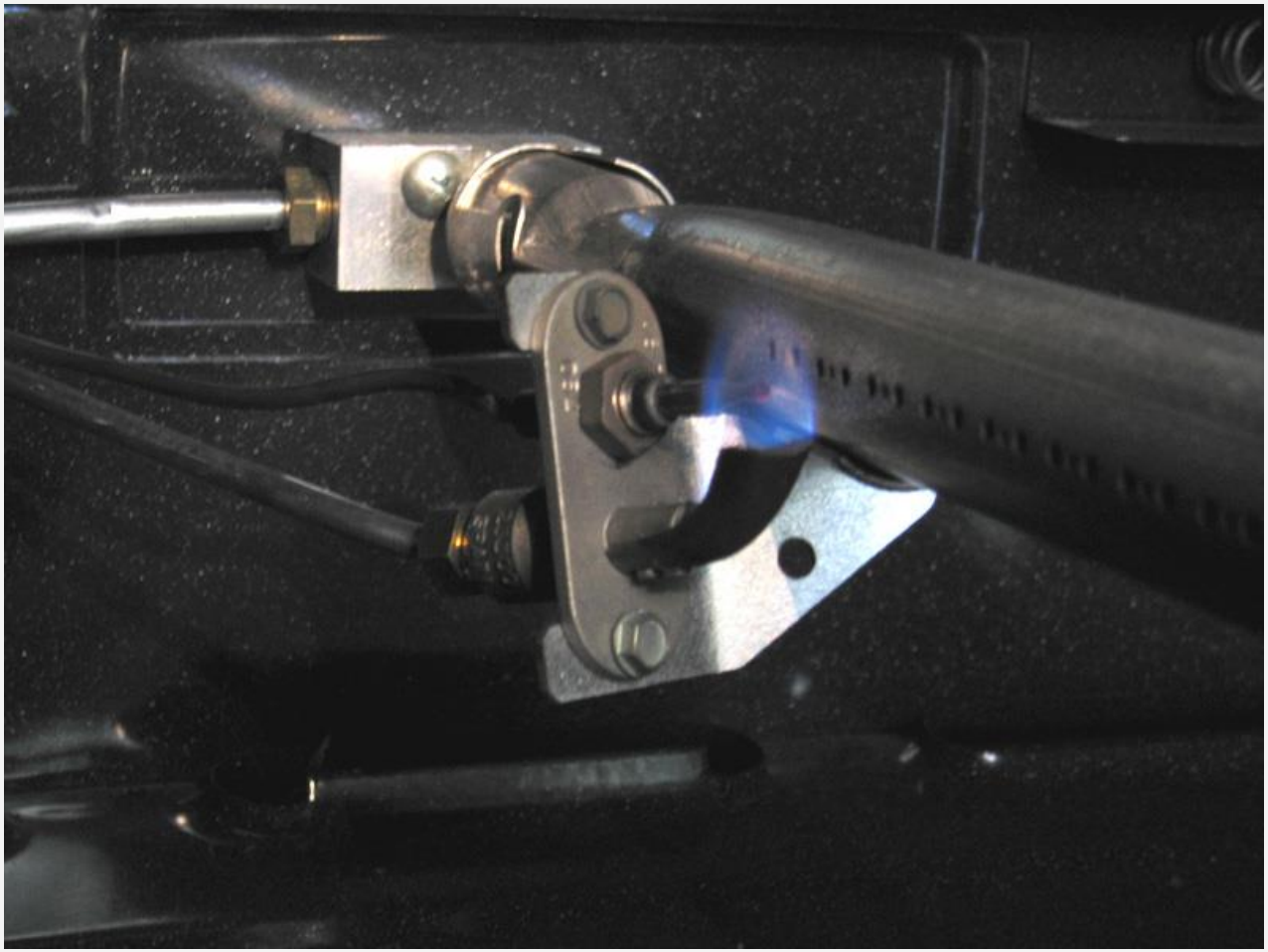




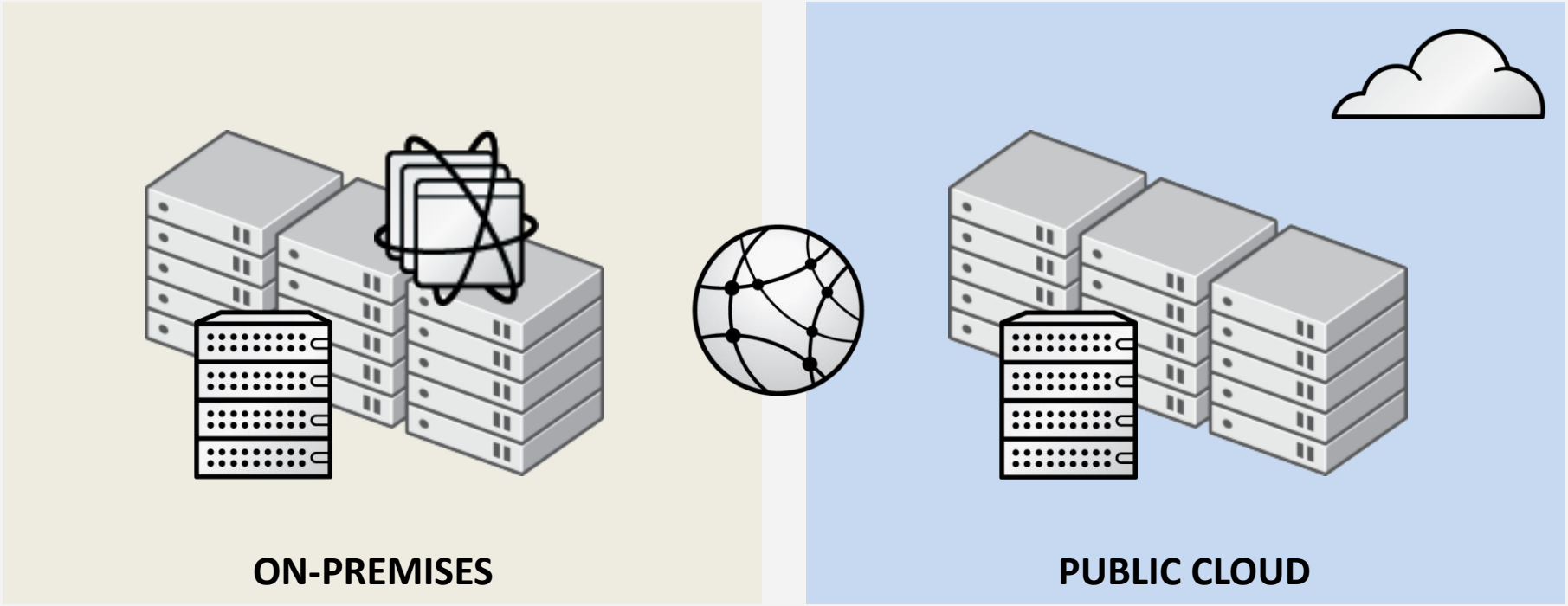
RED HAT OPEN HYBRID CLOUD

redhat.



PILOT LIGHT PATTERN

Minimal Expense for Disaster Recovery Protection



FULL PRODUCTION INFRASTRUCTURE

MINIMAL PRODUCTION INFRASTRUCTURE

APPLICATION AND DATA SYNCHRONIZATION

FULL SCALE ON-DEMAND

谢谢

Thanks !