



Unifying the Management of ...

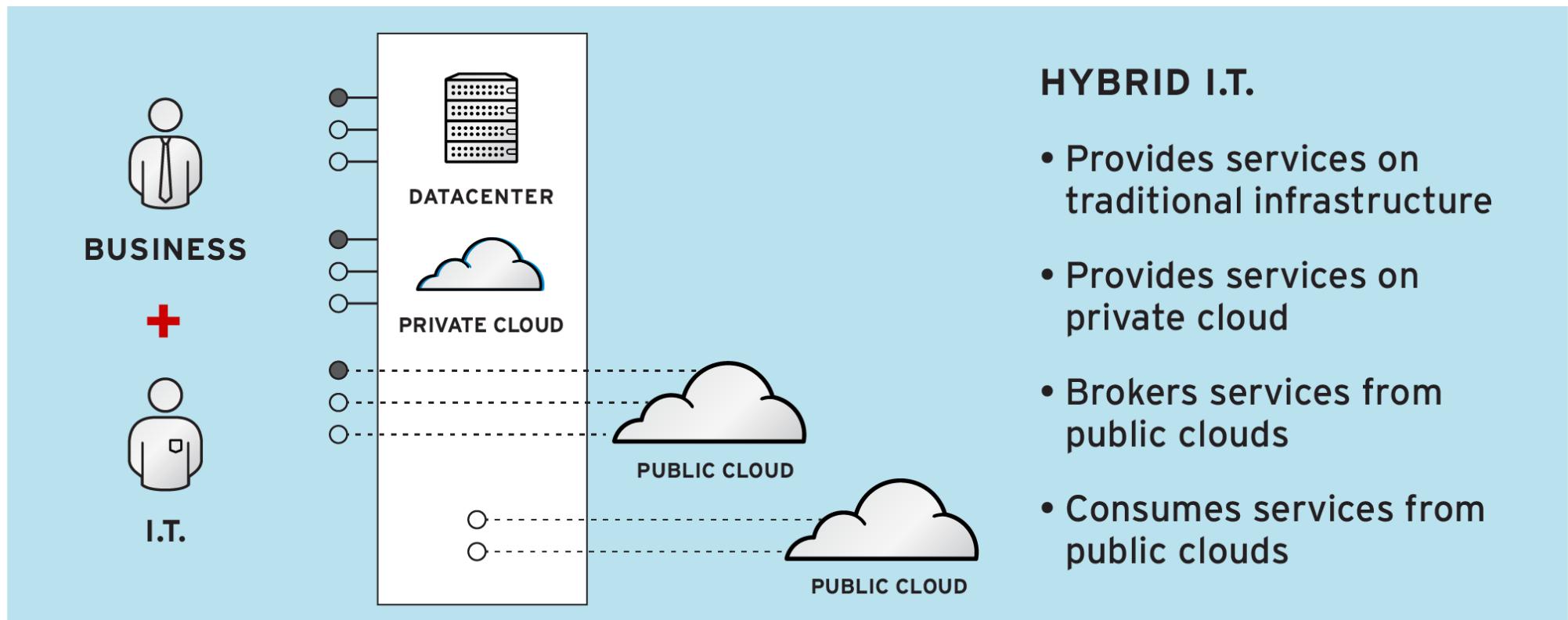
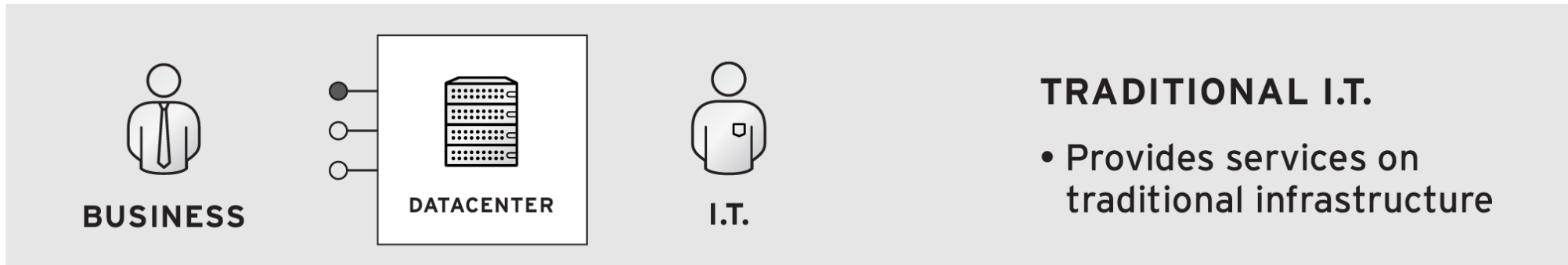
OpenStack Public Cloud Virtualization

Oleg Barenboim
Senior Director, Software Engineering

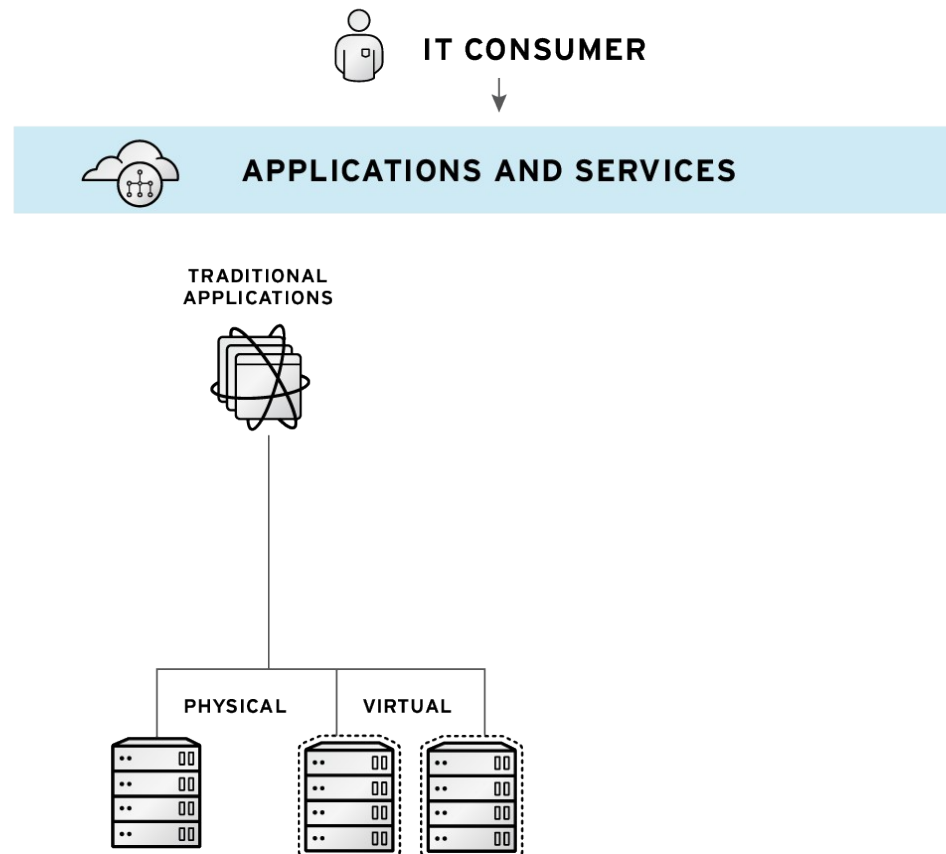
James Labocki
@jameslabocki
www.allthingsopen.com

THE ROLE OF I.T. IS CHANGING

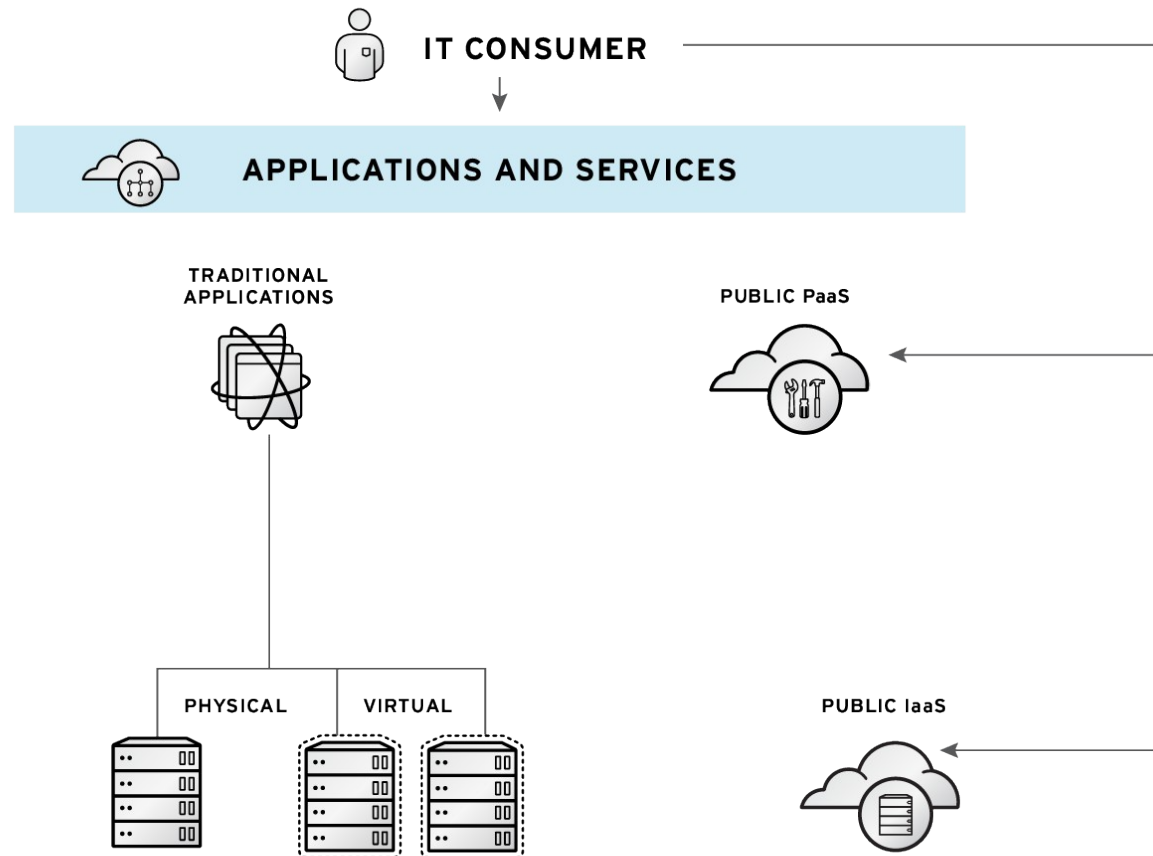
From service provider to strategic partner



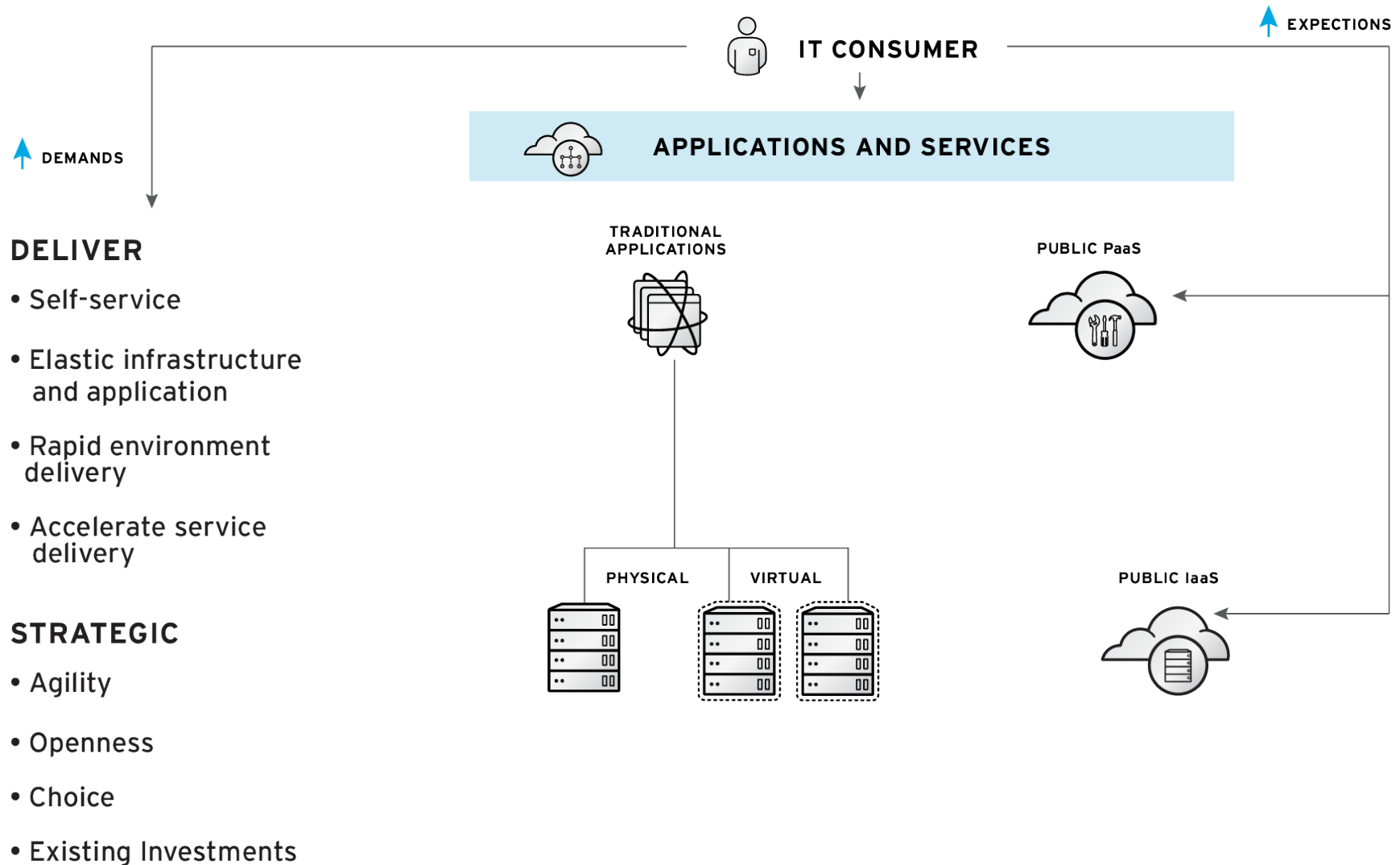
THE NEED FOR AN OPEN HYBRID CLOUD



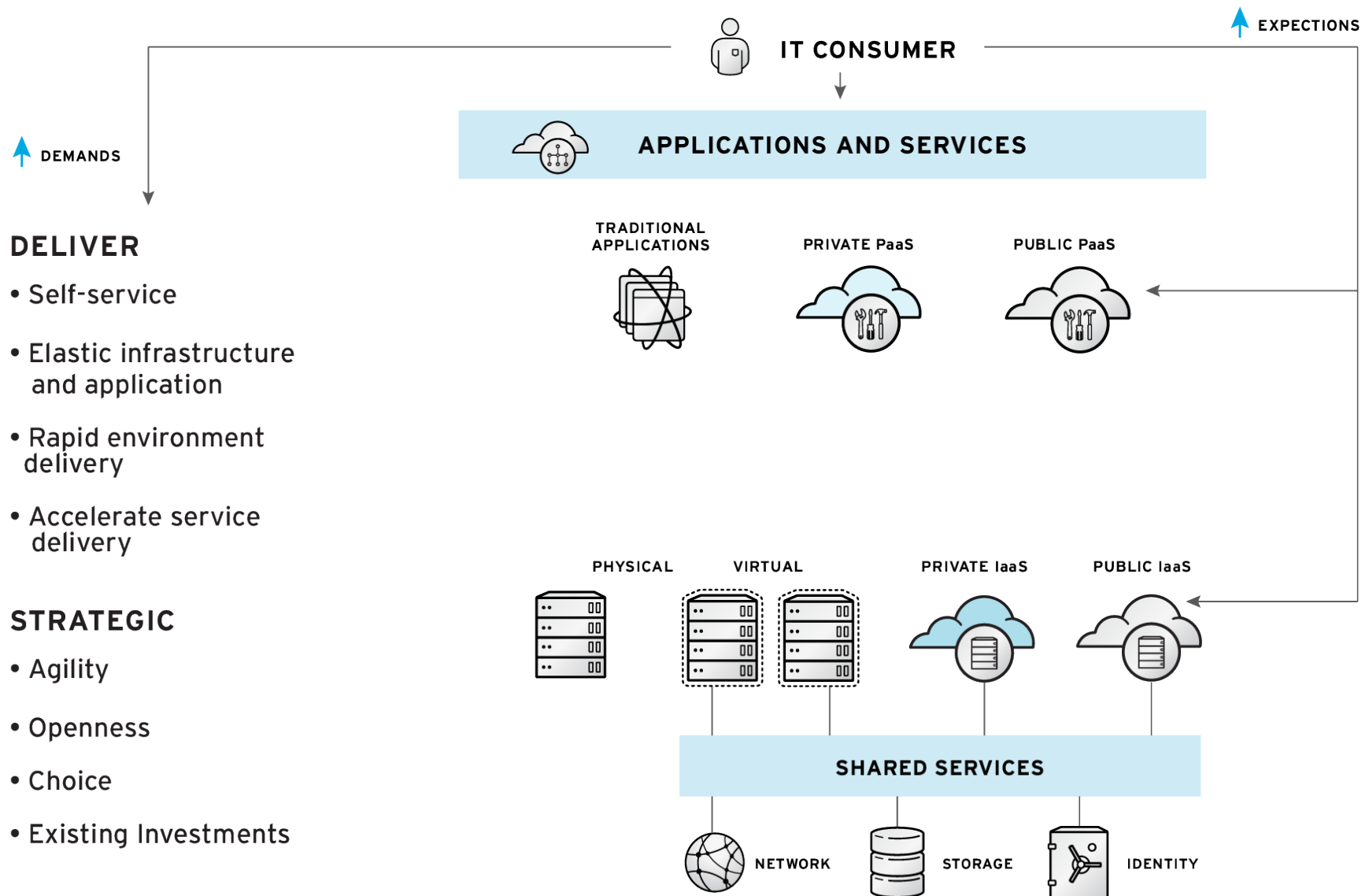
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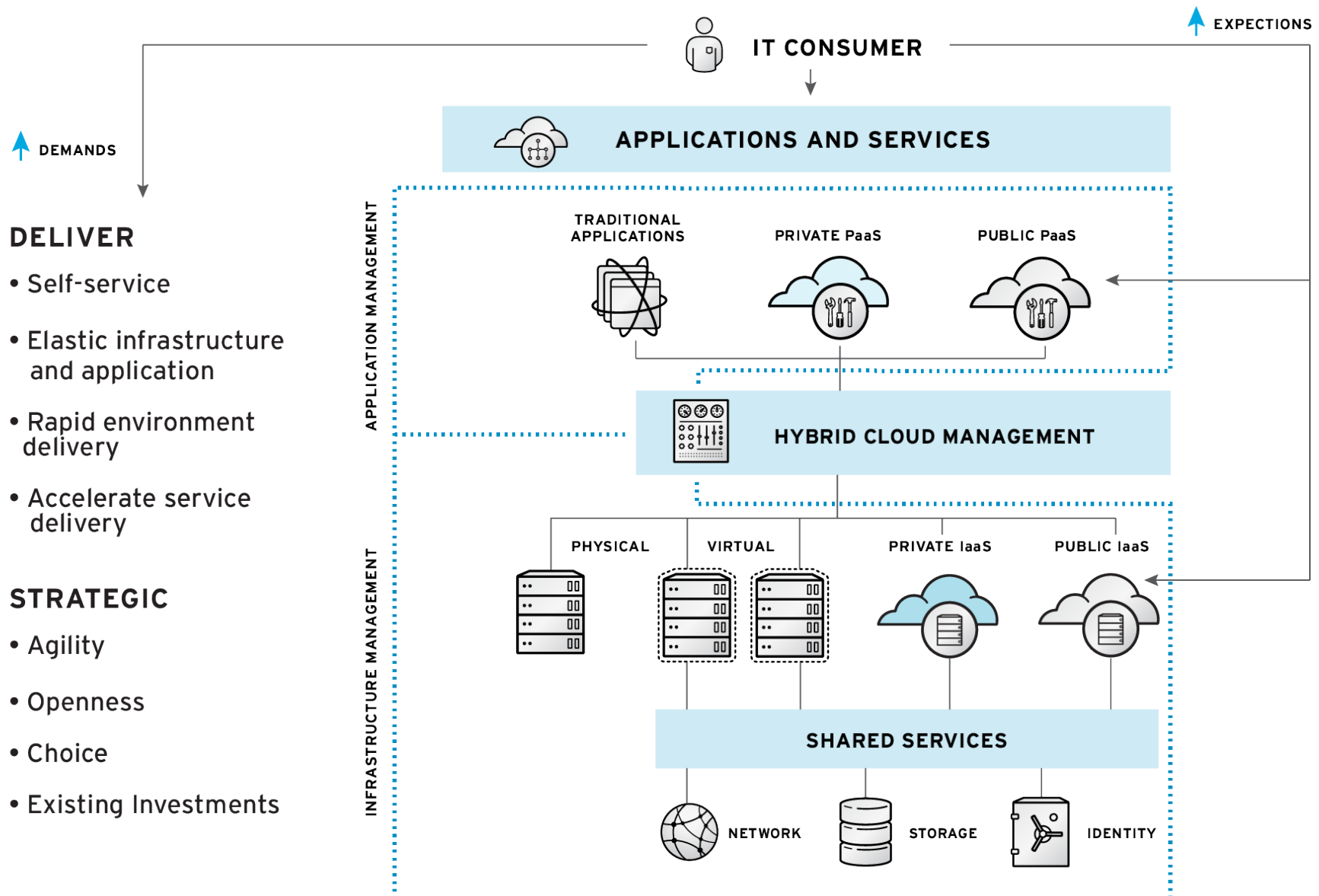
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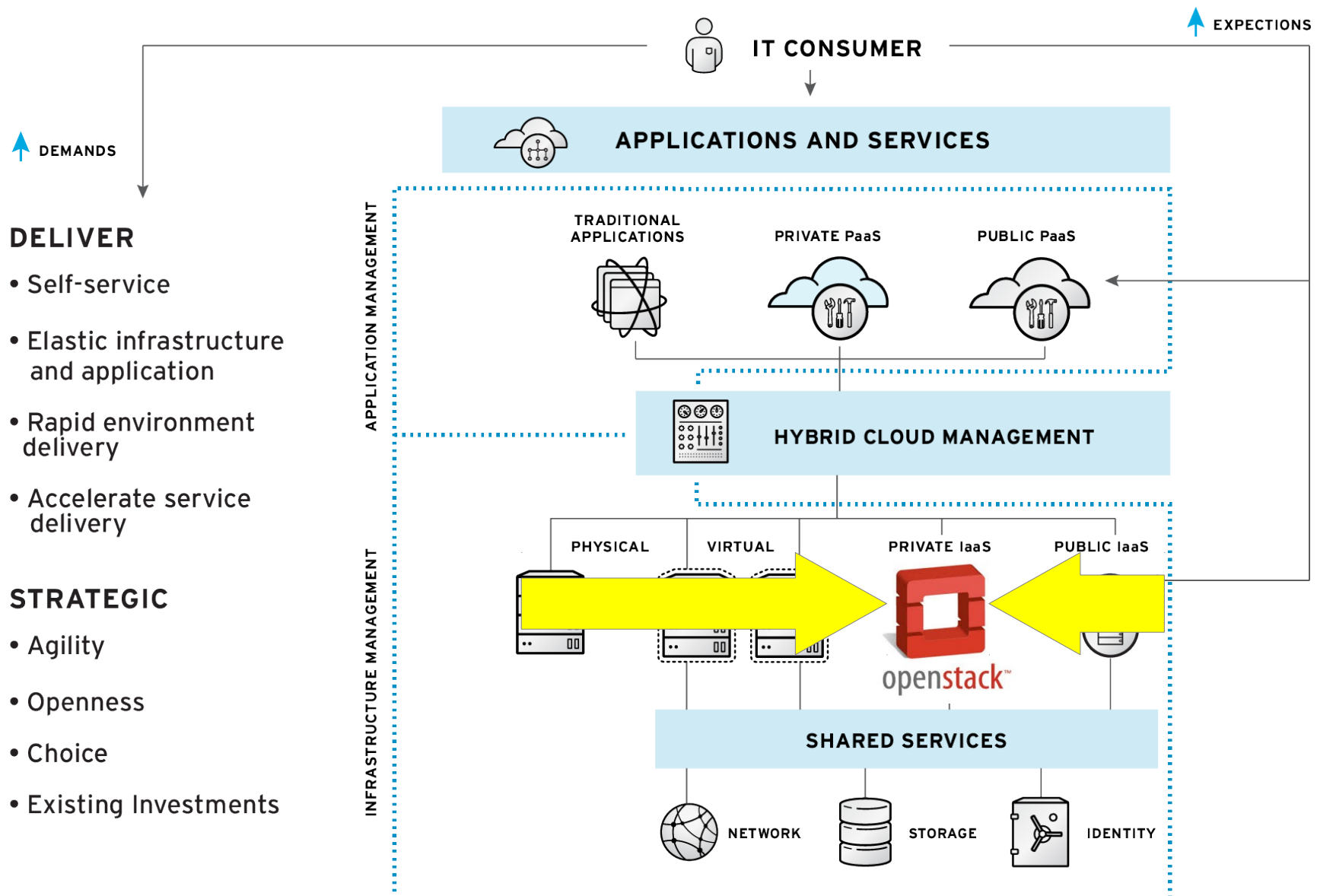
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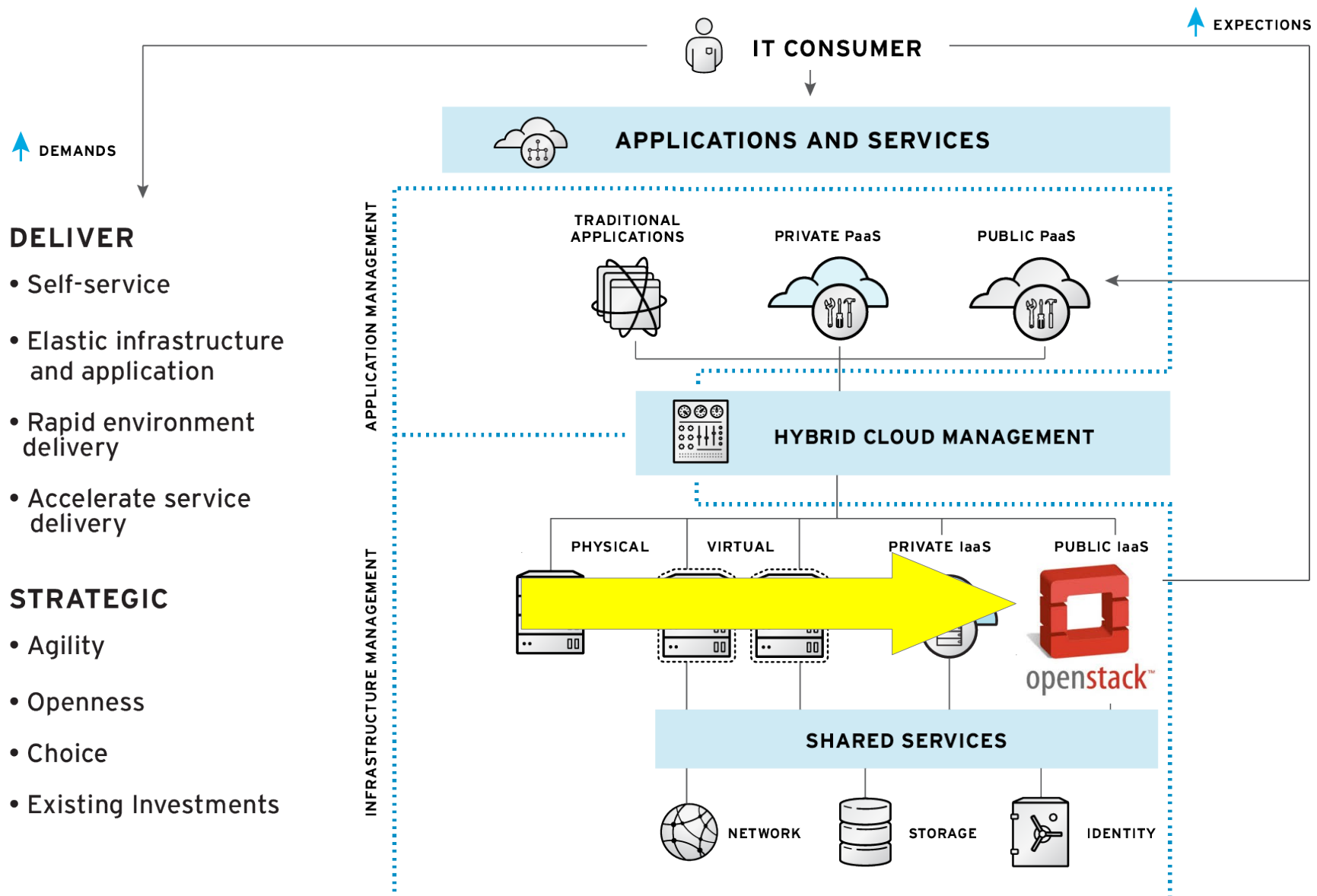
THE NEED FOR AN OPEN HYBRID CLOUD



Migrating to Private OpenStack Clouds



Migrating to Public OpenStack Clouds



OPENSTACK AT RED HAT

- Stability, Security, Lifecycle for OpenStack

Red Hat Enterprise Linux OpenStack Platform

- Instrumentation, APIs, Automation

Upstream Contributions (Triple-O, Ceilometer, etc)

- Cloud Management Platform

Red Hat CloudForms

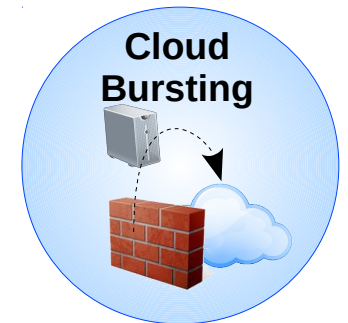
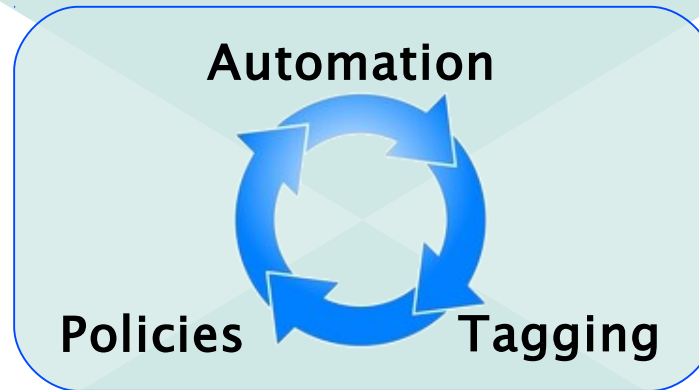
CloudForms Capabilities



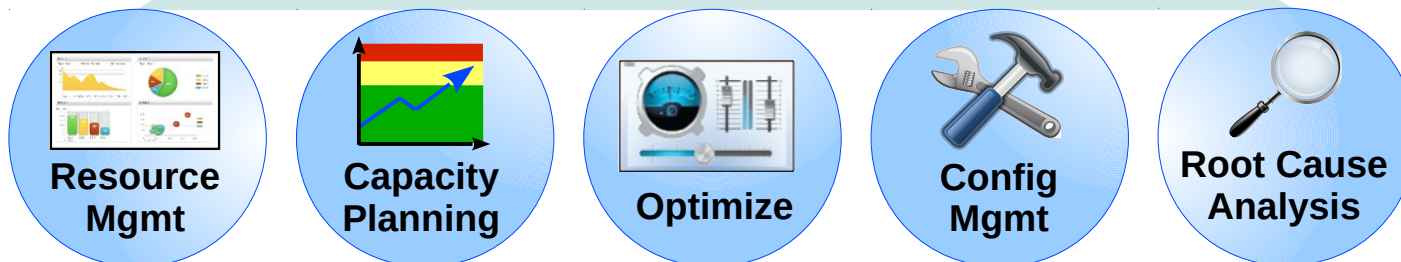
Cloud Enablement

OpenStack Integrations

Nova
Ceilometer
AMQP
Heat*
Glance*
Puppet*



Infrastructure Management



* Future Integrations

CloudForms

- ManageIQ Acquired by Red Hat
- Modern Platform Architecture
 - Ruby on Rails
 - Designed for Horizontal and Vertical Scaling
- Committed to Open Source
cf-opensource@redhat.com

RED HAT CLOUD INFRASTRUCTURE

Foundational infrastructure for the open hybrid cloud

**RED HAT®
CLOUDFORMS**

HYBRID CLOUD MANAGEMENT

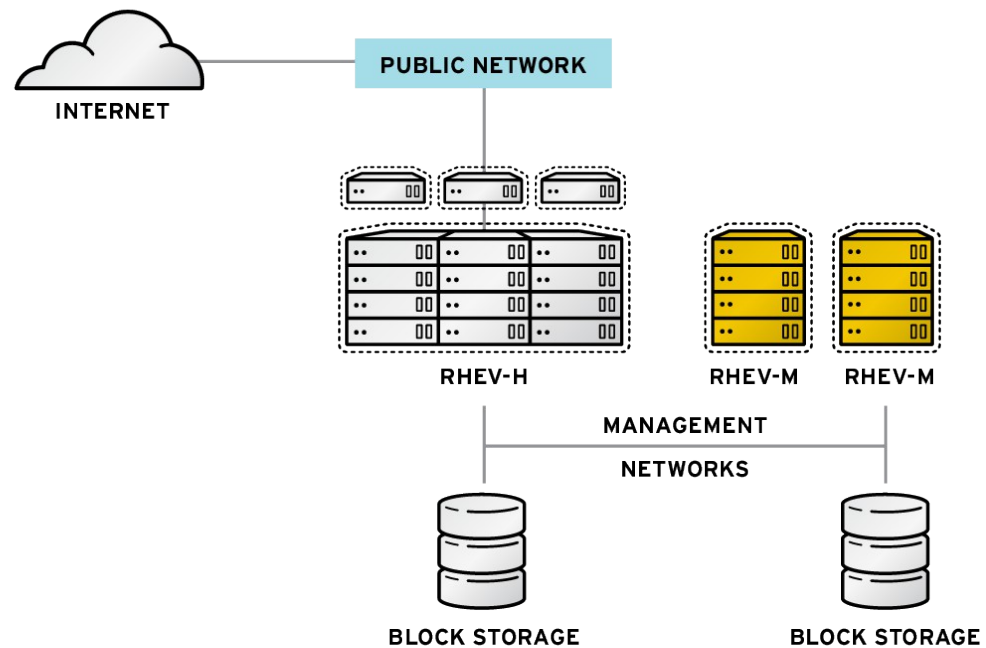
**RED HAT®
ENTERPRISE
VIRTUALIZATION**

TRADITIONAL WORKLOADS

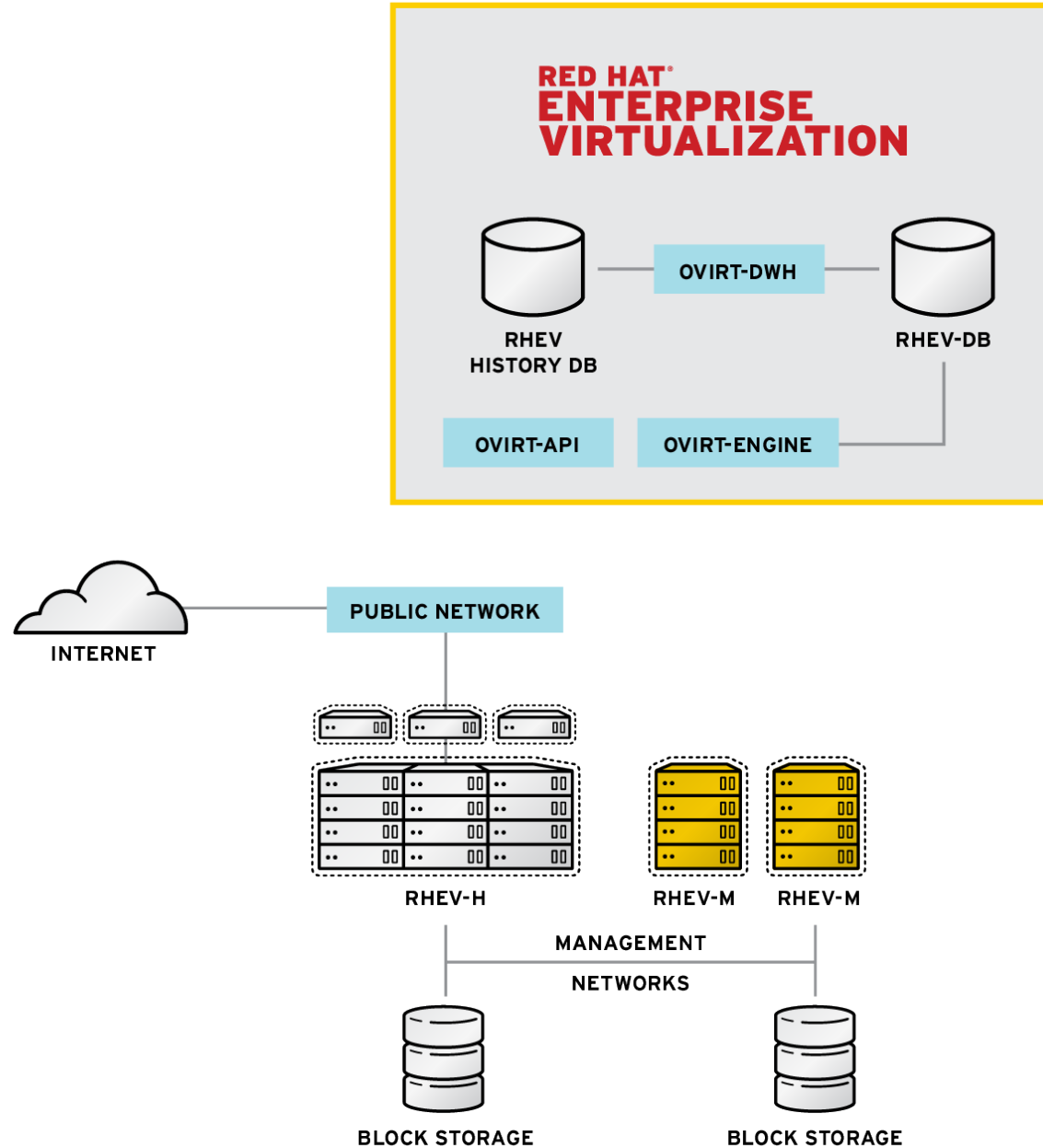
**RED HAT®
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OPENSTACK® PLATFORM**

CLOUD WORKLOADS

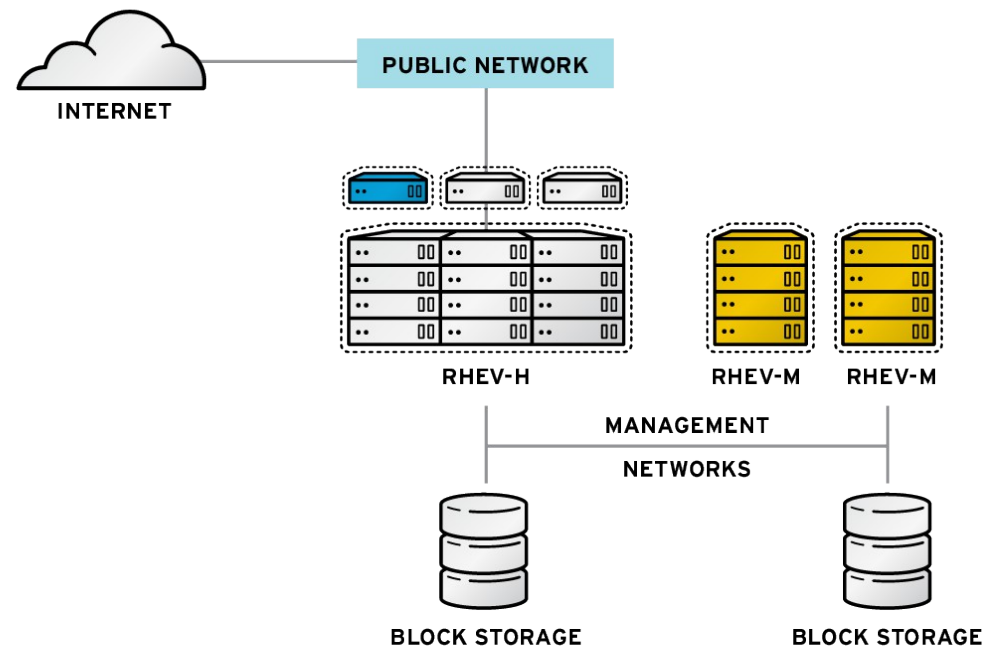
RED HAT CLOUD INFRASTRUCTURE



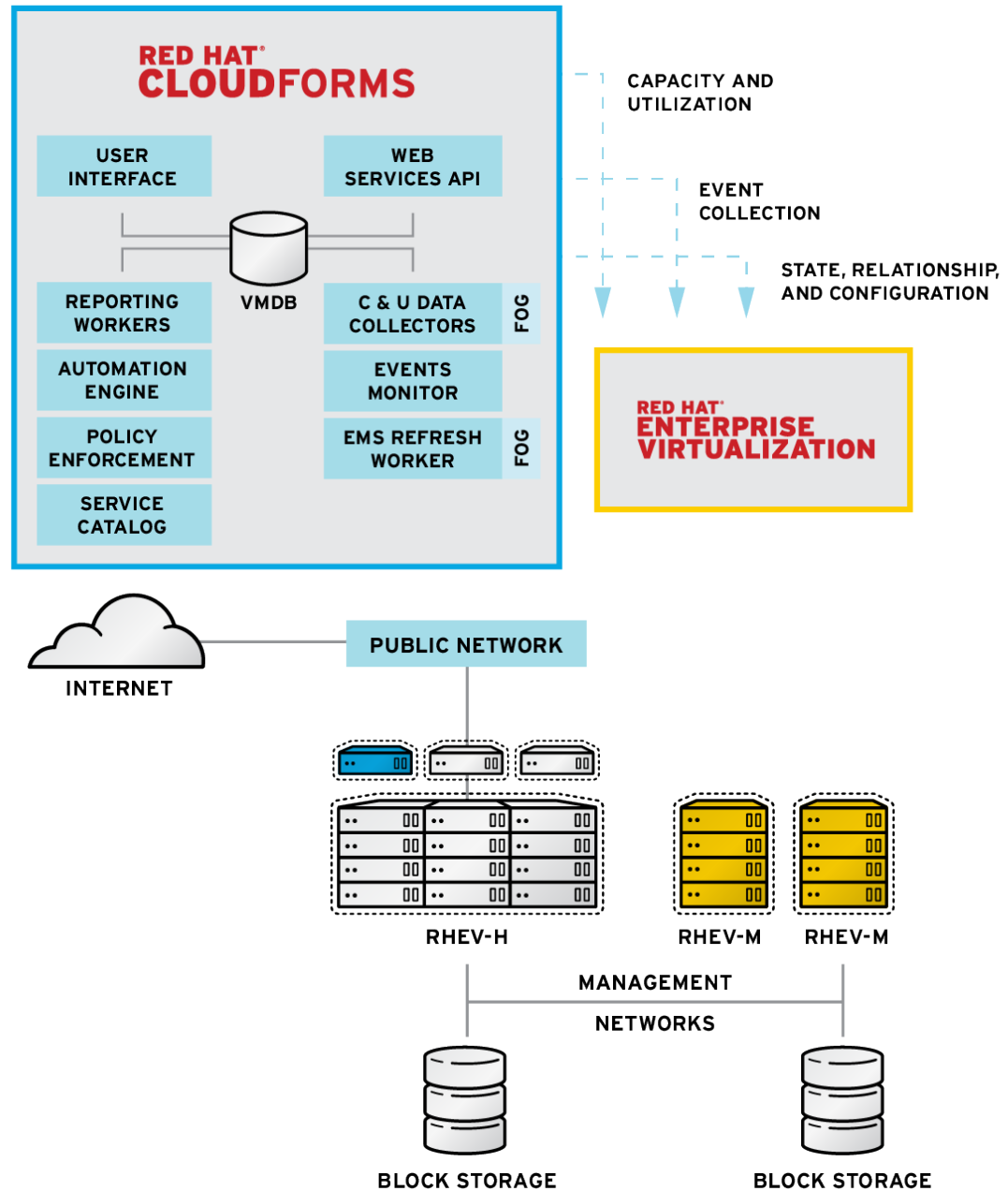
RED HAT CLOUD INFRASTRUCTURE



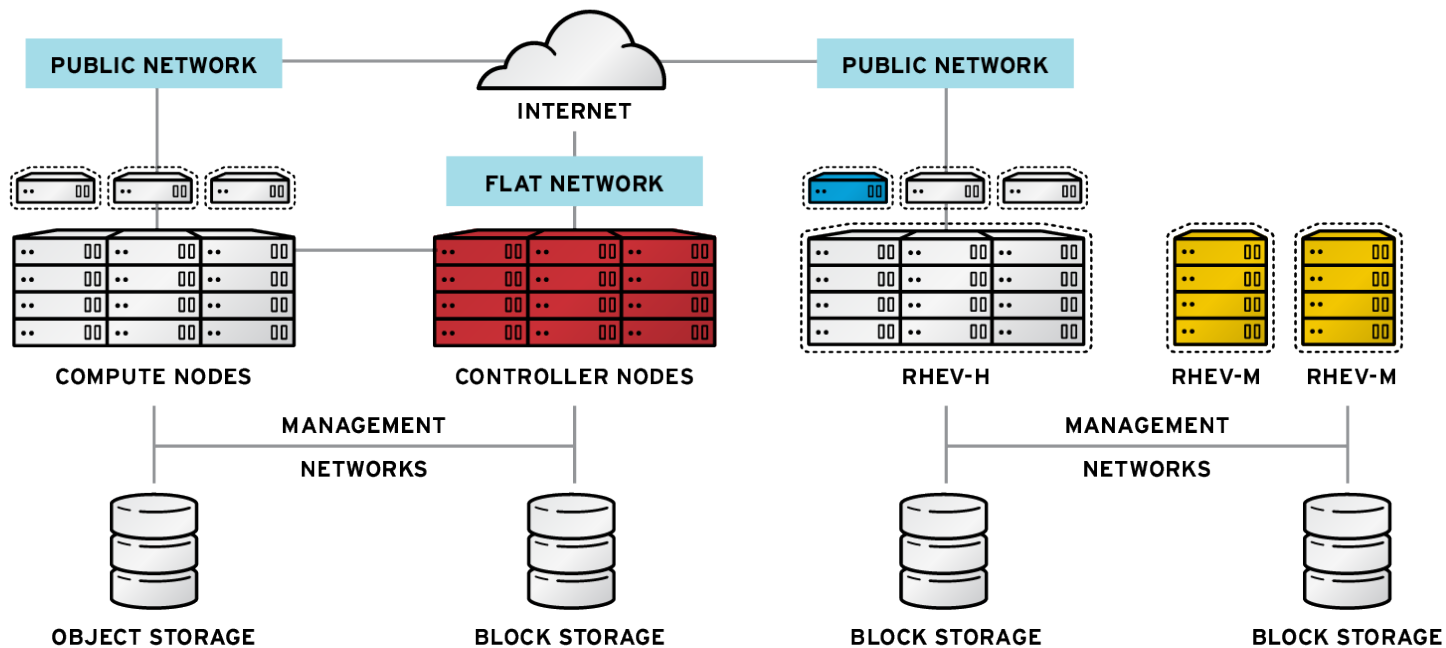
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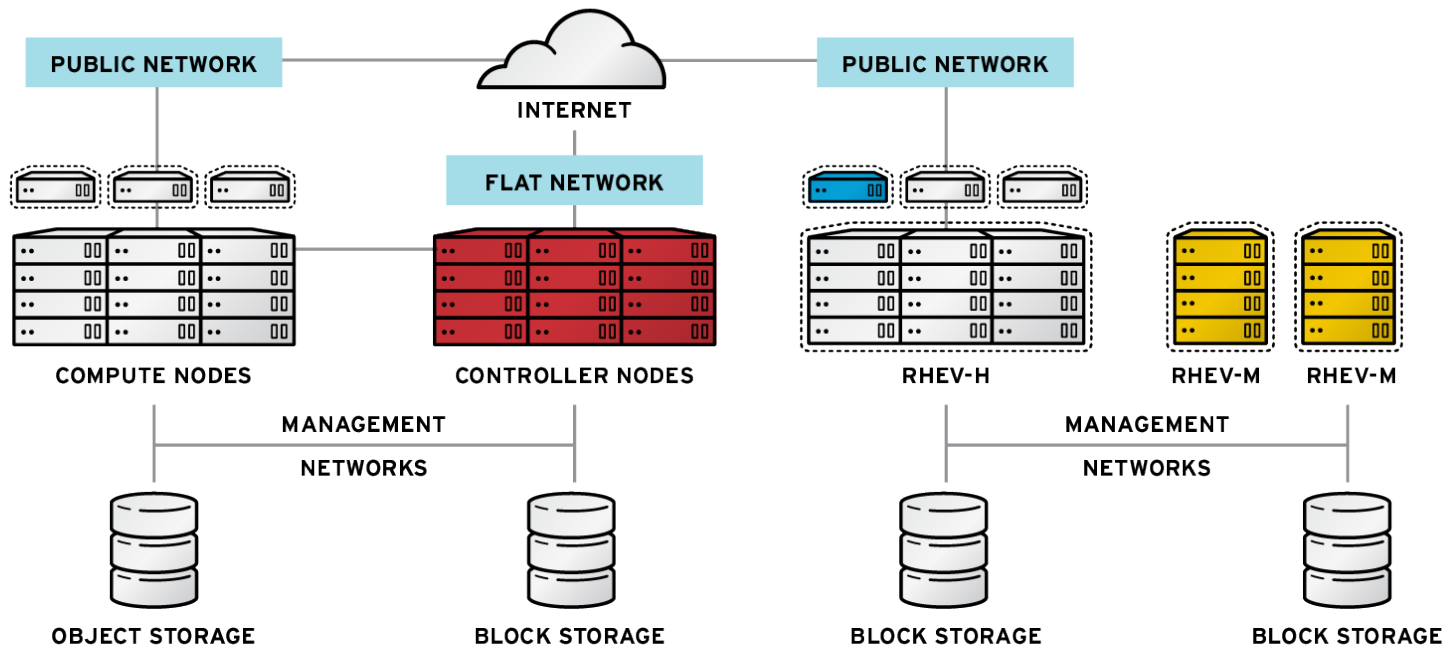
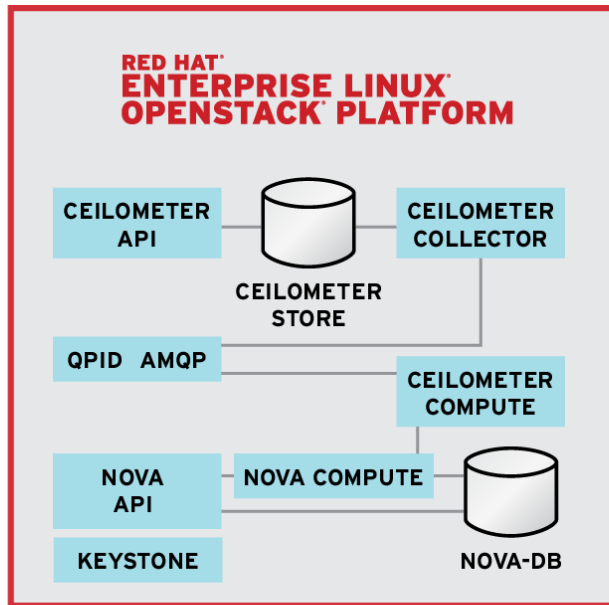
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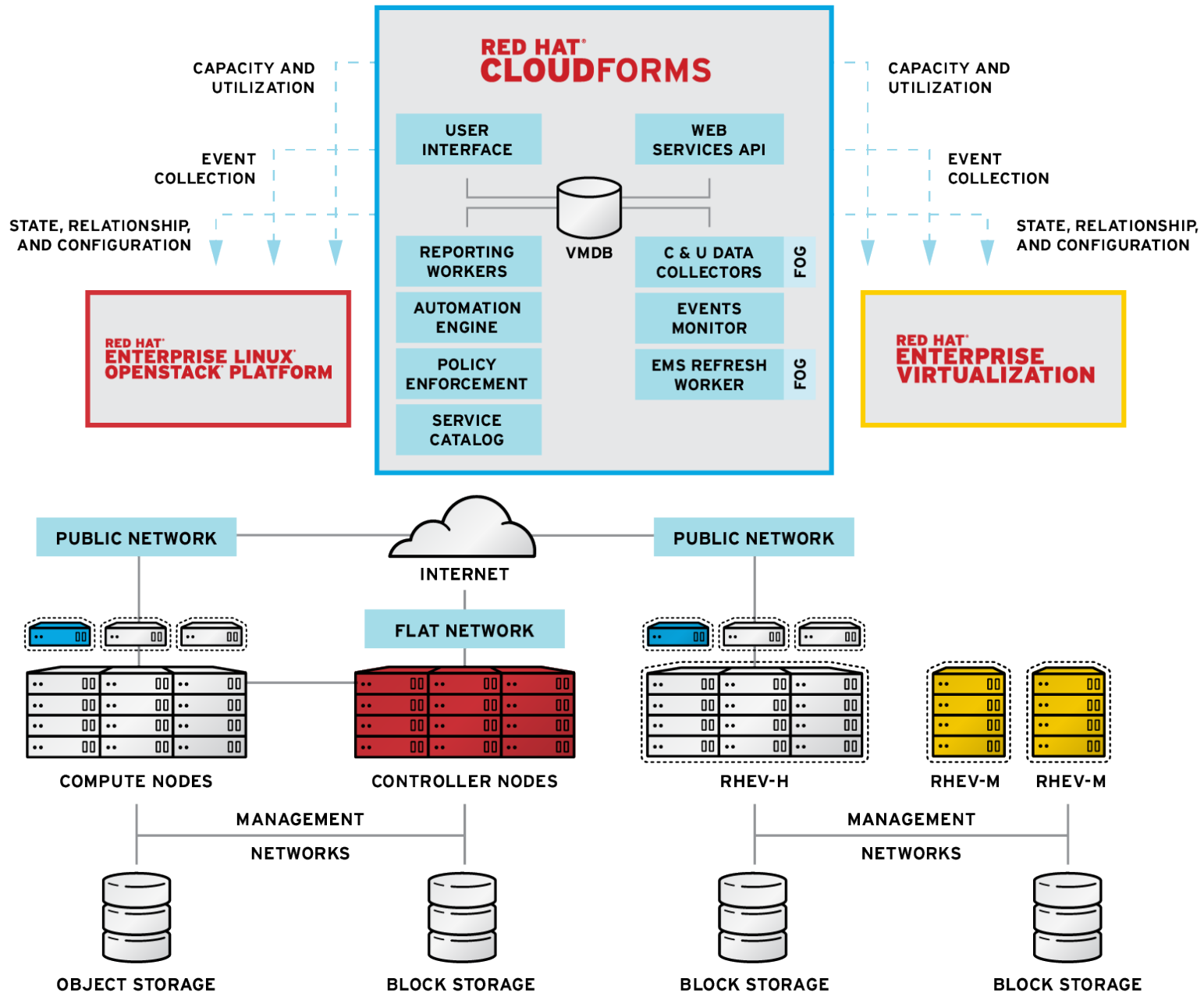
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RED HAT CLOUD INFRASTRUCTURE

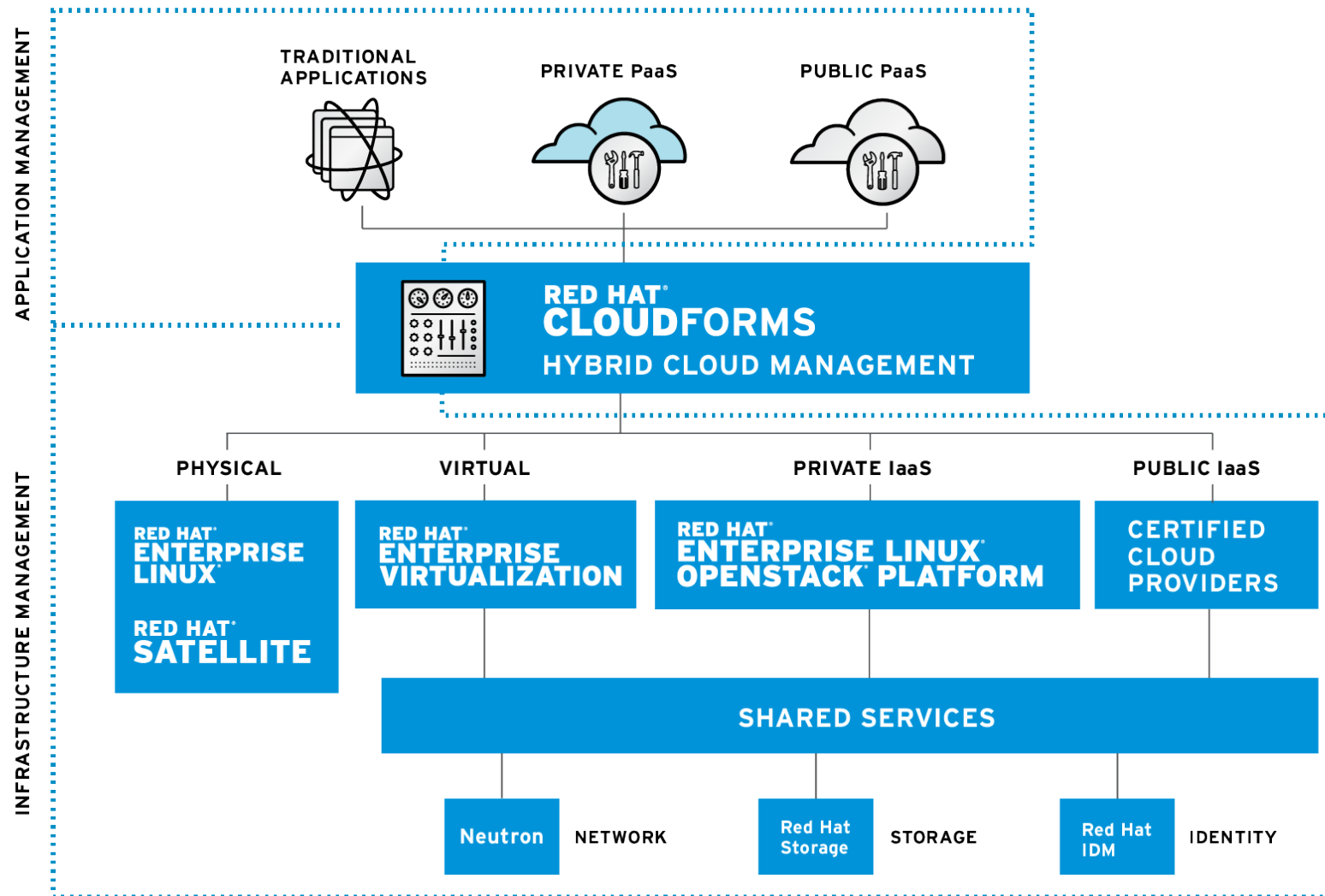


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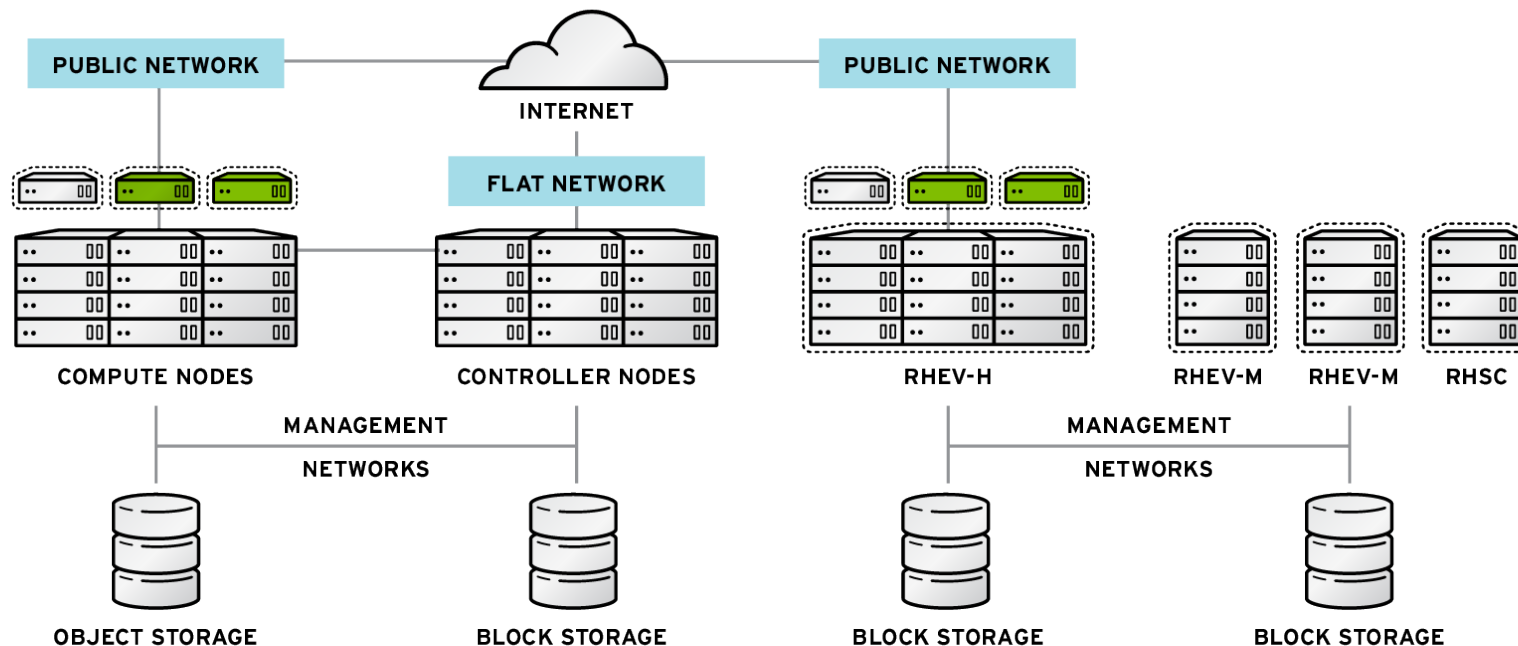
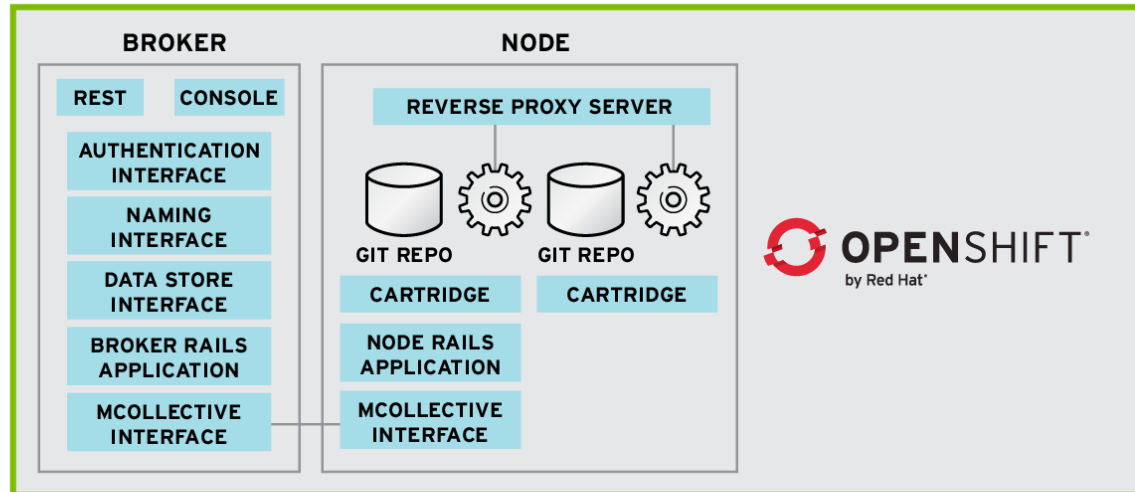


INFRASTRUCTURE-AS-A-SERVICE

Foundation for the open hybrid cloud

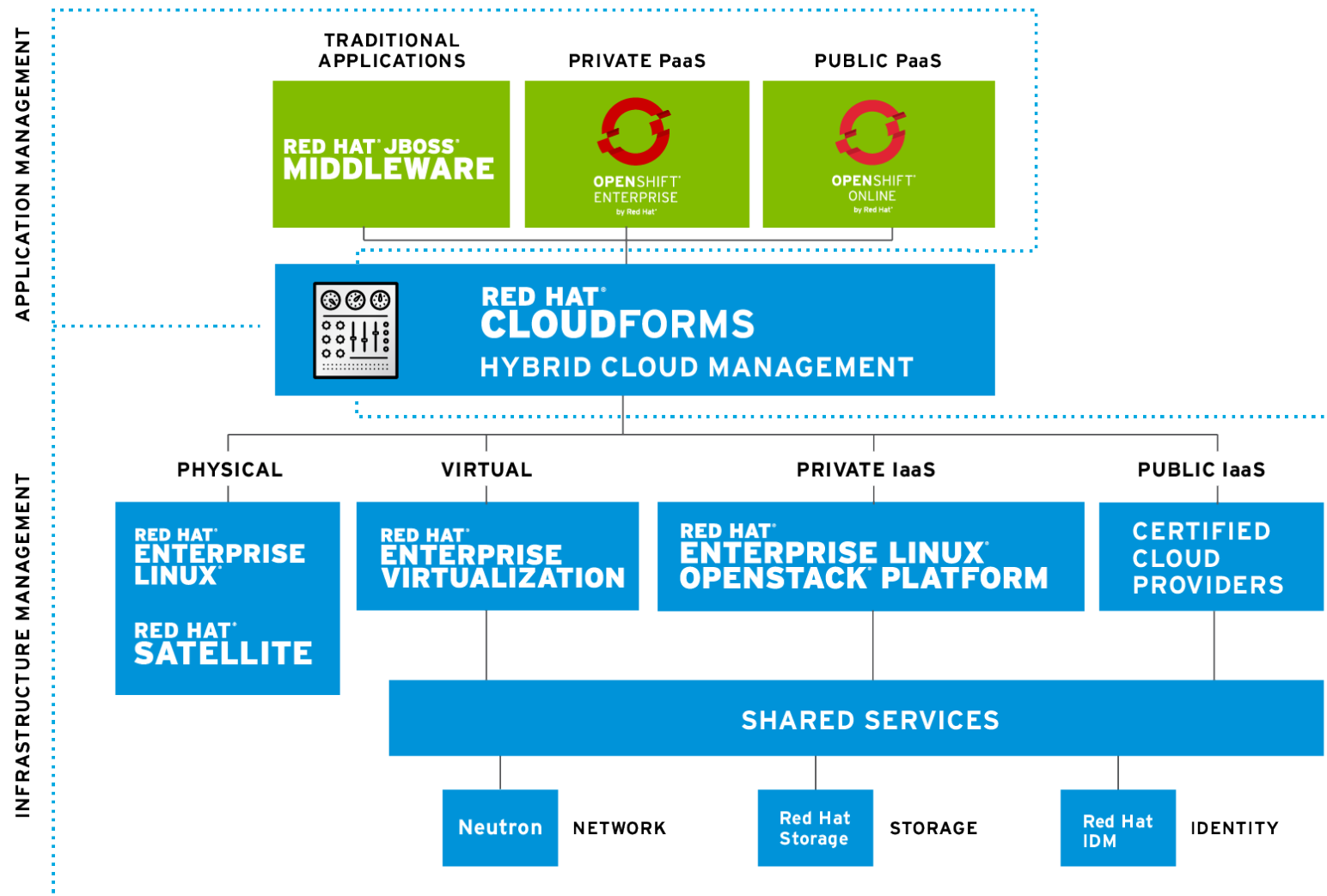


RED HAT CLOUD INFRASTRUCTURE AND OPENS SHIFT BY RED HAT



OPENSIFT BY RED HAT

Application platform for the open hybrid cloud



Adding OpenStack Environments

Demonstration

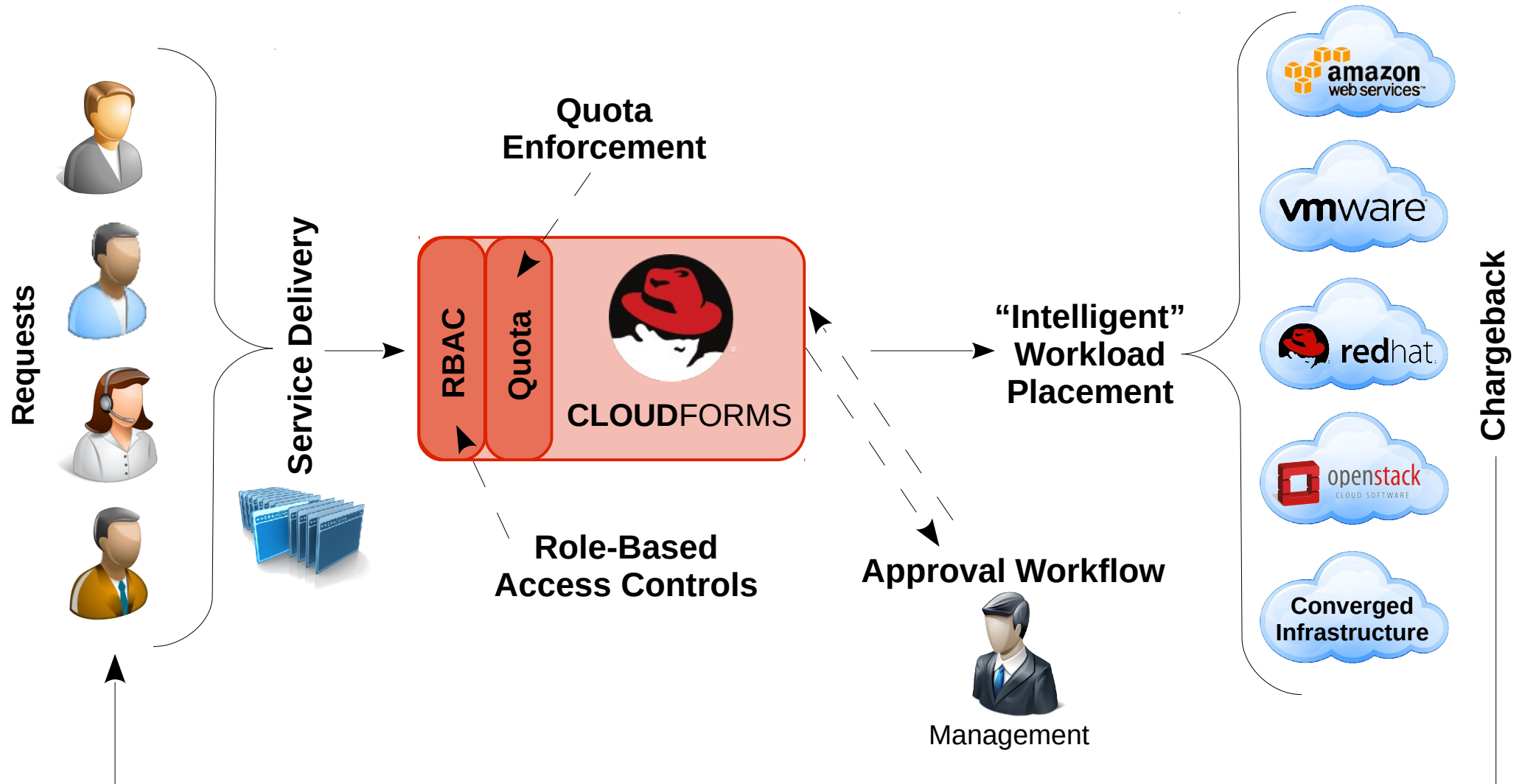
Reporting for OpenStack Environments

Demonstration

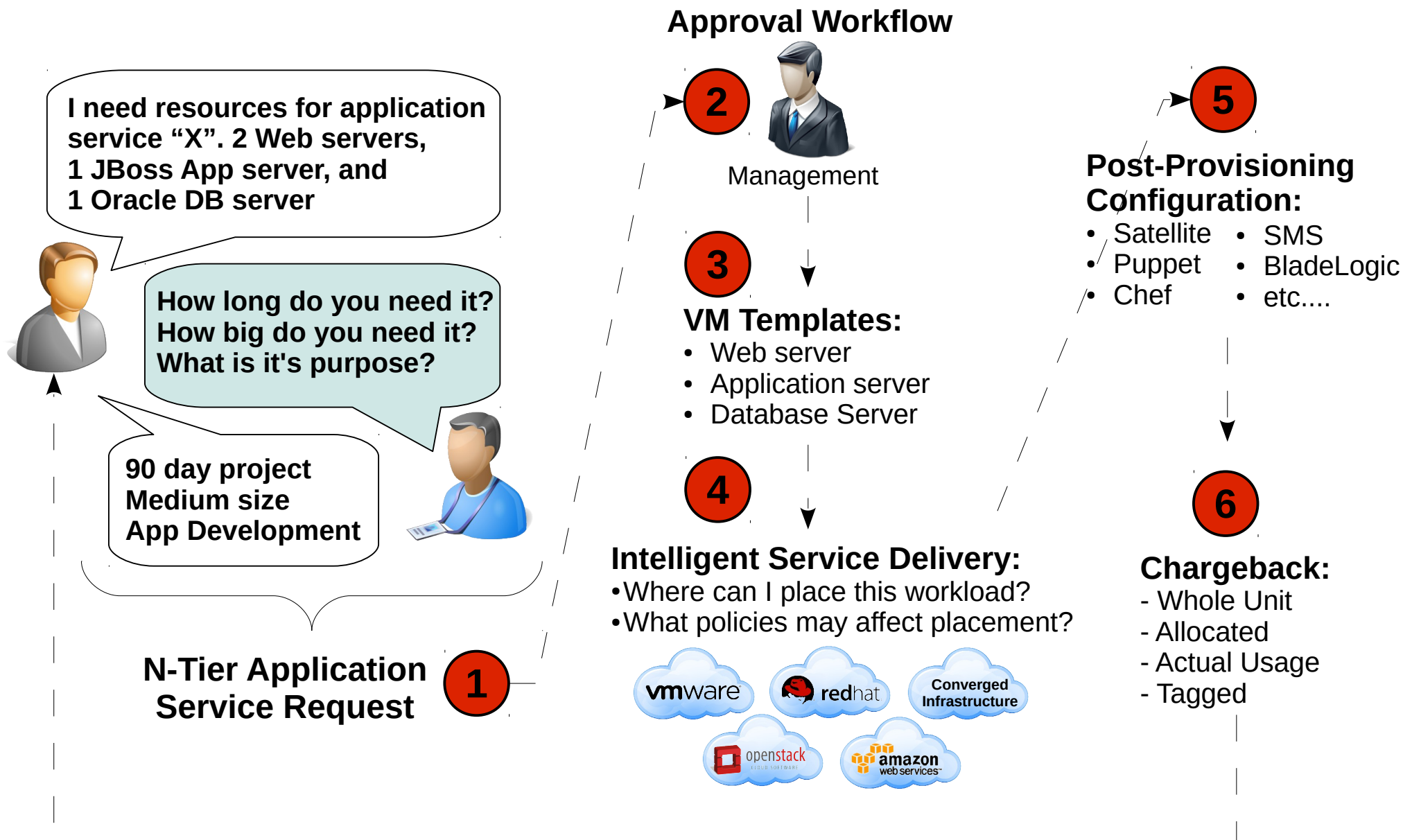
Chargeback of Workloads

Demonstration

Self-Service (1/2)



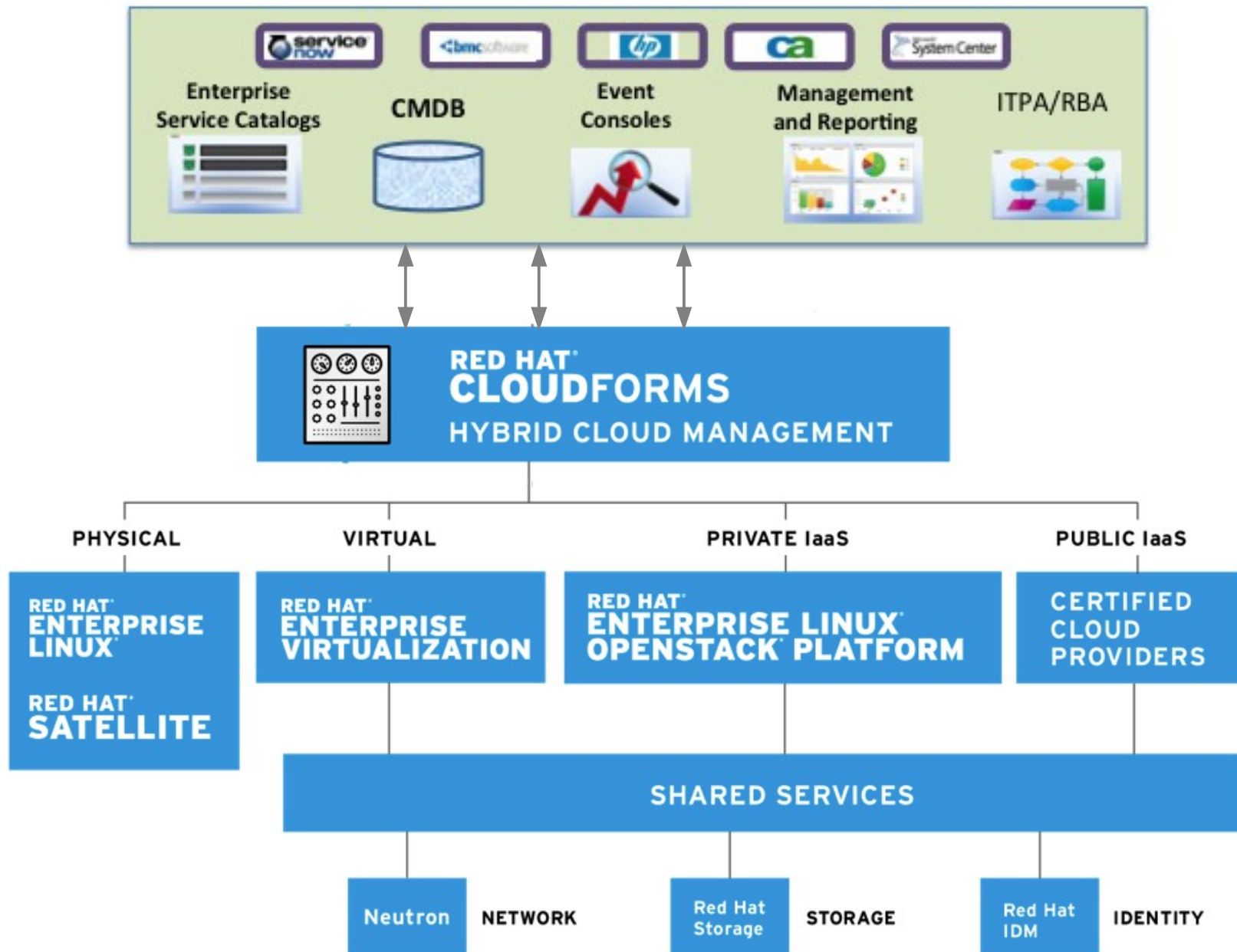
Self-Service (2/2)



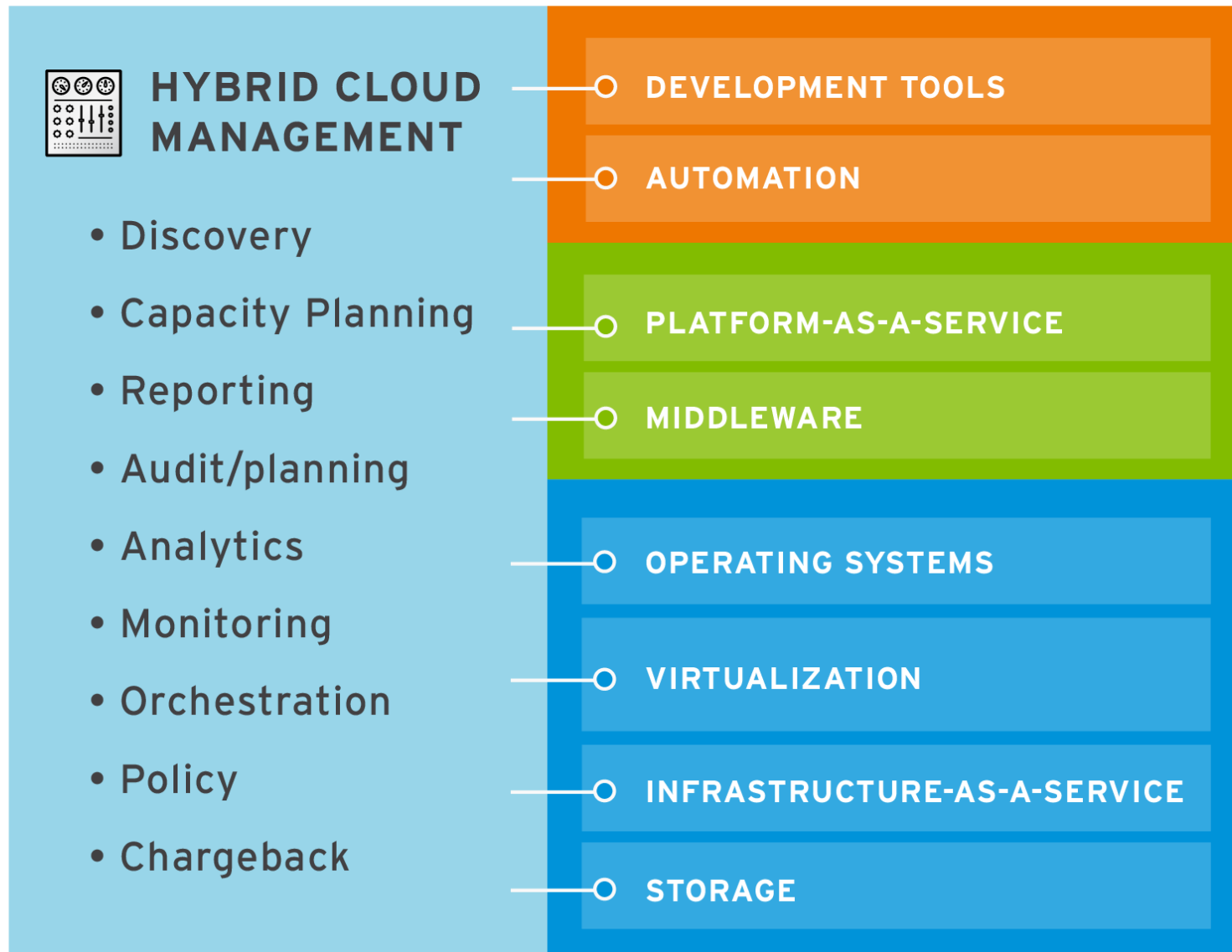
Self-Service

Demonstration

Integrate OpenStack with IT Management Systems



STRATEGIC DIRECTION



Roadmap

- Open Source
- Deeper Platform as a Service Integration
- Enhanced Puppet Integration
- Additional Configuration Management Integrations



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