



From Cloud to Mobility All roads lead to Red Hat

Dan Toledano
Country Manager



RED HAT
FORUM
Europe, Middle East & Africa

Digitization transforms industries

“The car is becoming the ultimate technology product and we are becoming more of an information company”

Mark Fields, CEO Ford Motor Company

Google Inc. Says Self-Driving Car Will Be Ready By 2020

Chris Urmson, project director for Google's self-driving car project

SOFTWARE = BUSINESS



Retail



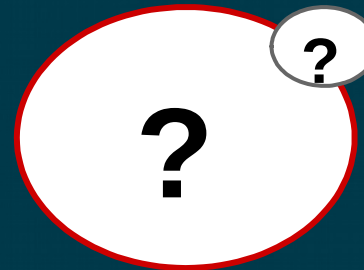
Finance



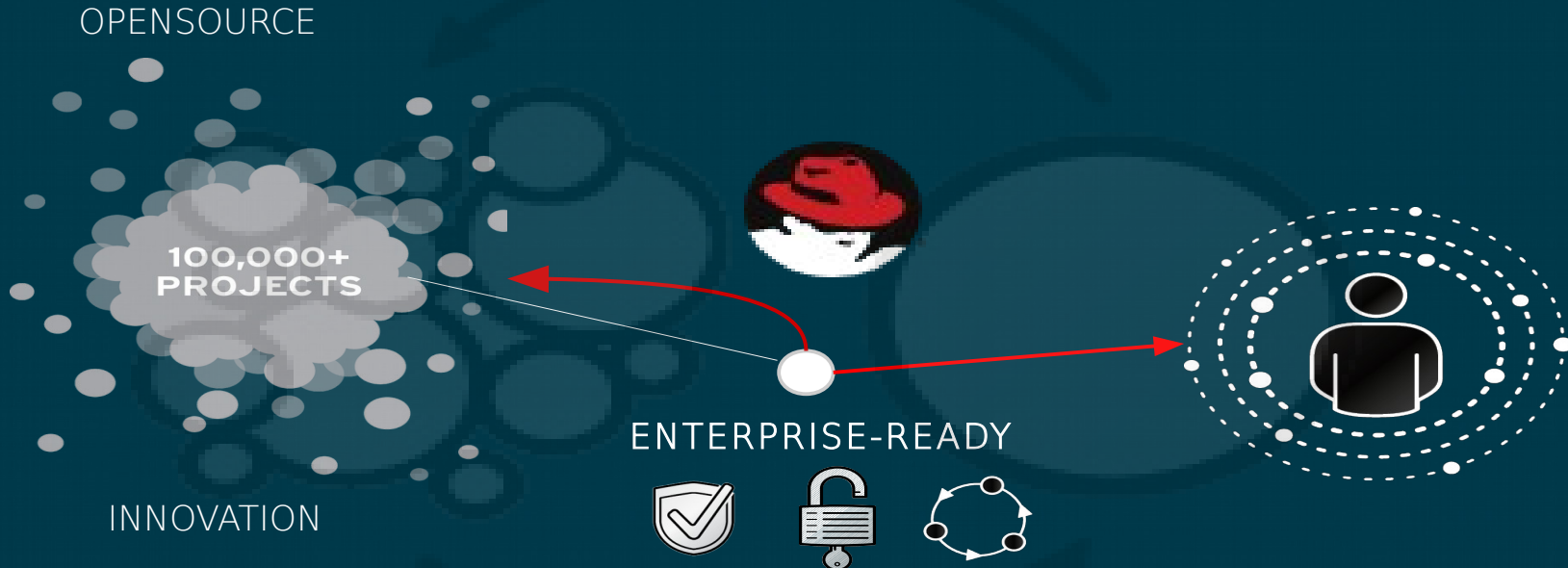
Media



Transportation



Unique business model



OPEN SOURCE INNOVATION



COMMODITY



INNOVATION

ACCEPTED



EXPECTED

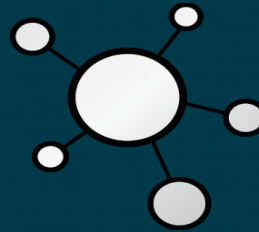
OPENSOURCE LEADERSHIP FOR DIGITAL TRANSFORMATION



**ON
DEMAND**



DATA



AGILITY



MOBILITY



LOWER COSTS

INNOVATE

NEXT GEN COMPANIES

Use open source and/or Contribute to Open source

YAHOO!



LinkedIn

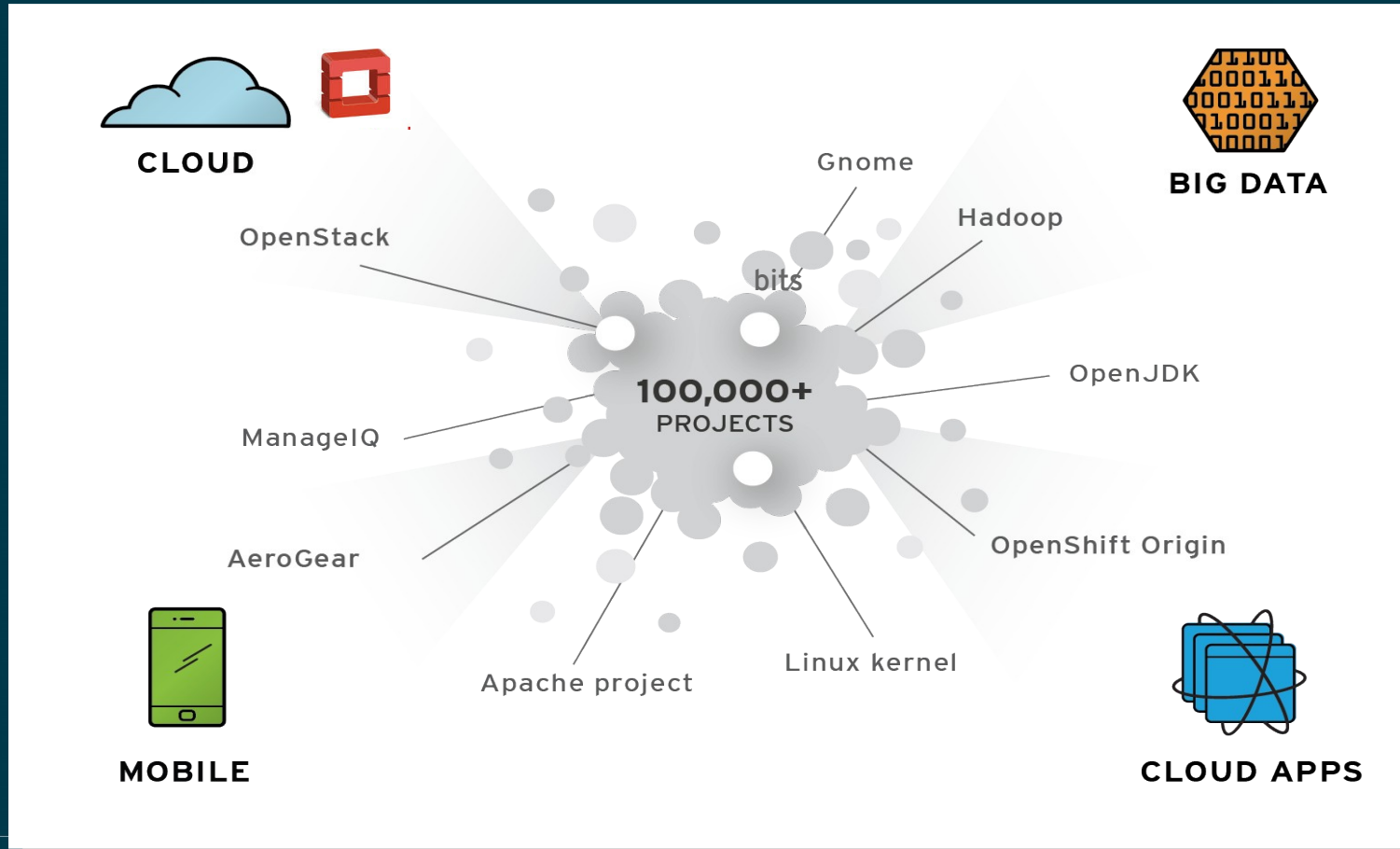


amazon.com



Scale and Power of mass open innovation
Flexibility of Business Models

INNOVATION = OPENSOURCE



OPEN INNOVATION IS EVERYWHERE

OPEN INNOVATION

Code | Data | Standards | Collaboration | Sharing | Development Process

Every Market segments

digital transformation

IT Transformation

DIGITAL ORAGANISATION

MAINFRAME

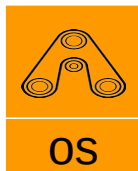
CLIENT-SERVER

VIRTUALIZATION

CLOUD SHIFT

Resiliency & efficiency

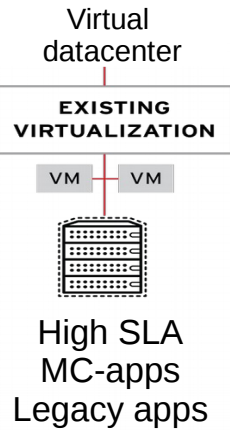
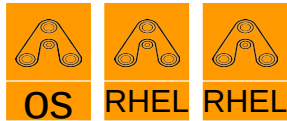
Traditional
monolithic app



High SLA
MC-apps
Legacy apps

Scale up flexibility

Traditional
monolithic apps



Distributed management

Traditional monolithic apps



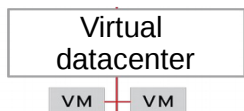
CLOUD SYSTEMS MANAGEMENT



PROVISIONING SUBSCRIPTION MANAGEMENT



CONFIGURATION MANAGEMENT SOFTWARE MANAGEMENT



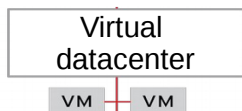
SATELLITE

Best open flexible management platform

Traditional
monolithic apps



SATELLITE



High SLA
MC-apps
Legacy apps

Full life-cycle support

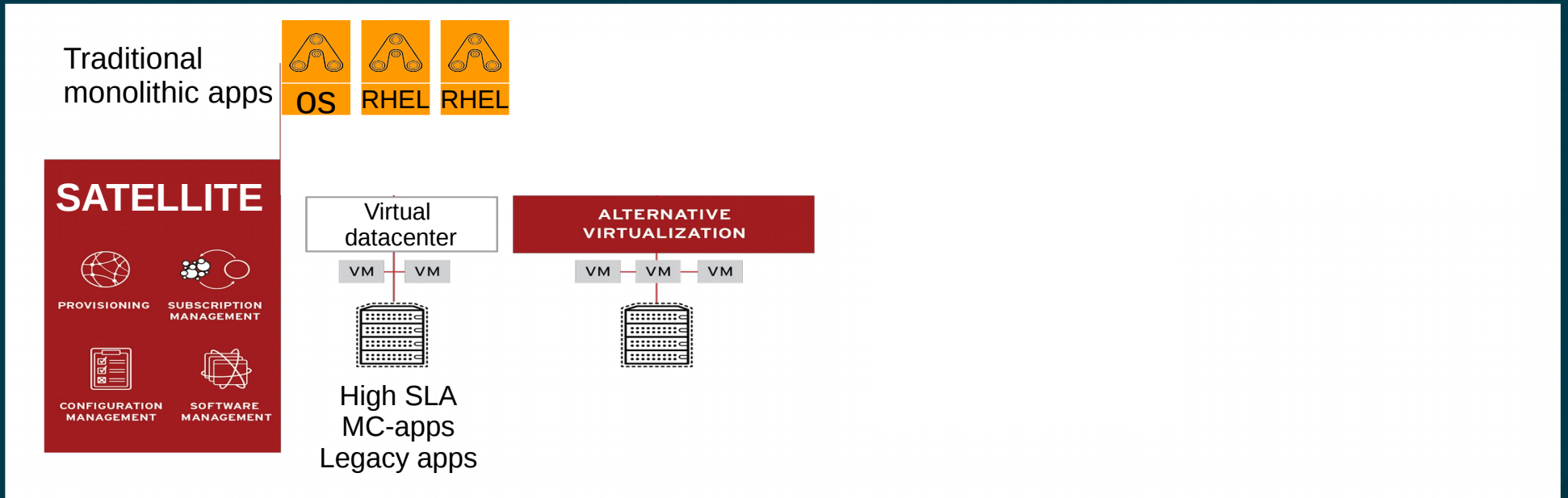
from provisioning to retirement.

Operational efficiency

through self-service, automation, and operations management.

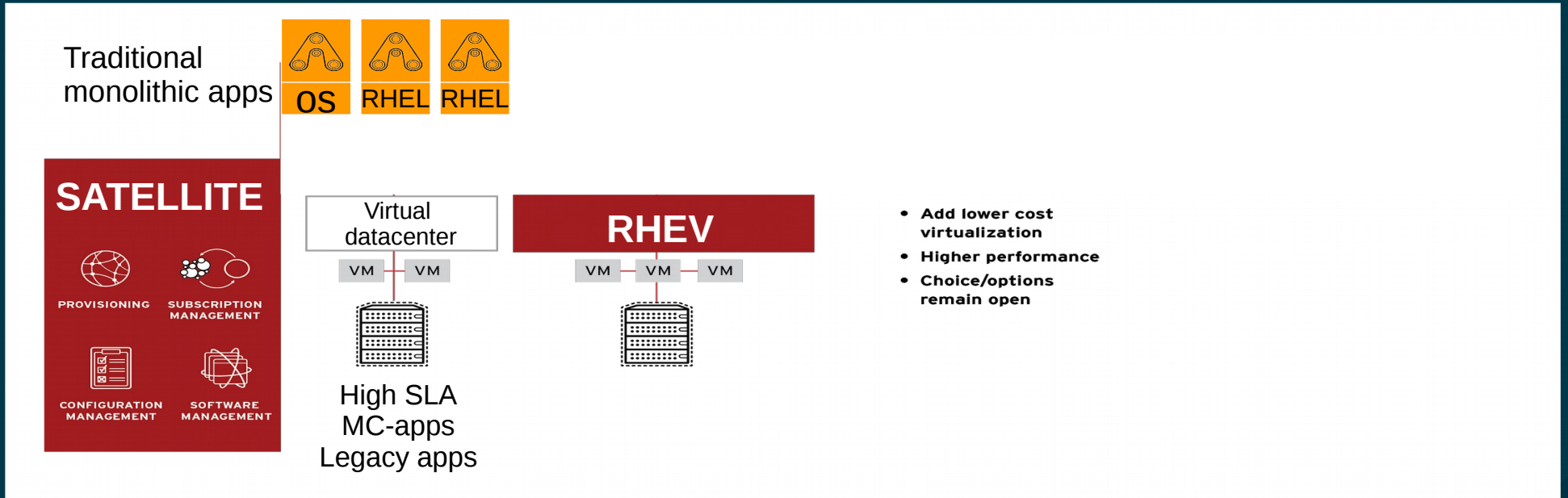
Multi-provider support for flexibility.

Second source virtualization



RHEV

Best cost performance alternative to Vmware



New type of application workload

Traditional monolithic apps



Flexible Unplanned apps



SATELLITE



Virtual datacenter

VM VM



High SLA
MC-apps
Legacy apps

RHEV

VM VM VM

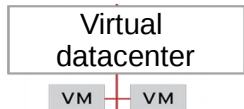


Public cloud shift

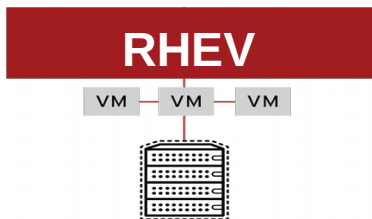
Traditional monolithic apps



SATELLITE



High SLA
MC-apps
Legacy apps

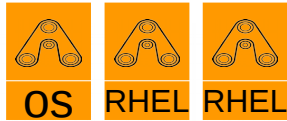


Flexible
Unplanned apps



Cloud management complexity

Traditional monolithic apps



Flexible Unplanned apps



CLOUD MANAGEMENT PLATFORM



SATELLITE



Virtual datacenter

VM — VM



RHEV

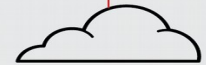
VM — VM — VM



TRADITIONAL APPLICATION

amazon.com
web services

VM — VM — VM — VM



TRADITIONAL AND CLOUD ENABLED APPLICATION

Cloud Forms

Best Hybrid cloud management platform

Traditional monolithic apps



Flexible Unplanned apps



Cloud Forms



SATELLITE



Virtual datacenter

VM — VM



RHEV

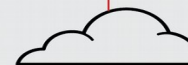
VM — VM — VM



TRADITIONAL APPLICATION

amazon.com
web services

VM — VM — VM — VM



TRADITIONAL AND CLOUD ENABLED APPLICATION

Jboss - Richest MW portfolio

Accelerate Integrate Automate

JBoss
Mobile

JBoss
BPM

JBoss
BRMS

JBoss
Planner

JBoss
EAP

JBoss
Fuse

JBoss
DataGrid

JBoss
DataVirt

Cloud Forms



DISCOVERY



CAPACITY
PLANNING



REPORTING



AUDITING
COMPLIANCE



ANALYSIS



MONITORING



ORCHESTRATION



POLICY



CHARGEBACK

SATELLITE



PROVISIONING



SUBSCRIPTION
MANAGEMENT



CONFIGURATION
MANAGEMENT



SOFTWARE
MANAGEMENT

Virtual
datacenter

VM - VM



RHEV

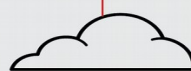
VM - VM - VM



TRADITIONAL APPLICATION

amazon.com
web services

VM - VM - VM - VM



TRADITIONAL AND CLOUD
ENABLED APPLICATION

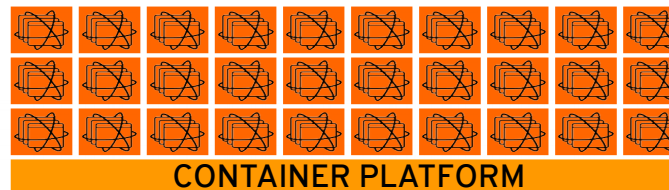


Cloud workload application

Traditional monolithic apps



Micro-services cloud app



Cloud Forms



SATELLITE



Virtual datacenter

VM VM



RHEV

VM VM VM



TRADITIONAL APPLICATION

amazon.com
web services

VM VM VM VM



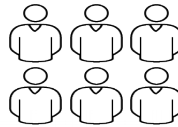
TRADITIONAL AND CLOUD ENABLED APPLICATION

Dev-Ops Paradigm

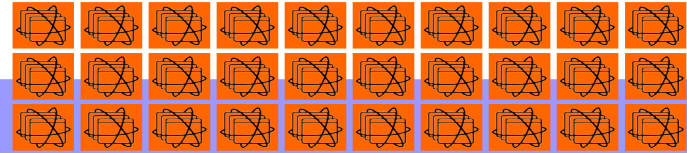
Traditional monolithic apps



Agile Processes Organization and Tooling



Dev



CONTAINER PLATFORM

Ops



Cloud Forms



SATELLITE



Virtual datacenter

VM VM



RHEV

VM VM VM



TRADITIONAL APPLICATION

amazon.com web services

VM VM VM VM



TRADITIONAL AND CLOUD ENABLED APPLICATION



Containers to optimize Micro-services

Traditional monolithic apps



Ready-to-use components
“as a service” to

- Create
- Integrate
- Build
- Deploy

BPMaaS

MBaaS

INTEGRATIONaaS

RULEaaS

DataGRIDaaS

PHP

NoSQLDB

Perl

Apache

CONTAINER PLATFORM

Cloud Forms



SATELLITE



Virtual datacenter

VM VM



RHEV

VM VM VM



TRADITIONAL APPLICATION

amazon.com
web services

VM VM VM VM



TRADITIONAL AND CLOUD
ENABLED APPLICATION

Open Shift

Best PaaS platform – fully container based

OPENSIFT
Enterprise / Online



LANGUAGES AND
FRAMEWORKS



DEVELOPER
EXPERIENCE



CONTINUOUS
INTEGRATION
AND DELIVERY



DEVELOPER
TOOLS

Cloud Forms



DISCOVERY



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PLANNING



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PROVISIONING



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CONFIGURATION
MANAGEMENT



SOFTWARE
MANAGEMENT

Virtual
datacenter

VM — VM



RHEV

VM — VM — VM



TRADITIONAL APPLICATION

 **amazon.com**
web services

VM — VM — VM — VM



TRADITIONAL AND CLOUD
ENABLED APPLICATION



Private Cloud

On premises IaaS

OPENSIFT
Enterprise / Online



LANGUAGES AND FRAMEWORKS



DEVELOPER EXPERIENCE



CONTINUOUS INTEGRATION AND DELIVERY



DEVELOPER TOOLS

Cloud Forms



DISCOVERY



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Virtual datacenter

VM VM



RHEV

VM VM VM



TRADITIONAL APPLICATION

IaaS PLATFORM

VM VM VM VM



SDN / SDS

CLOUD ENABLED APPLICATION

amazon.com
web services

VM VM VM VM



TRADITIONAL AND CLOUD ENABLED APPLICATION

PRIVATE CLOUD

HYBRID CLOUD



RED HAT
FORUM
Europe, Middle East & Africa

Multi-scale hybridity



RHEL Open Stack and Storage

Ultimate scale-out platform

OPENSIFT
Enterprise / Online



LANGUAGES AND FRAMEWORKS



DEVELOPER EXPERIENCE



CONTINUOUS INTEGRATION AND DELIVERY



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Cloud Forms



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Virtual datacenter

VM VM



RHEV

VM VM VM



TRADITIONAL APPLICATION

RHEL Open Stack

VM VM VM VM



RH STORAGE

CLOUD ENABLED APPLICATION

amazon.com
web services

VM VM VM VM



TRADITIONAL AND CLOUD ENABLED APPLICATION

PRIVATE CLOUD

HYBRID CLOUD



RED HAT
FORUM
Europe, Middle East & Africa

Multi-scale hybridity



WITH RED HAT : OPEN HYBRID CLOUD

OPENSIFT
Enterprise / Online

JBoss
Mobile

JBoss
BPM

JBoss
BRMS

JBoss
Planner

JBoss
EAP

JBoss
Fuse

JBoss
DataGrid

JBoss
DataVirt



Red Hat CLOUDFORMS

SATELLITE



Virtual
datacenter

VM VM



TRADITIONAL APPLICATION

RHEV

VM VM VM



RHEL Open Stack

VM VM VM VM



RH STORAGE

CLOUD ENABLED APPLICATION

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web services

VM VM VM VM



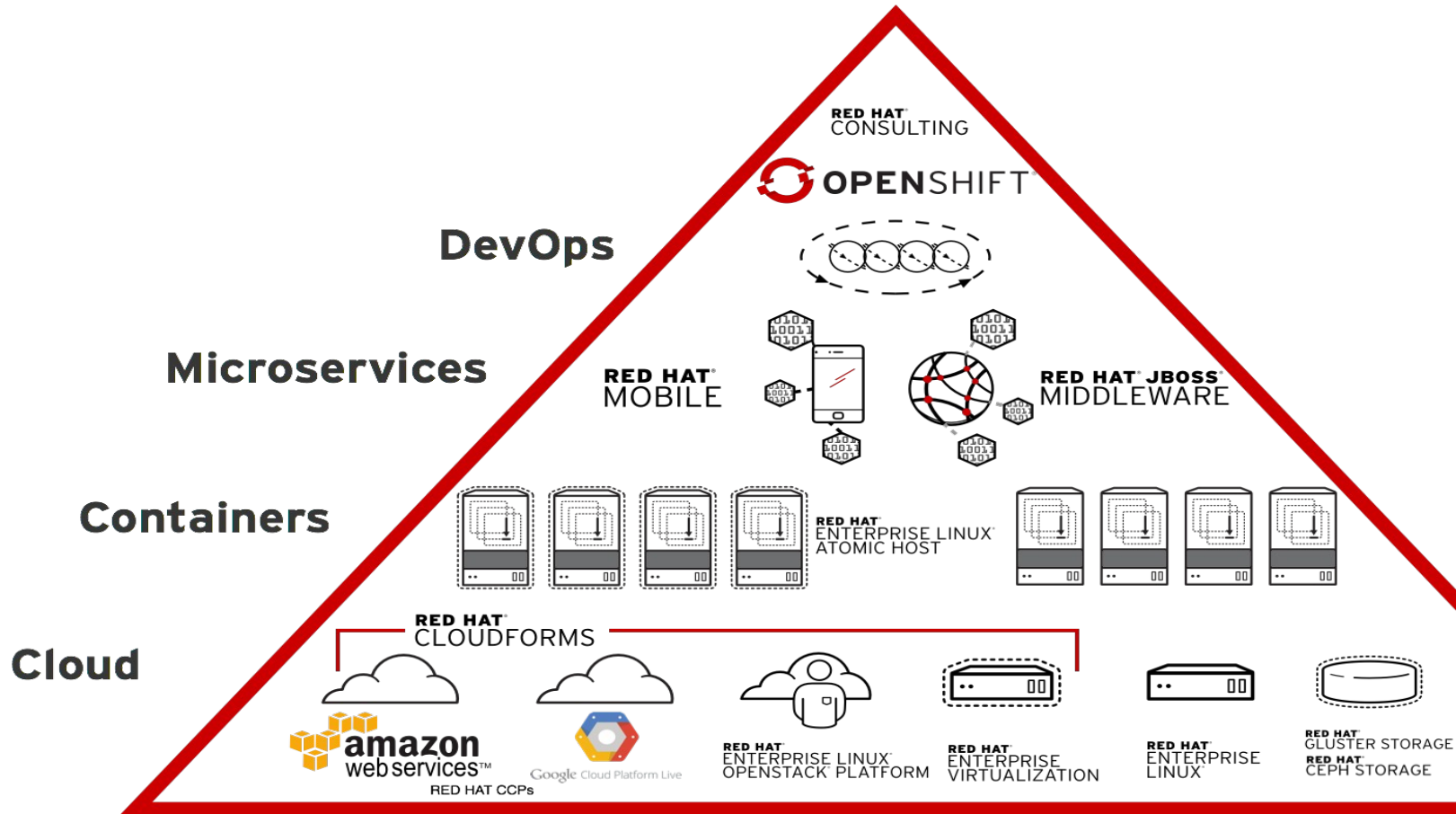
TRADITIONAL AND CLOUD
ENABLED APPLICATION

PRIVATE CLOUD

HYBRID CLOUD



Red Hat Brings It All Together



SOLUTIONS FOR DIGITAL TRANSFORMATION

