Building Blocks for Digital Transformation

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DIGITAL TRANSFORMATION DRIVING DRAMATIC CHANGES IN IT

"The business environment today is pushing companies to respond to ever increasing competition.

In order to remain competitive, they have to deliver their services faster, at greater scale, and do so efficiently in order to remain profitable.

These demands drive application developers to create new applications and deliver them faster.

This further places stress on the IT Operations team who has to provide a scalable, on-demand infrastructure that can service the Developers."

Gartner

CEO
Competitive pressure driving digital transformation

LINE OF BUSINESS
Challenged to deliver services faster, at scale, and more efficiently

DEVELOPERS
Need to develop applications faster with greater productivity

IT OPERATIONS
Must provide infrastructure agility, on-demand that scales as needed

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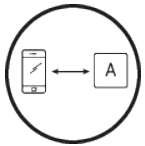
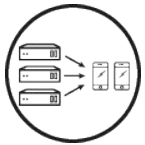
THE CHRONOLOGY OF DIGITAL TRANSFORMATION



Monolith



N-Tier

Microservices

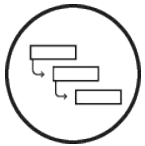
Applications

Datacenter

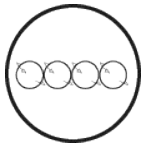
Cloud/Hosted

Hybrid

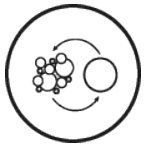
Infinfrastructures



Waterfall



Agile



DevOps

Processes

redhat.

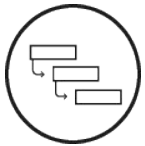
THE CHRONOLOGY OF DIGITAL TRANSFORMATION

LINE OF BUSINESS

“

How do we get new services to market?
How do we accelerate the pace of innovation?
How can technology streamline the process?
How do we manage regulatory requirements (HIPAA, PCI)?
How do we deliver a consistent product?
How do we protect our customer data?

”



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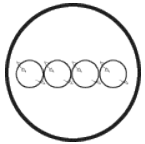
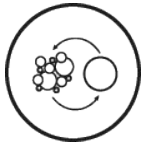


Agile



DevOps

Processes

redhat.

The Building Blocks

Standardize

- Lower Operational Cost
- Meet Regulation Compliance
- Manager Risk

Infrastructure as a Service

- Better manage capital and operating expenses
- Minimize downtime to enable Business Continuity
- Technical Agility and Faster time to market

Advanced Management

- Better Operational awareness
- Apply Regulatory Requirements easily
- Manage and Monitor Cost of assets
- User empowerment

Application Deployment

- Streamline Application Development
- Consistency in deployments
- Optimize development time

The Red Hat Offerings

Standardize

RED HAT® ENTERPRISE LINUX®

RED HAT® SATELLITE

RED HAT® INSIGHTS

ANSIBLE by Red Hat®

Infrastructure as a Service

RED HAT® VIRTUALIZATION

RED HAT® OPENSTACK® PLATFORM

Advanced Management

RED HAT® CLOUDFORMS

ANSIBLE TOWER by Red Hat®

Application Deployment

RED HAT® OPENSHIFT Container Platform

RED HAT® OPENSHIFT Dedicated

COMMON USE CASES

STANDARDIZE: IT Process Automation

BUSINESS DRIVERS

EFFICIENCY: Do more with less

AGILITY: Faster application delivery

RISK MANAGEMENT: Business value as code

DEVOPS

AGILE

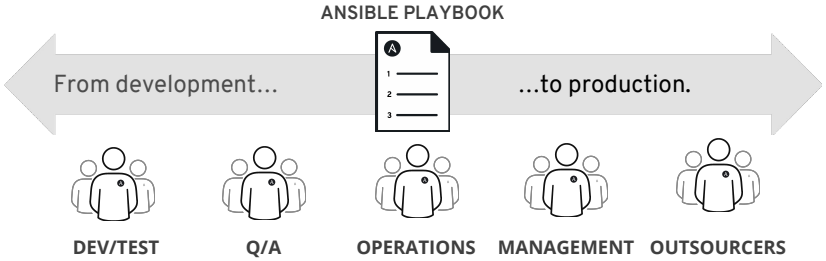
MODERNIZE

MIGRATION

OPTIMIZE

SOLUTION

ANSIBLE TOWER by Red Hat®



IaaS: Private Cloud Service

BUSINESS DRIVERS

SOFTWARE DEFINED DATACENTER: Extendable Infrastructure ecosystem

CONTROL: Lifecycle and governance policies

SELF-MANAGED: Empowering end-users

CAPEX: Own the hardware

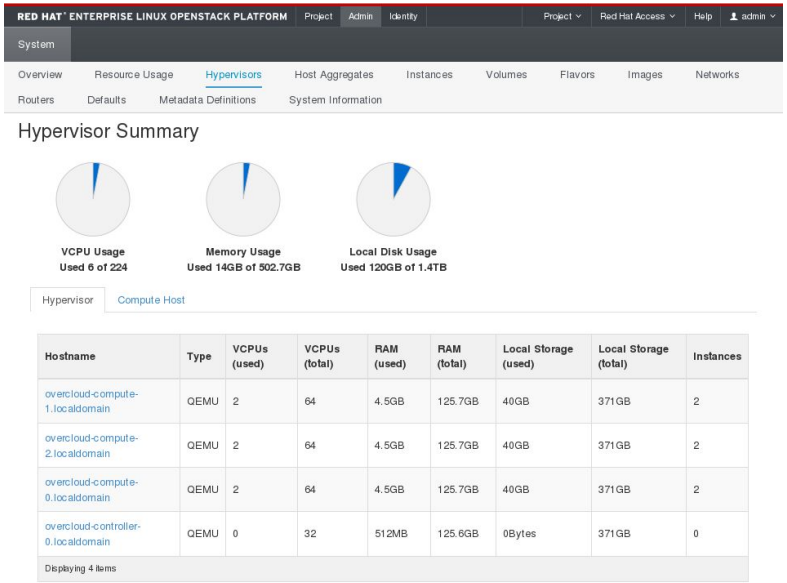
DEVOPS

MODERNIZE

IaaS

SOLUTION

RED HAT® OPENSTACK® PLATFORM + RED HAT® CLOUDFORMS + RED HAT® STORAGE



ADVANCED MANAGEMENT: Management for Hybrid Cloud

BUSINESS DRIVERS

UNIFIED MANAGEMENT: Operational Awareness

GOVERNANCE: Policies and checks for Regulations

COST MONITORING: Predict consumption using historical data

USER EMPOWERMENT: Cloud-like Self Service

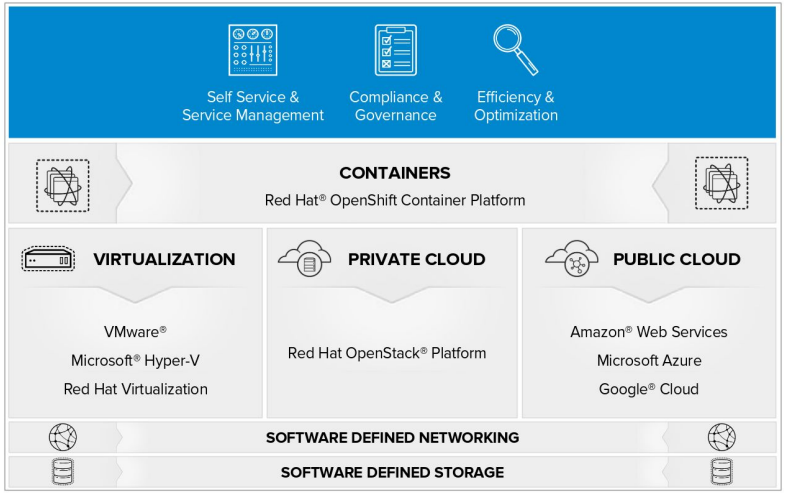
HYBRID

CLOUD EFFICIENCY

MIGRATION

SOLUTION

RED HAT® CLOUDFORMS + Ansible



ADVANCED MANAGEMENT: Accelerate Service Delivery

BUSINESS DRIVERS

USER EMPOWERMENT: Self Service Portal and Service Catalogs

CONSISTENCY: Automation and Infrastructure as code

MANAGE COST: User Chargeback and Right Size VM

RESOURCE MANAGEMENT: Reports and Monitor

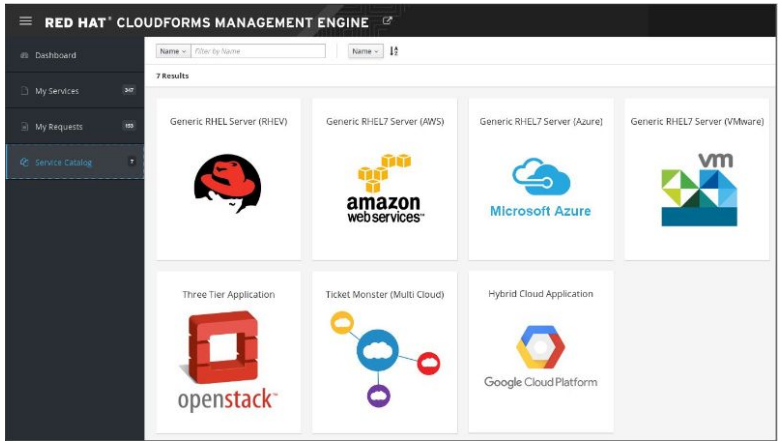
ENABLING USERS

SERVICE LIFECYCLE

EFFICIENCY & AGILITY

SOLUTION

+ RED HAT® CLOUDFORMS



APP DEPLOYMENT: Accelerate Service Delivery

BUSINESS DRIVERS

STREAMLINED DEPLOYMENT: Common Platform for Development and Operations

CONSISTENCY: Build and Deploy containerized applications

RISK MITIGATION: CI/CD and Canary Deployments

RESOURCE MANAGEMENT: Reports and Monitor

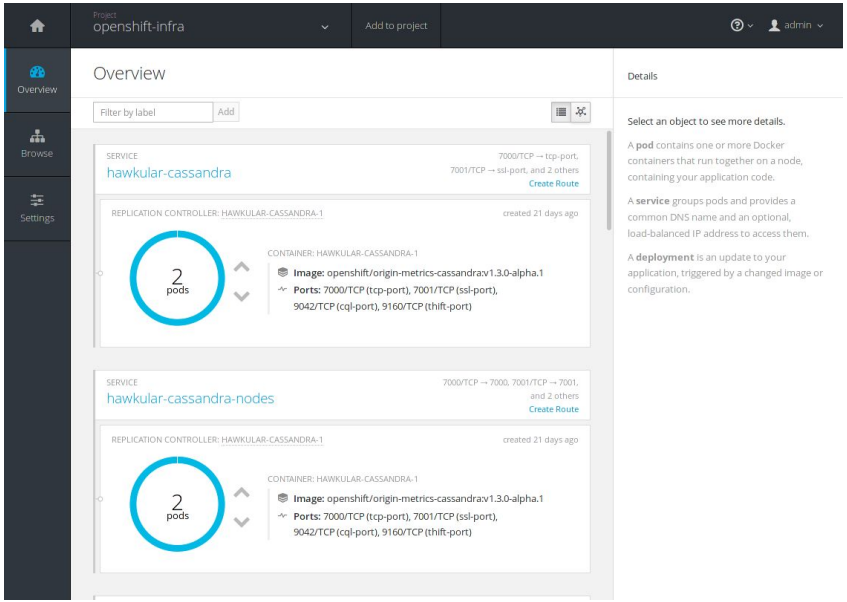
DevOps

Containers

EFFICIENCY & AGILITY

SOLUTION

RED HAT® OPENSHIFT Container Platform + RED HAT® CLOUDFORMS



Benefits of the Digital Transformation

Standardize

- Optimizing Linux server infrastructure costs — saving $3,566 per 100 users per year
- Enhancing IT staff productivity — lowering the labor costs of supporting services by $3,318 per 100 users per year while improving IT services quality
- Driving end-user productivity by delivering more reliable operational performance — adding $2,319 in value per 100 users per year
- Increasing business productivity — lowering operations costs and adding new revenue totaling $2,345 per 100 users per year

IDC White Paper : http://bit.ly/2iVwUB8

Infrastructure as a Service

- IT infrastructure cost savings (CAPEX)
  - 22% fewer servers required to run the same workload when Red Hat Enterprise Linux is deployed
  - 43% lower server maintenance costs
  - 27% more users per Red Hat Enterprise Linux server,
- IT staff productivity benefits (OPEX)
  - 45% less staff time per 100 users to support equivalent workloads
  - $13,044 per 100 users over three years

Red Hat IDC Infograph: http://red.ht/2jvumwz

Advanced Management

- Enabling organizations to deliver services and infrastructure in much less time and with greater frequency.
- Enhancing productivity with self-service capabilities
- Improving business outcomes by making DevOps and application development teams more effective and supporting more reliable and robust IT operations
- Freeing up IT staff time from discovering, tracking, and optimizing IT resources

*IDC calculates that they will realize benefits with an average value of $11,937 per 100 users per year a return on investment (ROI) of 436%

IDC Whitepaper: http://red.ht/2jIS8H3

Application Deploy

- Enabling developers to deliver more timely, robust, and functional applications and features
- Improving business results and operational efficiency by meeting customer and user demand
- Requiring less staff time for ongoing management of applications
- Reducing the proportion of application development costs associated with infrastructure and development platforms

*IDC 531% average five-year ROI, 66% faster application development lifecycle, 35% less IT staff time required per application developed, 38% lower IT infrastructure cost

IDC Whitepaper: http://red.ht/2i6EXOm

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Thanks!

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Draft Use Cases

Policy Based Governance & Compliance

BUSINESS DRIVERS

MONITORING: Identify and manage vulnerabilities

PROACTIVE GOVERNANCE: Security, policy, and compliance

REMEDIATION: Fixes generation and automation

AUTOMATION enables **CONSISTENCY** for **SECURITY** across the Enterprise.

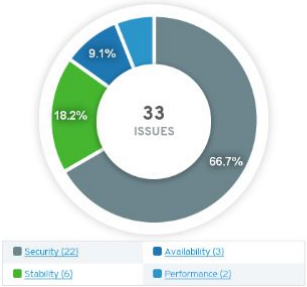
INFRA. COMPLIANCE

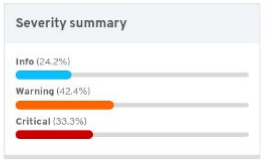
ENFORCE SECURITY GUIDELINES

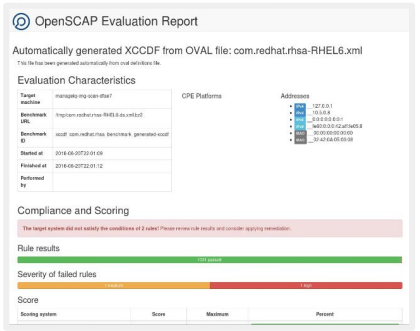
PROACTIVE GOVERNANCE

SOLUTION

RED HAT® CLOUDFORMS + ANSIBLE TOWER by Red Hat® + RED HAT® INSIGHTS







IAAS: MODERN VIRTUALIZATION

BUSINESS DRIVERS

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