Monitoring the New Enterprise Cloud

Autonomous journey with OpenShift, Ansible and Dynatrace

Manuel Wallnöfer – Director Enterprise Cloud

#RedHatOSD
Our global enterprise app performance expertise

1,800 employees WW

8,000+ customers across 6 continents

- Fortune 100: 72/100
- Cloud providers: 9/10
- Banks: 8/10
- Retailers: 8/10
- Tech brands: 9/10
- Manufacturers: 9/10

8 years MQ Leader

confidential
Optimize customer experience
Modernize operations
Accelerate innovation

Full-Stack monitoring
All-in-one platform

Mobile
Application
Code
Database
Network
Container
Micro-service

Browser
Synthetic
Server
Mainframe
Log & Events
API
Cloud

Smartscape & PurePath, business transaction topology

Big Data analytics
Powered by A.I.
Software intelligence for the enterprise cloud

Go beyond APM with our all-in-one platform

Automated
Monitoring of Cloud Foundry, OpenShift, Kubernetes, Docker, AWS, Azure and VMware technologies; including purpose-built monitoring views with embedded expertise and best practice.

Full stack
Monitor cloud platforms and supporting infrastructure in context, instead of siloed views across individual technology domains requiring manual, multi-tool integration and reporting.

AI-powered
Availability monitoring and root-cause analysis, instead of simple baselines and static thresholds that fail in dynamic environments.

Learn more
Dynatrace - Software intelligence for the enterprise cloud

Every user, every app, everywhere. AI powered, full stack, fully automated.

We saw this coming...
- 2012: Build new platform
- 2014: Introduce to market
- 2016: Enterprise ready
- Today: It’s everywhere

Hybrid, multi-cloud | all-in-one solution
Digital transformation is happening everywhere

- 93% of CxOs believe that digital will disrupt their business
  - Forrester

- By 2020, CEOs expect 41% of revenue to be driven by digital
  - Gartner

- Less than 3% of incidents are found before affecting users
  - Gartner

- 87% of companies think that digital transformation is a competitive opportunity
  - Capgemini

- 60% rate app performance as #1 expectation, ahead of features
  - Forrester

- 51% of millennials will complain on social when user experience is bad
  - Harris Poll

powered by the new enterprise cloud
The era of the new enterprise cloud is here.
Attributes of the new enterprise cloud

1. Hybrid, multi-cloud
   - AWS
   - GCP
   - Azure
   - Private cloud
   - On-premise

2. Web-scale and enterprise grade
   - Compute
   - Automation
   - Secure
   - Practices

3. Microservices and containers
   - Kubernetes
   - OpenShift
   - Cloud Foundry
   - Container Services

4. DevOps collaboration
Managing the enterprise cloud is hard

This is why monitoring is more important than ever

1. Hybrid, multicloud
2. Web-scale and enterprise grade
3. Microservices and containers
4. DevOps collaboration
Traditional monitoring is not enough for New Enterprise Cloud
90% of enterprises are hybrid, multicloud by 2020
Enterprises need to increase visibility from 5% to 50%
70% of enterprises are running microservices in prod
85% of enterprises are implementing DevOps
The steps in the journey to Autonomous Enterprise Cloud

- Tool Consolidation
- PaaS Migration
- Unbreakable Pipeline
- Change culture
- Enterprise Automation
  - Biz Automation
  - Self Healing
- Security Detection
  - Self Protecting
- Information Democracy
  - Virtual Operations
- Runbook Automation
- Biz Impact
- Change culture
- Free up resources
- Enable self-driving
- Implement safety nets
- Enterprise Automation
  - Self Healing
  - Self Protecting
  - Virtual Operations
Step 1 – Free up resources

Tool Consolidation:

OpenShift Container Platform
Dynatrace Software Intelligence
Ansible Automation
Step 2 – Enable self-driving

PaaS Migration:

- Monolith-to-Microservices
- Agile Development
- Automated Pipelines
Step 3 – Implement safety nets

Unbreakable Pipelines:

Shift-left pipeline automation
Shift-right pipeline intelligence
Smart auto-remediation
Step 4 – Change the culture

Break down the silos:

- Implement runbook automation
- Measure business impact
- Democratize information
Step 5 – Enterprise automation

System Autonomy:

Self-healing and recovery
Business automation
Autonomous IT
How we help our customers

- All-in-one
- AI-powered
- Fully automated
- Cloud native
  Enterprise grade

- Tool consolidation
  1/10th the TCO
- 20x faster MTTR
  Answers, not data
- 1/10th the people
  Easiest, lowest TCO
- 100x scale
  Made for your stack
Use Cases where we see customers adopting OpenShift + Dynatrace

- Containers, Cloud Apps, Hybrid Cloud, Innovation
- Monoliths to Microservices Application Modernisation (Cloud Migration)
- Cloud Native Application Development
- Digital Process Driven Application Development
GRAZIE PER L’ATTENZIONE

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