



# Monitoring the New Enterprise Cloud

Autonomous journey with OpenShift, Ansible and Dynatrace

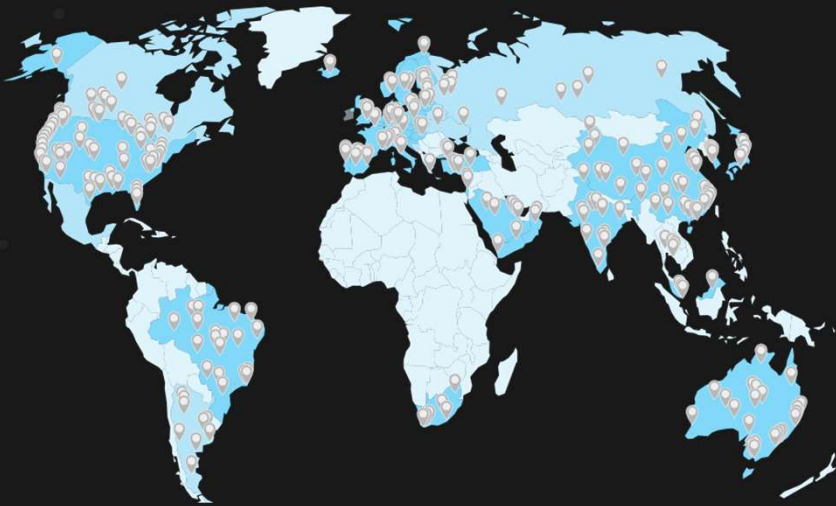
Manuel Wallnöfer – Director Enterprise Cloud



#RedHatOSD

# dynatrace - Our global enterprise app performance expertise

1.800 employees WW



8,000+ customers across 6 continents



Fortune 100



Cloud providers



Banks



Retailers



Tech brands



Manufacturers

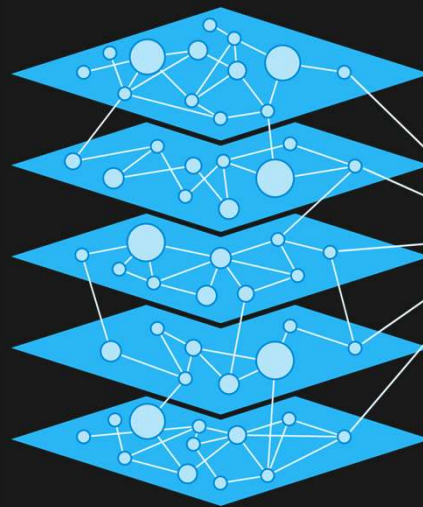
8  
years



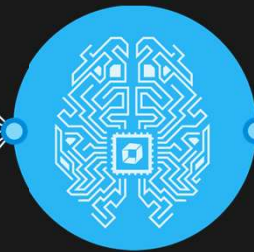


Mobile	Browser
Application	Synthetic
Code	Server
Database	Mainframe
Network	Log & Events
Container	API
Micro-service	Cloud

Full-Stack monitoring  
All-in-one platform



Smartscape &  
PurePath, business  
transaction topology



Big Data analytics  
Powered by A.I.

Optimize customer  
experience  
Modernize  
operations  
Accelerate  
innovation

# 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.

[Learn more](#)



## 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.

[Learn more](#)



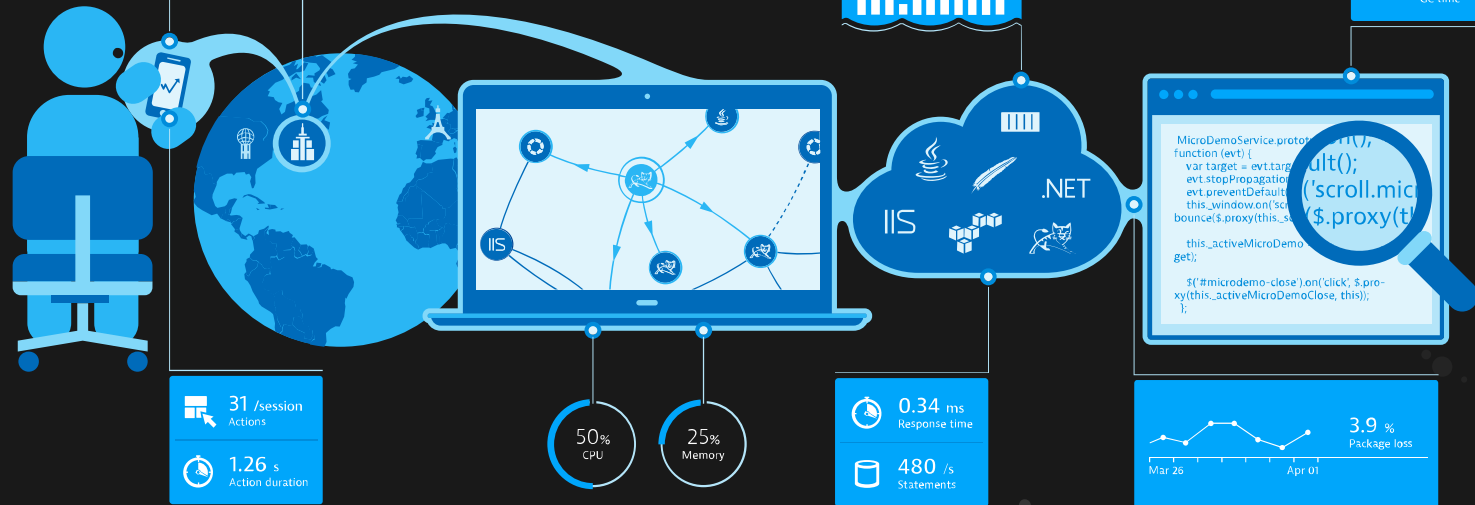
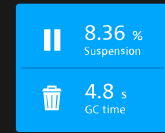
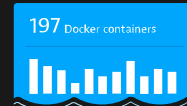
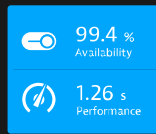
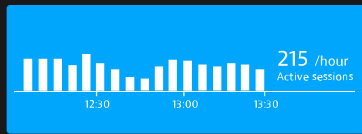
## AI-powered

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



**RETAIL**

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

Gartner



**TELCO AND MEDIA**

Less than 3% of incidents are found before affecting users

Gartner



**GOVERNMENT**



**FINANCE**

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

Capgemini



**TRAVEL**

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

Forrester



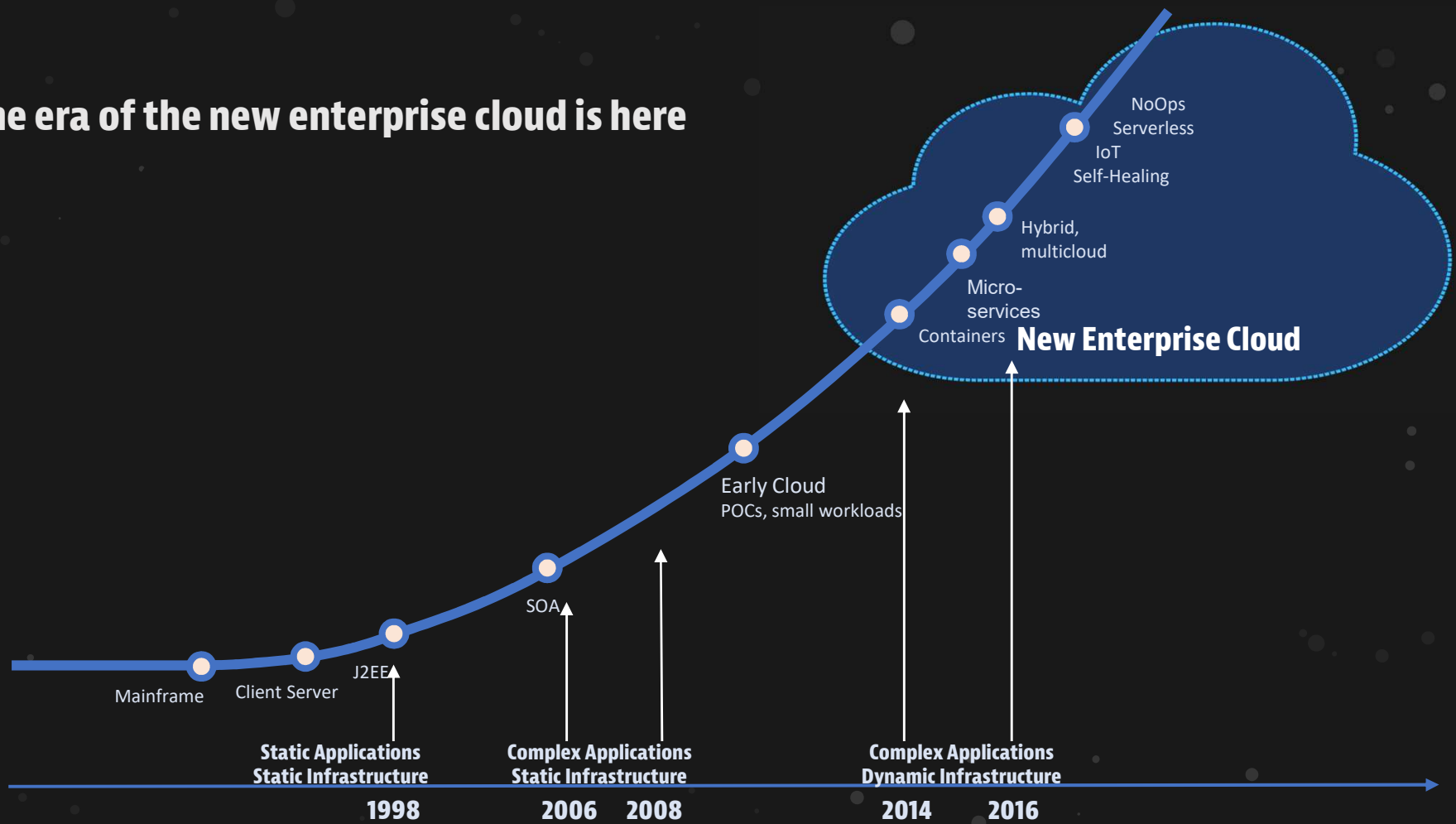
**CONSUMER GOODS**

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

Harris Poll

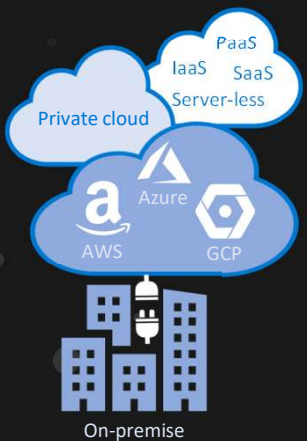
**powered by the new enterprise cloud**

# The era of the new enterprise cloud is here



# Attributes of the new enterprise cloud

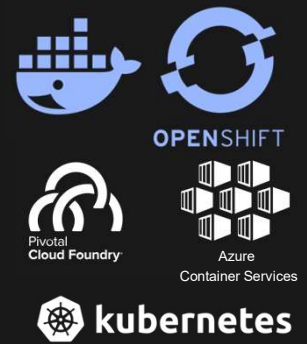
## 1 Hybrid, multi-cloud



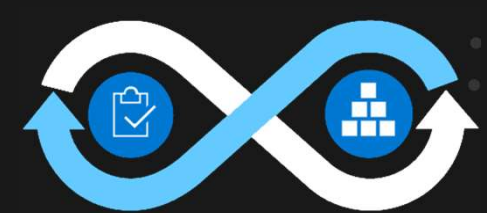
## 2 Web-scale and enterprise grade



## 3 Microservices and containers



## 4 DevOps collaboration





# Managing the enterprise cloud is hard



This is why monitoring is more important than ever

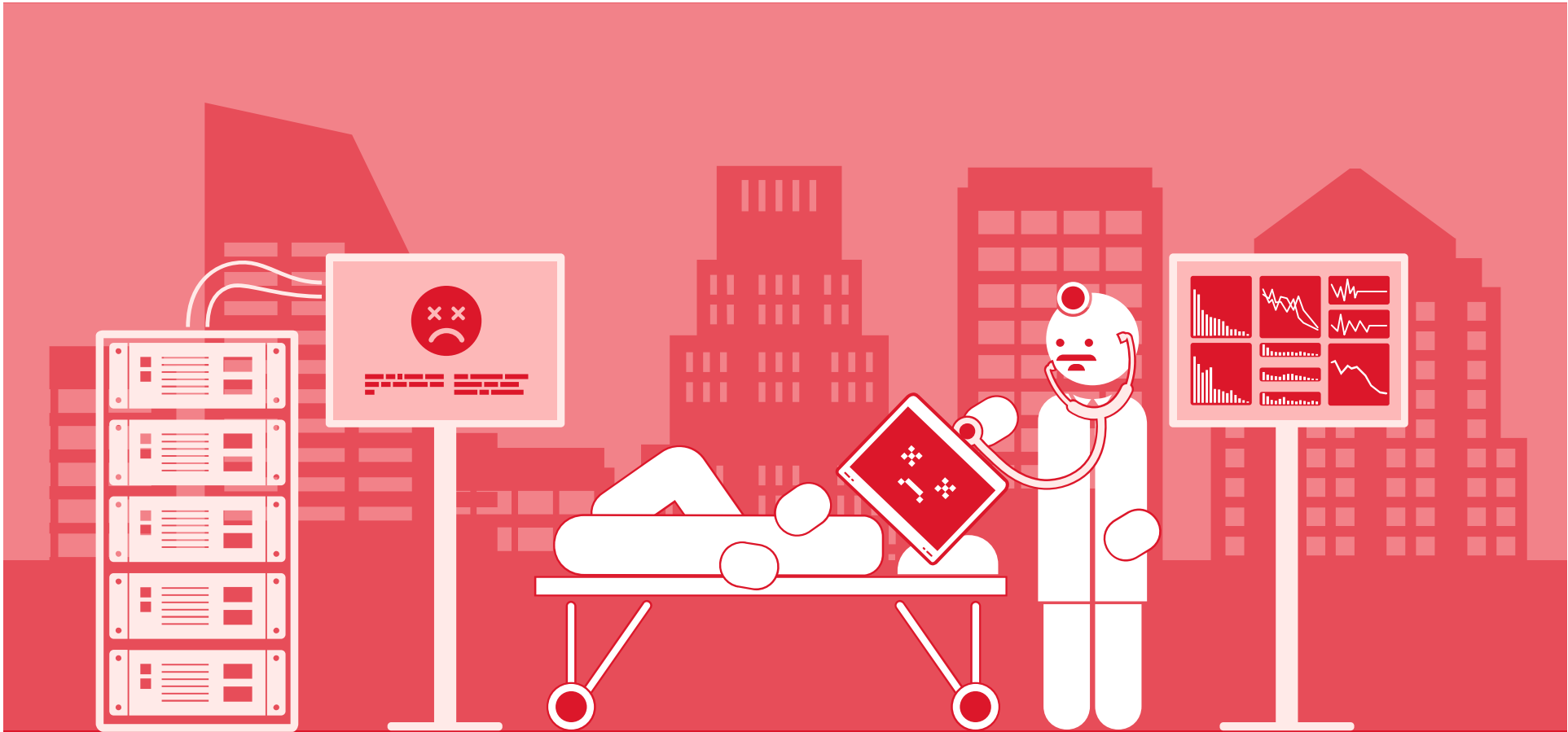


1 Hybrid, multcloud

2 Web-scale and enterprise grade

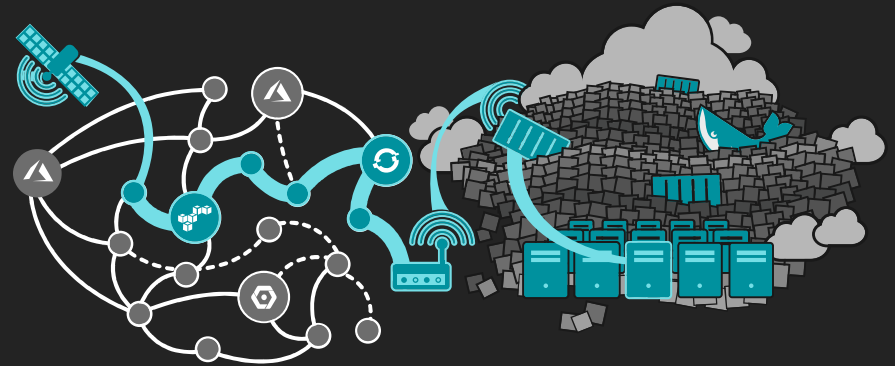
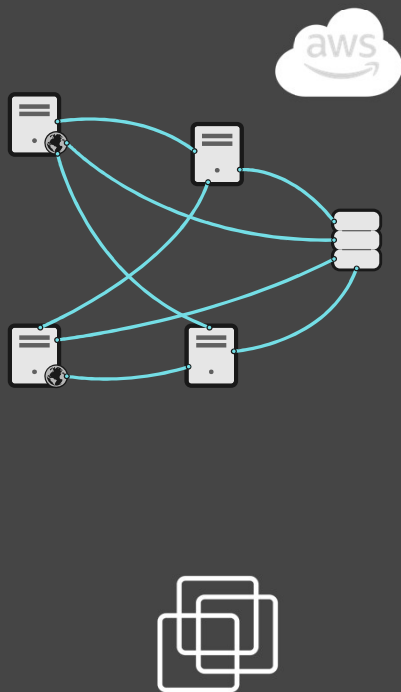
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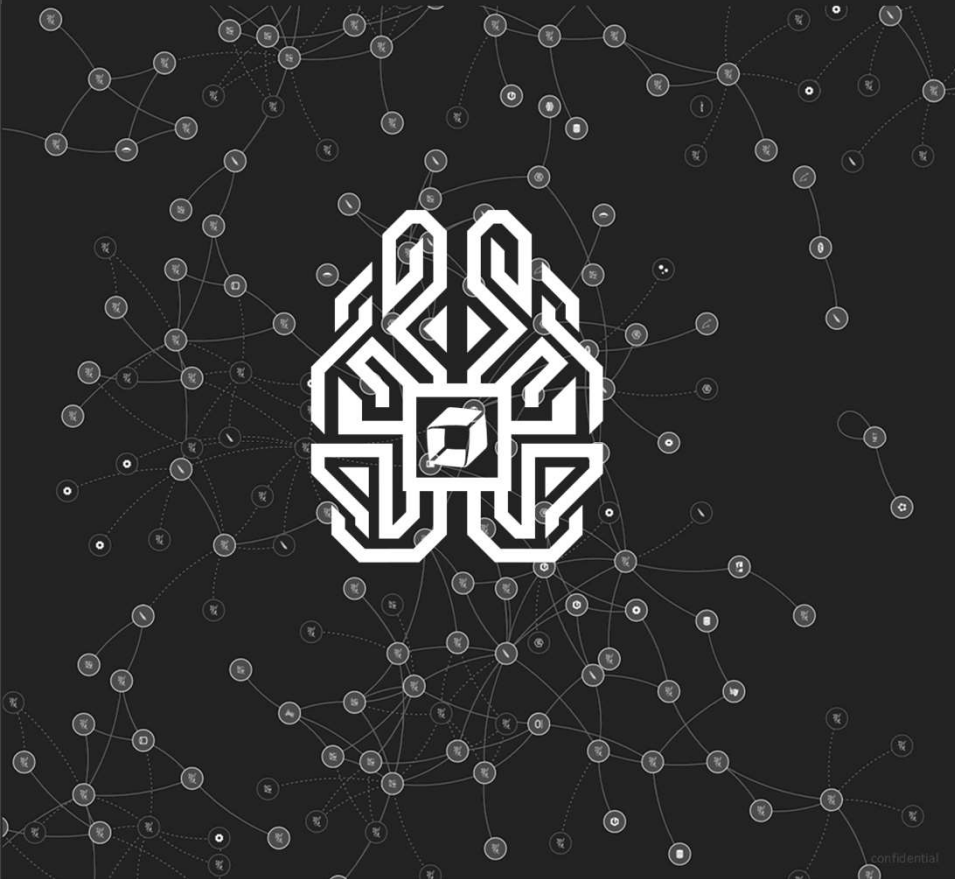
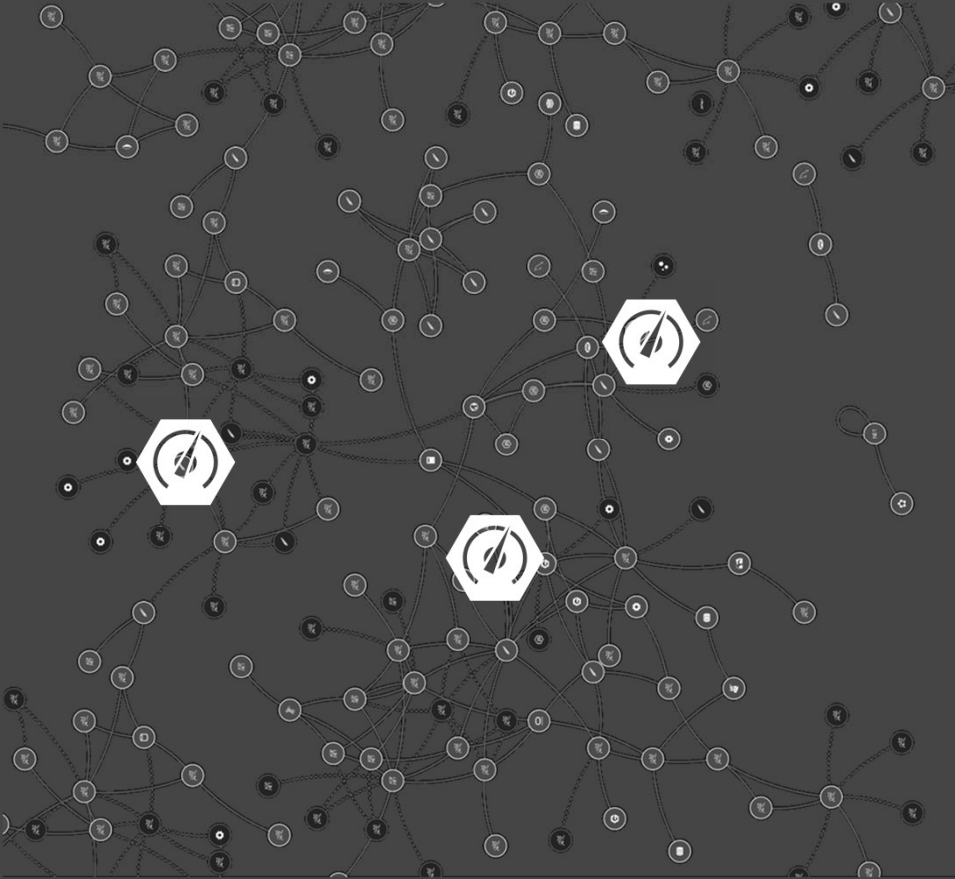


Traditional monitoring is not enough for New Enterprise Cloud

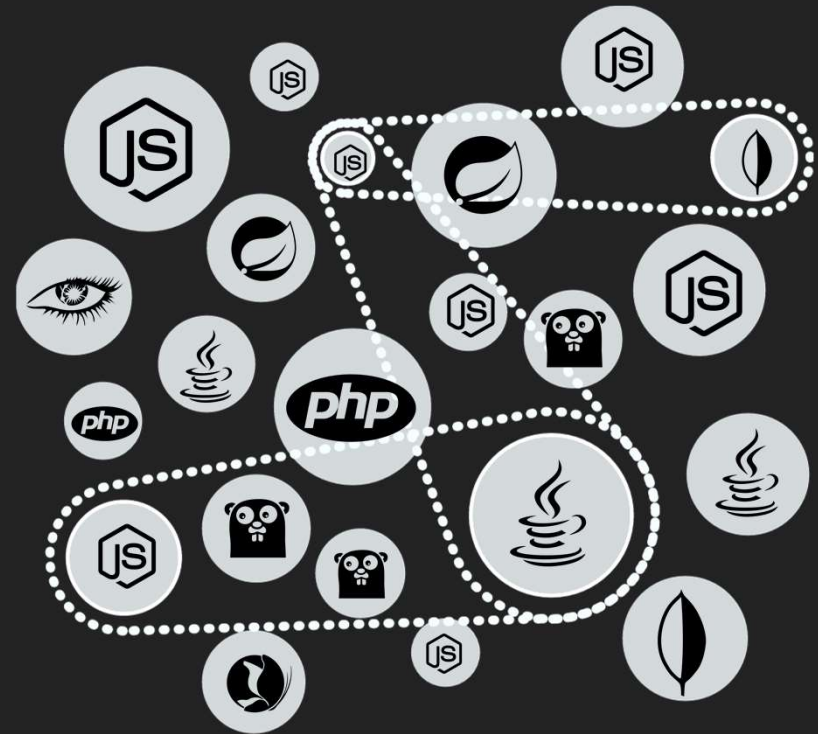
# 90% of enterprises are hybrid, multicloud by 2020



Enterprises need to increase visibility from 5% to 50%



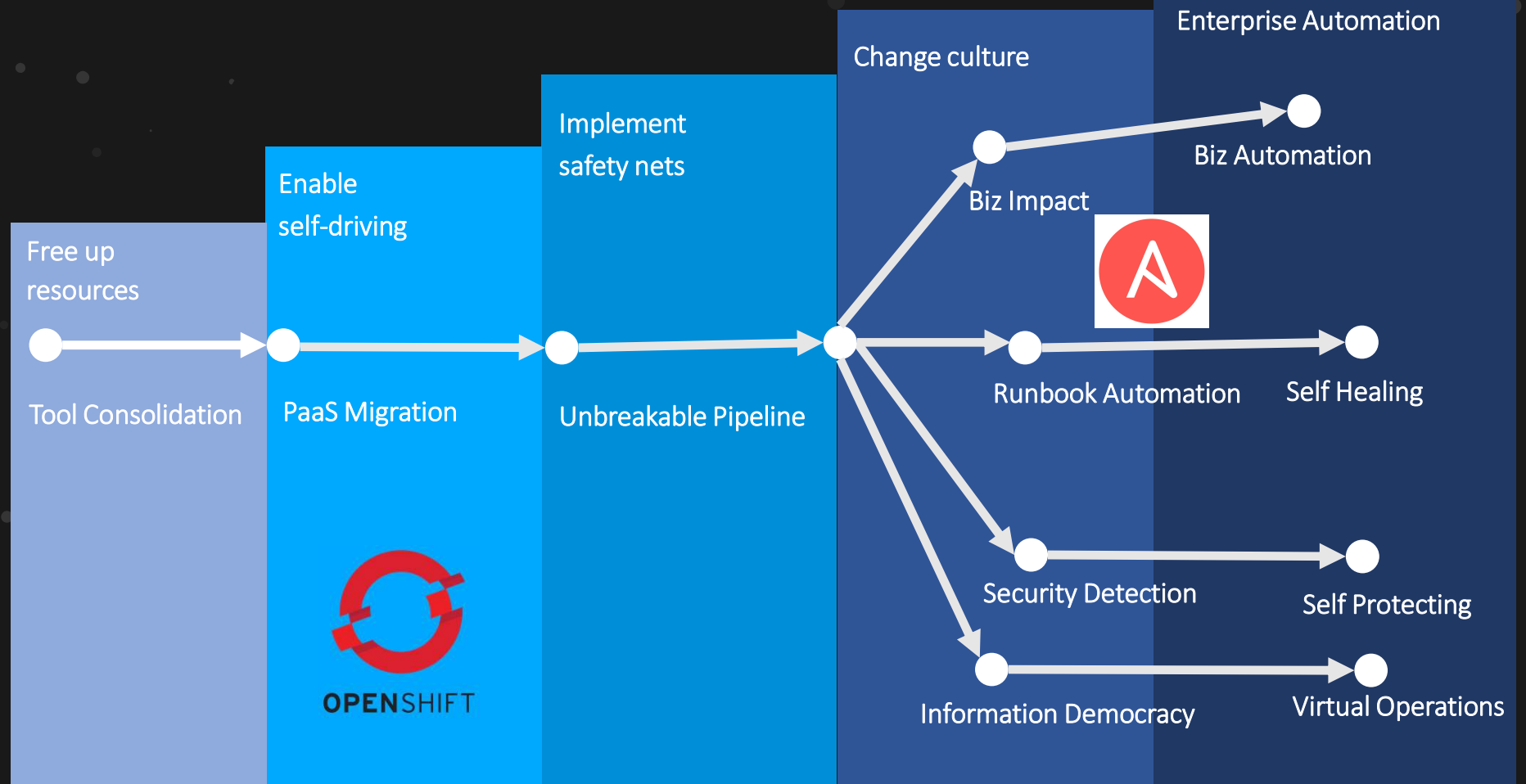
70% of enterprises are running microservices in prod



85% of enterprises are implementing DevOps



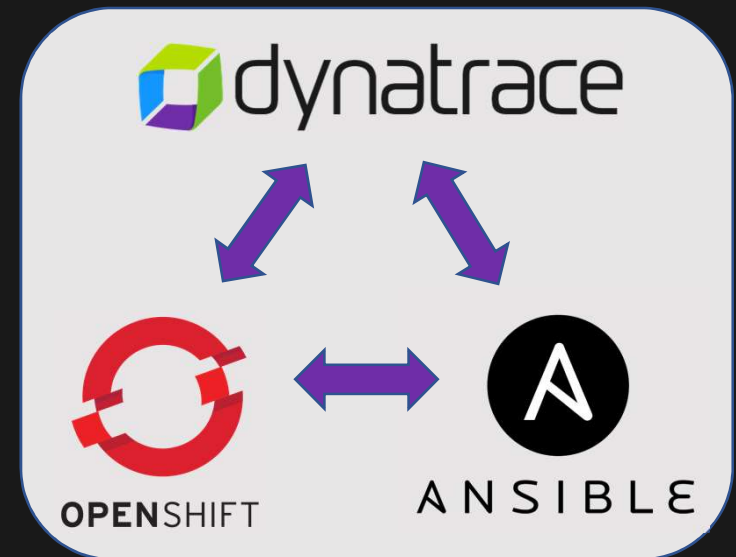
# The steps in the journey to Autonomous Enterprise Cloud



## Step 1 – Free up resources

### Tool Consolidation:

OpenShift Container Platform  
Dynatrace Software Intelligence  
Ansible Automation

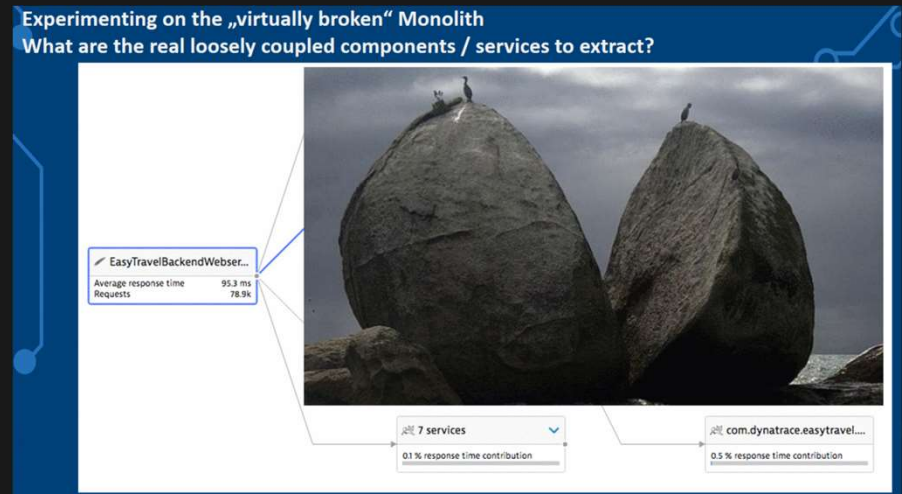




## Step 2 – Enable self-driving

### 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

<https://github.com/dynatrace-innovationlab/jenkins-dynatrace-pipeline-tutorial>

Checkout	Build	CleanStaging	Deploy Staging	Testing	Validate Staging	Deploy Production	WarmUpProduction	ValidateProduction
1s	2s	2s	2s	1min 56s	1s	3s	3min 47s	2s
1s	4s	1s	2s	2min 8s	2s	2s	1min 9s	1s

SampleNodeService

Push Tags & Metadata

Push Events (Deploys, Tests..)

Pull data as artifacts

dynatrace

## Step 4 – Change the culture

Break down the silos:

Implement runbook automation

Measure business impact

Democratize information



## Step 5 – Enterprise automation

### System Autonomy:

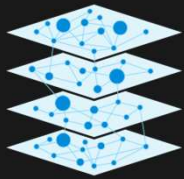
Self-healing and recovery

Business automation

Autonomous IT



# How we help our customers



All-in-one

Tool consolidation  
1/10<sup>th</sup> the TCO



AI-powered

20x faster MTTR  
Answers, not data



Fully automated

1/10<sup>th</sup> the people  
Easiest, lowest TCO



Cloud native  
Enterprise grade

100x scale  
Made for your stack



= ideal container platform  
= ideal Dynatrace environment

### 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

# Seeing is believing

Start my free 15-day Dynatrace trial!

Your email address

Start free trial

No credit card required

[www.dynatrace.com/trial/](http://www.dynatrace.com/trial/)

**DEMO TIME**

Visit our Booth for a live Demo!! 😊



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GRAZIE PER L'ATTENZIONE

Manuel Wallnöfer – Director Enterprise Cloud



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