# Dynatrace Cloud Infrastructure Monitoring

Simplified. Al-powered. All-in-one.





Adam Dawson

Director, Product Management

Dynatrace



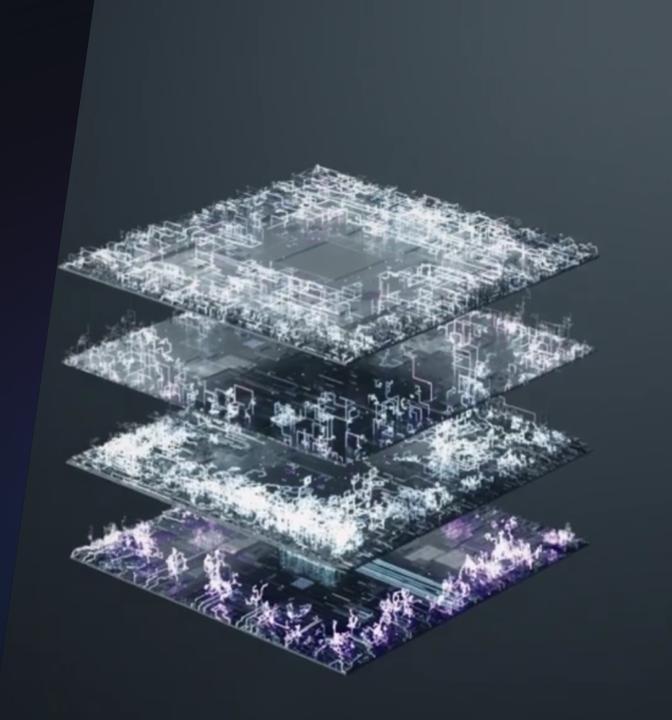
## Agenda

- The Best Kept Secret at Dynatrace
- Simplified, All-in-one, Cloud Monitoring
- Top Use Cases for Cloud Infrastructure Monitoring
- Product Overview / Demo



# Infrastructure and Applications are now Inextricably Linked

- DevOps and CI/CD
- Microservices and Containers
- Serverless
- Software-defined
  - Servers
  - Storage
  - Networks
- Enterprise Hybrid Cloud





## Traditional and Cloudy Monitoring Approaches Aren't Working

## **Traditional Tools**

- Many siloed tools
- Too much manual setup and config
- Not cloud-ready
- Not intelligent

## **Cloud Point Tools**

- Too many tools
- Difficult to set up and integrate
- No answers, just data
- Too much noise/info





Dynatrace Cloud Infrastructure Monitoring. Simplified. Al-powered. All-in-one.

Automatically maps and monitors your enterprise cloud without manual configuration

Applies Dynatrace Al magic to infrastructure monitoring

A single product with a unified full-stack view for Dev, Ops, and Infra teams

### THE SOLUTION

Simplified <

Al-powered and Automated

All-in-one

## **Simplified Enterprise Cloud Monitoring**

- OneAgent single installer automatically discovers, maps, and monitors infrastructure components anywhere in your enterprise cloud.
- Reduces the need for legacy and platformspecific point tools and manual configuration
- Dynatrace Smartscape makes understanding and managing your dynamic cloud architecture simple and understandable



dvnatrace



## THE SOLUTION

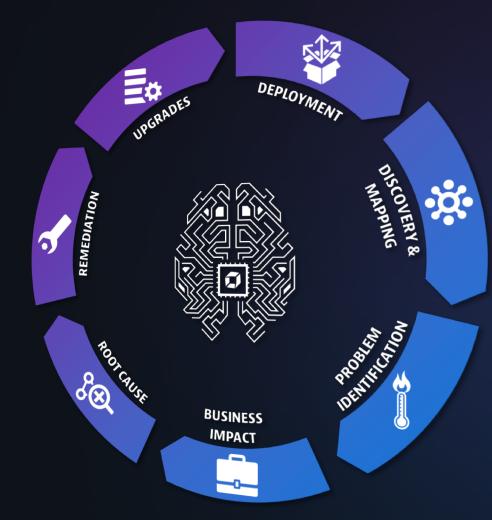
Simplified

Al-powered and Automated

All-in-one

## Fully automated, with scale, out of the box.

- Al continuously baselines performance and serves precise root causation
- Automatic topology mapping in a dynamic environment
- OneAgent automated deployment and updates
- Web-scale without throttling capture





Simplified

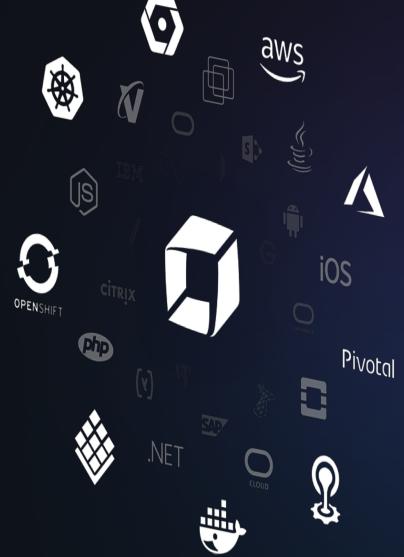
Al-powered and Automated

All-in-one ◀



## One Platform For the Enterprise Cloud

- Single view across your entire hybrid-cloud ecosystem from monolithic and mainframe to your new cloud platform.
- Full stack coverage for Application
   Performance, Cloud Infrastructure, Digital
   Experience and AIOps
- Deep cloud integrations with all leading cloud providers.



## **Example Cloud Infrastructure Monitoring Use Cases**

Application Services
Architecture

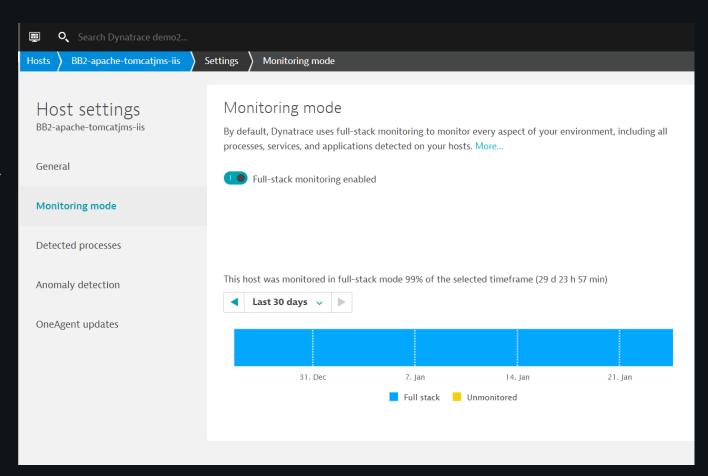
Packaged/Business Applications Secondary Apps and Systems

## **Product Demo**



## **Enabling Infrastructure Only Mode**

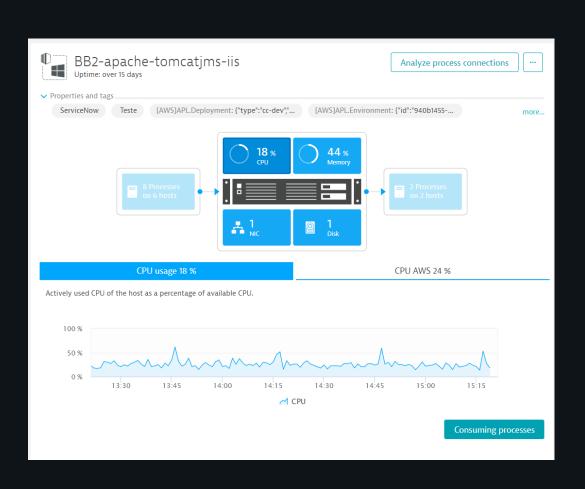
- Any system with a OneAgent is automatically monitored
- Choose between full-stack and infrastructureonly mode at any time in Dynatrace settings

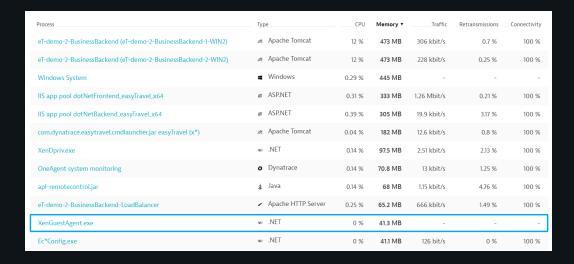


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## Infrastructure components monitored in Dynatrace Hosts







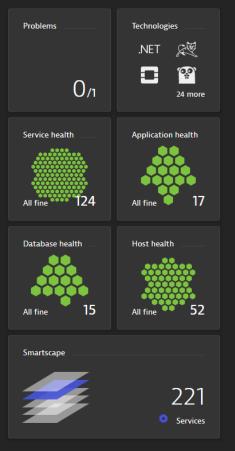
## dynatrace Perform

## Dynatrace Infrastructure Dashboards

Enterprise Cloud Dashboard

#### Owned by gavin.hunter@dynatrace.com

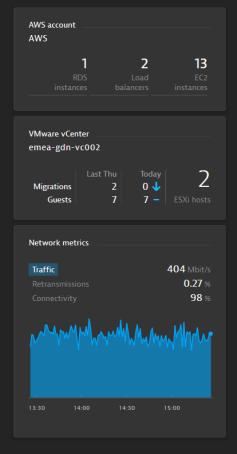
#### **Enterprise Cloud Summary**



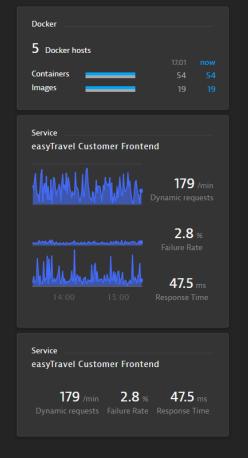
#### **User Experience**



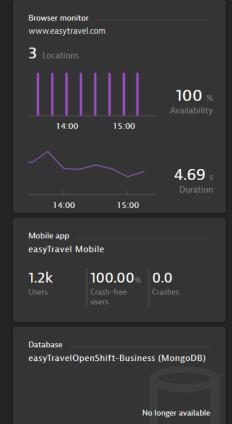
#### **Hybrid Cloud**



#### Micro Services

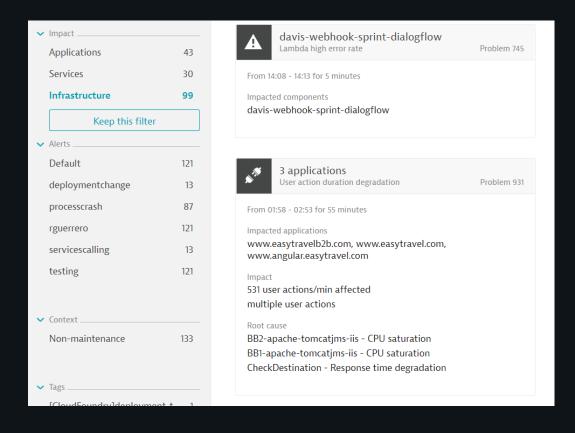


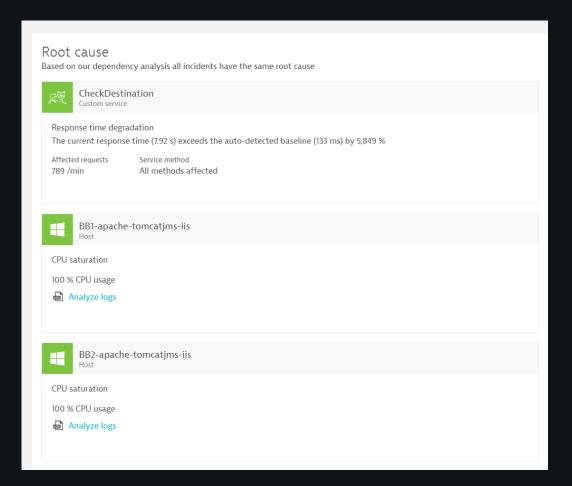
#### **SLA's and Availability**





## **Investigating and Resolving Problems**

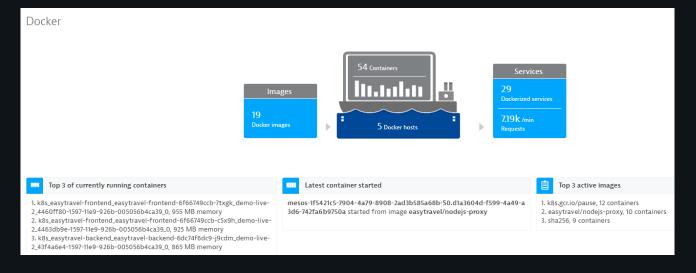






## AWS and Docker Infrastructure Monitoring







## **Extensions and Plugins**

## **ActiveGate Plugins**

Technology

<u>DataPower</u>

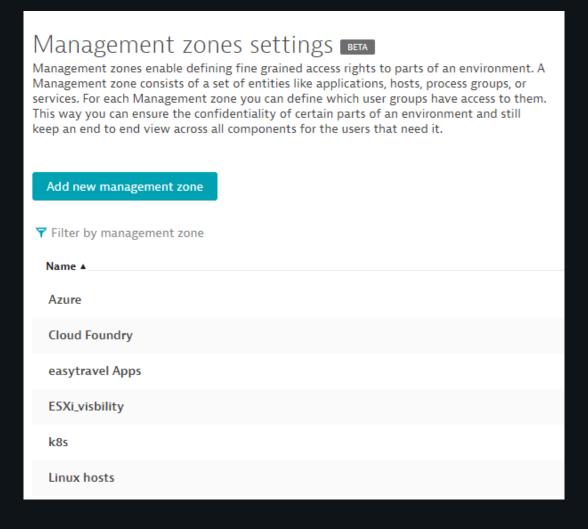
F5 BIG-IP LTM

Windows Server 2003

OneAgent Plugins	
Technology	Versions
.NET CLR	
<u>ActiveMQ</u>	5.8.0+
Cassandra	2.0+
Couchbase	4.3+
<u>CouchDB</u>	1.5.0+
<u>Elasticsearch</u>	2.3+
<u>Hadoop</u>	2.4.1+
<u>HAProxy</u>	Daemon-mode only (-D option) 1.4, 1.5, 1.6
<u>Kafka</u>	0.9.0.1+
Memcached	1.4.24+
Microsoft SQL Server	2008, 2012, 2014, 2016, 2017
MySQL <sup>1</sup>	5.7
<u>MongoDB</u>	2.6+
<u>PostgreSQL</u>	9.1+
RabbitMQ <sup>3</sup>	3.4.0+
Redis	2.8+
<u>Spark</u>	1.6



## **Management Zones**

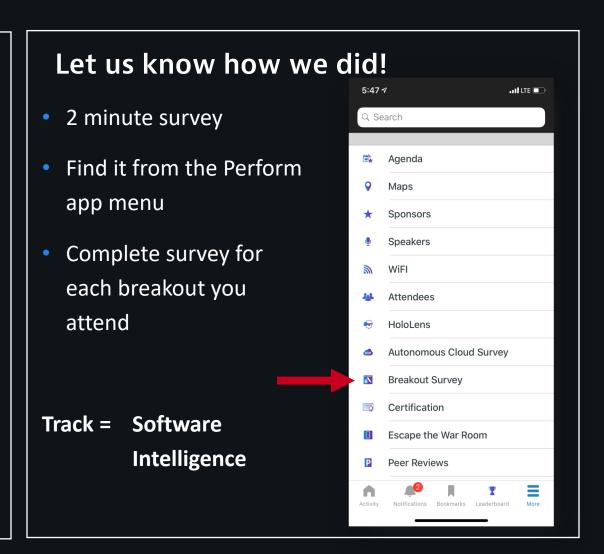




## Call to Action: Extend the power of Dynatrace to Cloud Infrastructure!

## Your To-Do List

- ✓ Deploy a OneAgent in Infrastructure-only mode
- ✓ Try a OneAgent or ActiveGate Extension
- ✓ Finally kick out a legacy tool
- ✓ Meet us in the Marketplace



# Thank you



# Backup Slides