



# EMA INNOVATORS VMWORLD 2017 TOP 3



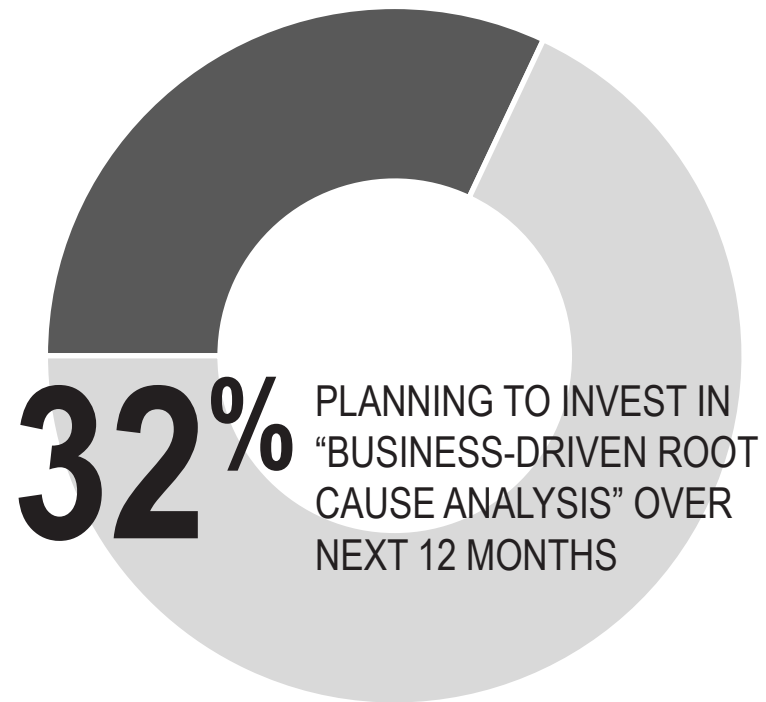
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An Enterprise Management Associates  
Research Report

Written by Torsten Volk  
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## It's All About the Business

Enterprise Management Associates (EMA) Innovators of VMworld 2017 all have one thing in common. They align IT with the business by making apps and services faster, cheaper and easier to deploy and manage. EMA Innovators can be startups with a compelling value proposition or they could be more established vendors with an interesting new release around VMworld.



## DevOps Needs Business Driven IT

EMA research has shown that silos still are the key obstacles of cost effective and business-driven hybrid IT management. New megatrends such as DevOps and containers introduce additional pressure on the enterprise to break out of these management silos and implement a much more business-driven IT operations paradigm.

### TOP 3 IT OPERATIONS PRIORITIES IN 2017:

42% COST

36% SPEED

32% ISSUE PRIORITIZATION

## Connecting the Dots Between IT and Business

Modern infrastructure monitoring must connect the dots between hybrid compute, storage, and network components and their business impact. To effectively map infrastructure performance, health and compliance to rapidly released applications the monitoring strategy has to start at the beginning of the DevOps pipeline.

### CONTAINER ADOPTION BOTTLENECKS

OPERATIONAL  
COMPLEXITY

37%

LACK OF MANAGEMENT  
AND MONITORING  
SYSTEMS

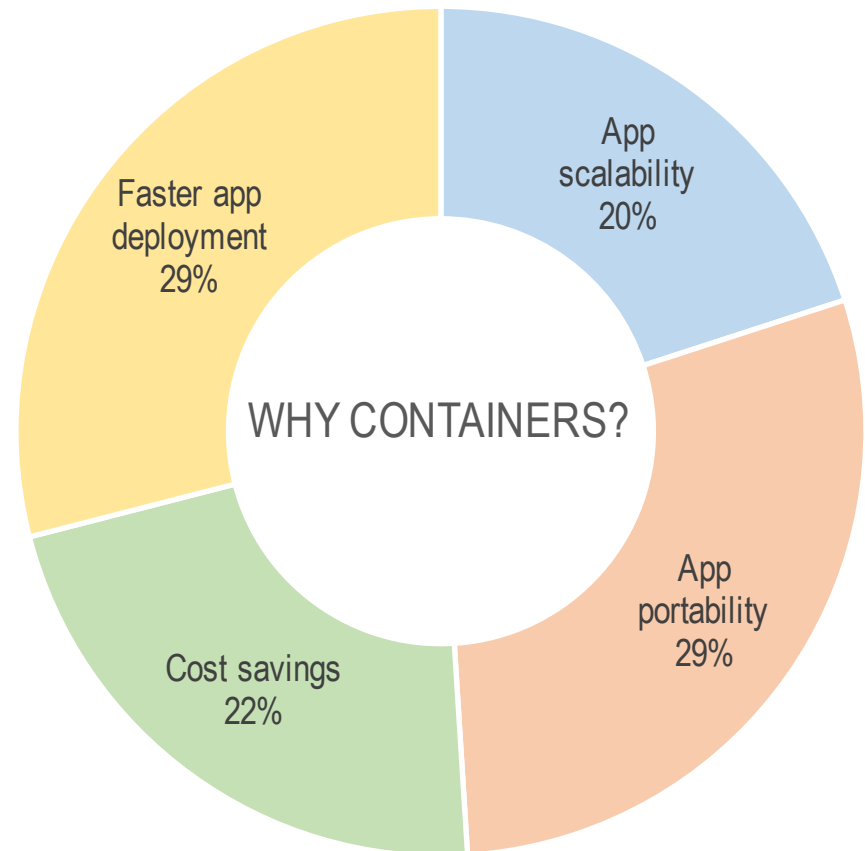
37%

SKILL GAP

30%

## Harnessing Containers is a Key Requirement

The rise of containers has made this task more demanding, as apps, services and microservices running inside of containers can rapidly move, scale and change dependencies. EMA Innovators enable enterprises to realize the expected benefits of containers.



# EMA Innovator: End-to-End Container Monitoring

## Dynatrace – One AI-Powered Monitoring Solution to Rule them All

Dynatrace shines at monitoring traditional application environments alongside containers and microservices. The software keeps track of the fluid interdependencies between containers, microservices, and Cloud. For DevOps groups Dynatrace delivers quality gates, performance and custom metrics for every code-push. This promotes shift-left quality to find performance, scalability and architectural issues early in the pipeline and only allow “good builds” to reach production.

## How it Works

Once the Dynatrace agent auto-installs on the container host it automatically discovers all current and future containers, including the services running on them, and their call and request volumes. Dynatrace provides access to all logs that belong to an application, its services, containers, images and their underlying hypervisor or bare-metal infrastructure.



2017 EMA INNOVATOR:  
**DYNATRACE**

END-TO-END CONTAINER MONITORING



### INSTALL THE DYNATRACE ONEAGENT

Each host machine requires the Dynatrace OneAgent to then automatically retrieve metrics on business, application, and infrastructure components, all the way from the latest DevOps code push down to each storage LUN and network connection.



### AUTOMATIC ANALYSIS

Dynatrace automatically and without training discovers and monitors each process and its dependencies, independent from whether it is running on bare metal, VMs, containers or serverless environments.



### AUTOMATIC ROOT CAUSE ANALYTICS

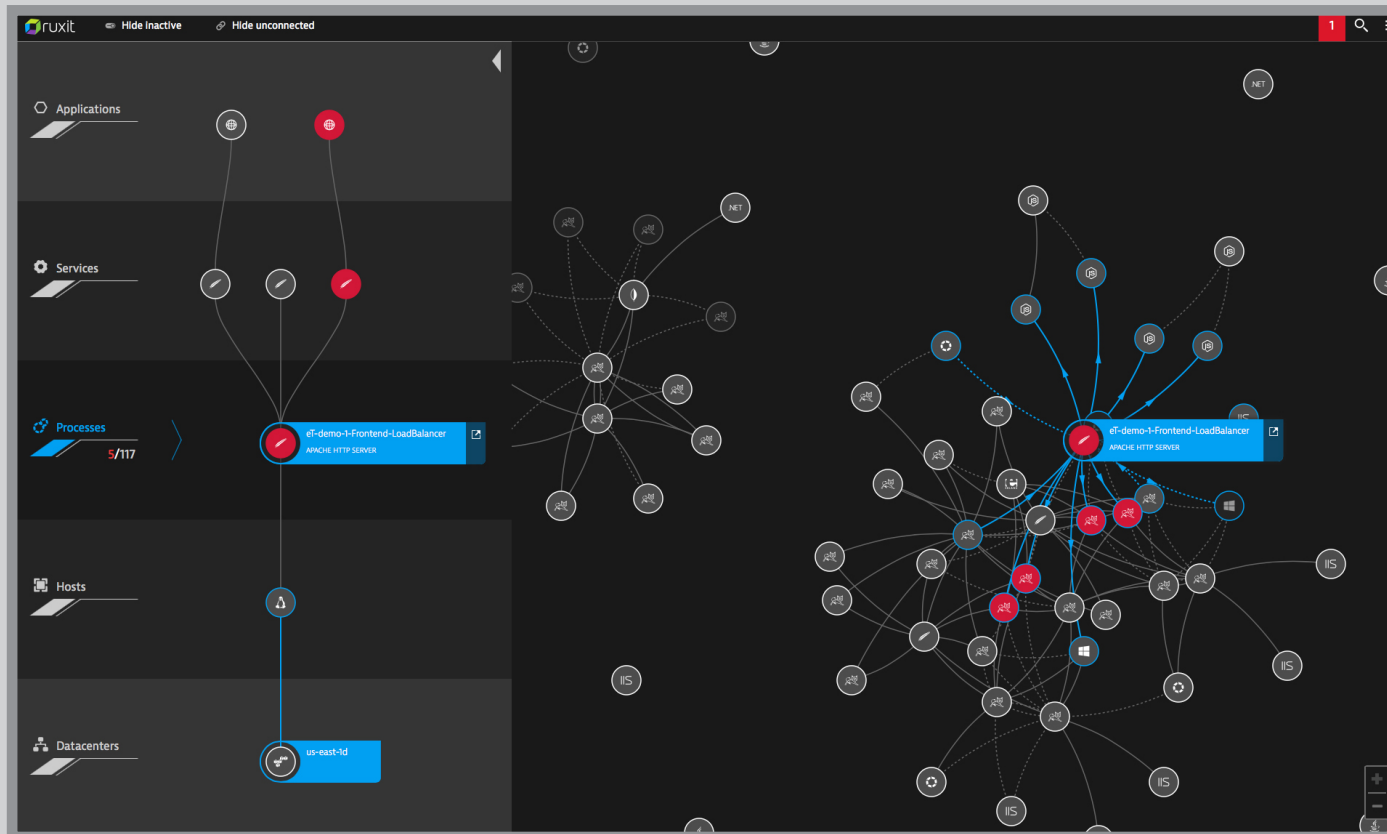
Part of Dynatrace's secret sauce is its AI-powered automatic root cause analysis. The AI "walks" the dynamically created dependency chart and identifies causalities until it arrives at the root cause of an issue.



# EMA Innovator: End-to-End Container Monitoring

## Secret Sauce – Discovery and AI

Near real-time discovery of individual microservices and their processes, as well as application dependencies without manual maintenance is Dynatrace's core value proposition.



## YOU SHOULD DYNATRACE IF...

- ... your DevOps team needs more feedback on the impact of code changes.
- ... you are planning on rolling out containers and want to put a unified monitoring strategy in place.
- ... you are using multiple tools for monitoring infrastructure, applications and containers.

# EMA Innovator: End-to-End Container Monitoring

## EMA Recommendations

Try it out as SaaS with a part of your existing infrastructure. This will show you if Dynatrace is able to automatically discover all dependencies.

Try some DevOps use cases to determine the value of code level tracking of infrastructure health and performance.

## IN A NUTSHELL: WHY YOU SHOULD LOOK AT DYNATRACE

- Only one agent to install per host.
- Monitoring of legacy infrastructure alongside containers and serverless functions.
- Correlates business metrics with code releases.
- AI-driven automated root cause analytics.

## About Enterprise Management Associates, Inc.

Founded in 1996, Enterprise Management Associates (EMA) is a leading industry analyst firm that provides deep insight across the full spectrum of IT and data management technologies. EMA analysts leverage a unique combination of practical experience, insight into industry best practices, and in-depth knowledge of current and planned vendor solutions to help EMA's clients achieve their goals. Learn more about EMA research, analysis, and consulting services for enterprise line of business users, IT professionals, and IT vendors at [www.enterprisemanagement.com](http://www.enterprisemanagement.com) or [blogs.enterprisemanagement.com](http://blogs.enterprisemanagement.com). You can also follow EMA on [Twitter](#), [Facebook](#), or [LinkedIn](#).

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### Corporate Headquarters:

1995 North 57th Court, Suite 120

Boulder, CO 80301

Phone: +1 303.543.9500

Fax: +1 303.543.7687

[www.enterprisemanagement.com](http://www.enterprisemanagement.com)

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