



# Take advantage of Cloud for application development and deployment

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# @Year 2016





## What CEOs Care About

# Business Agility and Entering **NEW MARKETS**

## Financial **GROWTH**

## **"SURVIVAL"**

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## The Current On-Prem IT Operating Model Is Unsustainable

#### Based on Old Legacy Applications



- Technical debt continues to pile up.
  - Age of IT equipment in many industries is up 15% to 30%.
  - 80% of budgets are spent on maintenance.
  - System failures increasing.
- Security and compliance adding to costs and stress.
  - 95% of networks have been breached.
  - More than 2/3<sup>rds</sup> go undetected.
  - Cybersecurity spending increasing 10% per year.

## A Demographic Shift Is Also Forcing A Technology Shift Java Cro

#### **CONSUMERS**

**68%** Of Millennials demand an integrated, seamless experience regardless of the channel.

**90%** Say access to real-time product availability information would influence their shopping choices.

#### WORKERS

**50%** Of the workforce will be Millennials in 2020

Shifting to Gig Economy, e.g. Uber has **160,000** workers and only **4,000** full-time employees.

- Expect easy-to-use mobile applications that just work.
- Workers shifting to 'gig economy' need simple mobile business apps to ramp quickly.

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## There Is Other Way: Cloud Computing

- Lowest cost
- Least complex
- Most reliable
- Best security
- Rapid innovation
- Simple

# Public Cloud

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## **VISION 2025**



## Cloud computing by Year 2025: 5 Predictions

- By 2025 80% of Production Apps Will Be in the Cloud
- By 2025 Two Suite Providers Will Have 80% of the Saas Apps Market
- 100% Of New Dev/Test Will Be Cloud In 2025
- By 2025 Virtually All Enterprise Data Will Be Stored In Clouds
- By 2025 Enterprise Clouds Will Be The Most Secure IT Environments.





## Bridging years until 2025





## The Cloud: A New Era of Utility Computing

All Three Tiers of Computing Delivered as a Service via Global Network

- Applications: Software as a Service SaaS
- Platform: Database, Middleware, Analytics, Integration... as a Service PaaS
- Infrastructure: Storage, Compute and Network as a Service IaaS



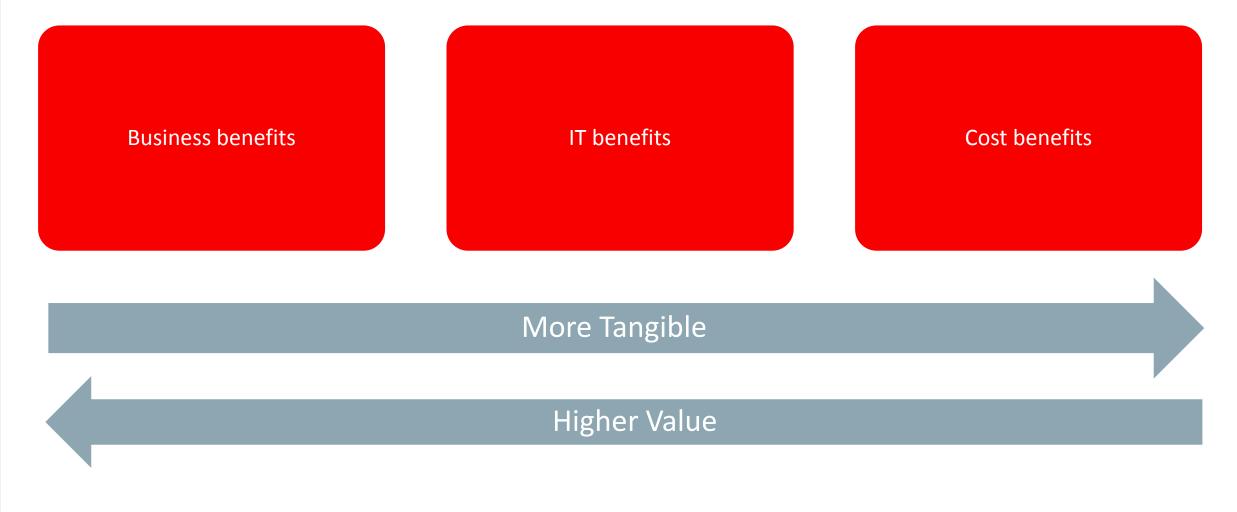




## When does cloud make sense?

- Company wants its IT organization to focus on competitive differentiation, not tech infrastructure
- Company wants to be able to grow quickly and shrink quickly, if needed
- Company's lack of internal IT
- Company wants part of its operation in the cloud

# Benefits using Cloud Application Development and ava Cro Deployment



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### **Application Development: Real Scenarios**



#### **CLOUD DEV & TEST**

Development, testing & standby in the cloud: rapid provisioning & fast deployment to cloud or on-prem





#### LIGHTWEIGHT CONTAINER APPS

Development & deployment of lightweight web/scripting applications in a simple, enterprise class scalable cloud environment

#### **EXTEND SAAS WITH PAAS**

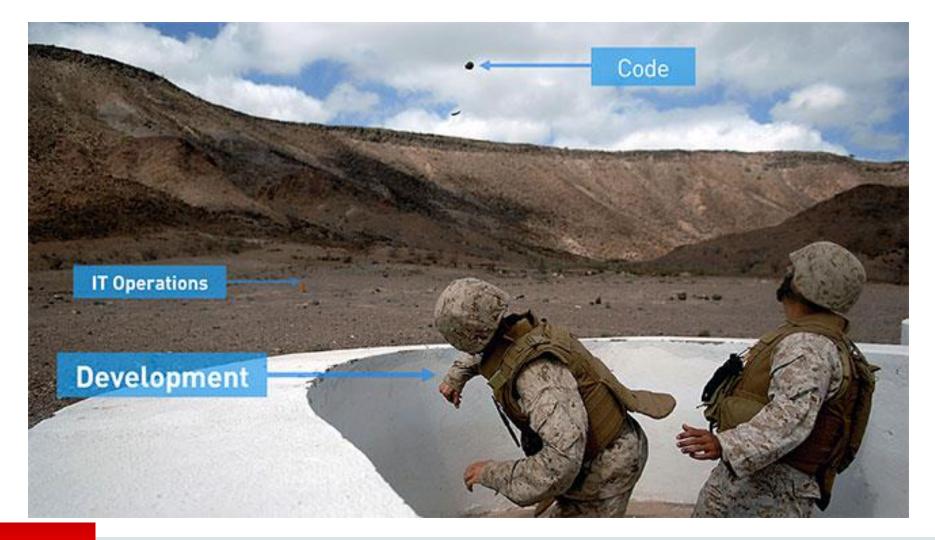
Extending SaaS applications to add functionality, analytics and customizations

\*Source: Computerworld Strategic Marketing Services, September 2014 Cloud Survey

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#### Dev & Ops cooperation Code is written – it's your responsibility now







## Business Value Is Driving DevOps in the Cloud



#### **FASTER TIME-TO-MARKET**

- Quickly align with business requirements by increasing frequency of releases
- Increase accuracy of releases - avoid downtime



COST



#### **FOCUS ON BUSINESS VALUE**

- Automate what was previously done manually. Reduces OPEX
- Prevent humans from making costly errors
- Reduce downtime, which saves money

 Allow high value employees to focus on higher value activities

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## Application Development & Deployment Benefits

- Instant setup
- Complete automation
- Multiple Programming Languages
- Continuous Delivery
- Scalability
- Any workload





# Thank you!

