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CLOUD SOLUTIONS

JavaCro 16

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"

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^{rds} go undetected.
  - Cybersecurity spending increasing 10% per year.

A Demographic Shift Is Also Forcing A Technology Shift

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

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

SaaS   **PaaS**   **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 Deployment

| Business benefits | IT benefits | Cost benefits |

More Tangible →

← **Higher Value**

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

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

- Automate what was previously done manually. Reduces OPEX

- Prevent humans from making costly errors

- Reduce downtime, which saves money

FOCUS ON BUSINESS VALUE

- Allow high value employees to focus on higher value activities

Application Development & Deployment Benefits

- Instant setup

- Complete automation

- Multiple Programming Languages

- Continuous Delivery

- Scalability

- Any workload

Thank you!