WHY DEVOPS? WHY NOW?

What is DevOps?

> **DevOps is a cultural and professional movement that stresses communication, collaboration and integration between software developers and IT operations professionals.**

- Responds to accelerated demand for quality software products and services
- Acknowledges the interdependence of IT functions
- Recognizes the need for cultural improvements
- Supports and leverages agile, lean and IT service management (ITSM) practices
- Encourages the use of automation

DevOps' Goals

- Better IT alignment and business responsiveness
- Faster, smaller, more frequent releases
- Improved
  - Time to market
  - Quality of code, products and services
  - Productivity
  - Customer satisfaction
  - Employee satisfaction
- Less waste and fewer defects
- Lower long-term costs

DevOps Practices

- DevOps leverages the best practices of
    - Agile
    - Continuous integration
    - Continuous delivery, testing and deployment
    - ITIL/ITSM
    - Lean
    - Kanban
    - And more…

DevOps does not reinvent the above frameworks and methods. It scales, integrates and cross-pollinates knowledge and tools across the entire Dev and Ops spectrum.

Why is DevOps Important Now?

- Enterprises have young, nimble start-up competitors

- Agile software development is increasing

- IT can no longer operate in a silo culture

- More organizations are migrating to the cloud

- Consumers have "app" mentalities and expectations

- There is more data available to the business

- Time to market must increase

To meet these changing conditions, IT must adapt its culture, practices and automation to be more "continuous".

Why Enterprises Should Adopt DevOps (1)

- Today's business environment is fast moving, competitive and technology driven

- To thrive, enterprises must do more than simply leverage technology

- IT must be ready to deliver services when and how required

DevOps enables IT organizations to demonstrate their ability to adapt and respond to the changing needs of their customers.

Why Enterprises Should Adopt DevOps (2)

DevOps practices improve IT performance.

Companies with high IT
performance are twice as likely to
exceed their goals

- Profitability

- Market share

- Productivity

Strong IT performance is a competitive advantage.

Source: *2014 State of DevOps Report* – Puppet Labs and IT Revolution Press

Why Enterprises Should Adopt DevOps (3)

Organizations that implemented DevOps practices were up to five times more likely to be high performing.

- Organizations are more agile
  - Code is shipped 30 times faster
  - Deployments are completed 8000 times faster
- Services are more reliable
  - There are 50% fewer failures
  - Service is restored 12 times faster

Source: *2013 State of DevOps Report* – Puppet Labs and IT Revolution Press

Why Enterprises Should Adopt DevOps (4)

- DevOps enables IT organizations to meet two critical business goals simultaneously
  - Respond to urgent business needs (change fast)
  - Provide stable, reliable and secure IT services

About the DevOps Foundation course?

- A sixteen (16) hour certification course that provides foundational knowledge of DevOps including
  - DevOps vocabulary
  - DevOps values and practices
  - The relationship between DevOps, Lean, Agile and ITSM
  - The principles of DevOps automation
  - Guidance for nurturing a DevOps culture

The course and certification examination are accredited by the DevOps Institute.

Ask the Expert

Let's answer some questions!