

Announcing IEEE 2675 DevOps standard to build reliable and secure systems

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What is DevOps and why does it matter?

- **DevOps is Set of principles and practices which enable better communication and collaboration between relevant stakeholders for the purpose of specifying, developing, and operating software and systems products and services, and continuous improvements in all aspects of the life cycle**
- **What happened to DevSecOps?**
- **How about DevSecTestQualityRiskKitchenSink...OPS?**
- **DevOps is about healthy culture**
- **Isn't DevOps the Cloud?**
- **Isn't DevOps build, package and deploy?**

Why do we need a standard about DevOps?

- **Focus on highly regulated industries**
(How do I do DevOps in organizations with regulatory requirements)
- **Q. How can a standard impact culture?**
- **A. Well actually it can't**
- **Focus on stakeholders and communication**
- **(Well actually that does impact culture)**

What are the DevOps Concepts?

- **Value of DevOps**
- **DevOps Principles**
 - - **Business or Mission First**
 - - **Customer focus**
 - - **Left Shift and Continuous Everything**
 - - **Systems Thinking**

DevOps and Organizational Culture

- **Leadership**
- **Organizational Structure and dynamics**
- **Learning organization and knowledge Management**
- **Adaptation, resilience and organizational change**

DevOps and lifecycle processes

- **Agreement processes**
- **Organizational project enabling processes**
- **Technical Management processes**
- **Technical processes**

6. Agreement Processes

- **Acquisition process**
- **Supply process**

Organizational Project Enabling Processes

- **Lifecycle model management**
- **Infrastructure management**
- **Portfolio management**
- **Human resource management**
- **Quality management**
- **Knowledge management**

Technical Management Processes

- **Project planning**
- **Project assessment and control**
- **Decision management**
- **Risk management**
- **Configuration management**
- **Information management**
- **Measurement**
- **Quality assurance**

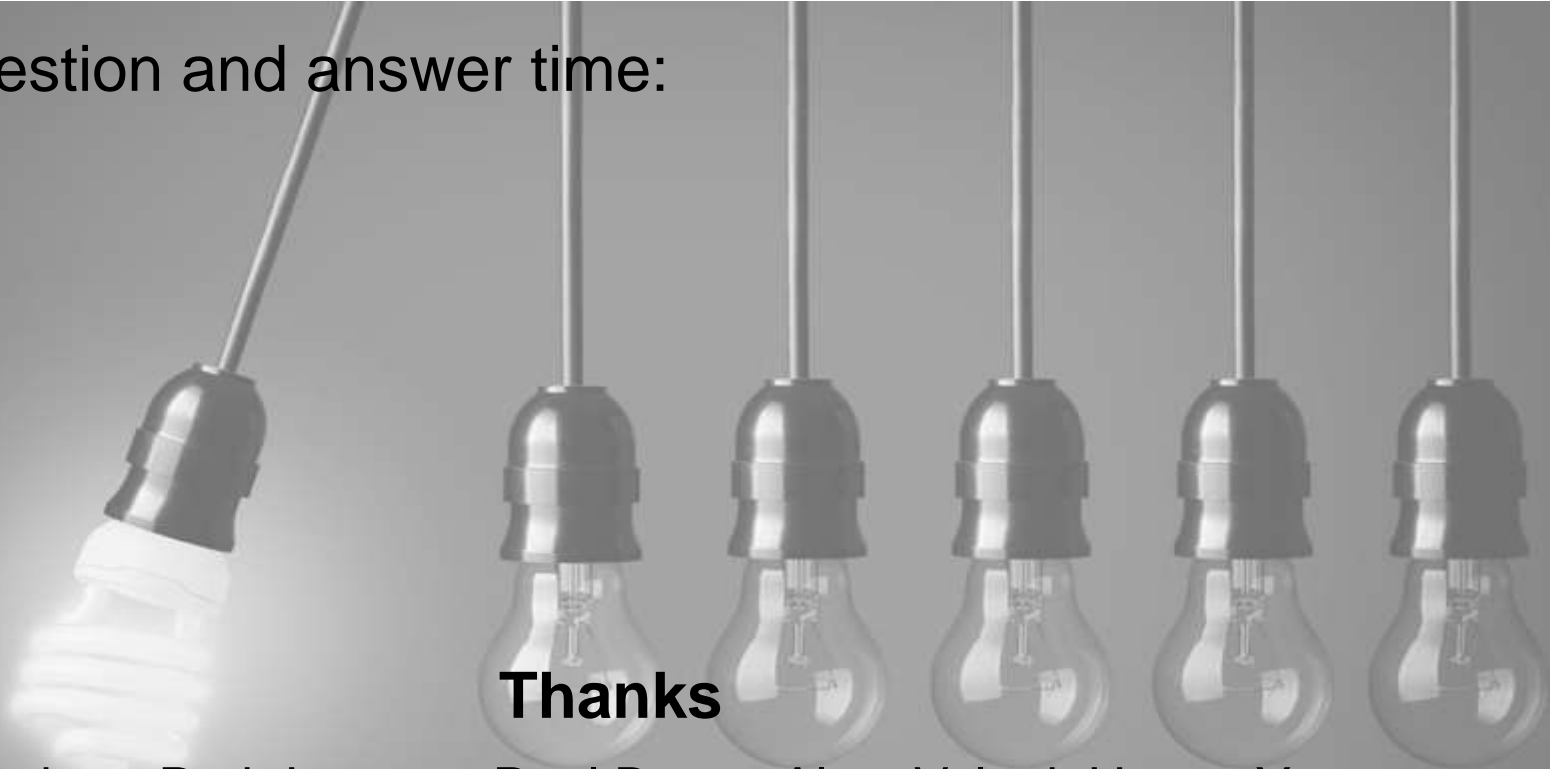
Technical Processes

- **Business or mission analysis**
- **Stakeholder needs and requirements definition**
- **Systems/Software requirements definition**
- **Architecture and design definition**
- **System analysis**
- **Implementation**
- **Integration**
- **Verification and validation**
- **Transition, operation, maintenance and disposal**

The future of DevOps

- **Next steps for organizations (Assess and improve)**
- **What's next in the industry?**

It is question and answer time:



Thanks

Sarah Baker , Ruth Lennon, Paul Bruce, Altaz Valani, Hasan Yasar,
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