Introduction to the World of DevOps

Course 35662 – 8 Hours

Overview

Ask 20 people for a definition of DevOps and likely get 20 different answers.

DevOps first and foremost is "a software development method that stresses communication, **collaboration and integration between software developers and information technology** (IT) professionals." DevOps sets the principles and practices that accelerate the delivery of IT services that eventually helps in shortening time to market of new features and software services provided by the R&D team. Much of the material covered in this section will focus on Continuous Delivery, Containerization, Monitoring & Continuous monitoring and the culture change required to adopt DevOps methodology.

Who Should Attend
- R&D Managers
- Develop Team Leaders
- Delivery Managers
- Developers
- IT
- System Administrators

Prerequisites
- Familiar with basic Linux administration and networking.

Course Contents

Intro – DevOps, The Myths and The Truths

The Problems that DevOps Solves
- What is DevOps
- What are we trying to solve?
- What is included in DevOps toolbox
- How do we do DevOps in the "Lean startup"
- Agile framework in Native cloud development

Making the DevOps Transition
- Who should lead the change
- How to lead the change to ensure success?
- The target – TTM!

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Case Studies of Different Clients

Implementing DevOps
- The toolbox
  - IAC
  - CM
  - CI/CD
  - K8S and friends