Microsoft VSTS and Azure

Overview of DevOps

- Definition of DevOps
- Introduction to DevOps and Agile
- DevOps Challenges
- Tools compatibility and networking
- Cost of DevOps
- DevOps tools
- Software requirement, architecture and design tools
- Code development tools
- Software Testing Tools
- Release Management Tools
- Configuration and monitoring tools
- Cloud computing
- IaaS
- PaaS
- SaaS

Any Language, Any Platform

- **Manage the full stack**
- Visual Studio Team Services
- TFS vs VSTS
- Setting up VSTS Account

Creating first project

- o Creating your 1st VSTS Project
- o Add Team Members to your Project
- o Define iterations of your project
- o Define Areas
- o Create Product Backlog
- o Create Sprint Backlog
- o Create Tasks
- o Setup a Task Board
- o Using VSTS/TFS in Visual Studio
- o Team Explorer + Source Code Explorer
- o Create Local Folder on your Hard Drive
- o Workspace Mapping
- o Create a folder structure
- o Upload/Check-in changes to Server
- o Add Source Code
- o Get Latest Version
- o Editing your code
- o Check-in your code
- o Work Item – New Bug
- o Queries

Continuous Integration and Delivery

- o Deploy to Azure
- o Build & Release
- o Package Management

Agile

- o Scrum

- o Kanban

- o Dashboards

Test Your Code

- o Continuous Testing

- o Exploratory & Manual Testing

- o Load Testing

Resources

- o Marketplace

- o Git

Command Line Tools

VSTS CLI