



AZ-400T01-A

Implementing DevOps Development Processes



Durata: 1

Descrizione

Questo corso fornisce le conoscenze e le competenze per implementare i processi DevOps. Gli studenti impareranno come utilizzare il controllo del codice sorgente, scalare Git per un'azienda e implementare e gestire l'infrastruttura di compilazione.

Contenuti

Module 1: Getting started with Source Control

- What is Source Control?
- Benefits of Source Control
- Types of source control systems
- Introduction to Azure Repos
- Migrating from TFVC to Git
- Authenticating to your Git Repos

Module 2: Scaling git for enterprise DevOps

- How to structure your git repo
- Git Branching workflows
- Collaborating with Pull Requests
- Why care about GitHooks?
- Fostering Internal Open Source
- Git Version

- Public projects
- Files in Git

Module 3: Implement & Manage Build Infrastructure

- The concept of pipelines in DevOps
- Azure Pipelines
- Evaluate use of Hosted vs Private Agents
- Agent pools
- Pipelines & Concurrency
- Azure DevOps and Open Source projects
- Azure Pipelines YAML vs Visual Designer
- Setup private agents
- Integrate Jenkins with Azure Pipelines
- Integration external source control with Azure Pipelines
- Analyze & Integrate Docker multi-stage builds

Module 4: Managing application config & secrets

- Introduction to Security
- Implement secure & compliant development process
- Rethinking application config data
- Manage secrets, tokens & certificates
- Implement tools for managing security and compliance in a pipeline

Module 5: Implement a mobile DevOps strategy

- Introduction to Mobile DevOps
- Introduction to Visual Studio App Center
- Manage mobile target device sets and distribution groups
- Manage target UI test device sets
- Provision tester devices for deployment
- Create public and private distribution groups