

Azure DevOps AZ 400

Month 1: Introduction to Azure DevOps and Version Control

Week 1-2: Introduction to Azure DevOps and Agile Planning

- Overview of Azure DevOps and its components.
- Introduction to Agile methodologies and Azure Boards.

Week 3-4: Version Control with Azure Repos

- Azure Repos for version control.
- Branching strategies and pull requests.
- Integrating Git with Azure Pipelines.

Week 5-6: Continuous Integration and Continuous Deployment (CI/CD) with Azure Pipelines

- Building CI/CD pipelines with Azure Pipelines.
- Implementing and managing release pipelines.
- Deployment strategies and approvals.

Month 2: Infrastructure as Code, Monitoring, and Security

Week 1-2: Infrastructure as Code (IaC) with Azure

- Introduction to IaC using Azure Resource Manager (ARM) templates.
- Azure Resource Manager (ARM) template deployment.
- Managing configuration drift with Azure Automation State Configuration.

Week 3-4: Azure Monitoring and Feedback Loops

- Implementing application monitoring with Azure Monitor.
- Implementing feedback mechanisms.
- Integrating monitoring and feedback with Azure Boards.

Week 5-6: Security and Exam Preparation

- Implementing secure development processes.
- Implementing compliance and security in your pipeline.
- Review key topics and exam preparation strategies.