
Azure Ansible Course content

1 Introduction to Azure and Ansible

- 1.1 Overview of Azure cloud services
- 1.2 Introduction to Ansible automation

2 Setting Up Your Environment

- 2.1 Installing Ansible
- 2.2 Configuring Ansible for Azure
- 2.3 Authentication and security considerations

3 Azure Resource Management with Ansible

- 3.1 Managing Azure VMs
- 3.2 Creating and configuring Azure resources (e.g., virtual networks, storage accounts)
- 3.3 Deploying and managing Azure web apps
- 3.4 Automating Azure Active Directory tasks

4 Azure DevOps Integration

- 4.1 Continuous Integration and Continuous Deployment (CI/CD) with Ansible and Azure DevOps
- 4.2 Creating and managing pipelines
- 4.3 Version control integration (e.g., Git)

5 Infrastructure as Code (IaC)

- 5.1 Introduction to IaC concepts
- 5.2 Writing Ansible playbooks for Azure infrastructure
- 5.3 Best practices for managing infrastructure code



6 Advanced Ansible and Azure Topics

- 6.1 Dynamic inventory management
- 6.2 Role-based access control in Azure
- 6.3 Working with Azure templates (ARM templates)
- 6.4 Advanced automation scenarios (e.g., scaling, disaster recovery)

7 Monitoring and Debugging

- 7.1 Logging and debugging Ansible scripts
- 7.2 Monitoring Azure resources using Ansible
- 7.3 Troubleshooting common issues

8 Security and Compliance

- 8.1 Security best practices for Ansible and Azure
- 8.2 Compliance checks and reporting
- 8.3 Integrating security measures into automation

9 Case Studies and Hands-on Labs

- 9.1 Real-world use cases and scenarios
- 9.2 Hands-on labs to apply the knowledge gained

10 Final Projects and Capstone

- 10.1 Building a comprehensive Ansible playbook for Azure
- 10.2 Presenting and sharing final projects

