AZ-400 Designing and Implementing Microsoft DevOps Solutions, Part 5 of 7: Application Infrastructur

Meet the expert: Ranjan is an author, consultant, trainer, speaker & founder having 12 years of hands-on experience. As a trainer, he has delivered 250+ corporate training & trained 5000+ professionals with excellent feedback on various technologies around the globe.

Prerequisites: The AZ-400 exam has a prerequisite of EITHER Microsoft Certified Azure Administrator Associate OR Microsoft Certified Azure Developer Associate. Candidates for this exam should have subject matter expertise working with people, processes, and technologies to continuously deliver business value.

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Course description: Candidates for the DevOps Engineer Expert certification should have subject matter expertise working with people, processes, and technologies to continuously deliver business value. This course covers: Implementing Application Infrastructure which counts for (15 – 20 %) of the exam.

Course outline:

IAC and Configuration Management
- Introduction
- Infrastructure as Code and Configuration Manageme
- Create Azure Resources using ARM Templates
- Create Azure Resources using Azure CLI
- Create Azure Resources using PowerShell
- Additional Automation Tools
- Version Control
- Summary

Azure Automation
- Introduction
- Azure Automation
- Automation Accounts
- Automate with Runbook
- Webhooks
- Summary

Azure Automation Account
- Introduction
- Azure Automation Account
- Terraform Demo
- Summary

Infrastructure as a Service
- Introduction
- Infrastructure as a Service
- Platform as a Service
- Serverless and HPC Compute Services
- Azure Kubernetes Service
- Choosing Compute Service
- Summary

Kubernetes Deployment
- Introduction
- AKS CICD Demo Part 1
- Prepare Agent
- Summary

Chef with Azure
- Introduction
- Chef with Azure
- Puppet with Azure
- Ansible with Azure
- Cloud Init with Azure
- Terraform with Azure
- Summary

Azure Cloud Powershell Demo
- Introduction
- Azure Cloud Powershell Demo
- Azure Cloud CLI
- Azure Cloud Templates
- Summary

Compliance and Security
- Introduction
- Compliance and Security
- Azure Security and Compliance Tools
- Summary

ARM Template Checking
- Introduction
- ARM Template Checking
- Azure DevOps with Ansible
- Summary

Sonar Cloud Report
- Introduction
- Azure Key Vault
- Sonarcloud Report
- Summary