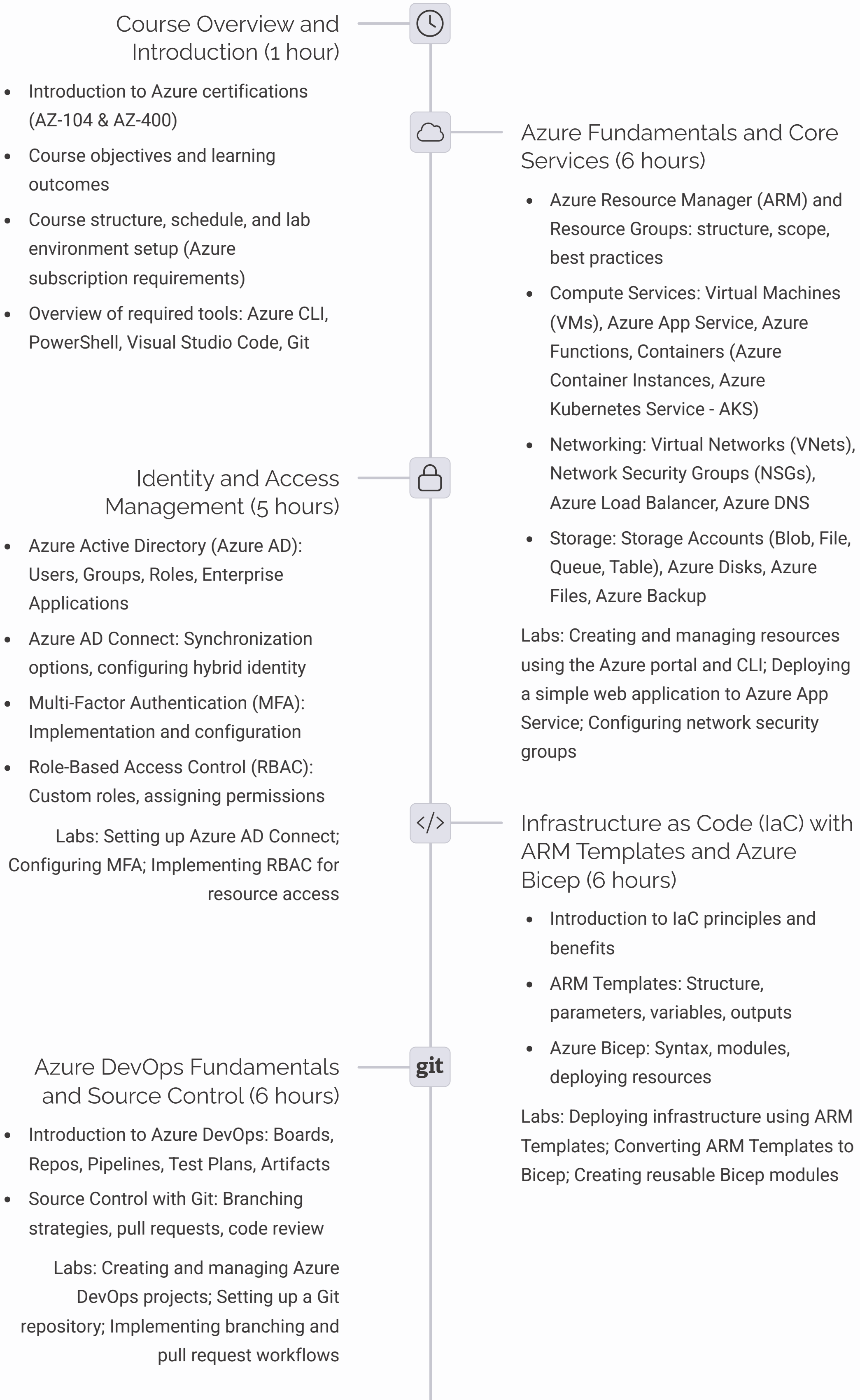




DevOps Engineering Course With Microsoft DevOps Certification (Az-400)

Biztech Labs presents a comprehensive DevOps Engineering Course with Microsoft DevOps Certification (AZ-400), designed to equip you with the skills and knowledge needed to excel in the field of DevOps engineering using Microsoft Azure technologies.

Course Structure and Content



Advanced Topics and Certification Preparation

Continuous Integration (CI) with Azure Pipelines (8 hours)

- CI concepts and benefits
- Azure Pipelines: YAML syntax, triggers, tasks, agents
- Building and testing applications: Integrating with build tools (e.g., Maven, npm)

Labs: Creating CI pipelines to build and test applications; Integrating static code analysis tools; Configuring pipeline triggers

Continuous Delivery (CD) with Azure Pipelines (10 hours)

- CD concepts and benefits
- Deployment strategies: Blue/Green, Canary, Rolling updates
- Azure Pipelines: Release pipelines, environments, approvals
- Deploying to Azure services: App Service, Kubernetes Service (AKS)

Labs: Creating CD pipelines to deploy applications to Azure; Implementing deployment strategies; Integrating automated testing

Monitoring and Logging (5 hours)

- Azure Monitor: Metrics, Alerts, Log Analytics
- Application Insights: Monitoring application performance and availability

Labs: Configuring Azure Monitor to collect metrics and logs; Creating alerts based on performance thresholds; Implementing Application Insights in a web application

Security and Compliance (7 hours)

- Azure Security Center: Threat detection, vulnerability assessment
- Azure Policy: Implementing and enforcing compliance policies
- Azure Key Vault: Managing secrets and certificates

Labs: Configuring Azure Security Center; Implementing Azure Policy; Storing and retrieving secrets using Azure Key Vault

Course Review, Exam Preparation, and Next Steps (7 hours)

- Review of key concepts and hands-on exercises
- Practice exams and mock tests
- Tips and strategies for passing the AZ-104 and AZ-400 exams
- Resources for continued learning and professional development
- Q&A and open discussion

Contact Us

If you have any questions or need assistance, please reach out to us using the information below or send us a message using the contact form.

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