

Azure Cloud for Spring Boot Applications

Day 9: Azure Cloud for Spring Boot Applications

Module 1: Azure Cloud Overview

Topics

- Azure Cloud overview
- Azure Portal overview
- Resource Groups
- Azure App Service overview
- Azure Container Apps overview
- Cloud deployment flow for Spring Boot applications
- Cloud environment considerations

Labs

- Create Azure Resource Group
- Review Azure App Service options
- Prepare Spring Boot application for cloud deployment

Module 2: Azure Data Services and Application Deployment

Topics

- Azure SQL Database overview
- Azure Cosmos DB overview
- Application configuration for Azure
- Environment-specific properties
- Preparing Spring Boot application for Azure deployment
- Deploying Spring Boot application on Azure App Service
- Validating deployed APIs

Labs

- Configure application for Azure deployment
- Deploy Spring Boot application to Azure App Service
- Test deployed REST API from cloud environment

Module 3: Logs, Monitoring and Scaling Overview

Topics

- Application logs in Azure
- Monitoring overview
- Scaling overview
- Reviewing deployment issues
- Basic cloud testing strategy
- Cloud security considerations
- Production readiness review

Labs

- Review deployed application logs
- Validate API availability
- Prepare cloud deployment validation checklist