

Azure Service Fabric

Duration: 1 Day (8hrs)

Module 1: Introduction to Service Fabric

- Overview of Service Fabric
- Features and benefits
- Use cases and scenarios

Module 2: Setting Up Development Environment

- Installing Service Fabric SDK
- Configuring the development environment
- Creating a Service Fabric cluster
- Setting up Visual Studio for Service Fabric development

Module 3: Creating Services

- Understanding services (Stateful or Stateless)
- Creating a service
- Managing state and replicas
- Testing services locally

Module 4: Deploying Services to a Cluster

- Overview of deployment options
- Publishing applications to Azure Service Fabric
- Deploying applications to an on-premises cluster
- Managing application upgrades and rollbacks

Module 5: Scaling and Resilience

- Scaling services in Service Fabric
- Configuring auto-scaling rules
- Viewing Service Fabric health and performance metrics
- Handling failures and recovering from disasters