

Cost Optimization in Azure

This workshop is designed to support your cloud journey with FinOps best practices, enabling a culture of continuous optimization, accountability, and data-driven decisions to maximize the cloud's business value for your organization.

Duration 1 day

Module 1 : Understanding Azure Cost Management

- Importance of Cost Optimization in Azure
- Azure Cost Management Tools

Module 2: Cost Analysis and Reporting

- Azure Cost Management and Billing Portal
- Creating and Managing Azure Cost Alerts
- Generating Cost Reports and Dashboards

Module 3: Resource Right-Sizing and Allocation

- Identifying Underutilized Azure Resources
- Rightsizing Virtual Machines
- Optimizing Storage and Database Usage
- Managing Azure Active Directory Costs

Module 4: Azure Reserved Instances and Savings Plans

- Understanding Azure Reserved Instances
- Purchasing and Managing Reserved Instances
- Savings Plans for Azure VMs
- Optimizing Costs with Reserved Instances and Savings Plans

Module 5: Azure Hybrid Benefit and Licensing

- Lesson 5.1: Overview of Azure Hybrid Benefit
- Lesson 5.2: Leveraging Windows Server and SQL Server Licensing
- Lesson 5.3: License Mobility and Azure Hybrid Use Benefit

Module 6: Serverless Computing Cost Optimization

- Introduction to Azure Functions
- Optimizing Azure Logic Apps Costs
- Cost-Effective Use of Azure Event Grid and Service Bus
- Data and Storage Cost Optimization

Module 7: Data solutions

- Choosing the Right Azure Storage Options
- Optimizing Data Transfer Costs
- Archiving and Tiering Data in Azure Storage

Module 8: Container Cost Optimization

- Containerization Concepts and Cost Considerations
- Optimizing Azure Container Instances Costs
- Cost-Effective Use of Azure Kubernetes Service (AKS)

Module 9: Dev/Test Environment Cost Optimization

- Azure Dev/Test Lab for Cost Savings
- Managing Azure Dev/Test VMs and Resources
- Utilizing Dev/Test Licensing Discounts

Module 10: Cost Optimization Best Practices

- Implementing Azure Cost Tagging Strategies
- Continuous Monitoring and Optimization
- Cost Optimization Governance and Policies
- Optimizing Costs in Azure Governance Architectures

Module 11: Cost Optimization for Specific Azure Services

- Azure App Service Cost Optimization
- Azure Databricks Cost Optimization
- Azure Cosmos DB Cost Optimization
- Azure Virtual Desktop Cost Optimization

Module 12: Future Trends and Technologies

- Azure Cost Optimization Roadmap
- AI and Machine Learning for Cost Prediction
- Cost Optimization in Serverless and Edge Computing-optimization-language-course