



MICROSOFT TRAINING

Azure Cost Optimization Language Course

Optimize your Azure spending. Master strategies and tools to reduce cloud costs and enhance efficiency.

DURATION

24 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level "Azure Cost Optimization Language Course" is meticulously designed for IT professionals aiming to master the art and science of managing and reducing expenditure within their Microsoft Azure environments. Leveraging an engaging, practical approach, this 24-hour course dives deep into Azure's comprehensive suite of cost management tools, FinOps principles, and the analytical 'languages' essential for identifying, analyzing, and optimizing cloud spend. You will learn to interpret complex billing data, utilize advanced cost analysis features, and implement robust governance strategies to ensure fiscal responsibility and operational efficiency across your Azure infrastructure. The course is suitable for anyone looking to make a significant impact on their organization's cloud budget while maintaining high performance and scalability. Through a blend of theoretical knowledge and hands-on exercises, participants will gain expertise in identifying common cost pitfalls, implementing right-sizing strategies for compute and storage, and optimizing licensing and networking costs. The professional benefits of this course are substantial: you will emerge as a highly valuable asset capable of driving strategic cost savings, enhancing resource utilization, and fostering a culture of cost awareness within your teams. This certification not only equips you with the technical skills to control cloud costs but also positions you as a key player in maximizing ROI from Azure investments, directly contributing to your organization's financial health and competitive edge.

Duration	24 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Introduction to Azure Cost Management and FinOps

- Understanding Cloud Economics and the Shared Responsibility Model
- Introduction to FinOps Principles and Practices
- Azure Cost Management Features Overview
- Identifying Key Cost Drivers in Azure
- Setting up Cost Management Permissions and Access

02 Module 2: Mastering Azure Cost Analysis Tools and Reporting

- Using Azure Cost Analysis for granular spend tracking
- Creating and managing Budgets and Alerts
- Leveraging Cost Export and Power BI integration
- Understanding Azure Billing and Invoice Reconciliation
- Querying cost data with Kusto Query Language (KQL) for custom insights

03 Module 3: Optimizing Compute and Application Service Costs

- Right-sizing Virtual Machines (VMs) and VM Scale Sets
- Strategic use of Azure Reserved Instances and Savings Plans
- Leveraging Azure Hybrid Benefit for Windows Server and SQL Server
- Cost optimization for Azure App Services and Azure Functions
- Managing auto-scaling and serverless consumption models

04 Module 4: Storage, Networking, and Database Cost Reduction

- Optimizing Azure Storage accounts (tiers, lifecycle management)
- Reducing data transfer and VPN Gateway costs
- Cost considerations for Azure CDN and Traffic Manager

- Optimizing Azure SQL Database and Azure Cosmos DB costs
- Implementing Data Lifecycle Management policies

05 Module 5: Advanced Cost Governance and Automation

- Implementing Azure Policy for cost control and compliance
- Automating cost optimization tasks with Azure Automation and Logic Apps
- Tagging strategies for resource classification and chargeback
- Leveraging Advisor recommendations for cost savings
- Integrating FinOps into CI/CD pipelines and DevOps practices

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Cloud Financial Analyst (FinOps Specialist)**
- > **Azure Solutions Architect (Cost Optimization Focus)**
- > **Cloud Governance and Compliance Engineer**

FREQUENTLY ASKED QUESTIONS

Q: What specific 'language' skills will I acquire for Azure cost optimization in this course?

This course focuses on practical application of data analysis and querying techniques critical for cost management. You will gain proficiency in using Kusto Query Language (KQL) within Azure Cost Analysis to create custom, detailed reports and identify spending anomalies. Additionally, you will learn to interpret JSON outputs for Azure resource configurations and leverage scripting concepts (e.g., PowerShell or Azure CLI snippets) for automating cost-related tasks and enforcing governance policies, effectively mastering the 'language' of efficient cloud finance.

Q: How will this course help me identify and rectify hidden or unexpected Azure spending?

This course provides extensive training on proactive and reactive strategies for uncovering unexpected Azure spending. You'll learn to set up sophisticated anomaly detection alerts, delve into detailed resource-level cost breakdowns, and utilize the 'amortized cost' view to understand the true cost impact of reserved instances. We cover techniques for identifying zombie resources, understanding egress charges, and tracking costs associated with transient development and testing environments, ensuring you can pinpoint and address financial leakages effectively.

Q: What are the prerequisites for this course, and is it suitable for someone new to Azure?

This is an intermediate-level course. While it doesn't require deep developer expertise, a foundational understanding of Azure services (like VMs, Storage Accounts, Networking concepts) is highly recommended. You should be familiar with the Azure Portal and basic resource deployment. The course is ideal for IT administrators, cloud engineers, and architects who are already working with Azure and are looking to specialize in financial management and cost optimization within their cloud environments.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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