BLACKBIRD FOR TRAINING

The Microsoft Azure Administrator Associate (AZ-104) Course



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Introduction

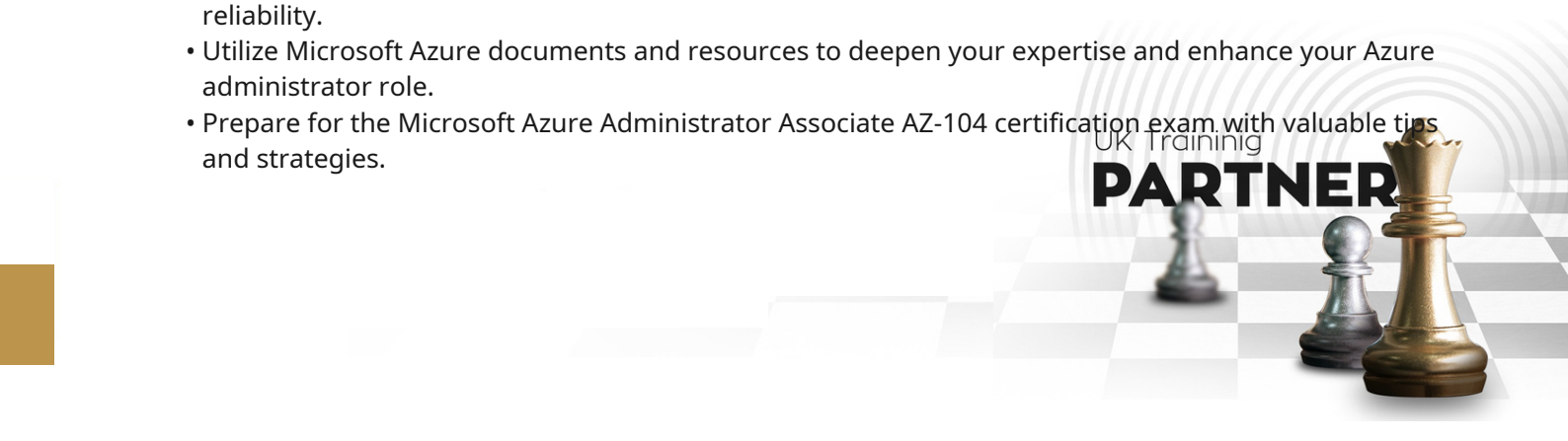
The Microsoft Azure Administrator Associate AZ-104 course is designed for those who aspire to manage Azure resources effectively. With an emphasis on Azure administration, this comprehensive training provides the knowledge and hands-on experience required to implement, monitor, and maintain Microsoft Azure solutions. This 1-week course prepares participants for Microsoft Azure administrative roles by covering critical areas such as security, governance, and performance optimization. Whether you're looking to enhance your skills as a Microsoft Azure administrator or seeking to become a Microsoft Azure consultant, this course will equip you with the expertise to manage modern cloud environments following Microsoft Azure best practices.

By the end of the training, you'll be confident in Microsoft Azure cost management, performance optimization, and security best practices to ensure that your organization's Azure environment is both effective and secure. You will also be prepared for the AZ-104 certification exam, a crucial step in advancing your Azure administration career.

Course Objectives

By the end of this Azure administrator training, participants will be able to:

- Gain a thorough understanding of Microsoft Azure infrastructure and core services, laying a strong foundation for Azure administration.
- Effectively manage Azure subscriptions, resources, and governance, ensuring efficient cloud management.
- Deploy and manage virtual machines, storage accounts, and networks using hands-on practice with Microsoft Azure performance.
- Implement and manage identity services, including Azure Active Directory AAD, to ensure Microsoft Azure security.
- Configure Azure load balancers and application gateways to guarantee high availability and Microsoft Azure cost efficiency.
- Master Azure identity management, governance, and compliance features to meet industry standards.
- Implement backup, disaster recovery, and business continuity strategies in Azure, ensuring reliability.
- Utilize Microsoft Azure documents and resources to deepen your expertise and enhance your Azure administrator role.
- Prepare for the Microsoft Azure Administrator Associate AZ-104 certification exam with valuable tips and strategies.



Course Outlines

Day 1: Azure Administration Essentials

- Introduction to Microsoft Azure architecture and services, including core components of Azure administration.
- Managing Azure subscriptions, resource groups, and working with Azure Resource Manager ARM templates.
- Implementing Role-Based Access Control RBAC and Azure Policy for efficient governance.
- Exploring the Azure portal, PowerShell, and CLI for administrative tasks.

Day 2: Virtual Networking and Security

- Understanding and configuring Azure Virtual Network VNet components and subnets for optimized performance.
- Managing Azure DNS, Network Security Groups NSGs, and Azure Firewall to secure networks.
- Setting up Site-to-Site and Point-to-Site VPNs for seamless connectivity.
- Implementing Azure Load Balancer and Application Gateway to ensure high availability and performance.

Day 3: Compute Resources and Storage Management

- Deploying and managing Azure Virtual Machines VMs with hands-on training.
- Sizing, scaling, and configuring Azure Disk Storage, Blob Storage, and Storage Accounts.
- Implementing Azure Files and enhancing Azure storage security.
- Automating VM deployment using templates and scripts for enhanced efficiency.

Day 4: Identity, Governance, and Compliance

- Overview of Azure Active Directory Azure AD, configuration, and management of users, groups, and roles.
- Implementing Azure AD Connect for hybrid identities and multi-factor authentication MFA for enhanced Microsoft Azure security.
- Using Azure Blueprints and Compliance Center for governance and compliance in Microsoft Azure environments.

Day 5: Monitoring, Backup, and Disaster Recovery

- Configuring Azure Monitor, Log Analytics, and metrics for performance tracking and optimization.
- Setting up alerts, action groups, and utilizing cost management tools for financial efficiency.
- Implementing Azure Backup and Site Recovery for disaster recovery and business continuity.
- Final preparations for the AZ-104 certification exam, including practical tips and strategies.



Why Attend This Course: Wins & Losses!

- Gain Core Knowledge: Equip yourself with the skills needed to manage Microsoft Azure cloud services confidently. This course provides essential training in areas like Microsoft Azure security, performance optimization, and network management for secure, compliant operations.
- Hands-on Experience: Build practical skills that apply directly to daily Azure tasks. Whether you're deploying virtual machines or configuring networking, you'll gain real-world experience in managing Azure resources.
- Master Cost Management: Learn effective strategies to manage Microsoft Azure cost and utilize cost optimization tools. Understand pricing models to ensure resource management is both efficient and cost-effective.
- Boost Career Opportunities: As a Microsoft Azure admin, you'll be prepared to take on administrative roles and excel in managing cloud infrastructure. This course also prepares you for the AZ-104 certification exam, validating your skills in Microsoft Azure administration.
- Prepare for Real-World Applications: The course will also enhance your organization's Azure environment using industry best practices in cloud governance and security, ensuring you're ready to become a Microsoft Azure consultant or further specialize in Azure developer roles.
- Build a Strong Foundation: Whether you're a beginner or an experienced IT professional, the training will provide the knowledge required to manage, monitor, and optimize Azure services effectively.

Conclusion

Upon completing the Microsoft Azure Administrator Associate AZ-104 course, participants will be fully equipped to confidently manage and optimize Azure environments. Focused on core competencies like security, performance optimization, governance, and cost management, this course offers real-world insights and hands-on experience essential for successful Azure administration. Additionally, it serves as the perfect foundation for obtaining the AZ-104 certification and advancing into more specialized Microsoft Azure administrative roles.

Whether you aim to pursue associates in business administration, become a Microsoft Azure developer, or advance as a Microsoft Azure administrator, this course will provide the essential tools and knowledge to achieve your career goals while enhancing your understanding of Microsoft Azure's advantages and benefits.

