



MICROSOFT TRAINING

Azure 204

Develop, deploy, and configure cloud solutions on Microsoft Azure. Prepare to ace your AZ-204 certification exam and become an Azure developer.

DURATION

16 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The Microsoft Azure Developer Associate (AZ-204) certification course is meticulously designed for developers aiming to master the art of building, testing, and maintaining cloud applications on the robust Azure platform. This immersive program delves deep into the core services and best practices required to create scalable, secure, and high-performing solutions. You will gain hands-on experience with crucial Azure offerings, transforming theoretical knowledge into practical, deployable skills demanded by today's cloud-first enterprises. By the end of this course, you will be proficient in developing Azure compute solutions, implementing Azure storage, securing applications and data, monitoring and troubleshooting cloud solutions, and connecting to and consuming various Azure services. We cover essential technologies such as Azure App Service, Azure Functions, Azure Cosmos DB, Azure Blob Storage, Azure Key Vault, Azure Monitor, Azure Service Bus, and Azure Event Grid. This comprehensive coverage ensures you are well-equipped to tackle real-world development challenges. Achieving the Azure Developer Associate certification validates your expertise as an Azure developer, significantly boosting your professional credibility and opening doors to a wide array of career opportunities. This course not only prepares you for the AZ-204 exam but also provides the foundational and advanced skills necessary to architect and implement cutting-edge cloud solutions, making you an invaluable asset in any development team.

Duration	16 hours
Level	Intermediate
Vendor	Microsoft
Exam Code	AZ-204

COURSE CURRICULUM

01 Module 1: Developing Azure Compute Solutions

- Implementing Infrastructure as a Service (IaaS) compute solutions
- Implementing Platform as a Service (PaaS) compute solutions (Azure App Service, Azure Container Instances)
- Implementing serverless solutions (Azure Functions, Azure Logic Apps)
- Developing containerized solutions (Docker concepts, Azure Container Registry)

02 Module 2: Developing for Azure Storage

- Implementing Azure Blob storage for unstructured data
- Implementing Azure Cosmos DB storage for NoSQL data
- Implementing Azure SQL Database solutions
- Managing data in Azure Storage (data encryption, access policies, data consistency)

03 Module 3: Implementing Azure Security

- Implementing user authentication and authorization (Azure Active Directory, Microsoft Identity Platform)
- Implementing secure data solutions (Azure Key Vault for secrets and certificates)
- Securing application configuration and secrets with Managed Identities
- Implementing secure access to Azure resources

04 Module 4: Monitoring, Troubleshooting, and Optimizing Azure Solutions

- Implementing caching for solutions (Azure Cache for Redis)
- Instrumenting solutions for monitoring and logging (Azure Monitor, Application Insights)
- Troubleshooting and debugging Azure applications
- Optimizing solution performance and scalability

05 Module 5: Connecting to and Consuming Azure Services

- Implementing API Management
- Implementing event-based solutions (Azure Event Grid, Azure Event Hubs)
- Implementing message-based solutions (Azure Service Bus, Azure Queue Storage)
- Integrating solutions with third-party services and platforms

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure Solutions Developer**
- > **Cloud Application Engineer**
- > **Serverless & Microservices Specialist**

FREQUENTLY ASKED QUESTIONS

Q: What specific development skills will I acquire from the Azure 204 course that are directly applicable to building modern, cloud-native applications on Azure?

This course will equip you with robust skills in serverless computing using Azure Functions, developing and deploying microservices with Azure App Service and containers, implementing secure authentication and authorization with Azure AD and Managed Identities, and integrating various Azure services like Cosmos DB and Service Bus. You will also master advanced monitoring and troubleshooting techniques using Azure Monitor and Application Insights, enabling you to build highly scalable, resilient, and observable cloud-native applications.

Q: What are the recommended prerequisites in terms of programming language proficiency and existing Azure knowledge for optimal success in this certification?

For optimal success, we recommend proficiency in at least one Azure-supported programming language, such as C#, Python, Java, or JavaScript, as development examples and exercises will heavily rely on these. A foundational understanding of core Azure services, equivalent to what is covered in the Azure Fundamentals (AZ-900) certification, is also highly beneficial. Familiarity with basic cloud concepts, databases, and networking will further enhance your learning experience.

Q: Beyond earning the certification, how does the Azure Developer Associate credential enhance my professional standing and career trajectory within the cloud computing industry?

Achieving the Azure Developer Associate certification is a significant career accelerator. It provides industry-wide recognition of your expert-level skills in developing solutions on Azure, making you highly marketable to employers seeking cloud development talent. This credential validates your ability to contribute to complex cloud projects, often leading to improved employment prospects, higher earning potential, and a clear pathway to more advanced roles such as Azure Solutions Architect, Cloud DevOps Engineer, or even a lead developer specializing in cloud technologies.

ABOUT COMPUTER PRIDE



computerpride

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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