AZURE Developer
Training – AZ-204

Microsoft Azure

Module Number	Module Name	Subtopics	Explanation
Module 1	Develop Azure compute solutions	• Create Azure App Service Web Apps • Implement Azure functions • Develop solutions that use Azure Virtual Machines (VMs) • Implement batch jobs using Azure Batch	This module covers developing solutions using Azure compute services such as Azure App Service, Azure Functions, Virtual Machines, and Azure Batch. It includes creating web applications, implementing serverless functions, deploying and managing virtual machines, and executing batch jobs.
Module 2	Develop for Azure storage	• - Develop solutions that use Azure Blob storage • - Develop solutions that use Cosmos DB storage • - Develop solutions that use a relational database • - Develop solutions that use Azure Table storage	This module focuses on developing solutions that leverage various Azure storage services including Blob storage, Cosmos DB, relational databases, and Table storage. It covers concepts such as data storage, retrieval, and management.
Module 3	Implement Azure security	• - Implement user authentication and authorization • - Implement secure cloud solutions • - Implement API Management • - Implement secure data solutions	Security is paramount in cloud computing. This module delves into implementing security measures within Azure solutions. Topics include user authentication and authorization, securing cloud resources, managing APIs securely, and implementing data protection mechanisms.
Module 4	Monitor, troubleshoot, and optimize Azure solutions	• - Develop code to support scalability of apps and services • - Instrument solutions to support monitoring and logging • - Integrate caching and content delivery within solutions	Monitoring, troubleshooting, and optimizing are essential aspects of maintaining efficient Azure solutions. This module covers techniques for developing scalable code, implementing monitoring and logging solutions, and optimizing performance through caching and content delivery mechanisms.

Module 5	Connect to and consume Azure services and third-party services	• - Develop an App Service Logic App • Implement API Management • - Develop event-based solutions • - Develop message-based solutions	Integrating Azure services and third-party services is crucial for building comprehensive solutions. This module explores developing Logic Apps, managing APIs with Azure API Management, creating event-driven architectures, and implementing message-based communication between services.
Module 6	Develop Azure Cognitive Services, Bot, and IoT solutions	• - Develop solutions that use AI services • - Develop solutions that use Azure Bot Service • - Develop solutions that use IoT Hub and IoT Central • - Develop solutions that use Azure Time Series Insights	This module focuses on leveraging Azure Cognitive Services, Azure Bot Service, and Azure IoT services for building intelligent and connected solutions. Topics include integrating AI capabilities, developing chatbots, building IoT solutions with Azure IoT Hub and Azure IoT Central, and analyzing time-series data with Azure Time Series Insights.