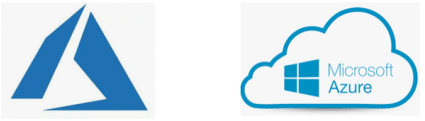
Azure for Developers

Duration: 4 days Price: € 2650

Open Schedule



Azure Cloud Development

Audience Course Azure for Developers

The Course Azure for Developers is intended for developers who want to use Microsoft Azure to create and deploy cloud applications.

Prerequisites Course Azure for Developers

Experience in a modern programming language such as C#, Java, Python or PHP is required to participate in this course.

Realization Training Azure for Developers

The theory is discussed on the basis of presentation slides and demos. During the course theory and exercises are interchanged.

Certification Course Azure for Developers

The participants will receive a certificate Azure for Developers after successful completion of the course.

Content Course Azure for Developers

In the course Azure for Developers participants learn to use Microsoft Azure for the development of Cloud Applications and Services. Microsoft's Azure cloud computing platform allows you to create and manage applications in the cloud. The applications are then hosted in a network of Microsoft data centers and it is no longer necessary to purchase and manage a local server.

Azure Intro

The course Azure for Developers starts with an overview of the services and Availability Zones that the Azure Cloud Platform has to offer. The difference between Azure PAAS (Platform as a Service) and Azure IAAS (Infrastructure as a Service) is also discussed.

App Services

Next App Services and how Azure can be used to host Applications and in particular Web Applications will be treated. Attention is also paid to the support of various Development Environments such as for ASP.NET, Node JS and Python.

Data Access

The various forms of storage that Azure has to offer are also on the program of the course. Blob Storage and File Storage are discussed. And also accessing relational and NoSQL databases from Azure is covered.

VMs and Containers

Azure also supports deployment of Virtual Machines that can be provisioned entirely as desired. Both Windows and Linux VM's are possible. And containers based on Docker Images are also supported in Azure.

Azure Functions

Next attention is paid to how Azure supports serverless computing with Azure Functions. Serverless computing does use servers, but they run invisibly in the cloud. Functions scenarios, function pipelines and function chaining are treated.

Virtual Networks

Finally attention is paid to the Azure Network Service and setting up Virtual Networks. Inbound and outbound rules are discussed and load balancing and port forwarding are covered.

Modules Course Azure for Developers

Module 1 : Azure Intro	Module 2 : App Services	Module 3 : Azure Data Access
What is Azure?	App Service Plan	Azure Storage
Azure Services	Hosting Applications	Blob Storage
Compute Services	Web Applications	Files and Tables
Data Services	API Apps	Storage Accounts
Application Services	Virtual Machines	Storage Replication
Network Services	Security	Azure Database Service
Azure CLI	Monitoring	SQL Databases
Regions	Development Environments	Managed Instances
Availability Zones	ASP.NET, Node JS	Single Database
Data Centers	Python, PHP	Elastic Pool
Fabric Controllers	Deploying in Visual Studio	Database Configuration
Azure PAAS	App Service Pricing	NoSQL Data Stores
Azure IAAS	Backup	Azure Data Factory
Module 4 : VM's and Containers	**Module 5 : Azure Functions**	**Module 6 : Azure Virtual Networks**
Windows VM's	Serverless Computing	Azure Network Service
Linux VM's	Creating Functions	Virtual Networks
VM Choices	Deploying Functions	Creating Subnets
VM Sizes	Language Support	Security Groups
VM Configuration	Function Scenario's	Inbound Rules
VM Storage	HTTP Triggers	Outbound Rules
Availability Set	Process File Uploads	Azure Network Interface
Scaling	Run Scheduled Tasks	IP Configuration
Containers on Azure	Function Pipelines	Hostname Resolution
Docker Images	Function Pricing	Application Gateway
Running Containers	Application Patterns	Load Balancer
Azure Service Fabric	Fan In Fan out	Port Forwarding
Container Scaling	Function Chaining	Load Balancing Rules

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