

Fast Start – Azure for Modern Web and Mobile Application Development



Accelerate

Support continuous innovation, broaden your horizons and unlock your hidden potential with Microsoft Azure

Develop and target Mobility with Universal Windows Apps

Benefits

- Accelerate integration of common Microsoft Azure application blocks
- Drive readiness for your developers through education services
- 4 days on-site engagement to kick start your onboarding on Azure

Audience

- Developers / Architects

Cloud First, Mobile First

Microsoft Azure is at the forefront of cloud innovation, providing an expansive set of services that enable you to innovate, create, test and run applications on an open and flexible cloud platform.

To help realize the benefits of the cloud and how Azure can support modern web application or software solution targeting Mobility, Microsoft Premier offers a new set of services focused on helping you to accelerate Microsoft Azure integration with a mix of Presentation & Practical sessions applied to an end to end scenario.

Fast Start for Microsoft Azure helps you quickly leverage Azure services in your solutions.

Fast Start helps introduce you to the most used Microsoft Azure Application Blocks. This offering provides guidance and education for your developers, and provides direct support throughout a tutored session. The service includes:

- **Education Services (12h):** to help enhance your support staff's technical skills and help drive cloud design & development readiness.
- **Onboarding accelerator (12h):** will enforce practical experience with hands on labs with a complete end-to-end scenario.
- **Closeout session (8h):** direct engagement with a Microsoft engineer who will wrap-up the experience : planning and validation of a proof of concept or support of a Microsoft Azure Services in production.



1: Education



2: Onboarding



**Outcome:
Acceleration**

Step 1: Education - Workshop: Azure for Modern Web and Mobile Application Development

The Fast Start – Azure for Modern Web and Mobile Application Development workshop section aims at introducing the customer to leverage Azure Services in order to improve and innovate modern web Apps development with the power of Microsoft Cloud Platform.

Each module is designed to provide participants with solid knowledge, which includes: an overview of the services, the goals and objectives behind it and how it can help to improve your mobile development solution. This will help you quickly acquire knowledge and skills to design, develop and deploy on Microsoft Azure.

Syllabus

This workshop runs for about 12 hours.

Module 1: Azure Overview

- Overview of Cloud Computing
- Azure services tour
- Key Scenarios on Azure

Module 2: Azure Notification Hub

- Notification basics
- Targeting multi users/platforms
- Advanced scenarios

Module 3: Azure SQL Database

- Relational database as a service
- SQL Database features
- IaaS alternative (SQL Server in VM)

Module 4: Azure Storage

- Understand storage for the cloud
- Storage abstractions: Blobs, Queues, Tables
- Azure Files & StorSimple

Module 5: Azure Web Apps

- Next generation solution with App Service
- Web Apps features (Auto scaling, Webjobs)
- Enhancing websites Application blocks

Module 6: Azure API Apps

- Introduction to Azure API
- API Apps overview & architecture
- Features tour (Authentication, tools)

Module 7: Azure Logic Apps

- Overview of azure integration service
- Architecture
- Workflow Designer

Module 8: Azure Active Directory

- Modern authentication protocols
- Application & service integration
- Query & Authentication API

Module 9: Azure Mobile Apps

- Backend as a Service
- Offline mode
- Notifications

Module 10: Azure Application Insights

- Solving real world problems
- Learning about your customers
- Common usage and patterns

Module 11: Real-time & Big Data Analysis

- Big Data challenges & usage
- Overview of Azure data & analysis services
- Event Hub, Stream Analytics
- HDInsight, Spark, HiveQL/SparkQL,...

Step 2: Onboarding Accelerator: Azure for Modern Web and Mobile Application Development

The Fast Start – Azure for Modern Web and Mobile Application Development onboarding accelerator section helps you expand your experience and understanding how to enhance your mobile solutions by leveraging Azure application blocks. According to your applications business, you will choose between three templates of an end to end solution: Product Catalog, Financial Service, Field Engineers.

A Microsoft engineer will be by your side, to walk you through a tutored exercise. In order to greatly enhance this a demo solution, you will gradually integrate Azure Service features to an existing Windows Universal App and also leverage some Windows 10 features at the same time.

Summary of Deliverables

The service will include the following (Complete lab (12 h) + Closeout Session (8 h)):

- Dive into Azure and learn how to leverage the management portal and automated tools
- Add push notifications & target group of interest in your Mobile Apps
- Migrate to Relational Database online with geo-replication and auditing and Externalize content from Mobile App to the cloud storage
- Leverage federated identity in the cloud to enable SSO and secure authentication for enterprise grade service
- Create integration workflow to connect with first/third party service and unlock new scenarios
- Create a solid foundations for modern and reusable REST API Apps (secured, discoverable,...)
- Collect and monitor performance of your Websites, API and Mobile App
- Understand your user and how they your app used
- Monitor your impact on social network, analyse and create reporting of your Mobile Apps

