



Xamarin: Azure, Security Testing

Cursusduur: 5 Dagen **Cursuscode: XAMTC**

Beschrijving:

In this course, you will learn how to use, test and secure your Apps with Azure App Service to rapidly build engaging cross-platform and native apps for iOS, Android, Windows, or Mac; you will learn how to store app data in the cloud or on-premises, you will learn how to secure local data and authenticate customers or add your custom back-end logic in C#.

This course uses Microsoft Visual Studio community edition. It incorporates material from Xamarin University's classes.

Doelgroep:

This course is for developers that are already experienced with Xamarin, but want to deepen their Azure, Security and Testing knowledge.

Doelstelling:

- TXWZ101 - Introduction to Azure
 - TXWZ110 - Building an Azure Mobile App Service
 - TXWZ115 - Building an Azure Mobile App Client
 - TXWZ120 - Authentication with Azure
 - TXWE170 - Securing Local Data
 - TXWE171 - Introduction to OAuth 2
 - TXWE172 - Accessing OAuth 2 Web Services with Xamarin.Auth
 - TXWX301 - Mobile Application Architecture
 - TXWE410 - Data Caching and Synchronization
 - TXWT101 - Introduction to Testing
 - TXWT102 - Xamarin.UITest
-

Vereiste kennis en vaardigheden:

Students should have significant previous experience with the C# programming language and familiarity with object-oriented programming concepts such as inheritance and interfaces.

Cursusinhoud:

TXWZ101 - Introduction to Azure

Survey the available Azure services to determine if Azure will meet your needs; create an Azure account and set up a virtual machine.

TXWZ110 - Building an Azure Mobile App Service

Create an Azure Mobile App, add a database to store your business objects, and define a web service to allow client access to the data.

TXWZ115 - Building an Azure Mobile App Client

Use the Azure Mobile Client SDK to access Azure data from your Xamarin client app.

TXWZ120 - Authentication with Azure

Use Azure authentication services to secure your Azure-hosted data.

TXWE170 - Securing Local Data

Use Xamarin.Auth and PCL Crypto to securely store data on-device.

TXWE171 - Introduction to OAuth 2

Register your app with an OAuth server and choose an appropriate OAuth flow.

TXWE172 - Accessing OAuth 2

Web Services with Xamarin

Auth Use Xamarin.Auth to authorize against an OAuth server and access a REST web service.

TXWX301 - Mobile Application Architecture

Learn common architectural principals and styles to properly structure your mobile app.

TXWE410 - Data Caching and Synchronization

Cache data locally, allow the user to edit the local data, and synchronize the changes to a server when a network connection is available.

TXWT101 - Introduction to Testing

Write Unit Tests for your mobile apps using NUnit.

TXWT102 - Xamarin.UITest

Use Xamarin.UITest to create acceptance tests for your iOS and Android applications in C#.

Extra informatie:

Most of the courses in this training have a lab. In these labs you will focus on combining Xamarin development with Azure.

Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

info@globalknowledge.nl

www.globalknowledge.com/nl-nl/

Iepenhoeve 5, 3438 MR Nieuwegein