



MS20537 - Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack

Microsoft - Microsoft Cloud - Virtualizzazione e Cloud

Durata:

3 Giorni

Lingue:

Italiano

Certificazione:

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Descrizione del corso

This course teaches C# .NET developers the basics of building Android mobile applications using the Xamarin tools for Visual Studio. Topics include Android activities, intents, fragments, consuming REST-based services, ListViews, and data storage with SQLite.

Programma

Module 1: Getting Started with Xamarin (XAM101)

- Cloud technology overview
- Define the state of mobile technology today
- Discuss mobile app trends
- Identify approaches to development
- Discover the Xamarin Approach
- Set up your development environment

Module 2: Introduction to Xamarin.Android (AND101)

- Create a Xamarin.Android project
- Decompose an app into Activities
- Build an Activity's UI
- Write an Activity's behavior
- Update your Android SDK

Module 3: Activities and Intents (AND102)

- Start an Activity in your .apk

ITCore Group

Via Balestra, 12
6900 Lugano (CH)
+41.091.9760019
www.itcoregroup.com

Via Lanino, 36
21047 Saronno (VA)
+39.02.84108669
www.itcoregroup.com

- Finish an Activity
- Pass arguments to an Activity
- Get Activity results
- Start a system Activity

Module 4: List Views and Adapters in Android (AND110)

- Handle list-item click events
- Implement a custom adapter
- Use layout recycling and the view-holder pattern

Module 5: Consuming REST-based Web Services (XAM150)

- Obtain the device's network capabilities
- Introduce REST
- Consume REST services with Xamarin

Module 6: SQLite and Mobile Data (XAM160)

- Choose a data storage strategy
- Store data locally with SQLite
- SQLite asynchronously

Module 7: Toolbar and App Bar (AND180)

- Add a Toolbar to an Activity
- Populate Toolbar Actions from an XML menu file
- Use a Toolbar as an Activity's app bar
- Set a navigation icon on an app bar

Module 8: Android Navigation (AND205)

- Use Fragment and FrameLayout to swap views
- Implement tab navigation with TabLayout
- Implement gestural navigation with ViewPager
- Combine gestural and tab navigation
- Implement drawer navigation with DrawerLayout

Module 9: Android Services (AND210)

- Handle list-item click events
- Implement a custom adapter
- Use layout recycling and the view-holder pattern

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