

Windows Phone 8 Quick Start demonstration

fork and edit tutorial (<https://github.ibm.com/MFPSamples/DevCenter/tree/master/tutorials/en/foundation/7.1/quick-start/windows-phone-8-quick-start.html>) | report issue (<https://github.ibm.com/MFPSamples/DevCenter/issues/new>)

The purpose of this demonstration is to make you experience an end-to-end flow where the MobileFirst Platform Foundation SDK for Windows Phone 8 (Silverlight) is integrated into a Visual Studio project and used to retrieve data by using a MobileFirst adapter.

To learn more about creating projects and applications, using adapters, and lots more, visit the Native Windows Phone 8 Development (../) landing page.

Prerequisite: Make sure that you have installed the following software:

- MobileFirst Platform command line tool (download (file:///home/travis/build/MFPSamples/DevCenter/_site/downloads))
 - Visual Studio 2013
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1. Create a MobileFirst project and adapter.

- Create a new project and Windows Phone 8 framework/server-side application entity.

```
mfp create MyProject
cd MyProject
mfp add api MyWindowsPhone8 -e windowsphone8
```

- Add an HTTP adapter to the project.

```
mfp add adapter MyAdapter -t http
```

2. Deploy artifacts to the MobileFirst Server.

- Start the MobileFirst Server and deploy the server-side application entity and adapter.

```
mfp start
mfp push
```

3. Create a Visual Studio Windows Phone 8 Silverlight project.

4. Add a reference to the following libraries in your project.

- `worklight-windowsphone8.dll`
- `Newtonsoft.Json.dll`

5. Implement the MobileFirst adapter invocation.

- The following code invokes an adapter:

```
WLProcedureInvocationData invocationData = new WLProcedureInvocationData("MyAdapter", "getStories");
invocationData.setParameters(new Object[{}]);
String myContextObject = "InvokingAdapterProceduresWP8";
WLRequestOptions options = new WLRequestOptions();
options.setInvocationContext(myContextObject);
WLClient.getInstance().invokeProcedure(invocationData, new MyInvokeListener(this), options);
```

6. Final configurations

- Copy the `wlclient.properties` file to the root of the native project.
- In Visual Studio, open the Properties window of `wlclient.properties` and set the **Copy to Output Directory** option to **Copy always**.
- Supply the server IP address to the `wlServerHost` property in `wlclient.properties`.
- Add the following capabilities to the `WAppManifest.xml` file:

ID_CAP_NETWORKING

ID_CAP_IDENTITY_DEVICE

7. Click Run.

Review the Visual Studio console for the data retrieved by the adapter request.

