

# Mobile Updater Application Block

## Quick Start Guide

November 2006



## Table of Contents

---

Mobile Updater Application Block Quick Start Guide	November 2006	1
Quick Start Guide		3
1 Building the source code and deploying .....		3
2 Running the Windows Mobile 5 Pocket PC sample .....		3
3 Running the Windows Mobile 5 Smartphone sample .....		5

## Quick Start Guide

---

### 1 Building the source code and deploying

The following procedure is common for both Pocket PC and Smartphone platforms, however, the project names are different.

The first step is to build the solution. To do this, open the “Updater.sln” solution and chose “Rebuild Solution” on the context menu appearing when right-clicking on the solution icon.

With the build finishes successfully, you have to deploy the resultant files to the device or emulator.

Right click on the “UpdaterAgent” or “UpdaterAgent.Smartphone” (according to your choice) icon, and select “Set as startup project”

Select the target platform and prepare the device:

👉 If you are going to use the device emulator

1. From the Tools menu, open the Device Emulator Manager
2. Locate the “Windows Mobile 5.0 Pocket PC Emulator” item. Right click it and select “Connect”. The emulator will start.
3. Check if no ActiveSync connection is active, and click “cradle” on the same menu.
4. Back to the Visual Studio IDE, with “UpdaterAgent” / “UpdaterAgent.Smartphone” still selected in the solution folder view, from the “Target Device” selector Choose “Windows Mobile 5.0 Device Emulator”

👉 If you are going to use an actual device

1. Insert the device in the cradle and wait for ActiveSync to establish a successful connection
2. With “UpdaterAgent” / “UpdaterAgent.Smartphone” selected in the solution view, from the “Target Device” selector choose “Windows Mobile 5.0 Device”

Right click the “UpdaterAgent” icon and select “Deploy”. This will deploy all the required components in the “\Program Files\Updater” folder on the target device.

Now run (F5) the project and the updater should start. Close the updater using the “Shutdown” menu item.

### 2 Running the Windows Mobile 5 Pocket PC sample

- 👉 Select “Windows Mobile 5.0 Pocket PC” from the Solutions Platforms combo box.
- 👉 Publish the web service

1. In Windows Explorer, locate the folder "SampleWebService" available in the root folder of the Updater installation. Right Click on the folder and choose "Properties" in the context menu
  2. In the "Web Sharing" tab of the properties dialog, click on the "Share this folder" option button. An "Edit Alias" dialog should appear.
  3. In the alias dialog, enter "SampleWebService" as the alias and check the "Read" checkbox inside the "Access permissions" group. It is recommendable that no other permissions were selected, but this won't affect the web service. Check the "Scripts" option button inside the "Application permissions" button group.
  4. Open the IIS administrative console. (It can be found in the Control Panel, in the "Administrative tools" group). Expand the computer icon, the "Web Sites" icon and the "Default Web Site" icon until you have found the "Sample Web Service" item.
  5. Right click in the "SampleWebService" icon and select "properties" on the context menu.
  6. In the "ASP.NET" tab, make sure ASP.NET version 2 is selected
  7. In the "Directory Security" press the "Edit..." button and make sure that "Enable anonymous access" is checked.
  8. Close the IIS administrative console
  9. Rename the file ManifestList.PocketPC.xml to ManifestList.xml
- 👉 Upload the files corresponding to version 1
1. In the Visual Studio IDE, right click on the "SampleApp" project (it's located under the "RIs" and "PocketPC" folders) and choose "Build"
  2. After the build process finishes, build the "SampleAppInstaller" installer project located in the same folder.
  3. Copy the following files to the web service application folder, located at SampleWebService\Applications\{ED83BE04-9ACE-4a72-A1B1-2C06EF92E699}:
    - The CAB project output at ReferenceImplementations\PocketPC\Cabs\V1\debug\SampleApp.CAB
    - The version 1 manifest named manifest.v1.xml, shipped as part of the project inside the ReferenceImplementations\PocketPC\Apps folder. Rename it to "manifest.xml"
- 👉 Run the updater and install the version
- Run the Updater application manually on the device or emulator and press the "Force Update" button. The updater should download and install the application in the "\Program Files\SampleApp" folder.
- 👉 Run the application
- Run the SampleApp application directly on the device, using the File Explorer. Switch to the updater without closing the SampleApp. You can do this finding the updater program in "\Program Files\Updater\UpdaterAgent.exe" and tapping in its icon.
- 👉 Publish the files corresponding to version 2
1. In the Visual Studio IDE, right click on the "SampleApp2" project and choose "Build" (it's located under the "RIs" and "PocketPC" folders).

2. After the build process finishes, build the “SampleAppInstallerV2” installer project, located on the same folder.
3. Copy the following files, overwriting the existing version 1 ones, to the web service application folder, located at `SampleWebService\Applications\{ED83BE04-9ACE-4a72-A1B1-2C06EF92E699}`:
  - The CAB project output at `ReferenceImplementations\PocketPC\Cabs\V2\debug\SampleApp.CAB`
  - The version 2 manifest named `manifest.v2.xml`, shipped as part of the project inside the `ReferenceImplementations\PocketPC\Apps` folder. Rename it to “manifest.xml”

#### 👉 Check for application updates

In the Updater Agent, press the “Force Update” button. As soon as the updater finds out there is a new version for SampleApp, the app will ask you for downloading the new version. If you press “Yes”, the download process will begin.

When the file was downloaded in the device, the app will ask you again about installing or not the update. If you press “Yes”, the Sample App will be closed and the new version will be installed.

### 3 Running the Windows Mobile 5 Smartphone sample

👉 Select “Windows Mobile 5.0 Smartphone” from the Solutions Platforms combo box.

👉 Publish the web service

1. If you haven’t run the Pocket PC sample yet, please follow the steps in the topic “Publish the web service” in “Running the Windows Mobile 5.0 Pocket PC Sample”.
2. Rename the file “ManifestList.Smartphone.xml” to “ManifestList.xml”

👉 Upload the files corresponding to version 1

1. In the Visual Studio IDE, right click on the “SampleAppSP” project (it’s located under the “RIs” and “Smartphone” folders) and choose “Build”.
2. After the build process finishes, build the “SampleAppInstallerSPV2” installer project located in the same folder.
1. Copy the following files to the web service application folder, located at `SampleWebService\Applications\{ED83BE04-9ACE-4a72-A1B1-2C06EF92E666}`:
  - The CAB project output at `ReferenceImplementations\Smartphone\Cabs\V1\debug\SampleApp.CAB`
  - The version 1 manifest named `manifest.v1.xml`, shipped as part of the project inside the `ReferenceImplementations\Smartphone\Apps` folder. Rename it to “manifest.xml”

👉 Run the updater and install the version

Run the Updater application on the device, pressing CTRL+F5 (Run without debugging) and press the “Force Update” button. The updater should download and install the application in the “\Program Files\SampleApp” folder.

👉 Run the application

Run the SampleApp application directly on the device, using the Home Button and the Start Menu.

👉 Publish the files corresponding to version 2

1. In the Visual Studio IDE, right click on the "SampleAppSP2" project and choose "Build"
2. After the build process finishes, build the "SampleAppInstallerSPV2" installer project.
3. Copy the following files, overwriting the existing version 1 ones, to the web service application folder, located at SampleWebService\Applications\{ED83BE04-9ACE-4a72-A1B1-2C06EF92E699}:
  - The CAB project output at  
ReferenceImplementations\Smartphone\Cabs\V2\debug\SampleApp.CAB
  - The version 2 manifest named manifest.v2.xml, shipped as part of the project inside the ReferenceImplementations\Smartphone\Apps folder.  
Rename it to "manifest.xml"

👉 Check for application updates

In the Updater Agent, press the "Force Update" button. As soon as the updater finds out there is a new version for SampleApp, the app will ask you for downloading the new version. If you press "Yes", the download process will begin.

When the file was downloaded in the device, the app will ask you again about installing or not the update. If you press "Yes", the Sample App will be closed and the new version will be installed.