

Application Building and Deployment instructions

The LocalDB PocketPC DLL has been compiled for ARM processors. This means that you can not use the traditional Windows Mobile X86 emulator to develop, but there are two alternatives:

1. A real device
2. The Microsoft Device Emulator

This emulator comes with Visual Studio.NET but it's also available for free on Microsoft's website. It works in combination with so-called "emulator images" that are available for free also. This emulator will emulate the ARM processor so you're able to develop with LocalDB.

To compile and build the test applications or your own applications you need to follow these 4 simple steps

Step 1 – Register the .NET control

You can skip this step when you're using the DLL directly.

Follow this step when you're going to use the .NET control library.

1. Add the .NET to your toolbox

For win32 development, this is LocalDBNETControl.dll

For PocketPC development, this is LocalDBNETControlPPC.dll

In Visual Studio 2005 that goes as follows:

right click in the Toolbox ➤ Choose Items ➤ Tab .NET Framework Components
 ➤ Browse ➤ LocalDBNETControl.dll

2. Use the example applications as a reference on how to make your application work with the .NET control.
3. When testing your application, make sure that that all DLL's (ldb_engine.dll, ldb.dll and LocalDBNETControl.dll (or LocalDBNETControlPPC.dll) are located in the same directory as your application, otherwise your application will not work properly.

Step 2 – Adjust source code

You need to change the source code so it'll work according to your specifications. Then build the application but don't deploy it just yet.

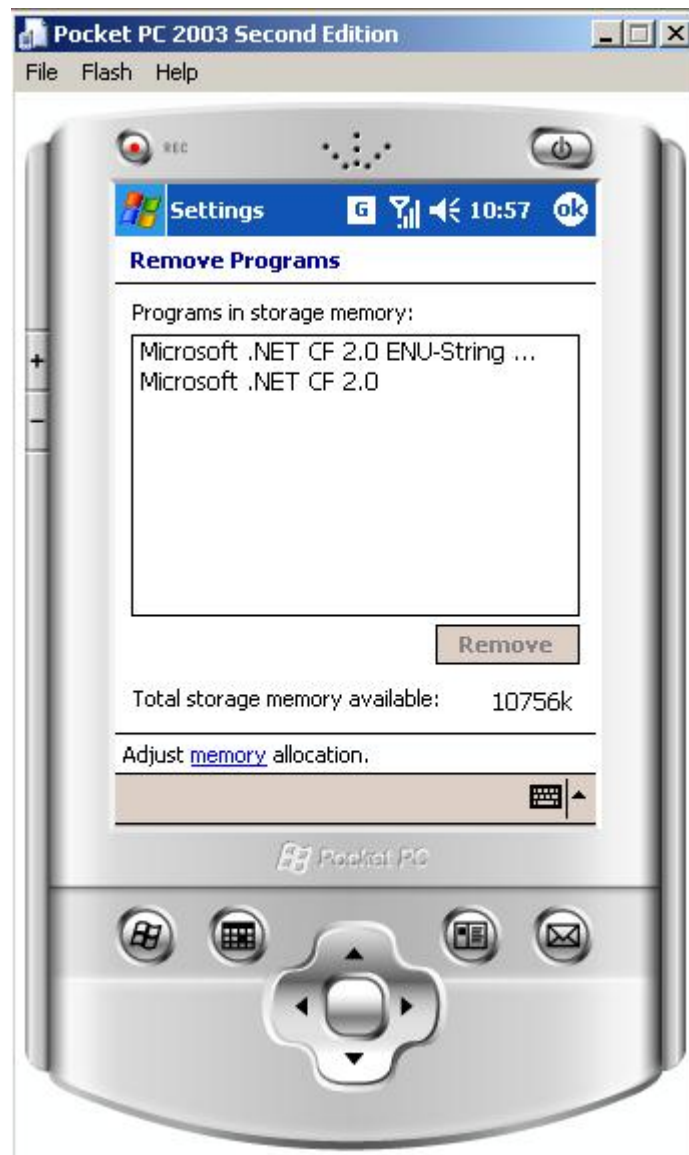
Step 3 - .NET Compact Framework 2.0

You can skip this step if you're not developing with .NET

Make sure the .NET Compact Framework 2.0 is installed on the device/emulator, before you run the test application. Visual Studio automatically installs this for you when you

deploy the test application. Deploying the test application will also run it but you should not run it right now so close it for now.

In the screenshot below you see that the .NET compact framework has been installed properly.



Step 4 – Running the application

Before you run the test application, you need to make sure that the all three DLL files are on the device and in the same directory as the test application. The easiest way to do this is by pressing the “Explore” button in ActiveSync and copy them manually to the location where Visual Studio puts the test application when you deploy it.

You can now run the test application.