Getting started with Microsoft® Visual Studio®

Version 2.0 for Voyager 8.0

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Introduction

Overview

Microsoft® Visual Studio® 2008 solutions have been created to provide examples of using Voyager with the .NET Framework and the .NET Compact Framework[1].

Preface

The purpose of this guide is to get Visual Studio users quickly started using Voyager. It assumes knowledge of Visual Studio.

This preface covers the following topics:

- Technical requirements
- Contacting technical support

Technical Requirements

Before following the steps of this guide, make sure that you have the following software available on your computer:

- The .NET framework, version 3.5
- Visual Studio 2008 Professional Edition (or better)
- Windows Mobile 5.0 or 6.0 SDK
- Virtual PC 2007

Contacting Technical Support

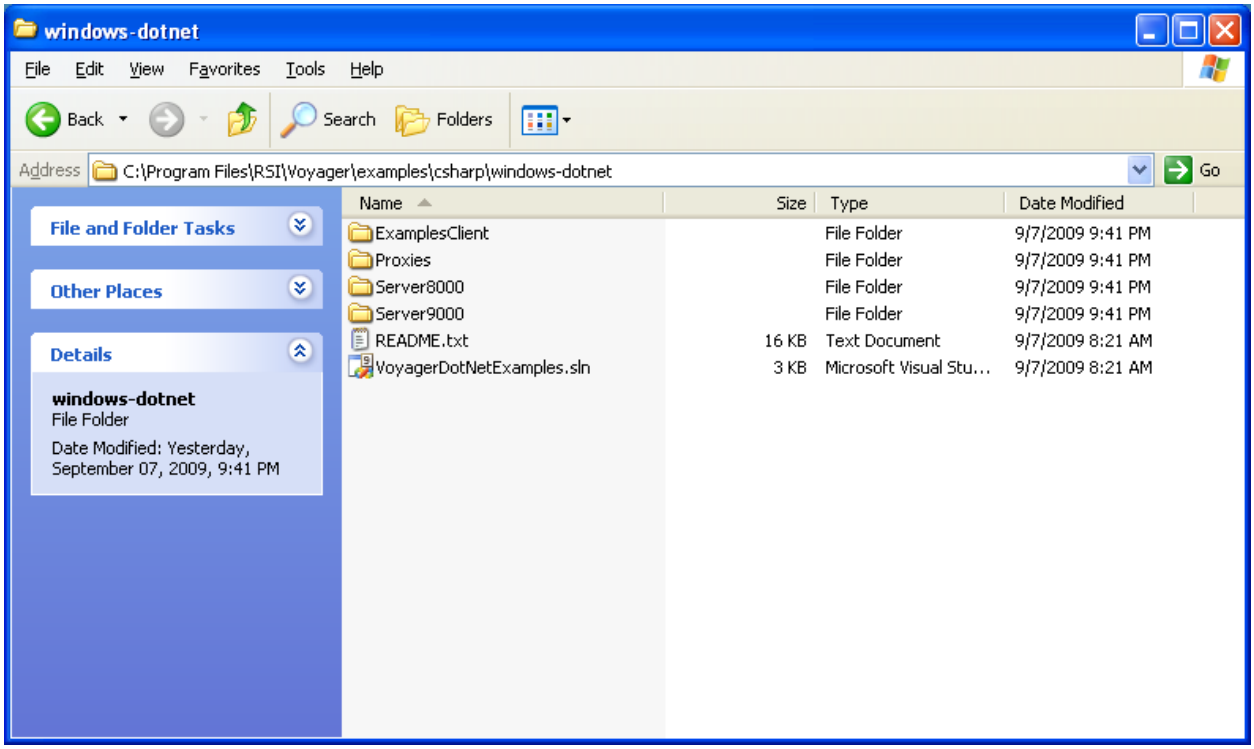
Recursion Software welcomes your problem reports, and appreciates all comments and suggestions for improving Voyager. Please send all feedback to the Recursion Software Technical Support department.

Technical support for Voyager is available via the web, email, and phone. You can contact Technical Support by sending email to psupport@recursionsw.com or by calling (972) 731-8800.

Running your windows .NET examples

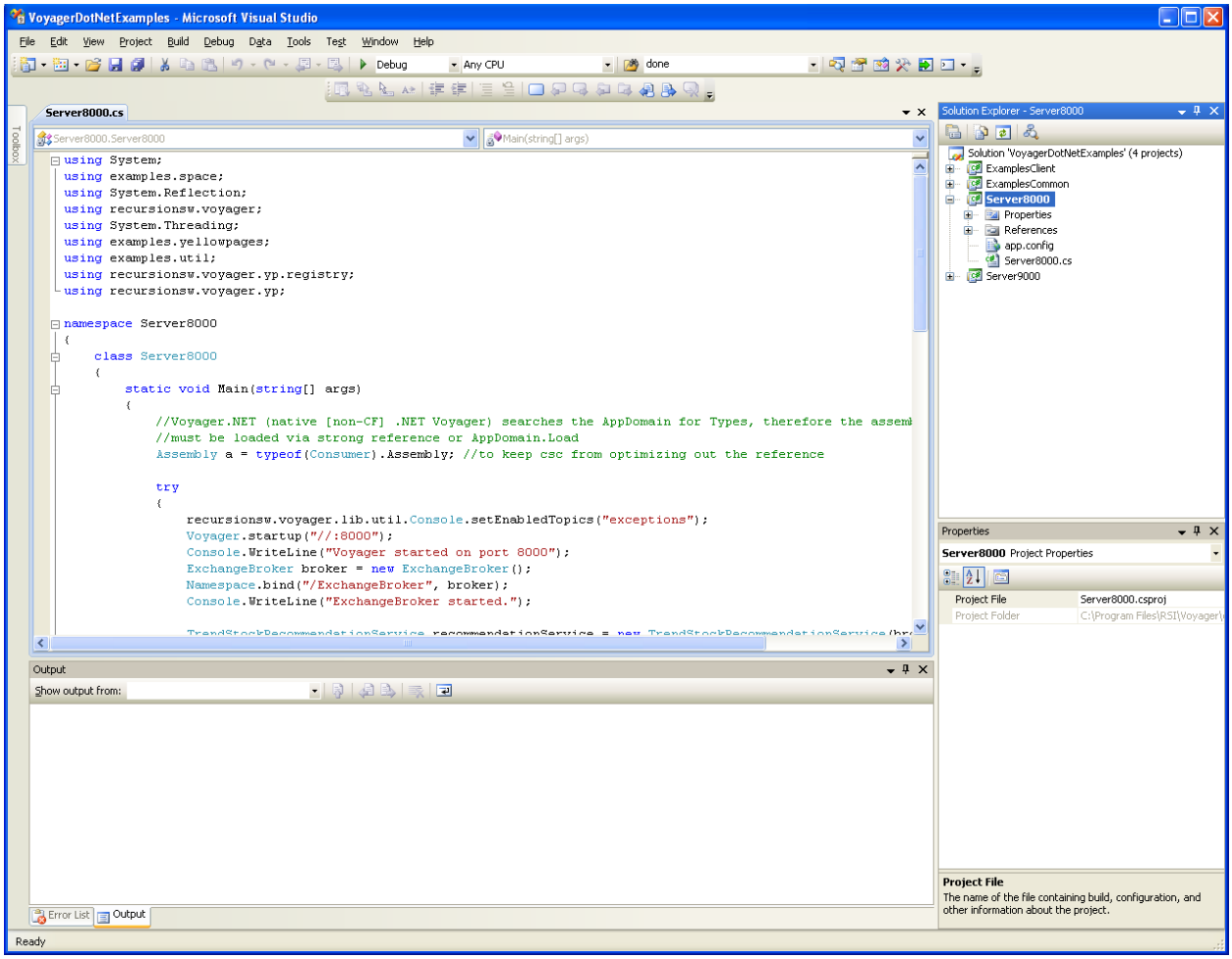
[1] Microsoft and Visual Studio are registered trademarks of Microsoft Corporation.

Open the `VoyagerDotNetExamples.sln` solution file located in `%VOYAGER_HOME%\examples\csharp\windows-dotnet` (e.g., `C:\Program Files\RSI\Voyager\examples\csharp\windows-dotnet`).

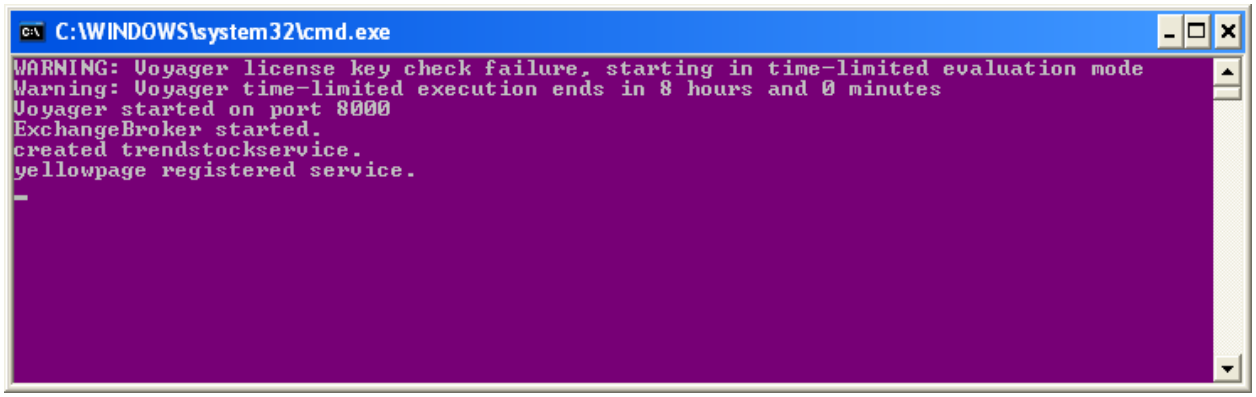


.NET server .NET client example

Select Server8000 as the “Startup Project”

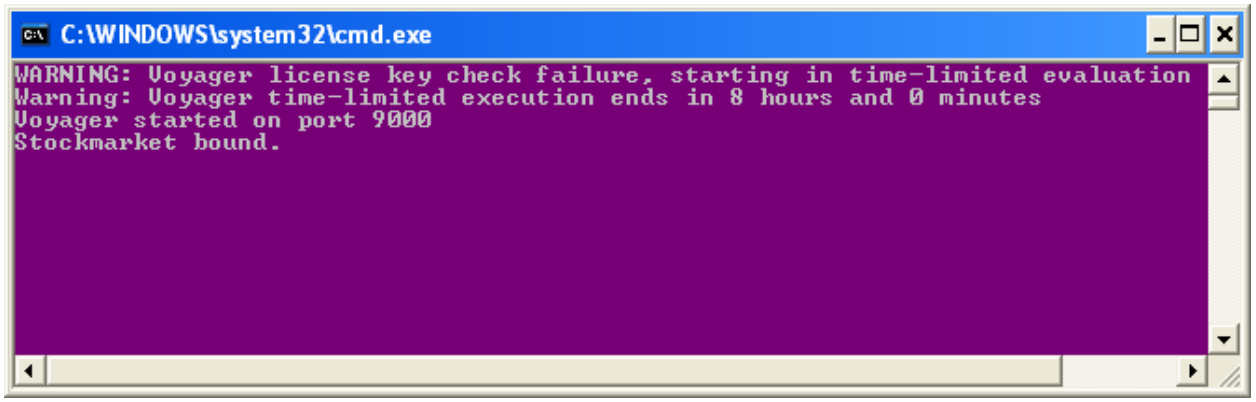


Go to Debug->Start Without Debugging to run the Server8000 console application. The console window for Server8000 should appear.



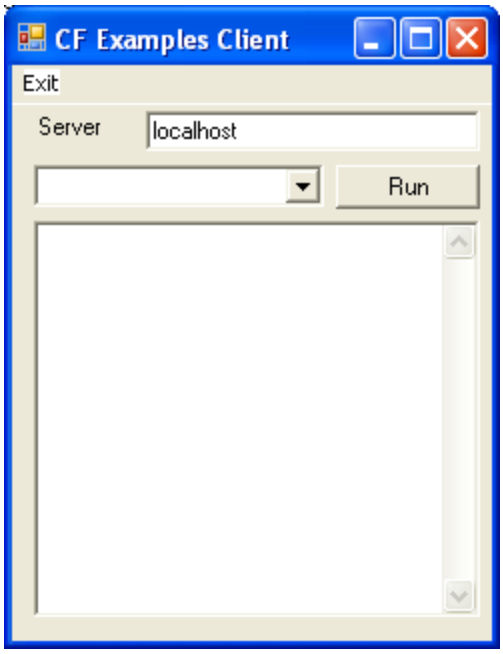
Select Server9000 as the “Startup Project”

Go to Debug->Start Without Debugging to run the Server9000 console application. The console window for Server9000 should appear.

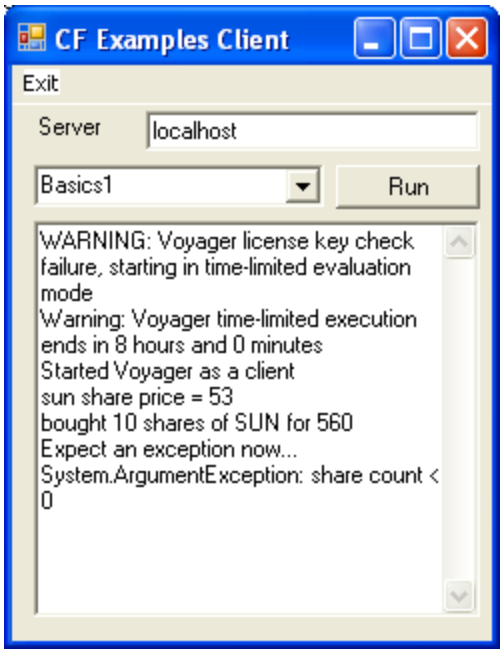


Select ExamplesClient as the “Startup Project”

Go to Debug->Start Without Debugging to run the ExamplesClient application. The window’s form ExamplesClient should appear.

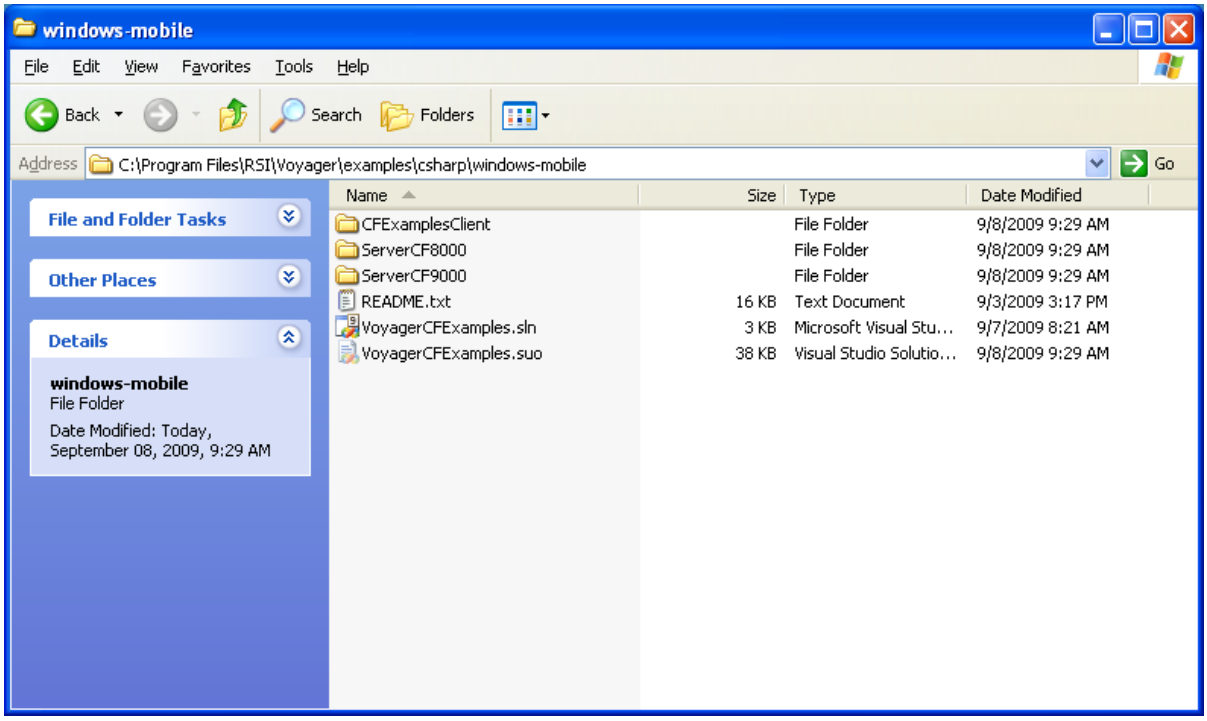


Pull down the dropdown list to select Bascis1 and then click the “Run” button. The message:
News: Sun Releases Java
Sun share price = 53
Bought 10 shares of SUN for 560
Expect an exception now…
should appear on the screen



Running your windows mobile examples

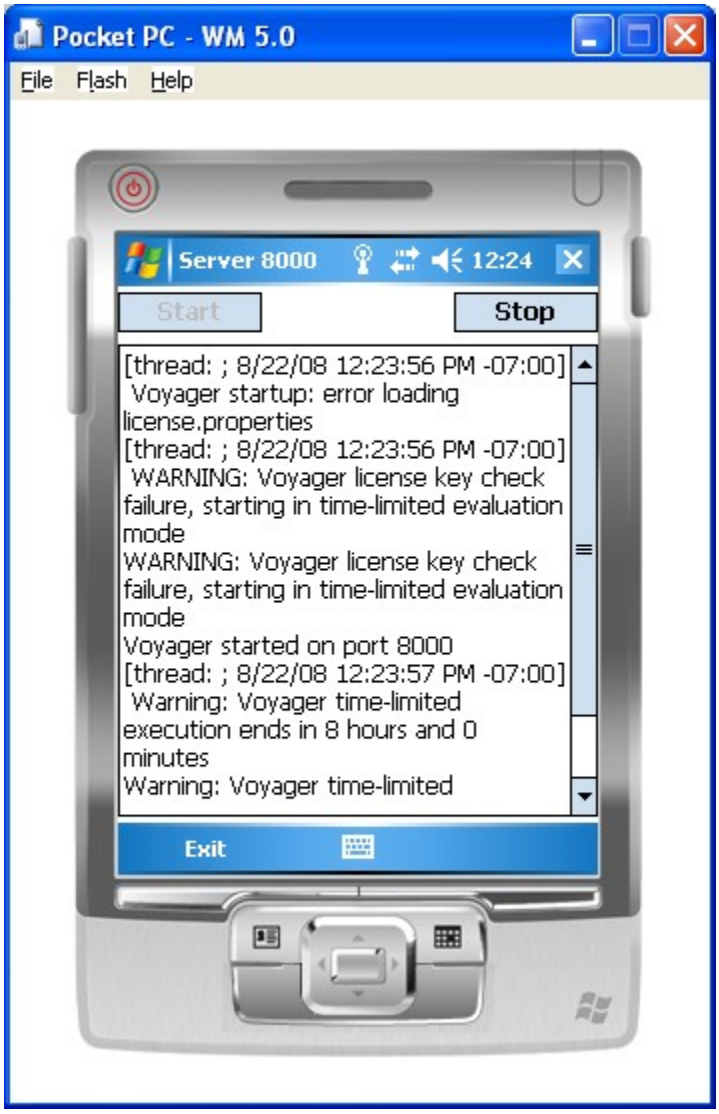
Open the `VoyagerCFExamples.sln` solution file located in `%VOYAGER_HOME%\examples\csharp\windows-mobile` (e.g., `C:\Program Files\RSI\Voyager\examples\csharp\windows-mobile`).



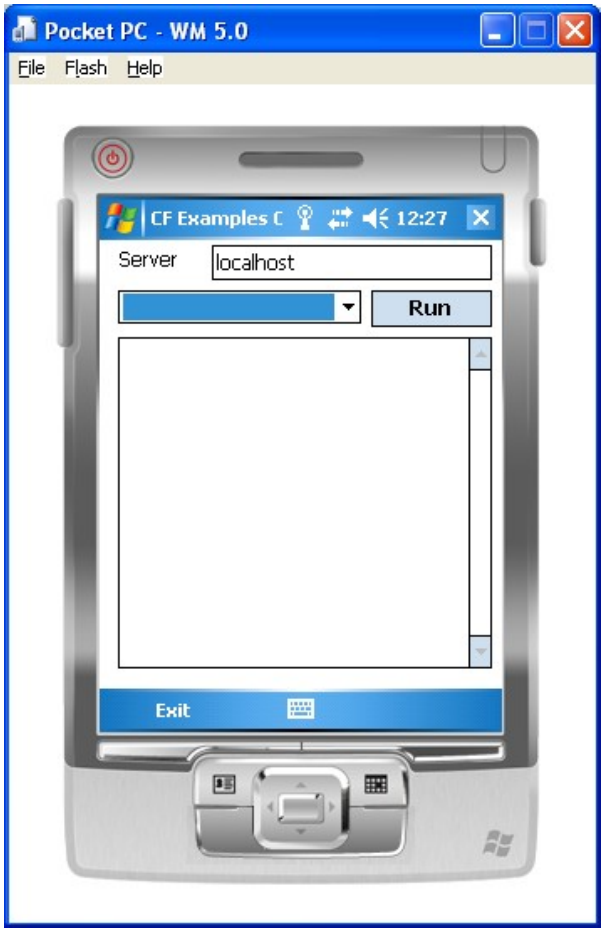
Windows mobile server and windows mobile client example

Select ServerCF8000 as the “Startup Project”. Go to Debug->Start Without Debugging to run ServerCF8000 application, a Pocket PC emulator should appear:

Click the “Start” button to start Voyager.



Select CFExamplesClient as the “Startup Project”. Go to Debug->Start Without Debugging to run the CFExamplesClient application



Pull down the dropdown list to select Bascis1 and then click the “Run” button. The message:
News: Sun Releases Java
Sun share price = 32
Bought 10 shares of SUN for 360
Expect an exception now…
should appear on the emulator screen

In order to see the CF server window, click the Windows symbol in the emulator and select Settings. Choose System option in the Settings screen. Click the Memory symbol and choose Running Programs. Choose Server 8000 in the Running Programs List and click Activate. The message:
Construct stockmarket
News: Sun releases Java

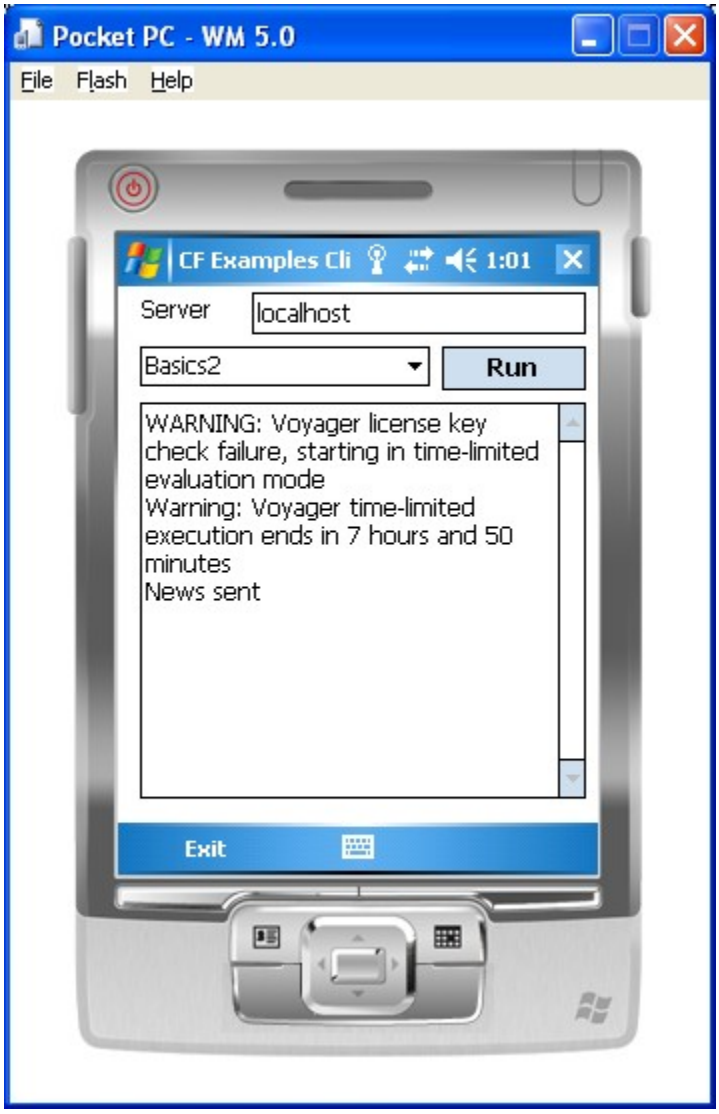
should appear on the screen.

Basics2 example

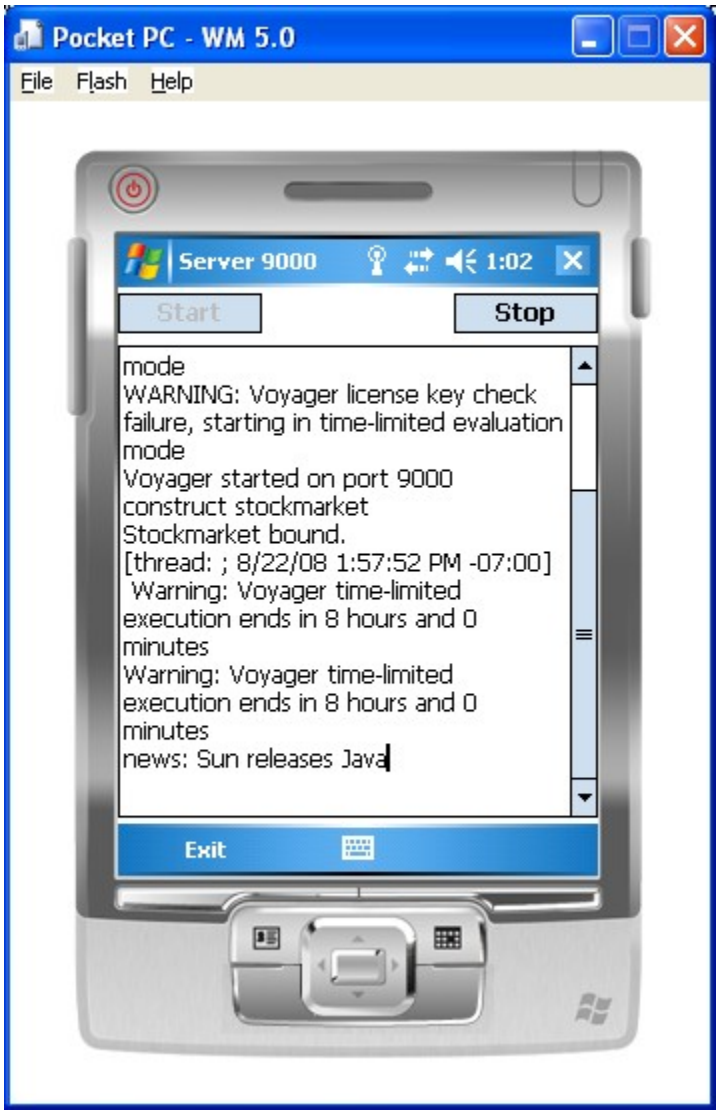
Select ServerCF9000 as the “Startup Project”. Go to Debug->Start Without Debugging to run ServerCF9000 application.

Click the “Start” button to start Voyager.

Click the Windows symbol in the emulator and select Settings. Choose System option in the Settings screen. Click the Memory symbol and choose Running Programs. Choose CF Examples Client in the Running Programs List and click Activate. Pull down the drop list to select Basics2 and click the “Run” button. The emulator screen should appear to be:



Click the windows symbol in the emulator and select Settings. Choose System option in the Settings screen. Click the Memory symbol and choose Running Programs. Choose Server 9000 in the Running Programs List and click Activate. The emulator screen should appear to be:



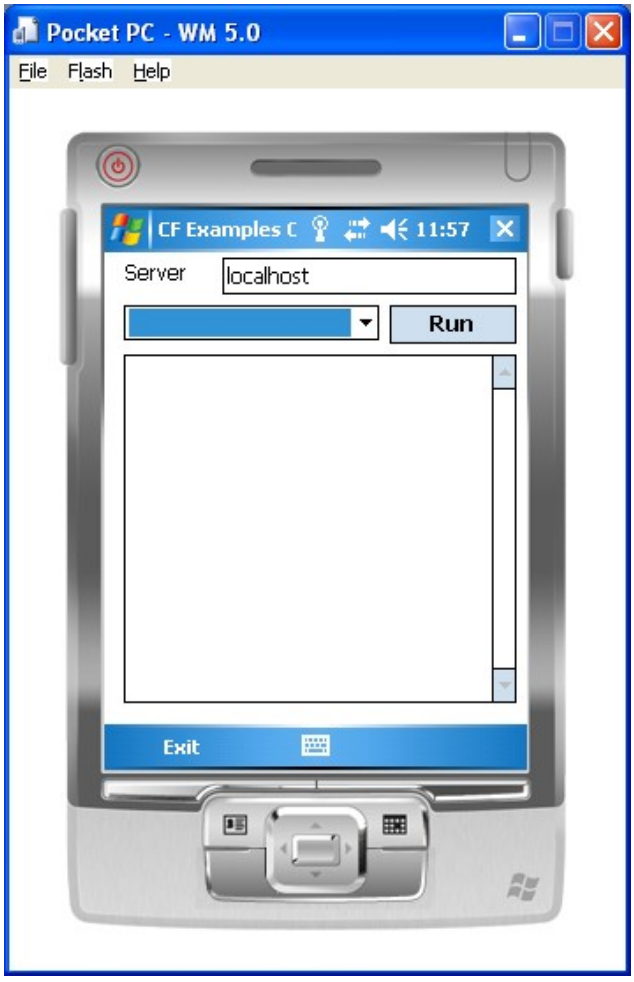
.NET server and windows mobile client example

Select Server8000 as the “Startup Project” in the `VoyagerDotNetExamples` solution.

Go to Debug->Start Without Debugging to run the Server8000 console application. The console window for Server8000 should appear.

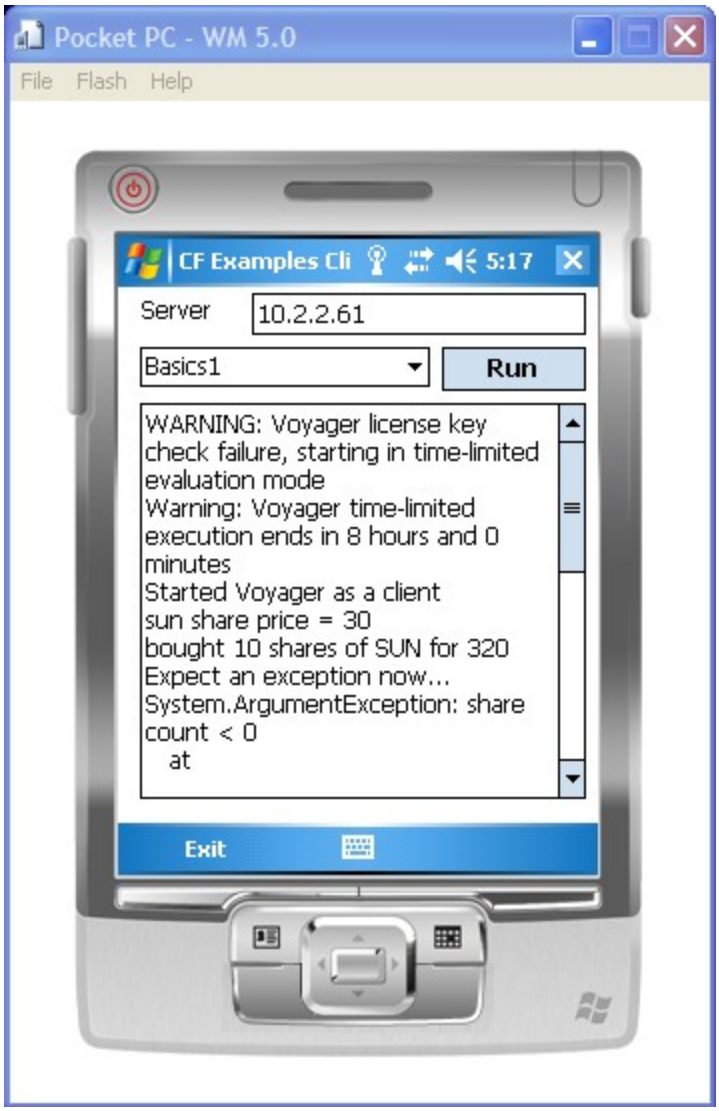
Select CFExamplesClient as the “Startup Project” in VoyagerCFExamples solution.

Go to Debug->Start Without Debugging to run CFExamplesClient application. The Pocket PC emulator should appear.



Click File --> Configure, a “Emulator Properties” window should appear, click the “Network” tab, select “Enable NE2000 PCMCIA network adapter and bind to:” then in the dropdown list, choose “Connected network card” click “ok”.

Type the machine name or IP address on which Server8000 is running in the “Server” textbox, pull down the dropdown list to select Basics1, then click the “Run” button. The emulator should display:



The console window of Server8000 should display: