How To... Prerequisites for Windows development

Applicable Releases:

SAP Mobile Platform 3.0

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Document History

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| --- | --- |
| Document Version | Description |
| 1.00 | First official release of this guide |

Typographic Conventions

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| --- | --- |
| Type Style | Description |
| Example Text | Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options.  Cross-references to other documentation |
| **Example text** | Emphasized words or phrases in body text, graphic titles, and table titles |
| Example text | File and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools. |
| Example text | User entry texts. These are words or characters that you enter in the system exactly as they appear in the documentation. |
| <Example text> | Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system. |
| EXAMPLE TEXT | Keys on the keyboard, for example, F2 or ENTER. |

Icons

|  |  |
| --- | --- |
| Icon | Description |
|  | Caution |
|  | Note or Important |
|  | Example |
|  | Recommendation or Tip |

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# Business Scenario

Travel Agency X would like to build an online mobile application for its customers, so they can book their flights anywhere, anytime from their devices. The **SAP Mobile Platform** provides a means for them to securely and efficiently access backend flight data exposed by their SAP NetWeaver Gateway system via OData-based REST services.

# Background Information

The goal of this exercise is to install all the necessary development tools for Windows application development.

# Prerequisites

This exercise has the following prerequisites:

* Access to internet
* Windows 8.1 or any Windows machine with .NET 4.5

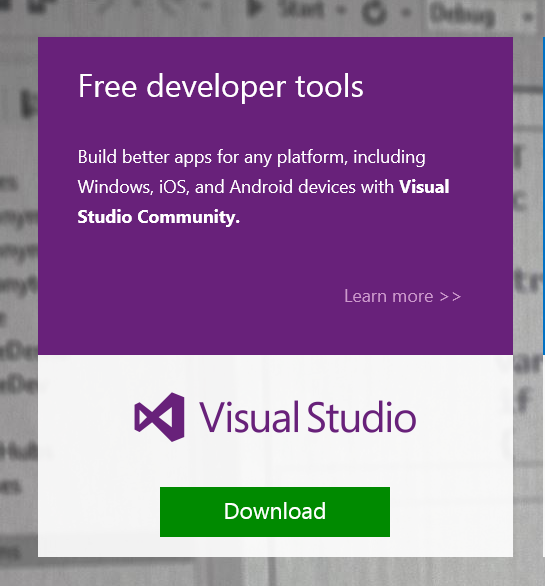
Note: Windows 8.1 is required to build Windows Store applications. If you do not have Windows 8.1, you can still build WPF applications. In addition, it is recommended to enable hardware settings in BIOS to run Hyper-V.

# Step-by-Step Procedure

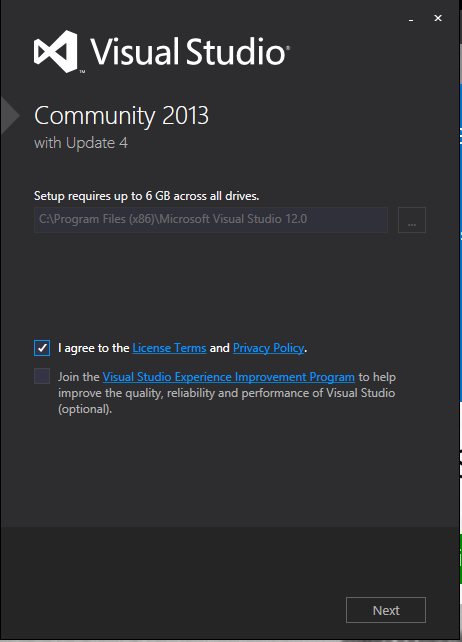
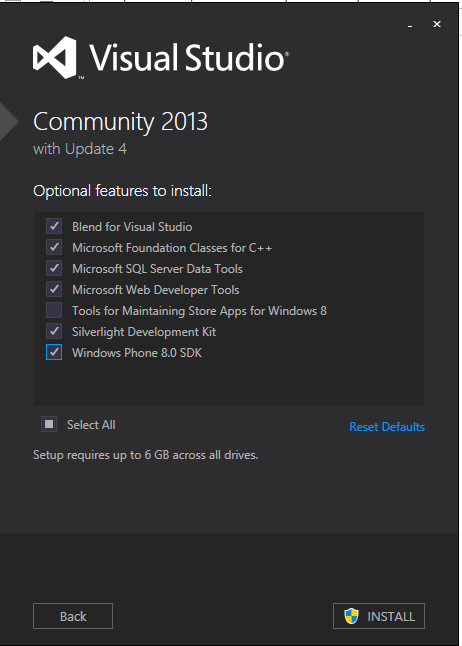
The following sections provide a detailed step-by-step procedure on how to install all the necessary development tools for Windows application development.

## Visual Studio 2013 Update 4 Community Edition

1. ...
   1. Browse to <http://www.visualstudio.com/>
   2. Click on Visual Studio – Download



* 1. Click Run and Next. Click Install to complete the installation.

Note: If you don’t have Windows 8.1, the option for Windows Phone 8.0 SDK will not be available. That is alright.

Reboot the machine if prompted to complete the installation.

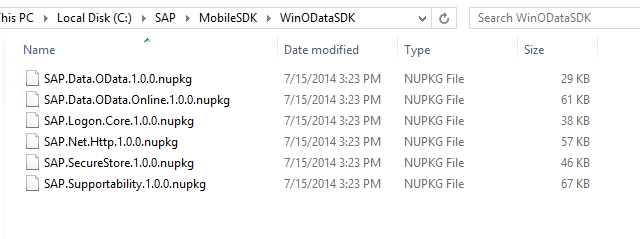
# Appendix

## NuGet Package Manager

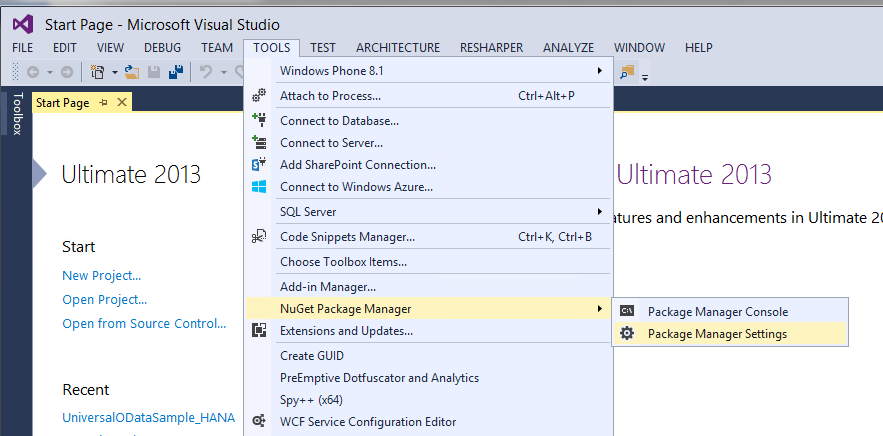
NuGet is the package manager for the Microsoft development platform including .NET. The NuGet client tools provide the ability to produce and consume packages. Starting with Visual Studio 2012, NuGet is included in every edition (except Team Foundation Server) by default. Updates to NuGet can be found through the Extension Manager.

### Adding Windows SMP SDK package in Visual Studio

1. Find the location of the Windows SMP SDK files in your local development machine (default location is C:\SAP\MobileSDK3\NativeSDK\ODataFramework\Windows). (The .nupkg file contains libraries for both Windows Store and Windows desktop)



1. Open Visual Studio 2013 with Update 4. Click Tools -> NuGet Package Manager -> Package Manager Settings



1. Click on NuGet Package Manager -> Package Sources on the left pane. On the right pane, click the + sign on the right pane to add a new package source. Enter a name for the package and browse to the source of the unzipped Windows SMP SDK files. Click Update.

**Name:** Windows SMP SDK

**Source:** C:\SAP\MobileSDK3\NativeSDK\ODataFramework\Windows

