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OpenSpan Plug-in for Microsoft Visual Studio 2010

Installation Instructions

Version 7.1

27 March 2015

Use this table to quickly find the information you need:

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Public

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Chapter 1: Installing the OpenSpan Plug-in

This document describes how to install the OpenSpan Plug-in for Microsoft Visual Studio 2010 edition. OpenSpan offers two editions of OpenSpan Studio to support the different needs of our users:

OpenSpan Studio	OpenSpan Studio is a complete standalone version built for developers who do not have Microsoft Visual Studio 2010 installed. As part of the OpenSpan Studio installation, the Microsoft Visual Studio 2010 Isolated Shell is installed, which provides the IDE foundation for OpenSpan Studio and a familiar, feature-rich development environment. Refer to *OpenSpan Studio 7.1 Installation Instructions* for instructions on installing the OpenSpan Studio standalone edition.
OpenSpan Plug-in for Microsoft Visual Studio 2010	The OpenSpan Plug-in for Microsoft Visual Studio 2010 integrates with Visual Studio 2010, so you can leverage Microsoft developer tools to rapidly create OpenSpan projects from within Visual Studio.

Note Both editions include support for all features of the OpenSpan IDE and you can switch between editions as your needs and environment change.

This document includes these topics:

- "Minimum Requirements" on page 2
- "Installing the OpenSpan Plug-in Using the Setup Wizard" on page 3
- "Installing OpenSpan Studio Via the Command Line" on page 8

Minimum Requirements

The minimum configuration required to run the OpenSpan Studio plug-in is shown in the following table.

Component	Requirement
Processor	1.6 GHz or faster processor.
RAM	• 1 GB of RAM for a 32-bit operating system • 2 GB of RAM for a 64-bit operating system **Note**: Add 512 MB if you are running in a virtual machine
Disk Space	2.8 GB
Operating system	These Windows operating systems are supported: • Microsoft Windows XP with Service Pack 3 (32-bit) • Windows 7 (32- and 64-bit) • Windows Server 2003 SP2 (32- and 64-bit) • Windows Server 2008 SP2 (32- and 64-bit) • Windows Server 2008 R2 (64-bit)
Browser	Microsoft Internet Explorer versions 7-10 (32-bit) and Internet Explorer version 11 (32- and 64-bit) are recommended. OpenSpan offers limited support for these other browsers: • Google Chrome* versions 38-47. • Mozilla Firefox** versions 31-39. • Mozilla Firefox ESR** versions from 31.6.0-38.3.0 (expected to work until Firefox ESR 38.8.0, which is due to reach its end of life on May 31, 2016).
Other applications	You must also have these applications: • Microsoft Visual Studio 2010 with Service Pack 1 • Microsoft .NET Framework 4.0 or 4.5 • Microsoft Windows Installer 3.1 or higher **Note**: If you do not have the correct versions of these applications, the Setup wizard will download and install them. For more information, see the following knowledge base article: What pre-requisites does the OpenSpan Setup wizard install?

* The Chrome extension requires OpenSpan version 7.1.49.0 or higher. For more information, see the OpenSpan Knowledge Base.
** The Firefox extension requires OpenSpan version 7.1.41.0 or higher. For more information, see the OpenSpan Knowledge Base.

OpenSpan does not work with Microsoft Visual Studio Express editions.

Note All applications integrated via the OpenSpan Platform must run at the same integrity level. The sole exception is that this version of OpenSpan supports Internet Explorer protected mode.

Installing the OpenSpan Plug-in Using the Setup Wizard

Follow these steps to install the OpenSpan plug-in:

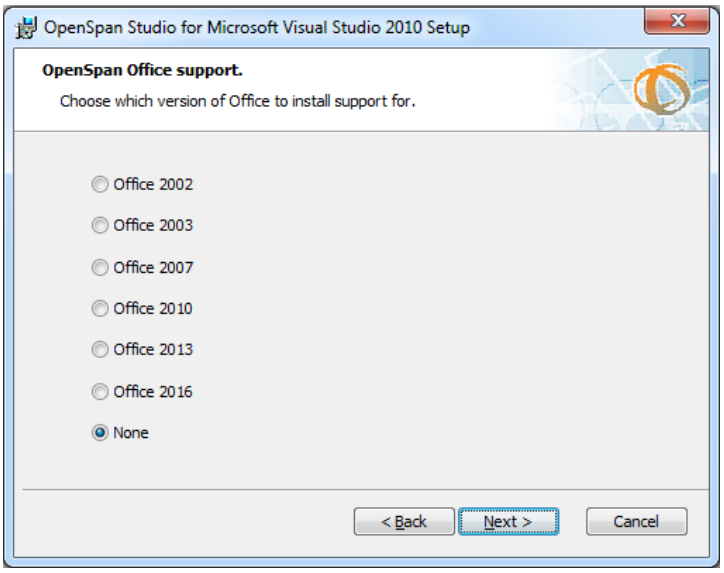
1. Download and unzip the OpenSpan Plug-in for Microsoft Visual Studio 2010 setup file into a temporary folder location.

Note For best results, install from a local drive, not a mapped drive.

2. Make sure Microsoft Visual Studio is closed, then run the installation executable file (OpenSpanPluginVS2010Setup.exe). Be sure to select Run as Administrator.

   The OpenSpan Plug-in for Microsoft Visual Studio 2010 Setup wizard starts.

3. Click Next to continue. The OpenSpan Office support panel appears.



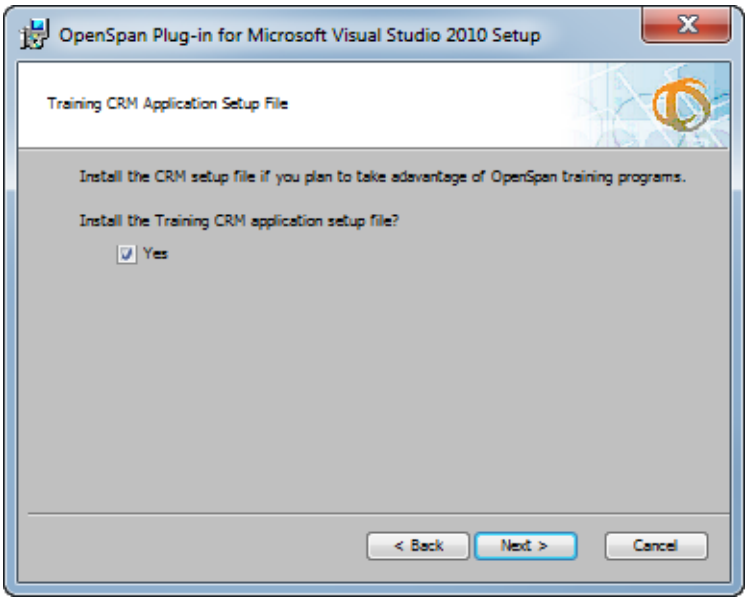
4. Select the version of Microsoft Office installed on this machine. Select None if Office is not installed on this machine, the installed version is not listed, or if you do not plan to integrate Microsoft Office.

The OpenSpan plug-in includes connectors you can use in automations to, for instance, write data to cells in Excel spreadsheets, schedule appointments in Outlook, or write and read text from Word documents. On this panel, you enable those connectors for your version of Office.

Please note that OpenSpan only works with 32-bit versions of Microsoft Office 2002, 2003, and 2007.

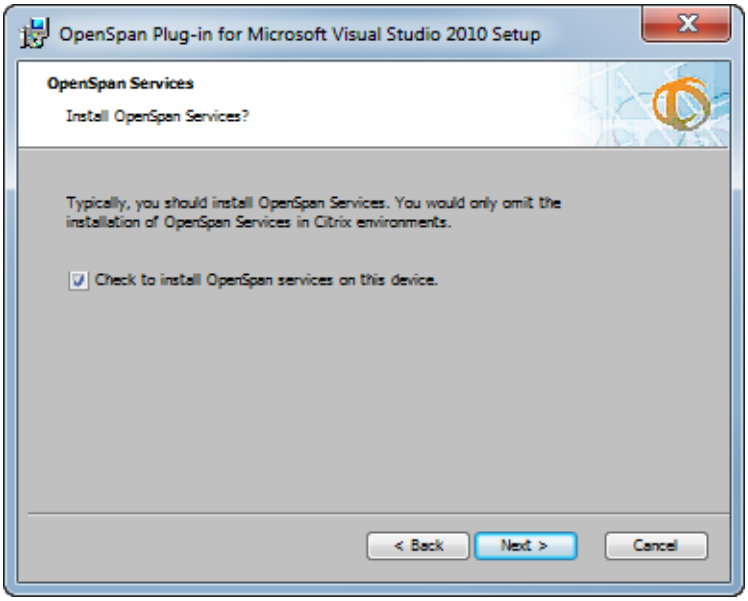
Click Next to continue.

The Install Training CRM Application Setup File panel appears.



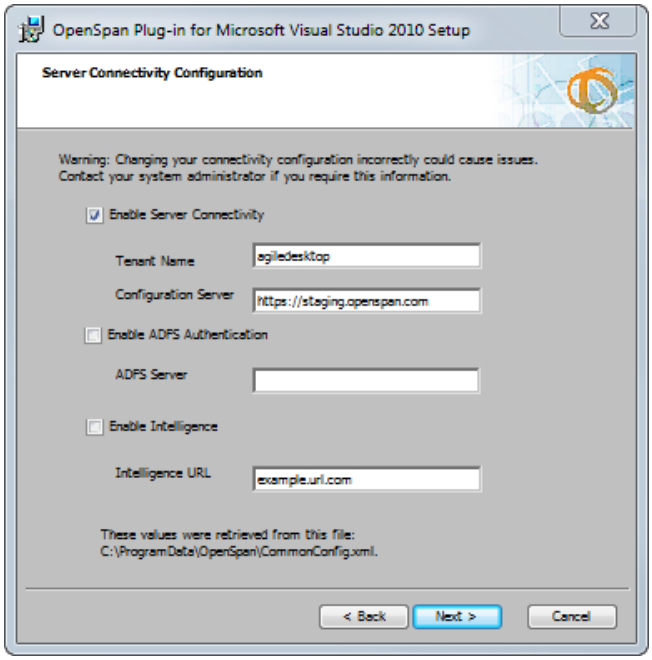
5. Click Yes to install sample CRM application setup file that is used with OpenSpan training. Leave this check box unchecked if you do not want to install sample CRM application.

   The OpenSpan Services panel appears.



6. Make sure the box is checked to install OpenSpan services — unless instructed otherwise by OpenSpan Support. Then click Next.

The Server Connectivity Configuration panel appears.



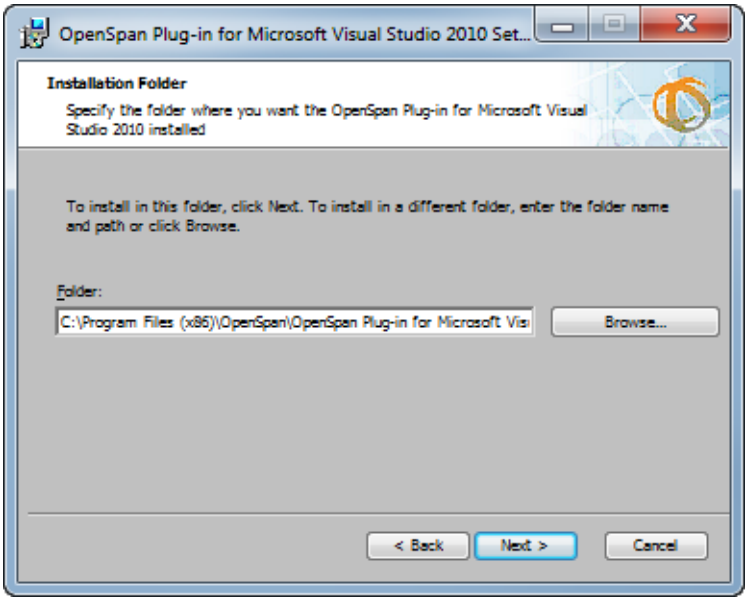
The system retrieves values from the CommonConfig.xml file and displays them the following fields. If you need to change any of these values, do so and click Next. If you are unsure what to enter, check with your System Administrator. Typically, the displayed values should be correct for your installation.

Field	Description
Enable Server Connectivity	Check this box to indicate that you want to connect to OpenSpan Management Console (OMC) and to enable the Tenant Name and Configuration Server fields.
Tenant Name	The tenant name assigned to your company or organization. This is typically the company name, omitting any non-alphanumeric characters.
Configuration Server	The name (type) of the configuration server. Configuration servers are used to authenticate and deliver configuration settings.
Enable ADFS Authentication	This box enables an Active Directory Federation Services (ADFS) server. You enable an ADFS server to implement single sign-on using the identity of the currently logged in Windows user. **Note**: An ADFS server entry is optional. If omitted, OpenSpan Management Console users are prompted to enter their email address and password.
ADFS Server	The name of the ADFS server.
Enable Intelligence	Check this box to indicate that you want to connect to the OpenSpan Workforce Intelligence™ server and to enable the Intelligence URL field.
Intelligence URL	Enter the URL of the Workforce Intelligence server.

Note You can change these values after the OpenSpan Studio plug-in is installed.

When finished, click Next to continue.

The Select Installation Folder panel appears.

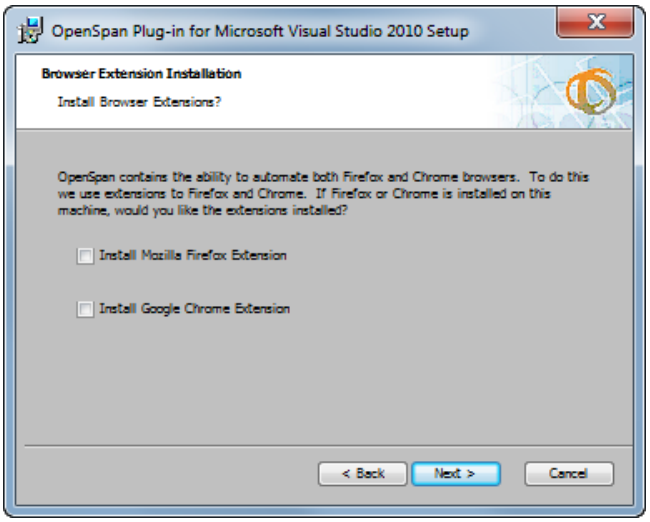


7. Accept the default installation folder for the OpenSpan plug-in or click Browse to select a different location.

Note The default OpenSpan plug-in installation folder is \Program Files, which is protected by default in Windows 7. So, for the OpenSpan plug-in to save files and folders on Windows 7 machines, you must either...

- Give to all potential users full control permissions to the OpenSpan Plug-in program folder
- Install the OpenSpan plug-in to a location other than the \Program Files folder.

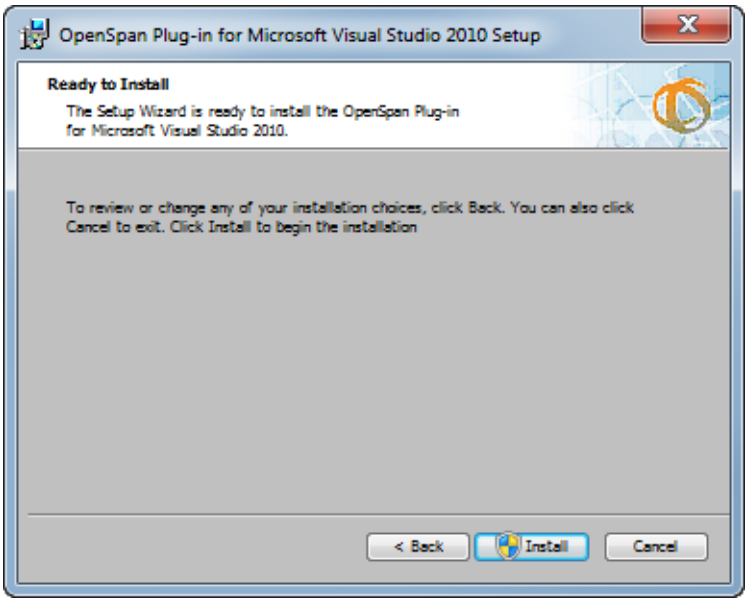
Click Next to continue. The Browser Extension Installation panel appears.



8. Check the appropriate browser extension boxes if you plan to automate other browsers in addition to Internet Explorer. OpenSpan offers limited support for the browsers shown on this panel. For more information, visit the OpenSpan Knowledge Base:

   Studio | Browsers

Click Next to continue. The Configure Shortcuts panel appears.



9. Click Install to begin the OpenSpan plug-in installation.

   The Installing OpenSpan Plug-in for Microsoft Visual Studio panel shows the installation progress. When the installation finishes, the Completing the OpenSpan Plug-in for Microsoft Visual Studio Setup Wizard panel appears.

10. Click Finish to exit the Setup wizard.

The OpenSpan plug-in features will be available the next time you start Visual Studio. You are now ready to start creating OpenSpan projects using Visual Studio.

Note If you are installing Studio to the \Program Files folder on Windows 7, give all potential users full control permissions to the OpenSpan Studio program folder before you start Studio.

Installing OpenSpan Studio Via the Command Line

You can bypass the Setup Wizard and install OpenSpan Studio via the command line using the OpenSpanStudioVS2010Setup.exe program. Here is an example of the command line syntax:

```
OpenSpanPluginVS2010Setup.exe (switches) (parameters)
```

This table shows the command line switches you can use:

Switch	Description
/i	Installs the system.
/qn+	Installs the system with no user interaction except for a modal dialog that appears at the end.
/qn	(Silent Mode). Installs the system with no user interaction at all.
/L*v	Tells the program to log all install information including that generated by the v (verbose) option. Include the name of the log file you want to use.

This table shows the command line parameters you can use:

Parameter	Description
AI_DESKTOP_SH= {0,1}	Enter one (1) to create desktop icons. The default is zero (0), which does not create desktop icons.
AI_QUICKLAUNCH_SH= {0,1}	Enter one (1) if you want the installation program to add an icon to the Windows Quick Launch toolbar. The default is zero (0), which tells the program not to add the icon.
AI_STARTMENU_SH= {0,1}	Enter zero (0) if you do not want the installation program to create a Start menu program folder. The default is one (1), which tells the program to create a Start menu folder
AI_STARTUP_SH= {0,1}	Enter one (1) if you want the installation program to add an icon in the Startup folder. The default is zero (0), which tells the program not to add an icon.
ALLUSERS= {“”,0,1,2}	You have these options: ”” = Forces a per user install. 0 = Installs per user. 1 = Installs per machine, for all users. 2 = If the user has administrator rights, it installs per machine. If the user does not have administrator rights, it installs per user. For example, to force a per user install, you would enter: ALLUSERS=”” To install per machine, for all users you would enter: ALLUSERS=1
APPDIR=	Use this parameter to override the default installation folder. The default is blank, which tells the program to install OpenSpan Studio into the default folder.

Parameter	Description
INSTALL_OFFICE= {0,2002,2003,2007,2010, 2013, 2016}	Enter the version of Microsoft Office installed on the computer. The default is zero (0), which indicates Microsoft Office is not installed on this machine, the installed version is not listed, or if you do not plan to integrate with Microsoft Office.
INST_CHROME= (0,1)	Enter one (1) to install the Chrome extension. This lets you interrogate and automate Chrome. If omitted, the Chrome extension is not installed. **Note**: You must have build 7.1.49.0 or higher to install the Chrome extension.
INST_FIREFOX= (0,1)	Enter one (1) to install the Firefox extension. This lets you interrogate and automate Firefox. If omitted, the Firefox extension is not installed. **Note**: You must have build 7.1.41.0 or higher to install the Firefox extension.
INST_SERVICES= (0,1)	Enter zero (0) if you do not want OpenSpan Services and the OpenSpan Driver Service installed. The default is one (1), which installs these services. Typically, you should accept the default. You would only set this parameter to zero (0) in Citrix environments where you could not install these services.
MSIINSTALLPERUSER= (“ “,1)	If you want the Installer to install the dual-purpose package in the per-machine installation context, set this parameter to an empty string ("") and set the ALLUSERS parameter to 2. To have the Installer install the dual-purpose package in the per-user installation context, set this parameter to one (1) and set the ALLUSERS parameter to 2. **Note**: If the ALLUSERS parameter is set to something other than 2, the Installer ignores this parameter.

Here is an example:

```
OpenSpanPluginVS2010Setup.exe /qn+ /L*v LogFileName.txt INSTALL_OFFICE=2016
AI_STARTMENU_SH=1 AI_DESKTOP_SH=1
```

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