

DevForce 2010

Installation Guide

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Installation

Product Prerequisites

Software Prerequisites Summary

- Visual Studio 2010
- Silverlight 4 Tools and Silverlight 4 Toolkit (DevForce Silverlight & DevForce Universal Only)
- SQL Server 2005, 2008, Express, or other supported database

Visual Studio Express is not supported as it does not allow add-in components.

Supported Databases

DevForce works with all databases supported by the Microsoft Entity Framework. From reports of those working on providers, these should include all of the following:

- | | | |
|--------------|-----------------------|------------|
| • SQL Server | • MySQL | • Progress |
| • Oracle | • Sybase SQL Anywhere | • Firebird |
| • IBM DB2 | • SQLite | • VistaDB |
| • Informix | • PostgreSQL | • Synergex |
| • U2 | • Ingres | • Virtuoso |

For current information on Entity Framework providers see:

<http://msdn.microsoft.com/en-us/data/dd363565.aspx>

Pre-installation Checklist

SQL Server

The DevForce samples and tutorials use the “NorthwindIB” database which may be attached to any edition of SQL Server 2005 or 2008 (including SQL Server Express). We recommend that you install at least SQL Server Express on your development machine, even if your application will use a different database, so that you can run the DevForce samples.

If you are using SQL Server 2005, you will need to attach the NorthwindIB database outside of the DevForce installer. You can download a copy of the database here: <http://www.ideablade.com/friends/NorthwindIB.zip>

Visual Studio 2010

If you are doing Silverlight development, make sure to select the **Visual Web Developer** feature when you are installing Visual Studio as this is required for all Silverlight development.

Silverlight 4 Tools (DevForce Silverlight & Universal Only)

In order to do any Silverlight development you will need to install Silverlight 4 Tools. This contains the developer runtime of Silverlight 4, the Visual Studio project support, and the Silverlight 4 SDK.

You must install the file called Silverlight4_Tools.exe. Silverlight.exe, by contrast, is just the runtime plug-in and does not contain the Visual Studio SDK needed for development.

You can download Silverlight 4 Tools from here:

<http://www.microsoft.com/downloads/en/details.aspx?FamilyID=b3deb194-ca86-4fb6-a716-b67c2604a139>

or here:

<http://www.silverlight.net/getstarted>

Silverlight 4 Toolkit (DevForce Silverlight & Universal Only)

Some of the DevForce code samples use controls from the *Silverlight 4 Toolkit* (not to be confused with the Silverlight 4 Tools). The Silverlight Toolkit is:

...a collection of Silverlight controls, components, and utilities made available outside the normal Silverlight release cycle... It includes full source code, unit tests, samples, and documentation for 26 new controls covering charting, styling, layout, and user input.

You can get the Silverlight 4 Toolkit here:

<http://silverlight.codeplex.com/releases/view/43528>

or here:

<http://silverlight.codeplex.com>

The Silverlight 4 Toolkit and the Silverlight 4 Tools are two completely different software packages. They are only named so similarly in order to separate the really good developers from the rest of the pack.
Be the first on your team to know the difference! 😊

Installing DevForce 2010

Decompress the zip file and then:

⇒ Double-click on the installation executable (e.g., **IdeaBladeDevForce.6.0.7.setup.exe**)

The installer will extract the necessary files and show the initial installation screen.

Installation Interview

- ⇒ Fill in your Product Key
- ⇒ Assign the Installation Folder
- ⇒ Click Next
- ⇒ Review and accept the License Agreement

Aborting the Installation

Try not to abort the installation or un-installation process. If you do, and later have trouble installing or un-installing DevForce, see the “Uninstall Failure” topic in the “Troubleshooting” section.

Attaching the NorthwindIB Database

If you have SQL Server 2008, the installer will try to automatically attach the NorthwindIB database used by the tutorials. If you have more than one SQL Server on your system, the installer will pick the first SQL Server that it finds (you can change the SQL Server later if you wish using the Database Installer Tool (found on the Windows Start menu) .

If the installer fails to attach the database, please see the “Trouble Attaching the NorthwindIB Database” in the Troubleshooting section.

If you are using SQL Server 2005, you will need to attach the NorthwindIB database outside of the DevForce installer. You can download a copy of the database here: <http://www.ideablade.com/friends/NorthwindIB.zip>

Done

When installation is complete, you should see the Getting Started with DevForce page. At this time, it is usually a good idea to check whether the IdeaBlade OM Designer Extension has been installed. If it is missing, please consult the Troubleshooting section of this document.

Updating Existing Applications

Consult the DevForce Release Notes

We release often – typically once every six weeks. The changes are documented in the **DevForce Release Notes**.

✓ **Read these notes before installing** a new version of DevForce.

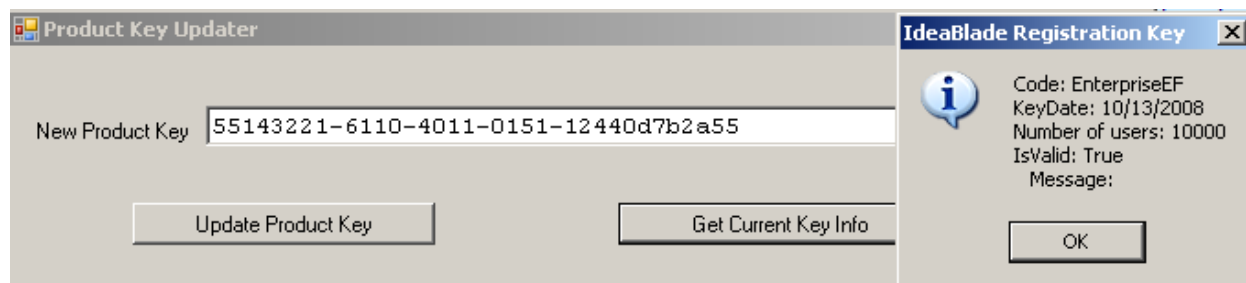
Sure they are informative. But more importantly, they tell you about any important actions you should take to update your DevForce application from one release to the next. Most releases of DevForce are backward compatible with earlier versions of DevForce. We do make breaking changes on occasion, although we try very hard to keep this to a minimum.

You should expect to take the following steps after installing a new version of DevForce:

1. Regenerate your business model entities (this will not change your custom business logic).
2. Follow the upgrade advice in the **DevForce Release Notes**.

Upgrading DevForce Editions

If you are upgrading DevForce Editions, you can accomplish this without having to reinstall. The **Product Key Updater** allows you to upgrade your product key. You can access the Product Key Updater from the **Start -> DevForce 2010 -> Tools** menu. To update your current key, copy the new key into the **New Product Key** field and press the **Update Product Key** button.

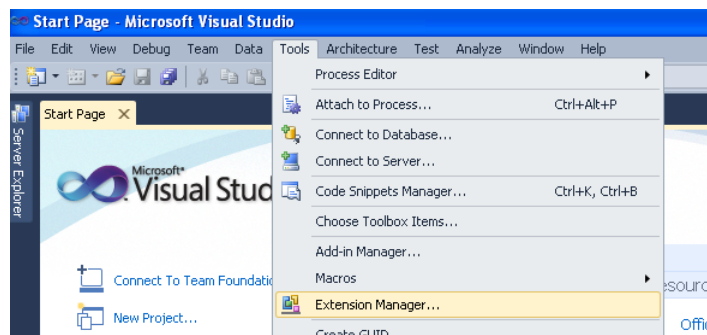


The **Product Key Updater** also allows you to get information about the current key. Just press the **Get Current Key Info** button.

Troubleshooting

Missing IdeaBlade OM Designer Extension

Immediately after installation, you should verify that the OM Designer Extension has been installed. You can do this by opening VS2010, select the **Tools Tab**, and select the **Extension Manager**.

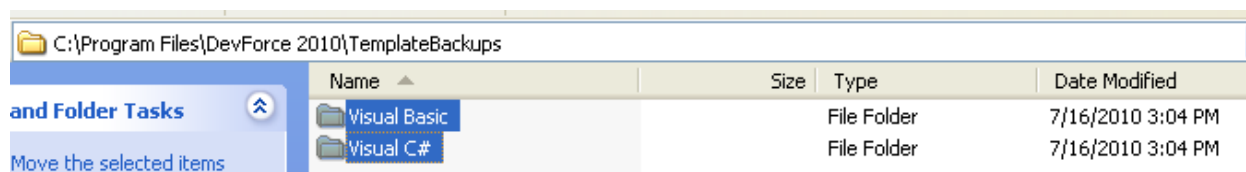
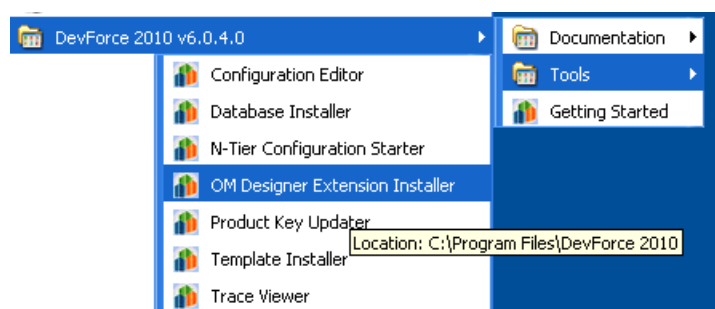


Among other extensions that you have installed, you should see the IdeaBlade OM Designer Extension



Note that you should be able to disable or uninstall the extension.

If the IdeaBlade OM Designer Extension is missing, or if you want to reinstall the extension (after uninstalling it), you can click the OM Designer Extension Installer shortcut.



Finally, copy the Visual Basic and Visual C# folders to the **destination location**.

Identifying Your DevForce Version

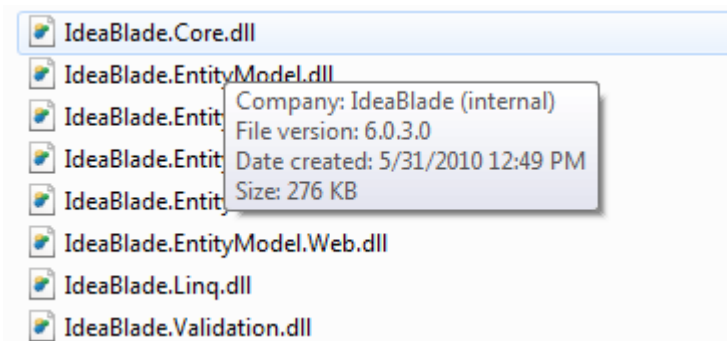
Look at the shortcut in the Windows Start menu



Look at the Assembly Version Number

A handy and easy alternative is to examine one of the DevForce components in the installation directory, which is typically located at C:\Program Files\IdeaBlade DevForce 2010\.

⇒ Hover the mouse over `IdeaBlade.EntityModel.dll`



Uninstall Failure

General Failure

This can occur if an installation or un-installation was aborted.

First, try deleting any files in the “Program Files/InstallShield Installation Information” folder.

Finally, Microsoft provides a tool, the “Windows Installer Cleanup Utility” that will uninstall just about anything:

<http://support.microsoft.com/kb/290301>

Microsoft often reorganizes their site so if this link fails, search the web for “Windows Installer Cleanup Utility”.

After running this tool, if you are trying to clear your machine of DevForce altogether, you might try installing a fresh copy of DevForce and then un-installing it immediately afterwards; this should pick up most if not all of the files from earlier installs.

Trouble Attaching the NorthwindIB Database

The DevForce installer tries to automatically attach the NorthwindIB database so that you will be able to run the tutorials.

If it did not succeed, there could be several possible reasons:

- The installer cannot detect an installed version of MS SQL Server.
- SQL Server is stopped or paused.
- You can't login to SQL Server
- The installer detects a pre-existing attached copy of the tutorial database.
- There are multiple instances or a named instance of SQL Server.
- The installer cannot attach the tutorial database for some other reason.

The good news is that DevForce installation can complete successfully even without the NorthwindIB database.

You can address many problems by running the DataBase Installer from the “Start Menu -> IdeaBlade DevForce 2010 -> Tools.

Installer cannot detect MS SQL Server

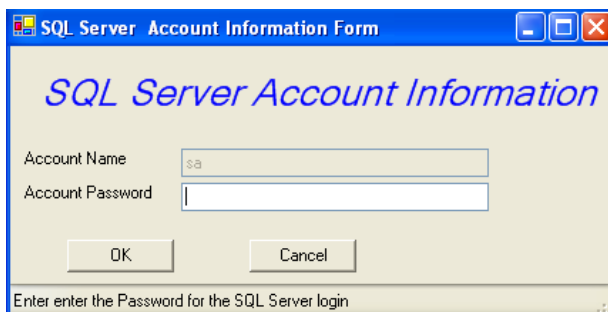
You can continue without attaching the tutorial database. If you later install SQL Server you can run the DevForce Database Installer from Start Menu -> IdeaBlade DevForce 2010 -> Tools -> Database Installer.

MS SQL Server is paused or stopped

Start SQL Server and relaunch the DevForce installation. You can also run the DevForce Database Installer from Start Menu -> IdeaBlade DevForce 2010 -> Tools -> Database Installer.

SQL Server log-in failure

The installer tries to attach the NorthwindIB database.. If it cannot, the installer will fail the attachment of the NorthwindIB database, but you will have the opportunity after the installation to attach the database using the Database Installer at a later date from Start Menu -> DevForce 2010 -> Tools -> Database Installer. The Database Installer tries to log in to the master database using Windows Integrated Security. If it cannot, the Database Installer will ask you to log in to SQL Server via the following form.



Notice that the Account Name field is pre-filled with the “sa” (System Administrator) account and that you cannot change that account.

⇒ Enter the “sa” account password and press [OK].

There are consequences if you can't log-in to the master database either through Windows Integrated Security or via the “sa” account and therefore can't attach the NorthwindIB database.

The Learning Units rely upon a connection string to this database. You will find this connection string in each Learning Unit's App.Config file. You'll learn about these files and how to adjust them in the Developers Guide.

Manually Installing the NorthwindIB Database

If you have SQL Server running on the system where you install DevForce, we attempt to install the NorthwindIB database automatically. If the Database Installer fails, you can install the `.mdf` and `.log` files manually. If you would like to try this, but do not know how, please contact Customer Support and someone can walk you through the process.