



## Intel Visual Fortran 11.1 and Visual Studio 2008 Shell Questions and Answers

Submitted by **Ronald W Green** ... on Mon, 01/04/2010 - 12:33

Categories: Fortran, Microsoft Windows\* (XP, Vista, 7)

**Introduction** : Installation Notes for Intel Visual Fortran Professional Edition 11.1 Related to Bundled Microsoft Visual Studio\* 2008 Shell

**Version** : Intel Visual Fortran Professional Edition 11.1

### Known Issues:

Fortran documentation not available from HELP menu in VS08 Shell

### Intel Visual Fortran 11.1 and VS08 Shell Installation Questions and Answers :

**Question:** What is the Microsoft Visual Studio\* 2008 Shell and Libraries? Do I need it? Do I want it?

**Answer:** The Microsoft Visual Studio\* 2008 Shell and Libraries (VS08 Shell) is an integrated development environment (IDE) that is bundled with the Intel Visual Fortran Compiler Professional Edition 11.1 for users with Commercial or Academic licenses (all other licenses read the Q&A at the end of this page).

**Do I need it, do I want it?:** This Fortran-only development environment can be used by customers who do NOT have an existing prerequisite Microsoft development environment (see the **Required and Optional Microsoft\* Development Software** article.) If you already own a supported Microsoft development environment you probably will not want or need VS08 Shell.

With the release of Intel Visual Fortran Professional Edition 11.1, VS08 Shell is provided as a replacement for the Microsoft Visual Studio 2005 Premier Partner Edition (VSPPE) packaged with versions 10.x and 11.0 of the Intel Visual Fortran Compiler. If you have VSPPE installed, read the question below:

**Question:** Before installing Intel Visual Fortran Professional Edition 11.1 I had a working installation of Microsoft Visual Studio\* 2005 Premier Partner Edition (VSPPE). After installation of Intel Visual Fortran Professional Edition 11.1 I find that my VSPPE no longer works (Fortran compiler is not visible). Is this a bug?

**Answer:** The Commercial and Academic licensed versions of Intel Visual Fortran 11.1 come bundled with the Microsoft Visual Studio\* 2008 Shell (VS08 Shell). This is intended to replace your older VSPPE environment. During installation of Intel Visual Fortran Pro 11.1, any VSPPE integrations are removed from the system prior to the installation of VS08 Shell. Instead of starting VSPPE, simply start Microsoft Visual Studio\* 2008 Shell. If you wish to re-install the previous version integration into VSPPE, run the previous version's installer, select Modify and then enable only Visual Studio 2005 integration in the Component selection screen. Continue with the installation.

**Question:** Can I simply install the Intel Visual Fortran 11.1 compiler into my existing VSPPE installation?

**Answer:** No, Intel Visual Fortran 11.1 supports integration into VS08 Shell and/or integrations into FULL versions of Microsoft Visual Studio. Please read the 'Release Notes' document for Intel Visual Fortran for Windows Professional Edition 11.1 for details about supported development environments.

**Question:** Can VS08 Shell co-exist on a system with a full version of Microsoft Visual Studio\* 2008?

**Answer:** No, only one integration into Visual Studio\* 2008 can exist on a system. So you must choose if you want VS08 Shell or your full version of Visual Studio\* 2008.

of Microsoft Visual Studio\* 2008 (Standard or Pro). Because VS08 Shell has limited functionality, you will probably want to have Intel Visual Fortran 11.1 integrate into your existing Microsoft Visual Studio\* 2008 (Standard, Professional or Team System Edition). This is the default behavior of the compiler installer: if any qualifying full version of Microsoft Visual Studio\* is found, Intel Visual Fortran Pro 11.1 will simply integrate into that environment and not install the VS08 Shell. See the 'Release Notes' document for Intel Visual Fortran Pro 11.1 for an explanation of the limitations of VS08 Shell compared to the full version of Microsoft Visual Studio\* 2008.

**Question:** I have a full version of Microsoft Visual Studio (or multiple versions of Visual Studio) installed on my system. After Intel Visual Fortran Pro 11.1 installation I now see the 11.1 compiler in my existing environment(s). However, I did not get an option to install VS2008 Shell and I do not see it installed on my system. Can I install VS08 Shell manually? Is there any reason I would not want to install VS08 Shell?

**Answer:** The Microsoft Visual Studio\* 2008 Shell has limited functionality compared to a full version (Standard or Professional) of Microsoft Visual Studio\* 2008. Please read the 'Release Notes' document that came with the Intel Visual Fortran Pro 11.1 compiler for a list of features that are not provided in the VS08 Shell. For this reason, you may wish to continue to use your existing Visual Studio rather than the Intel Visual Fortran Compiler Pro 11.1 provided VS08 Shell. If you do not already have Microsoft Visual Studio 2008 installed, you can install VS08 Shell manually. Assuming you downloaded and installed the "full" installer that includes VS08 Shell, open the folder C:\Program Files\Intel\Download\FortranCompilerPro11.1\installs\1033\w\_cprof\_vs2008 and run install2008shell.exe from that folder. After it completes, open Add or Remove Programs in Control Panel, select Intel Visual Fortran 11.1, select Change/Remove, then Modify. At the Component selection screen, make sure that Integrations into Microsoft Visual Studio is selected and click Next. Proceed with the installation.

**Question:** Now that I have VS08 Shell installed, can I install Intel C/C++ into my VS08 Shell environment so I can do mixed language programming?

**Answer:** No, the VS08 Shell provided with your Intel Visual Fortran Pro 11.1 will **support Intel Visual Fortran ONLY**. **No other languages** will integrate and work in this IDE.

**Question:** I do not see the Microsoft Visual Studio\* 2008 Shell bundled with my Student licensed Intel Visual Fortran 11.1. Where is it, or how do I get it?

**Answer:** Student editions of Intel Visual Fortran 11.1 do not contain VS08 Shell. You must purchase a Commercial or Academic licensed Intel Visual Fortran 11.1 to obtain VS08 Shell. **Why don't you bundle VS08 Shell and Libraries with Student Edition compilers?** Microsoft offers special pricing for students for Visual Studio: please check with your campus bookstore to see if they offer this product. Since students have access to very inexpensive versions of Visual Studio, we believed that it would be easier for them to obtain this separately and thus we could reduce the student pricing by NOT including VS08 Shell and Libraries (we pay royalties to Microsoft for these tools).

**Question:** I see that Microsoft offers a free download of Visual Studio\* 2008 Shell. Can I use that version of Visual Studio and integrate my Student Edition compiler into that free version from Microsoft?

**Answer:** No, the version of Visual Studio\* 2008 Shell and Libraries that ships with our commercial and academic licensed compiler contains not only the Shell but also contains MS tools and libraries and linker. We use the term "Visual Studio\* 2008 Shell and Libraries" as a shorthand name for the VS08 Shell PLUS a number of other tools that we license from Microsoft - but it is NOT the same as the free download from Microsoft: that shell available from Microsoft has no language support, no libraries, and no linker.

**Question:** I do not see the Microsoft Visual Studio\* 2008 Shell bundled with my evaluation version of Intel Visual Fortran 11.1. Where is it, or how do I get it?

**Answer:** Evaluation editions of Intel Visual Fortran 11.1 do not contain VS08 Shell. You must purchase a Commercial or Academic licensed Intel Visual Fortran 11.1 to obtain VS08 Shell. If you wish to evaluate Intel Visual Fortran 11.1 and do not own a version of Microsoft Visual Studio\*, see the **Required and Optional Microsoft\* Development Software** article.

**Question:** I do not see the Microsoft Visual Studio\* 2008 Shell bundled with my 'Compiler Suite' product. Where is it, or how do I get it?

**Answer:** 'Compiler Suite' products do not contain VS08 Shell. This is because you are purchasing a C++ and Fortran compiler suite: VS08 Shell only supports Fortran and NOT C++. If you purchase a suite with both Fortran and C++ it is assumed that you have a need for mixed language programming and **VS08 Shell** does not fit this scenario. In this scenario you probably will want to separately purchase a full version of Microsoft Visual Studio\* so that you can have support for mixed-language programming. You must purchase a Commercial or Academic licensed Intel Visual Fortran Pro 11.1 to obtain VS08 Shell. If you wish to evaluate Intel Visual Fortran 11.1 and do not own a version of Microsoft Visual Studio\*, see the **Required and Optional Microsoft\* Development Software** article.

**Question:** I don't see my question or answer here. Where can I get an answer?

English

**Answer:** Post a question on the Intel Visual Fortran User Forum, which is [HERE](#).

For more complete information about compiler optimizations, see our [Optimization Notice](#).

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## Comments



**bpaul@alionscience.com** Wed, 06/24/2009 - 08:08

Is there a clear explanation on the 11.1 upgrade? Does it require MS Shell 2008, does it not? The downloads offer 2008 shell but don't explain it is needed. Is there a web page that explains it explicitly???

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**Ronald W Green (Intel)** Wed, 06/24/2009 - 09:29

Paul, that is an excellent question. I have added a Q&A at the top of this list to explain what VS08 Shell is and why one would or would not want it.



Also, you can find additional information. On the Downloads page where you see the download packages, just above the package names is a thick grey bar separator (thick grey line). If you look in this bar on the right is a small text hyperlink named 'File description and product notes': click this link for more information on the package.

If you are using the Microsoft Visual Studio 2005 Premier Partner Edition (VSPPE) that was packaged with v10.x and v11.0 you may want to download the kit with VS08 Shell. This will replace your older VSPPE with the new IDE provided by VS08 Shell. Note from above that you cannot integrate 11.1 into VSPPE.

I hope this helps answer your question(s)

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Anonymous Sun, 08/23/2009 - 17:50

Hi Ron,

I see that Microsoft is offering visual studio 2008 shell for free.  
[msdn.microsoft.com/en-us/vsx2008/products/bb933751.aspx](http://msdn.microsoft.com/en-us/vsx2008/products/bb933751.aspx)

I prefer simple setup. Can I download and install the shell from there, and then install/integrate the student version with the shell?

If the shell is free, why the version bundled with Intel Fortran Compiler only supports Fortran? What is not much point in doing this or emphasizing this in your article?

Point out if I am wrong

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**Ronald W Green (Intel)** Mon, 01/04/2010 - 12:34

I have updated the Q&A to answer Will Young's questions. --ron



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Anonymous Mon, 03/29/2010 - 16:46

I have installed Intel Visual Fortran Academic with Visual Studio Shell. Now that I need to install the full version of Visual Studio for C++ development, will I need to explicitly remove Shell, or can I just install on top of it? Will Intel Visual Fortran be automatically visible to Visual Studio, or will I need to take extra steps to integrate it?

Or should i just remove Fortran and Shell, install Studio, and then reinstall Fortran without Shell?

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Anonymous Wed, 04/28/2010 - 17:15

Ronald,

Above you've stated, "This Fortran-only development environment can be used by customers who do NOT have an existing prerequisite Microsoft development environment ..." So will the "Shell" IDE shipped with IVF Fortran compiler allow me to edit, debug, link, build, and execute app.s/programs from Fortran source code? I'm not clear on the features in the "2008 Shell IDE." (I will need to modify and write source modules for a Fortran engineering simulation on my Windows XP laptop and I don't own any MS Studio IDE's.)

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AnonymousMon, 11/08/2010 - 15:50

I need any e-mail for sale people at intel; I intend to buy professional intel Fortran 11.1 with IMSL

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AnonymousWed, 03/14/2012 - 06:18

how can we compile this version of fortran with ABAQUS 6.10?

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