

00. Microsoft Visual Studio 2010 Installation Tutorial

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What is Visual Studio?

“Microsoft Visual Studio is a powerful IDE (Integrated Development Environment) that ensures quality code throughout the entire application lifecycle, from design to deployment. Whether you’re developing applications for SharePoint, the web, Windows, Windows Phone, and beyond, Visual Studio is your ultimate all-in-one solution.”

from <http://www.microsoft.com/visualstudio/en-us>

Getting a copy of the Professional Edition

If you received a DVD with Visual Studio 2010, skip this and the following few sections and go to installation.

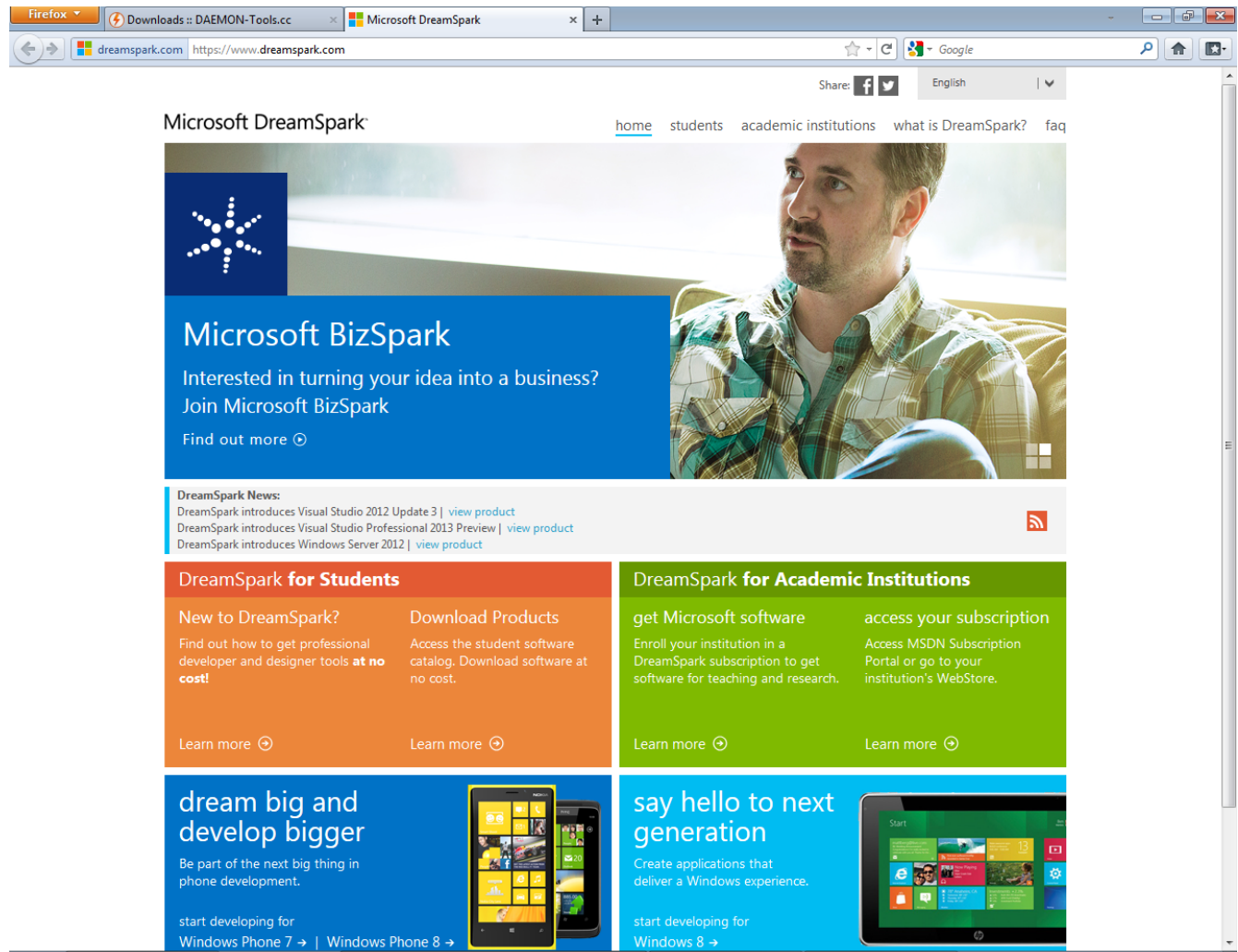
Visual Studio is a rather expensive professional software but students can get their hands on a copy of the professional edition by participating in DreamSpark. You'll get an ISO image of the DVD containing the software. You can think of that as a virtual copy of the DVD. You'll need an image mounting software in order to install the program using the ISO image. I will be using Daemon Tools (Google it or visit <http://www.daemon-tools.cc/eng/downloads> and download the lite version for free) to mount the image file. You can skip ahead to the section describing usage of Daemon Tools once you have the image file containing Visual Studio 2010 Professional Edition.

For this and almost all of my tutorials, I will be using Mozilla Firefox as the browser.



Downloading the ISO image file


To get yourself a copy of Visual Studio 2010 Professional Edition, create an account in <http://www.DreamSpark.com>. DreamSpark is an initiative by Microsoft to provide students with access to professional developer tools. You'll also need to verify that you are indeed a student.

The DreamSpark homepage looks like this:




You can go to the products available for students by clicking on “Download Products” under “DreamSpark for Students”. We are interested in Visual Studio 2010 Professional. The product page for Visual Studio 2010 is located here: <https://www.DreamSpark.com/Product/Product.aspx?productid=4>. Go to that link or find and click on “Visual Studio 2010 Professional edition” from DreamSpark homepage.


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get it now 

DreamSpark has the tools you need 

Sign in or [create an account](#) to download these software & development tools at no cost; or [check](#) if you can get more software through your school.

Developer & Designer Tools




Visual Studio


112 for none




Team Explorer for Visual Studio 2013




Visual Studio 2010 Professional




Microsoft Expression Studio 4 Ultimate



Kinect for Windows SDK




XNA Game Studio 4

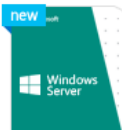


Kodu Game Lab


Servers & Applications




SQL Server 2012




Windows Server




Windows Server 2012 Datacenter




SQL Server



SQL Server 2012



Windows Server 2008 R2 Standard



Windows Server 2008 Standard Edition

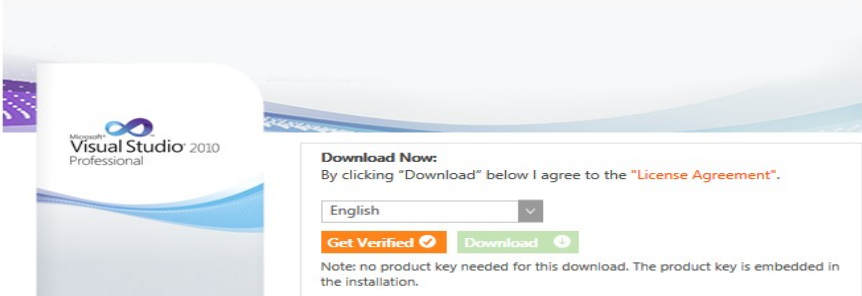
Click the “Get verified” button in the next page.

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Visual Studio 2010 Professional Edition



Download Now:
By clicking “Download” below I agree to the [“License Agreement”](#).

English

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Note: no product key needed for this download. The product key is embedded in the installation.

Resources & Training

- Visual Studio Developer Center
- Visual Studio 2010 Walkthroughs
- Visual Studio 2010 and .NET Framework 4 Training Kit
- Visual Studio 2010 and .NET Framework 4 Training Course
- Moving to Visual Studio 2010 e-book

It will take you to the following page. If you already have an account with DreamSpark, log in. Else click on “Create an Account”. Click on “Continue” when the dialog box pops up.

Microsoft DreamSpark

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DreamSpark.com now requires you to log in using a Microsoft account. To make it easy for you to keep your user history and downloaded products, please map your DreamSpark account with your Microsoft account. If you have already mapped your DreamSpark account and Microsoft account or have created a new account using Microsoft account then please click the Microsoft account sign in button below:

[Microsoft account sign in](#)

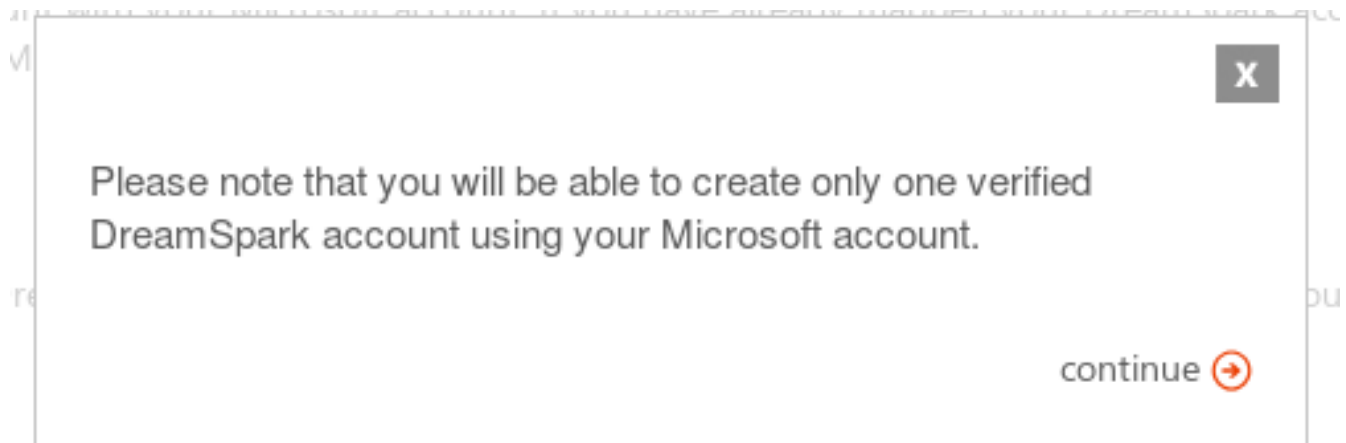
If you have not yet mapped your DreamSpark account and Microsoft account then please click the DreamSpark account sign in button below:

[DreamSpark Account sign in](#)

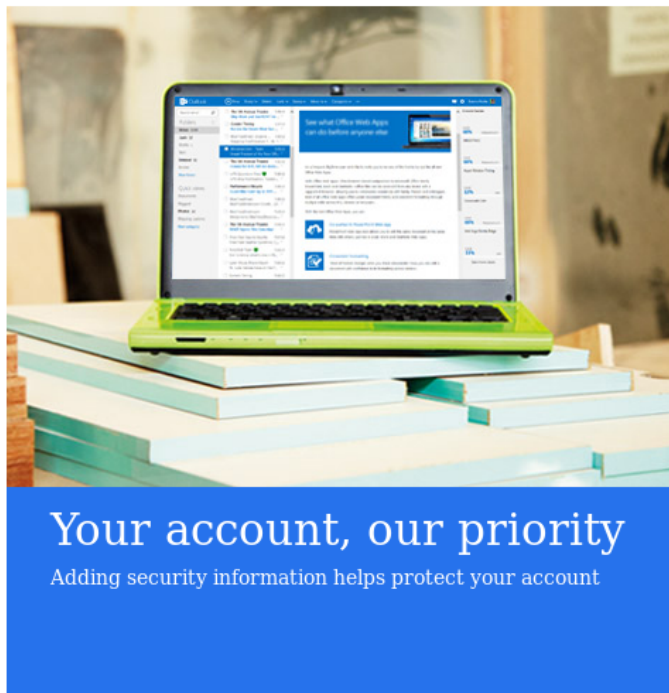
Don't have an account yet? Click create account button below to create a new account:

[Create Account](#)

For more information, refer our [FAQ](#) page.



Note that you will need a Microsoft Live account to create a DreamSpark account. You can sign up for one on the Live website that you get linked to if you don't already have an account there. If you already have a Live account, just log in.



Sign in

Microsoft account [What's this?](#)

☐ Keep me signed in

Sign in

[Can't access your account?](#)

[Sign in with a single-use code](#)

Don't have a Microsoft account? [Sign up now](#)

Fill in the required information in the sign up page. You must use your cougars email address. Click on “continue to verify” to move on.

Enter Your Account Information

*Required Fields

First Name*

John

Last Name*

Doe

Date of Birth*

January

▼

1992

▼

Su	Mo	Tu	We	Th	Fr	Sa
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

E-mail Address*

jdoe1@cougars.ccis.edu

Re-type E-mail Address*

jdoe1@cougars.ccis.edu

Preferred Language

English

▼

Country/Region*

United States

▼

Password*

●●●●●●●●●●●●●●●●

?

Re-type Your Password*

●●●●●●●●●●●●●●●●

☐ Yes; I'd like to receive email newsletters, offers, updates and other promotions from Microsoft.

☐ Yes, I am interested in starting my own company in the future and receiving information about **BizSpark** special offers for startups.

continue to verify

➔

In the next screen, click “I have a school email account” then enter your college email. Make sure you provide your “yourusername@cougars.ccis.edu” e-mail address. Click “Verify” to continue.

Take advantage of your academic status

For academic status verification ‘school’ is defined to include ‘schools, universities, colleges, technical/STEM schools, and other academic schools’ throughout the verification process.

To get started, please choose a verification method:

I have a school email account	I have a school email account Enter your email below to receive a verification link.
I have a school account	School email address <input type="text" value="jdoe1@cougars.ccis.edu"/>
I have an International Student Identity Card	Reenter school email address <input type="text" value="jdoe1@cougars.ccis.edu"/>
I was issued a verification code	<input type="button" value="Verify"/>
I can supply documentation	

You should receive a confirmation message like this one:

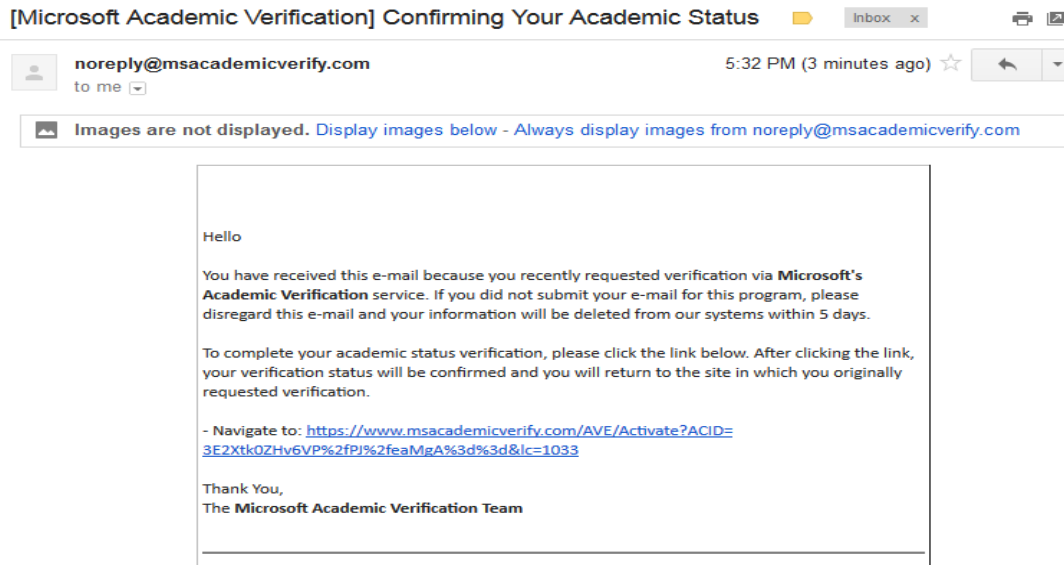
Microsoft DreamSpark

Change Language:

[Home](#) [FAQs](#) [Support](#)

An activation e-mail has been mailed to you. Please follow the instructions in the e-mail to get your account verified. If you don't receive anything in the next 24 hours, please check your e-mail junk filter prior to contacting support.

You will then receive an activation email from DreamSpark with a link that you will need to click in order to activate.



You should see a confirmation page like this one:

Take advantage of your academic status

For academic status verification 'school' is defined to include 'schools, universities, colleges, technical/STEM schools, and other academic schools' throughout the verification process.

To get started, please choose a verification method:

I have a school email account

I have a school account

I have an International Student Identity Card

I was issued a verification code

I can supply documentation

Congratulations!

Your academic status has been successfully verified.

Continue

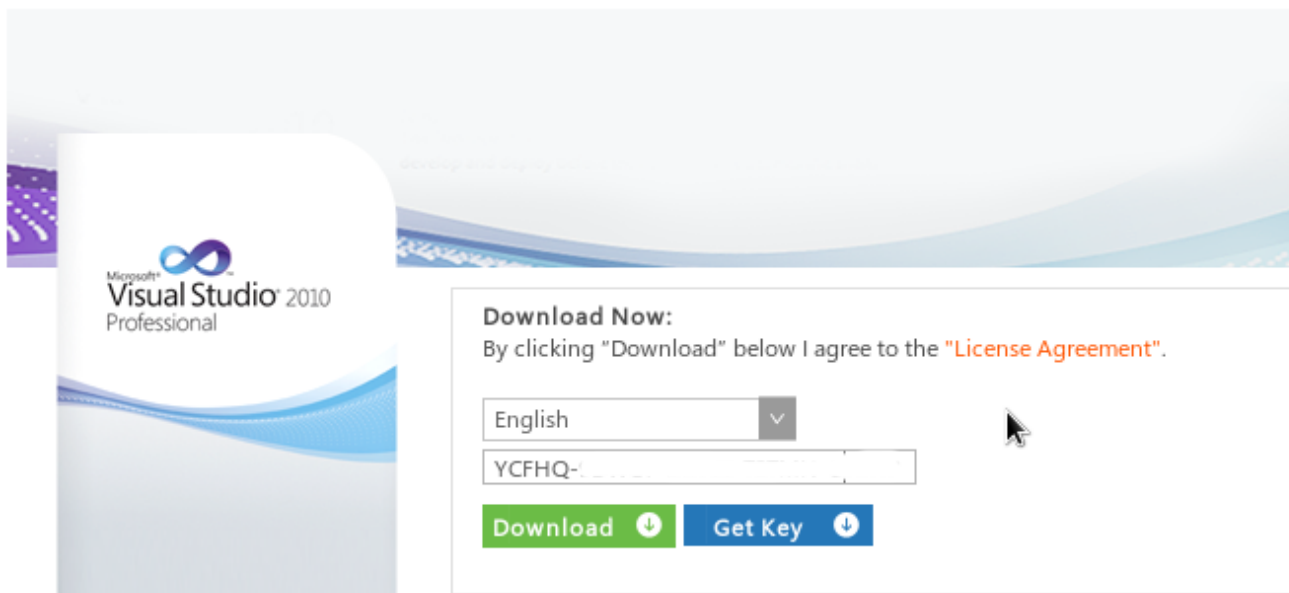
Click on "continue". It should take you to the Microsoft Visual Studio 2010 Professional download

page that you were at a bit earlier.

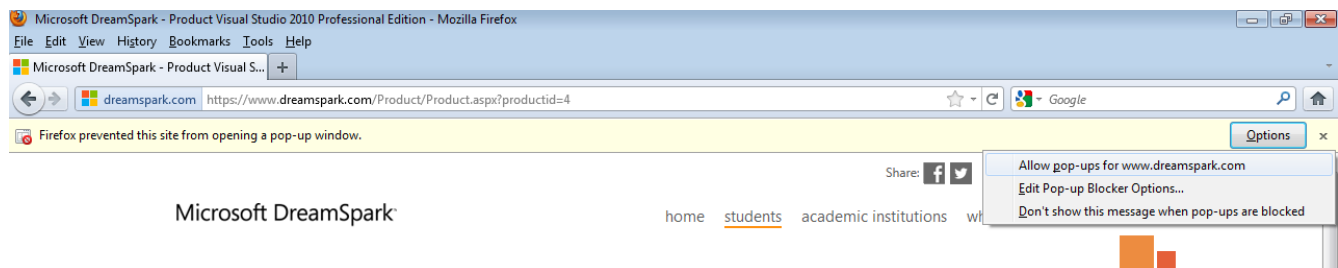
Alternatively, you can also go to the DreamSpark home page (<http://www.DreamSpark.com>). You should be signed in. Sign in if you aren't. Find the Visual Studio 2010 from the products and click to go its page or just go to <https://www.DreamSpark.com/Product/Product.aspx?productid=4>.

Choose the language you prefer and click “Download” in the download page. You should also generate the key by clicking on the “Get Key” button. Email the key to yourself for future reference.

Visual Studio 2010 Professional Edition










This will open a pop-up. You will need to let that pop-up open. Most modern browsers notify you that a pop-up was blocked and you can choose to open the pop-up from that notification. The notification differs for different browsers but it should look like this:



The pop-up looks like this:

Get Your Software in 4 Easy Steps

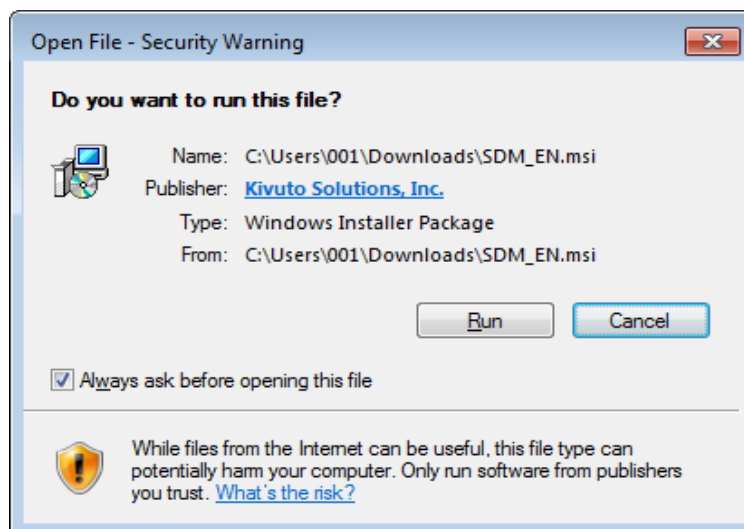
1. **Download the Secure Download Manager (SDM)** installation file 
If you have completed this step previously, go to step 3.
Download SDM 
2. Locate the file from step 1 and run it to **install the SDM** 
3. **Download the .SDX file** for your order 
Download .SDX 
4. When the SDM launches, **start downloading your software.** 
If the SDM application does not launch automatically, locate the file from step 3 and open it to download your software.



Click on “Download SDM”. It will download a MSI package. Open that.



Run the package accepting any security warnings.



It will take you to the installation for the Secure Download Manager that DreamSpark uses.



Install the Secure Download Manager by following through with the next few series of dialogue boxes.

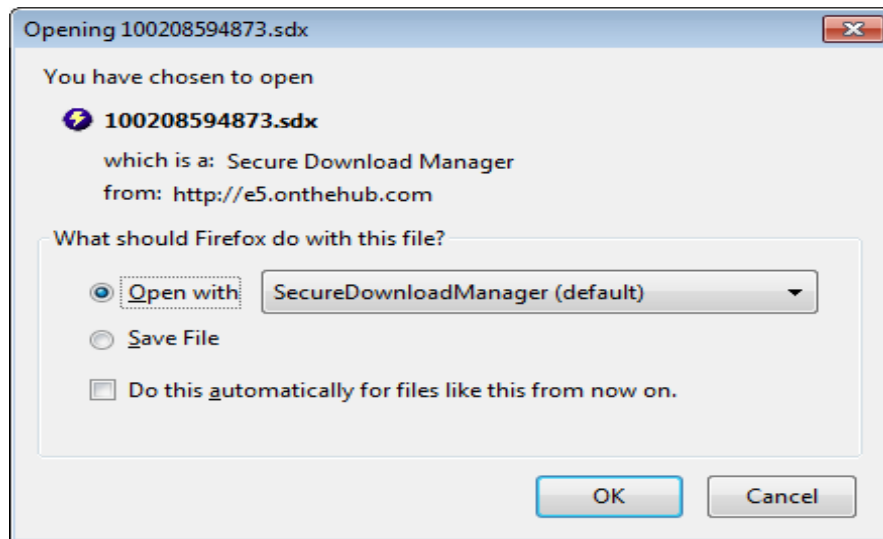
Once you're done installing that, go back to the pop-up from the DreamSpark download page. Choose to download the .SDX file this time. That's step 3 in the instructions provided by the pop-up.

Get Your Software in 4 Easy Steps

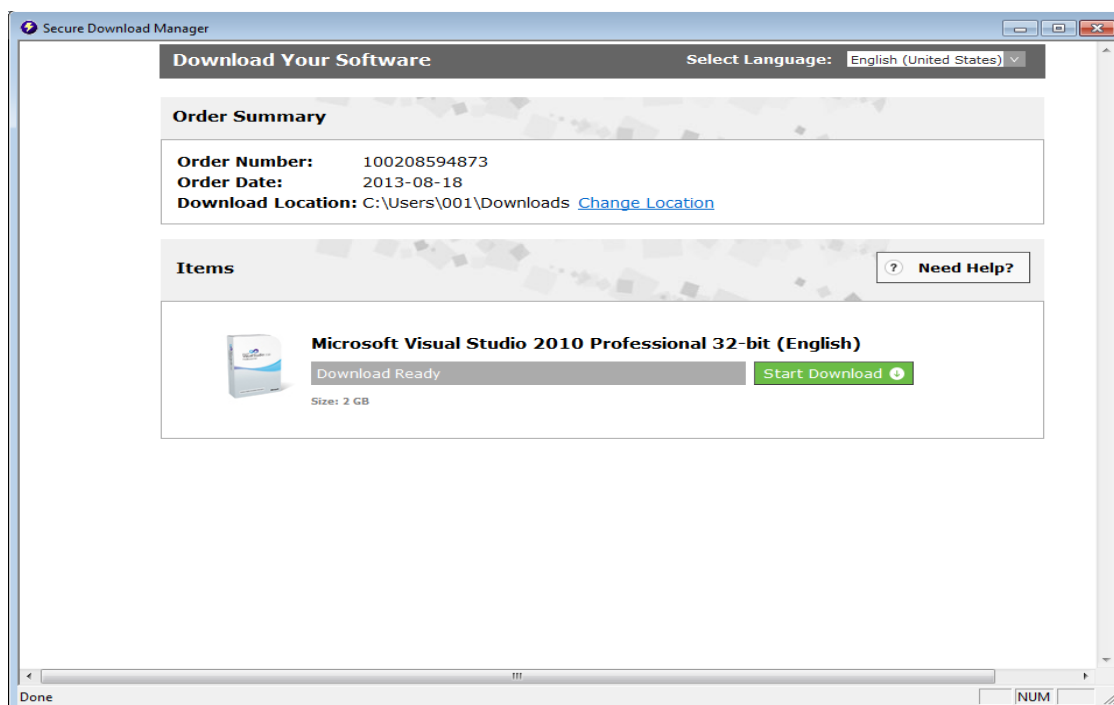
- 1. Download the Secure Download Manager (SDM) installation file ?**
If you have completed this step previously, go to step 3.
[Download SDM](#)
- 2. Locate the file from step 1 and run it to install the SDM ?**
- 3. Download the .SDX file for your order ?**
[Download .SDX](#)
- 4. When the SDM launches, start downloading your software. ?**
If the SDM application does not launch automatically, locate the file from step 3 and open it to download your software.

Three software boxes are shown. The first is "Visual Studio 2010 Professional" with a blue and white design. The second is "Expression Studio 4" with a yellow and orange design. The third is "Visual Studio LightSwitch 2010" with a blue and white design.

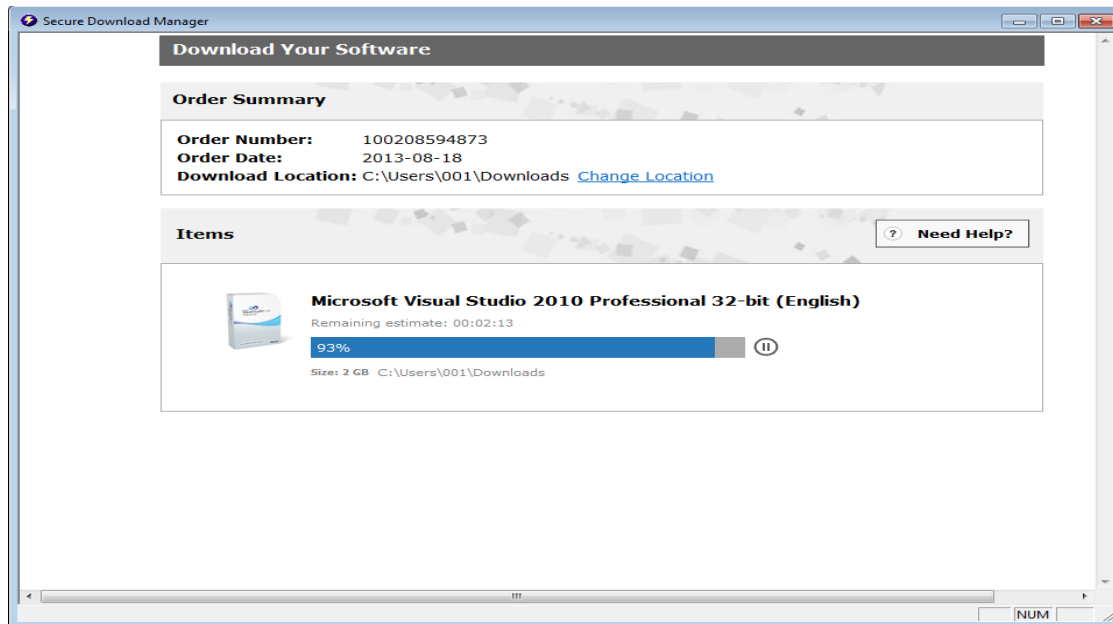
Next, open that .sdx file.



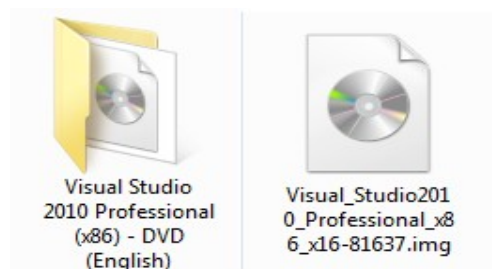
Secure Download Manager should start up and you should see something like this:



Choose the location that you want to download the file to then click on “Start Download.” I have noticed that it starts the download really slowly so don't panic if it doesn't start immediately. Resume is supported so you don't worry about having to download all of 2 GB in one sitting. You can just reopen the .sdx file in order to resume. The resume option should also be available when you rerun the “Secure Download Manager”.



Once you are done downloading, you should see an ISO file at the location you saved the download.



Next, you will need to mount the ISO file and run the Visual Studio 2010 installation from the mounted disk. Refer to the “Mounting the ISO file” section of this tutorial.

Getting Daemon Tools

Important note: If you already have daemon tools or some other software (like alcohol 120%) to mount ISO files, skip this step.

To get Daemon Tools, either Google it and download then install a version or go to <http://www.daemon-tools.cc/eng/downloads> and download the Lite version for free.



An advanced application for Microsoft Windows which provides one of the best optical media emulation in the industry. DAEMON Tools enables you to convert your physical CD/DVD discs into "virtual discs" so called "images". It also emulated up to 4 virtual CD/DVD drives, so you can mount (insert) and unmount (eject) images.

Are you going to use DAEMON Tools Lite at home personally and not for commercial purposes? If "Yes" then press on "Download" and get it for Free! [Learn more](#)



You should get a page that looks like this. Click on download again.

DAEMON Tools Lite v4.49.1 (with SPTD 1.86)

Do you need just to create or mount image file of popular format? DAEMON Tools Lite is exactly what you need. Free for home and non-commercial use, this software solution will provide you with the basic functions for operating with virtual devices.

Using DAEMON Tools Lite you can create up to 4 virtual devices. Your system will recognize them like physical one, but your work will become much faster.

DAEMON Tools forum: forum.daemon-tools.cc

What's new:

- SPTD 1.86.

Bugs fixed:

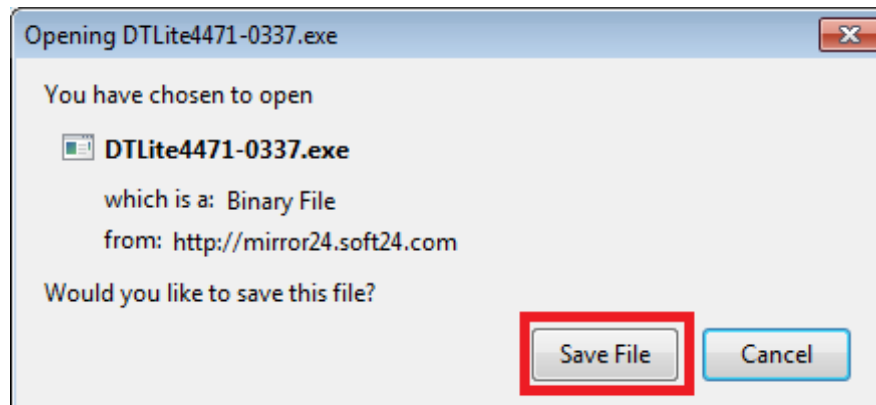
- BSOD in DT adapter with Verifier;
- Minor fixes.

Note: Disc-Tools.com is an authorized publisher of DAEMON Tools software. Any unauthorized distribution of our software is strictly prohibited. If you would like to distribute DAEMON Tools software, including publishing on your site, please fill in [Publisher application form](#) with your full name, specific website URL(s), and point of contact. We will respond as soon as possible. Thank you.

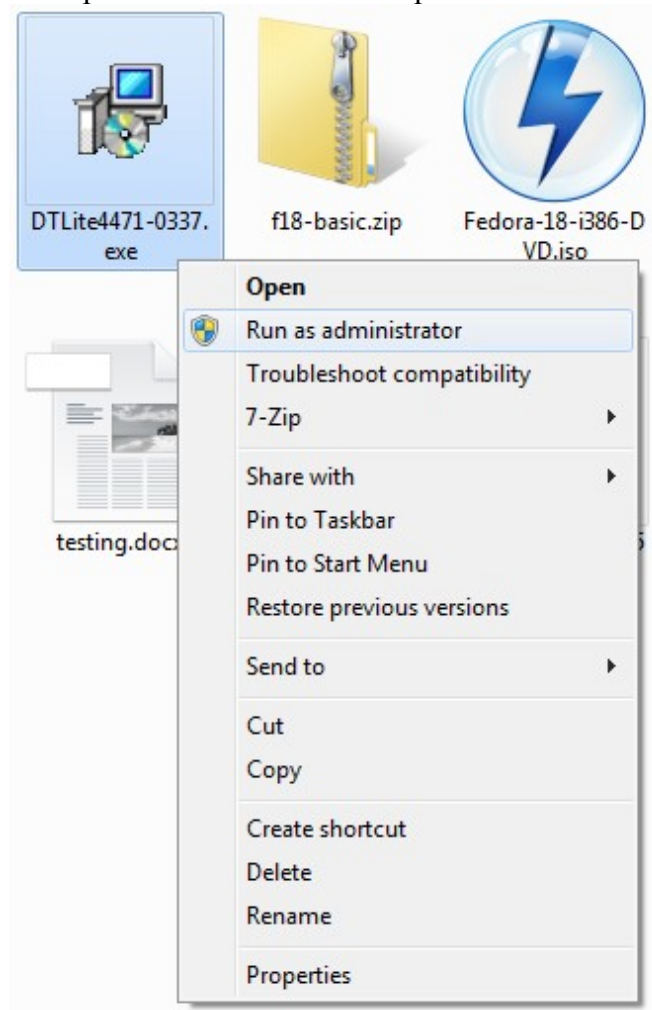
Downloads:	7,011,090
File Name:	DTLite4491-0356.exe
Size:	13,429,504 bytes
Date:	March 13, 2014
OS:	Windows XP/Vista/7/8/8.1
MD5:	0fa6cd1de96bde0431c1c91904f6d040

[Download](#)

You will get a dialogue box asking you to save the file. Choose to do so.



Next, go to the folder you downloaded the file onto. Right click the file and run the file as an administrator. You will need to provide the administrator password.



You should see the following dialog box after the setup checks your system.



Install the software by going through the setup. If you don't already have SPTD installed on your computer, choose to include that in the installation as well. It will install the software then ask for a reboot. Choose to do so.

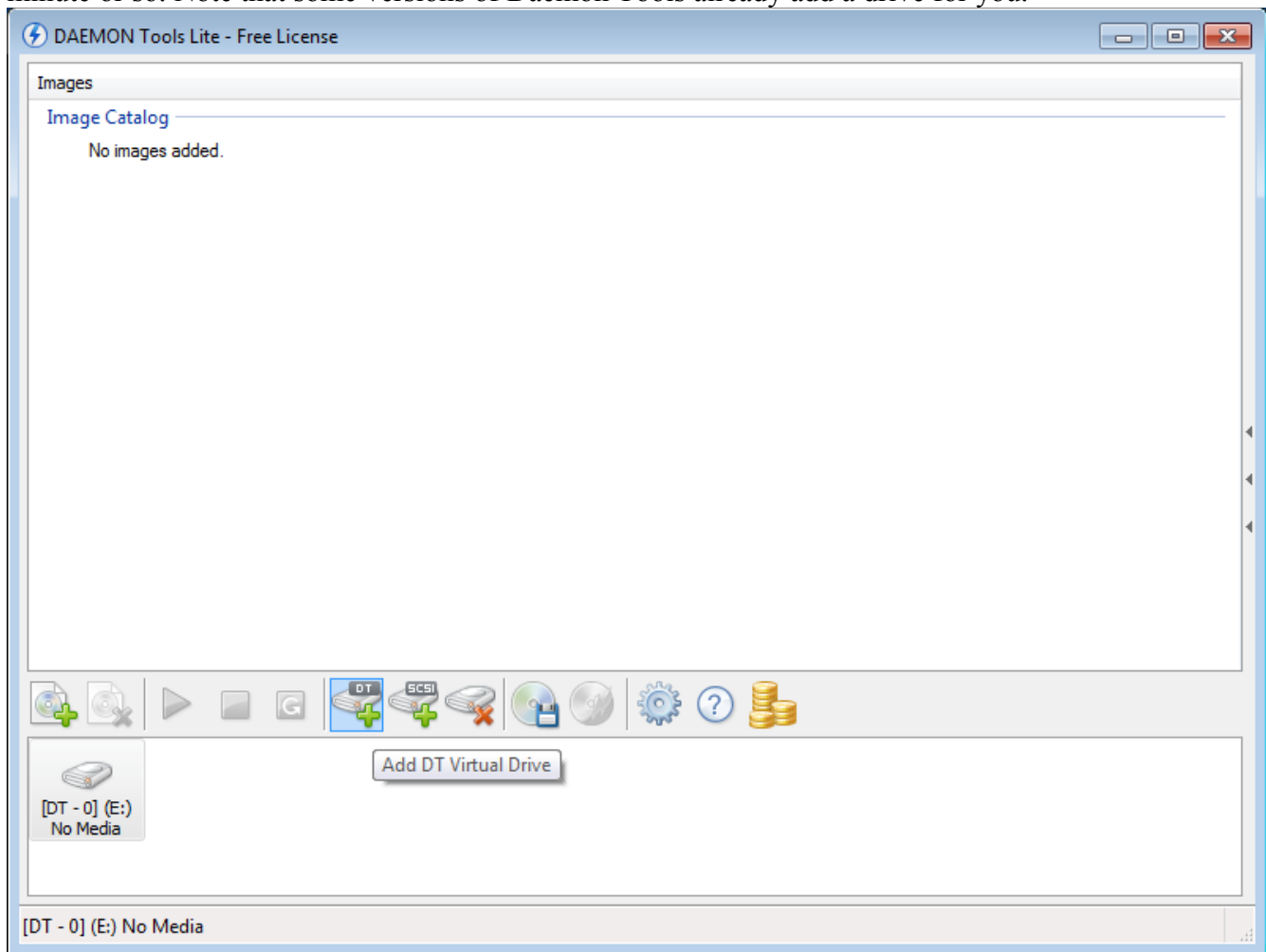
BEWARE that like nearly every other installer nowadays, the installer may ask you install extra software that isn't needed during the setup. You don't need to install anything but Daemon Tools and SPTD. Say no to any other offers.

Mounting the ISO file

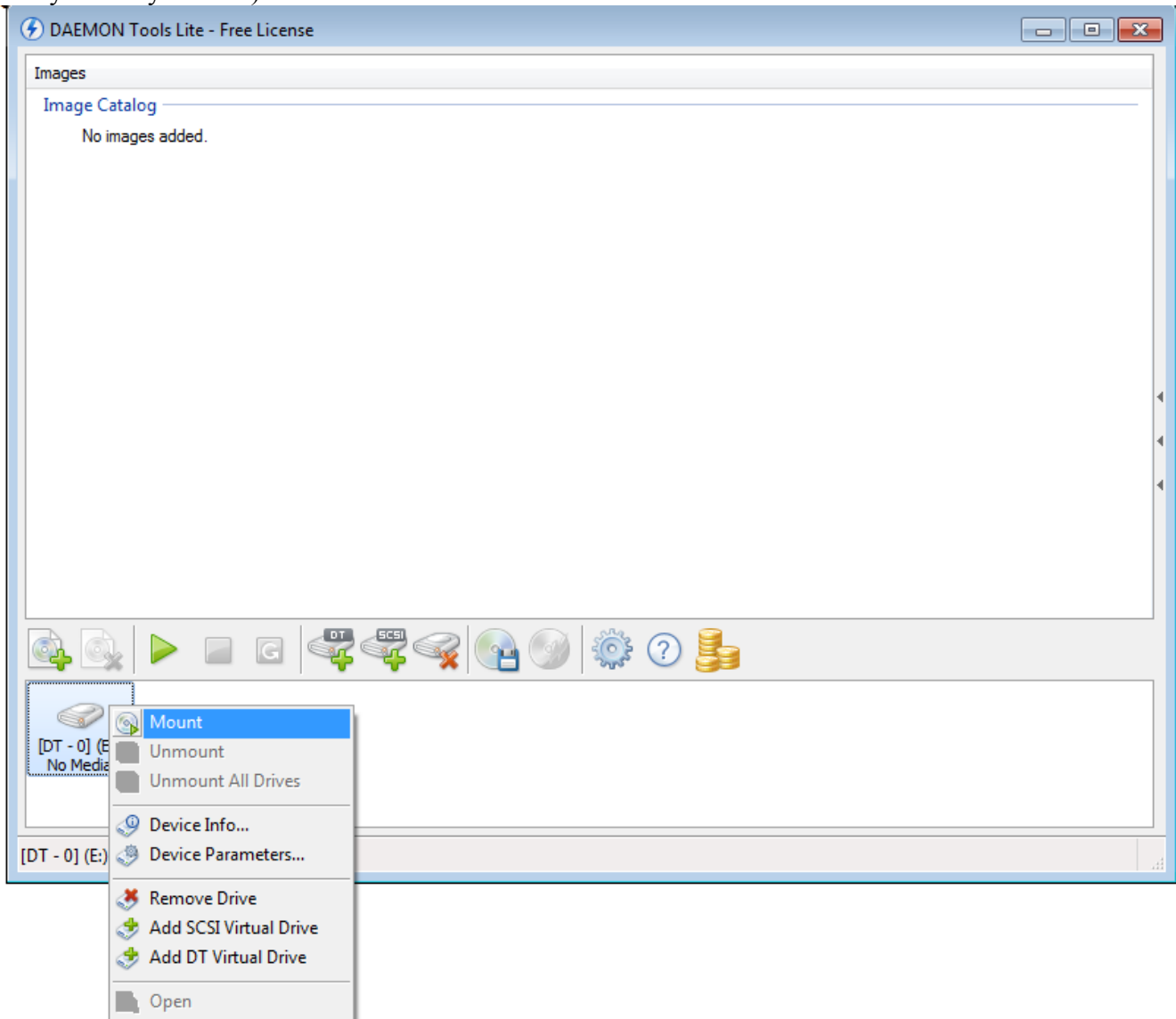
Once you have successfully installed Daemon Tools and downloaded the “Visual_Studio2010_Professional_x86_x16-81637.img” file, run Daemon Tools Lite. You can double-click the icon in the Desktop or run it from the Start menu.



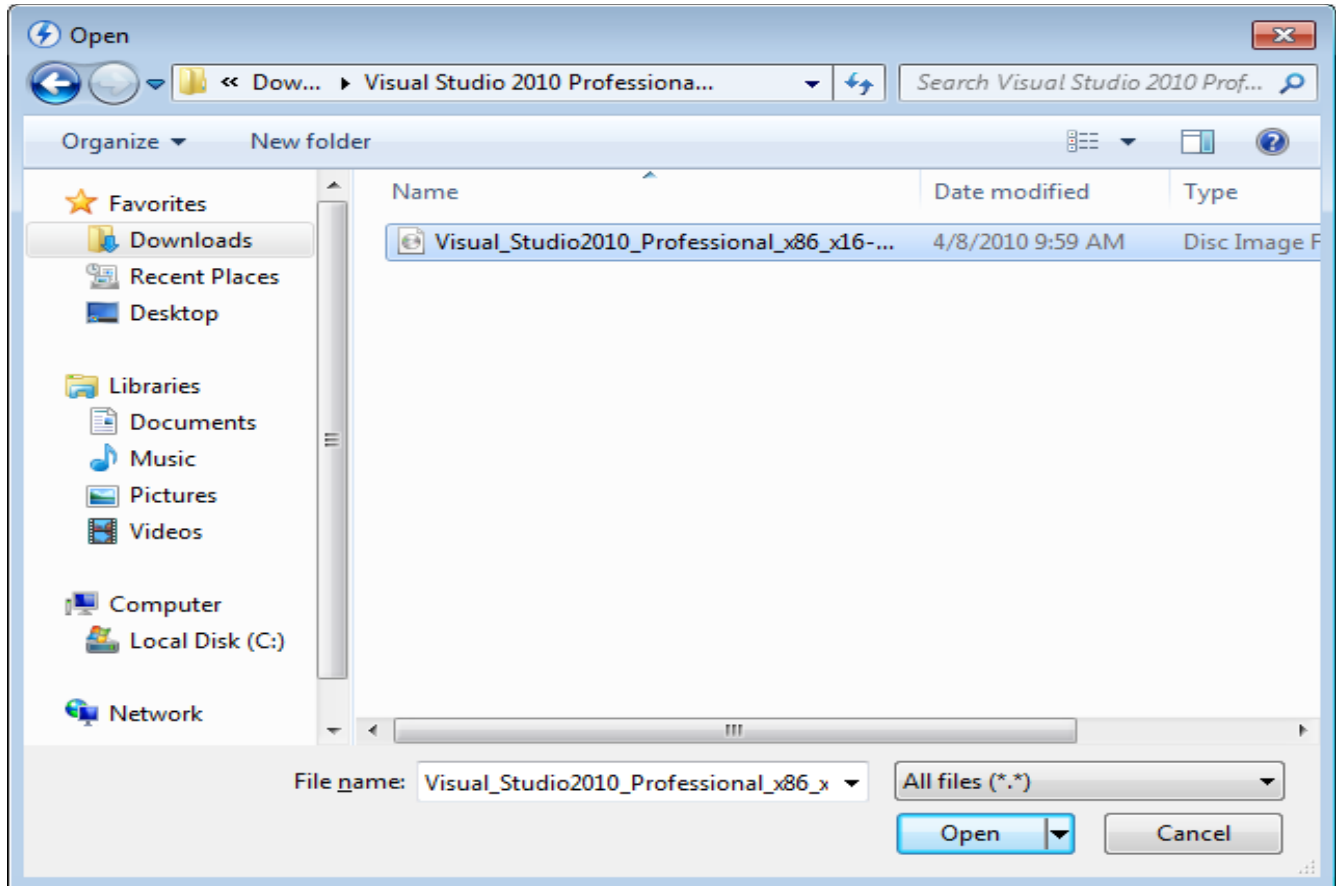
If it's your first run, you'll need to add a drive. Click on the “DT +” icon to do so. It will add one in a minute or so. Note that some versions of Daemon Tools already add a drive for you.



Right click the Device with No media mounted that is listed (The letter can differ depending on how many drives you have) then click on mount.



You should get a file browser. Locate the “Visual_Studio2010_Professional_x86_x16-81637.img” file and then click on open. You will have to switch the locator to “All files” in order to see the file.

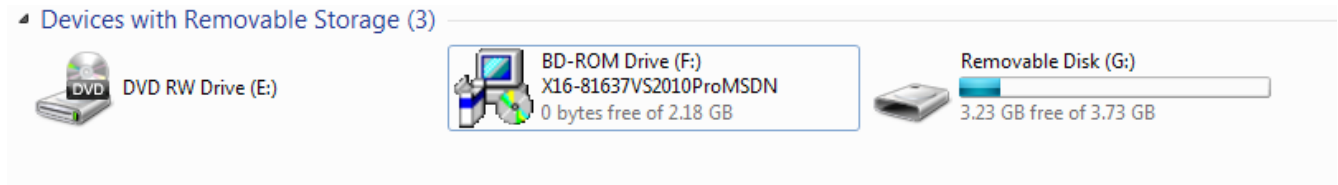


Note that the name of the file may differ for you. But as long as it's a file with the extension “.iso” or “.img” that you downloaded earlier from DreamSpark website, you are good.

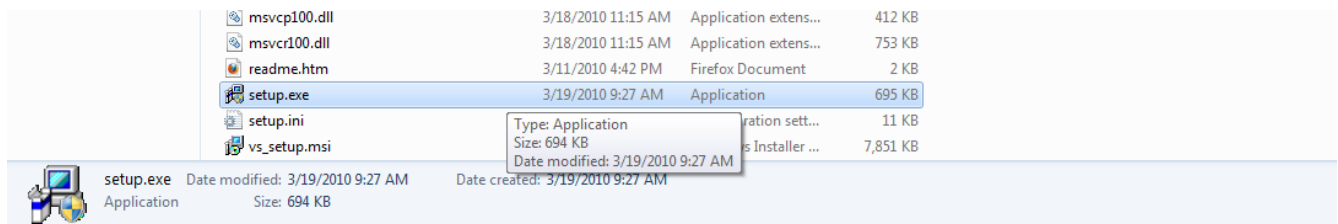
Move on to installing Visual Studio 2010 itself.

INSTALLING VISUAL STUDIO 2010

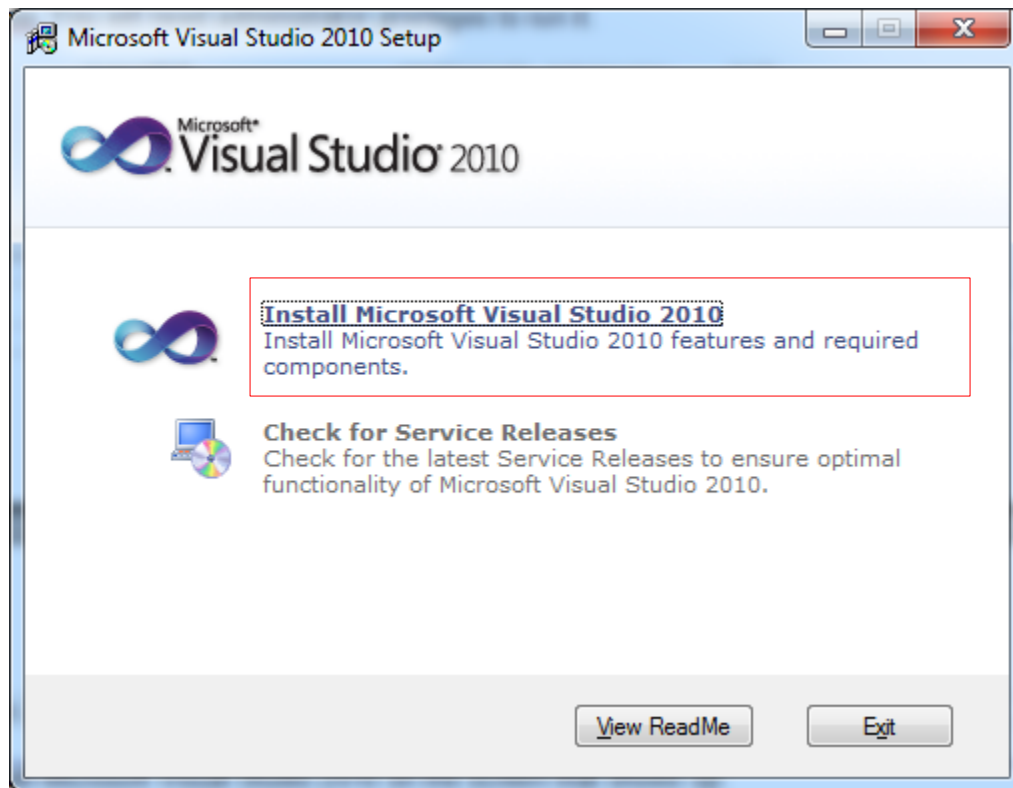
Now load your Computer and go to the drive that just got mounted. Or, if you received a DVD, locate it. Then open it.



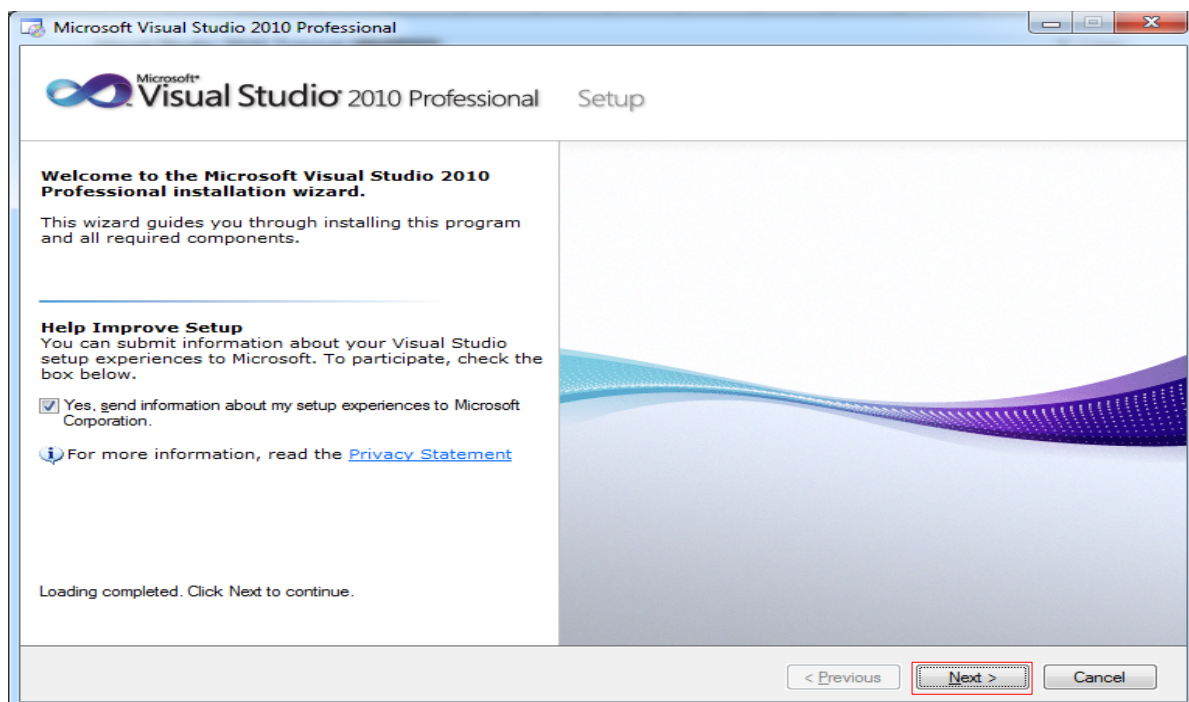
Run setup.exe. You will need administrator privileges to run it.



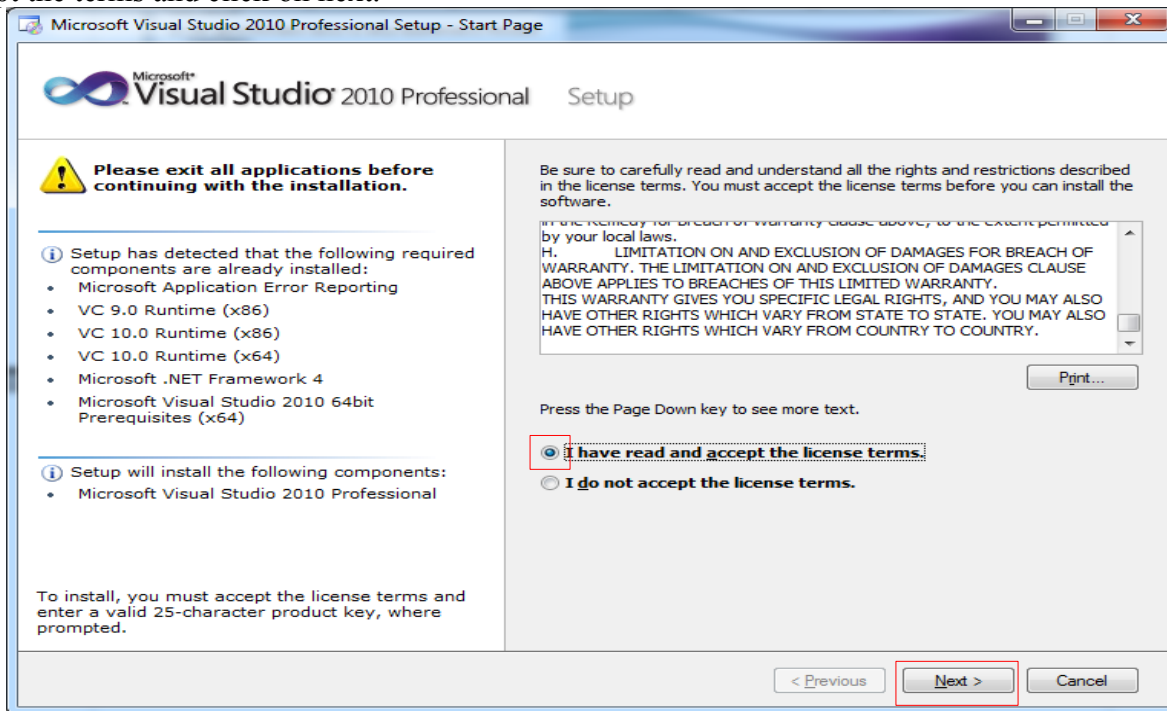
Click on install Microsoft Visual Studio 2010 on the screen that shows up.



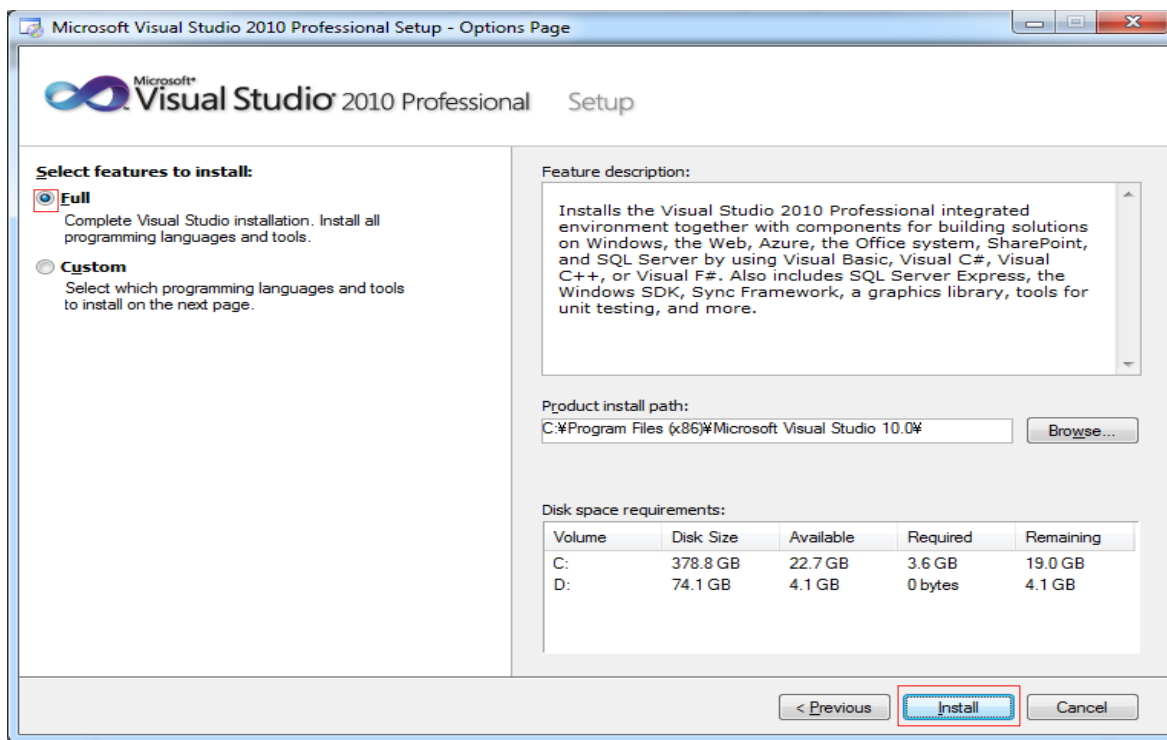
Wait while it loads up then click on next.



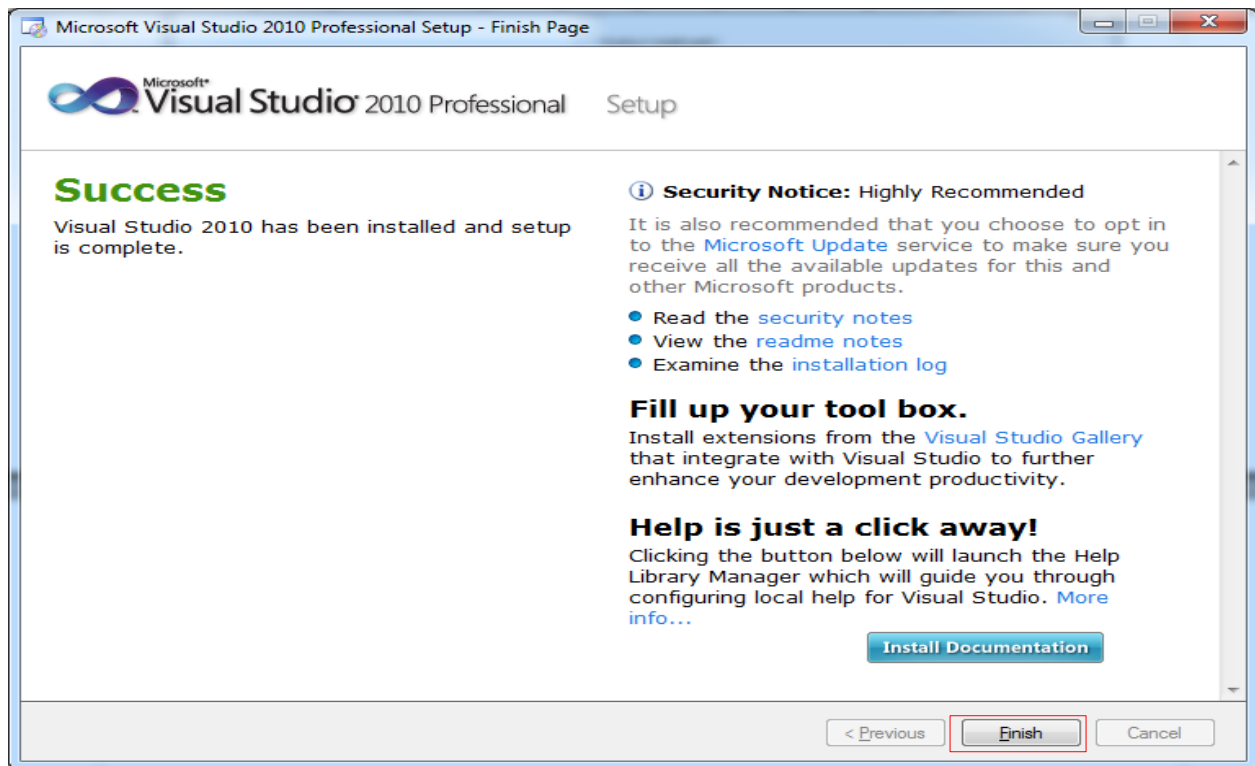
Accept the terms and click on next.



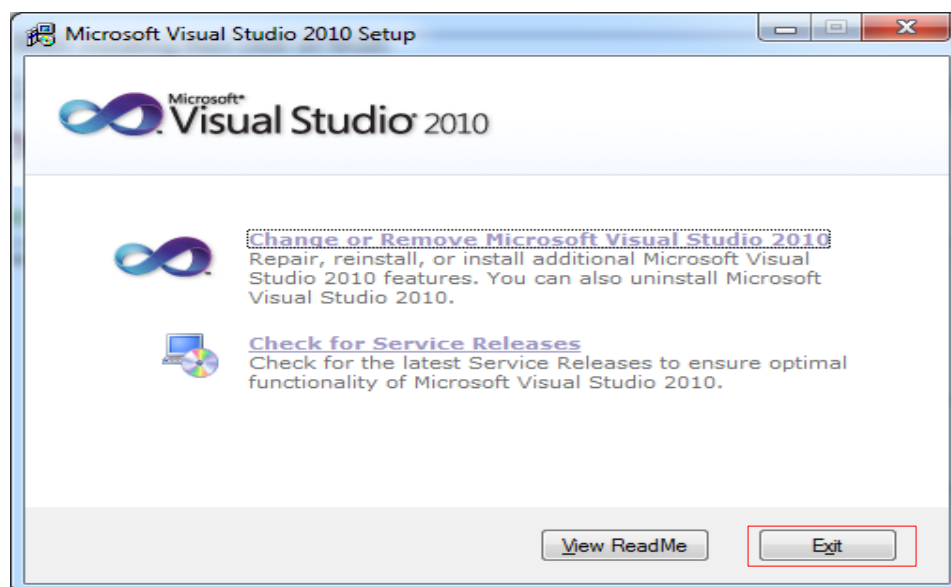
Choose Full and click on Install. You can change the install location if you want.



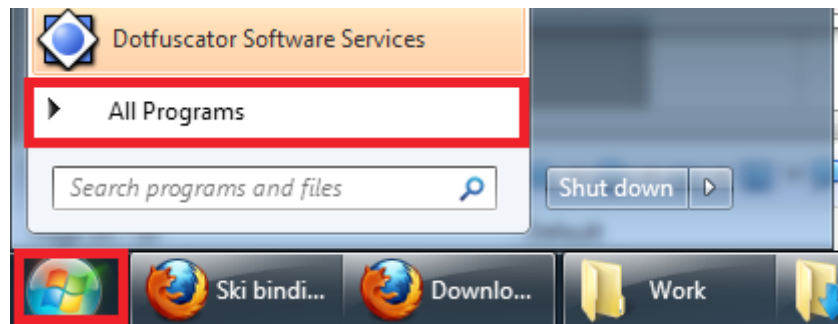
Wait for it to finish installing then click on finish.



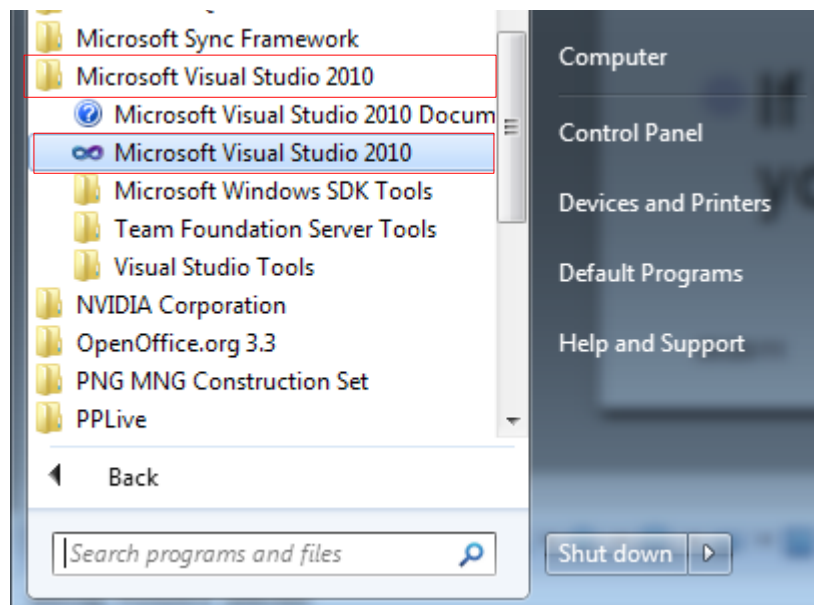
It will load the setup GUI again, you can exit out of it.



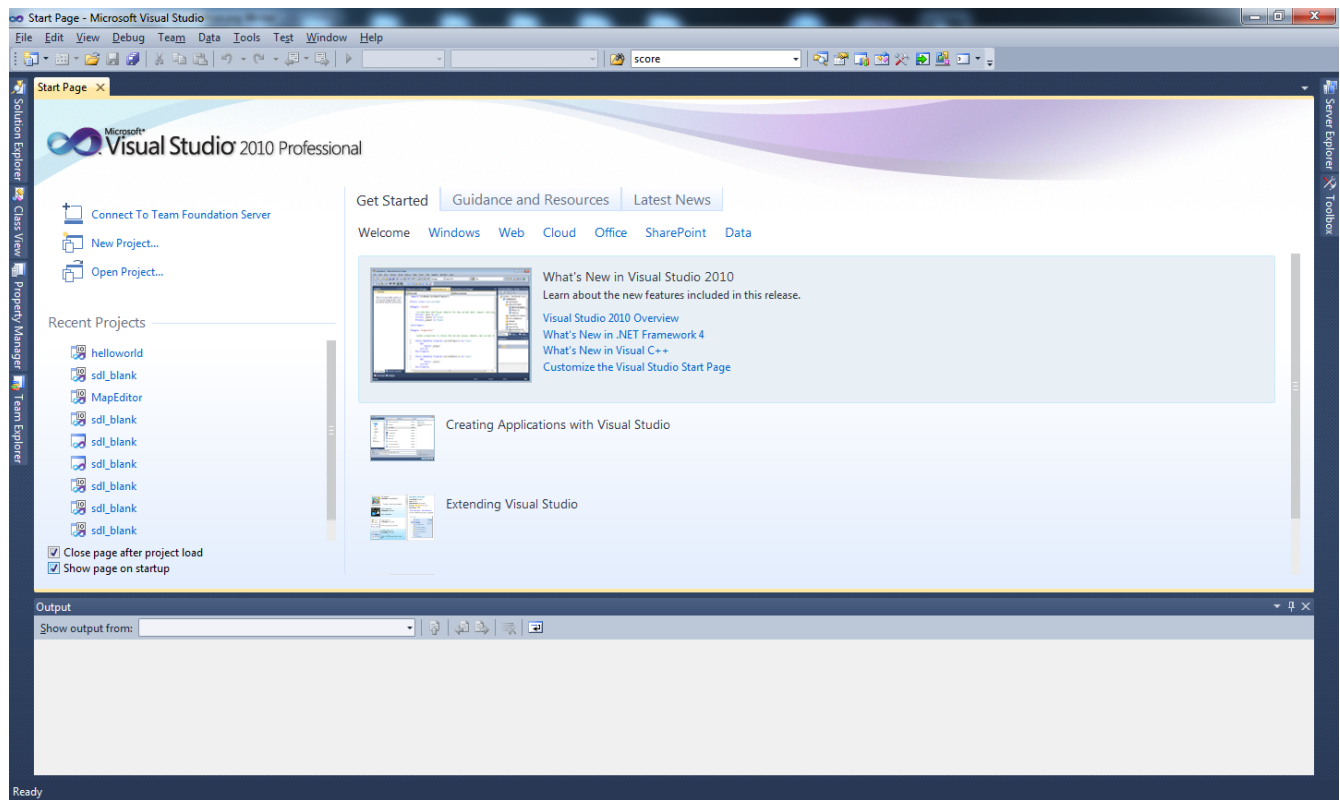
To load Visual Studio 2010, click on start button then All Programs.



Then select Microsoft Visual Studio 2010 and click on Microsoft Visual Studio 2010.



You should see the following Screen.



Congratulations! That's all for Visual Studio 2010 Installation. Read up on how to use Visual Studio 2010 through Google. There is also a tutorial to teach you the very basics that you will be given in class.