


How to install Visual C on your home computer

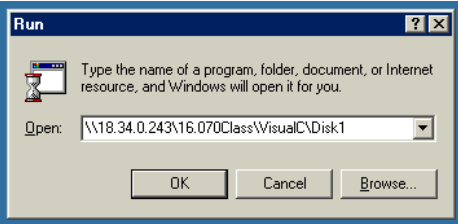

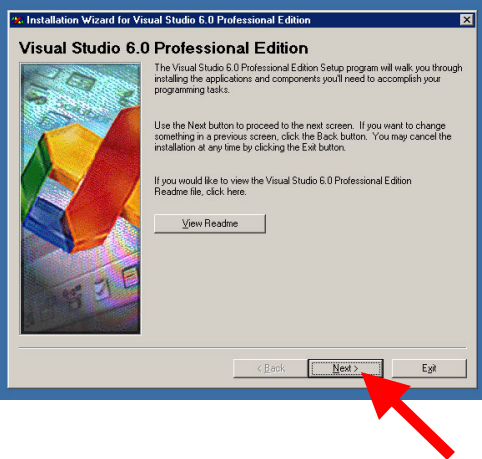
MIT has a site license for Visual Studio 6.0 and consequently, the students in 16.070 may install Visual Studio off of the MIT network and onto their personal computers.

For this class, Visual Studio 6.0 (of which Visual C is a component) may be found on the server "Aero-Astro". The IP address of that server is "18.34.0.243".

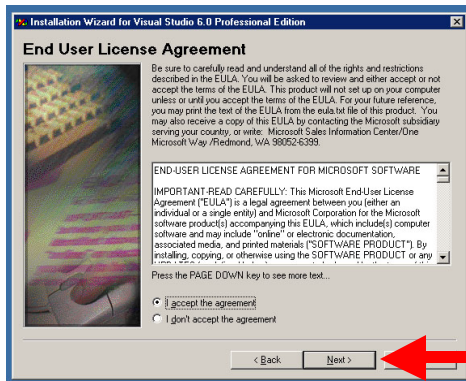
Visual Studio 6.0 is a set of *very* large programs. Fortunately, you will not need to install the programs completely. All you will need are the parts of Visual Studio that pertain to Visual C. The directions below will guide you through accessing the file server named "Aero-Astro" and installing Visual C components that will be helpful for completing 16.070 assignments on your home computer.

These instructions should apply to all versions on Windows.

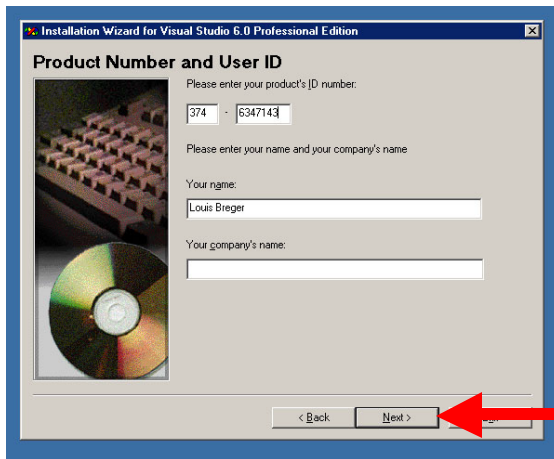
1	<p>In the Start menu, go to Settings Open the Control Panel and click the network icon There should be three tabs on the top. Choose the tab marked "configuration". For the workgroup name, type in: AA-DESIGN You must now restart the computer. Remember to log on with your aero-astro username and password.</p>
2	<p><i>click the "Start" button and select "Run"</i></p>  <p>The image shows a screenshot of the Windows 2000 Professional Start menu. The menu is open, displaying various options. The 'Run...' option is highlighted in blue. The menu items include: Netscape SmartUpdate, Windows Update, Norton SystemWorks, Programs, Documents, Settings, Search, Help, Run..., and Shut Down... The taskbar at the bottom shows the Start button and several application icons, including Eudora.</p>

3	<p>Enter "\\18.34.0.243\16.070Class\VisualC\Disk1" Press "OK"</p> <p><i>Note:</i> <i>If the Aero-Astro server does not work, try this step with the IP address 18.34.0.80.</i></p> <p><i>See the installation notes at the end of this document if you would like to install off of a different server. You may wish to do this if Visual C is installing too slowly in later steps.</i></p> <p><i>Since there are 80 students in this class, we recommend that some people (those who have more advanced Windows skills) use the other servers.</i></p>  A screenshot of the Windows 'Run' dialog box. The title bar reads 'Run'. Below the title bar is a small icon of a computer and a text box containing the path '\\18.34.0.243\16.070Class\VisualC\Disk1'. At the bottom are three buttons: 'OK', 'Cancel', and 'Browse...'. <p>run "setup.exe"</p>  The Visual Studio logo, consisting of four colored squares (red, green, blue, yellow) arranged in a 2x2 grid, and a dashed rectangular icon labeled 'SETUP.EXE' below it.
4	
5	<p>The installation process should begin. Click the "Next" button.</p>  A screenshot of the 'Installation Wizard for Visual Studio 6.0 Professional Edition' window. The title bar reads 'Installation Wizard for Visual Studio 6.0 Professional Edition'. The main area contains the text: 'Visual Studio 6.0 Professional Edition', 'The Visual Studio 6.0 Professional Edition Setup program will walk you through installing the applications and components you'll need to accomplish your programming tasks.', 'Use the Next button to proceed to the next screen. If you want to change something in a previous screen, click the Back button. You may cancel the installation at any time by clicking the Exit button.', and 'If you would like to view the Visual Studio 6.0 Professional Edition Readme file, click here.' Below this text is a 'View Readme' button. At the bottom are three buttons: '< Back', 'Next >', and 'Exit'. A red arrow points to the 'Next >' button. <p>< Back Next > Exit</p>

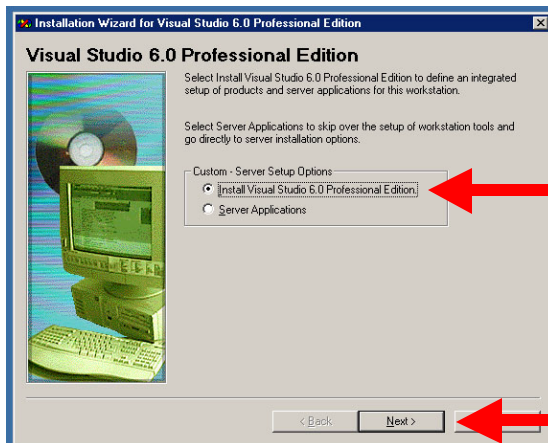
- 6 The end-user license agreement will appear. Click on the “I accept” button and then click “Next”



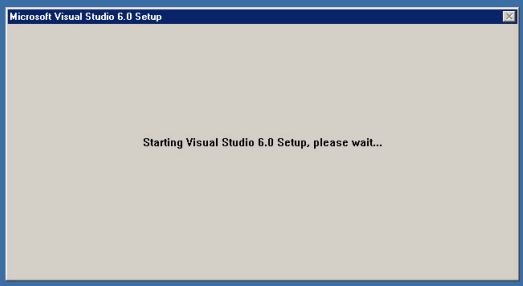
- 7 You will be prompted for your product id number. Enter “374” in the first box and “6347143” in the second box. Type your name into the “Your Name” field. Click “Next”.



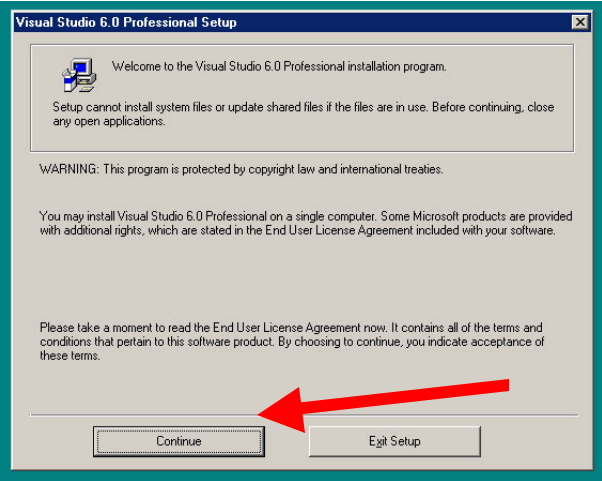
- 8 Next, you will be asked whether you want to install “Visual Studio 6.0 Professional Edition” or “Server Applications”. Choose the first item, “Visual Studio 6.0 Professional Edition”. Click “Next”.



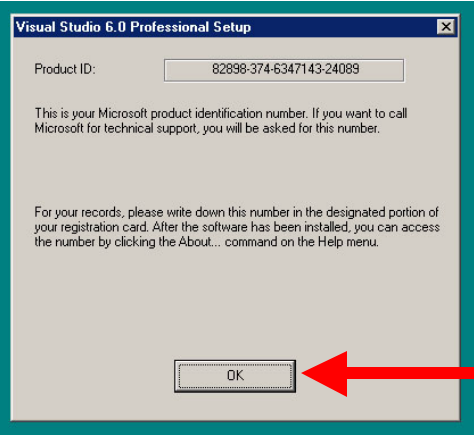
9 *Now you should get a message “Starting Visual Studio 6.0 Setup, please wait...” This may take several minutes.*



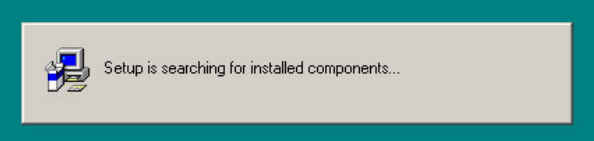
10 *Setup will now recommend that you close any copies of Visual Studio you have running. Chances are, you don't have any copies running. Click “Continue”.*



11 *Now, a screen will inform you of your Product ID. Click “OK”.*



12 *Visual Studio Setup will now search through your machine for any parts of the program that may already be installed. This may take a few minutes.*



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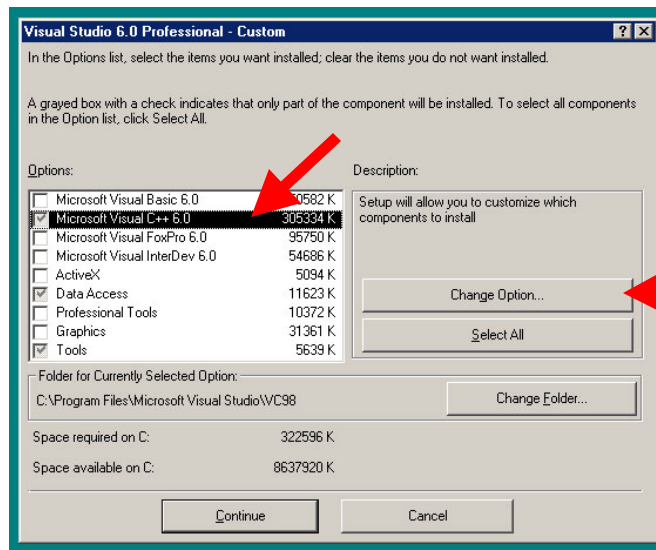
If you do not want to install Visual Studio in the location specified, you will click “Change Folder”. You will want to install Visual Studio on a hard drive that has at least 300 megabytes free.

Click the “Custom” button when you are ready to proceed.



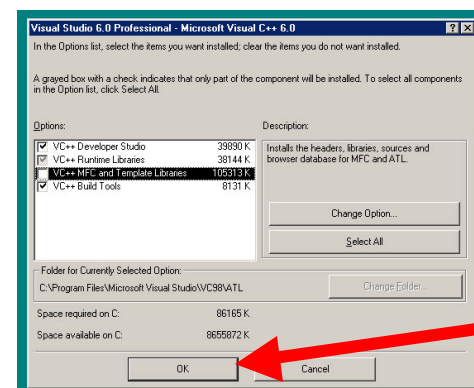
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This is a very important step. If you want to save hard drive space and install time, make sure you install the correct components. You may uncheck Visual Basic, Visual FoxPro, Visual InterDev, ActiveX, Professional Tools, and Graphics. This should leave you with only Visual C++, Data Access, and Tools checked. To make the installation even smaller, you should now click Visual C++ and then click “Change Option”.



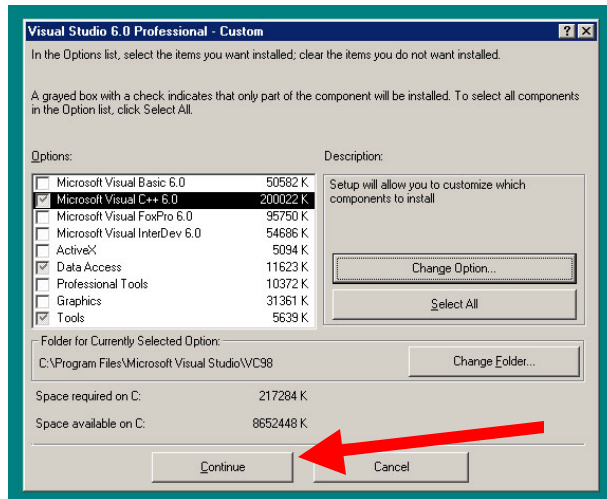
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You should uncheck the “VC++ MFC and Template Libraries” component. Now click “OK”.

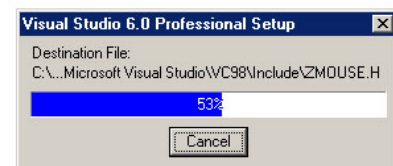


16 Now, back at the main component selection dialog box, your total space required should be about 217 megabytes. If your total space required exceeds the space available on your hard drive, I recommend you quit the installation and find a way to free up more space.

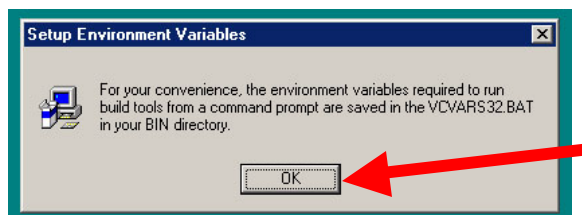
Otherwise, click "Continue".



17 Visual Studio will now check for available hard drive space and then install.



18 Click "OK" at the next prompt.



19 You should now get a message indicating that Visual Studio 6.0 Professional Setup was completed successfully. Click "OK". You are now finished installing.

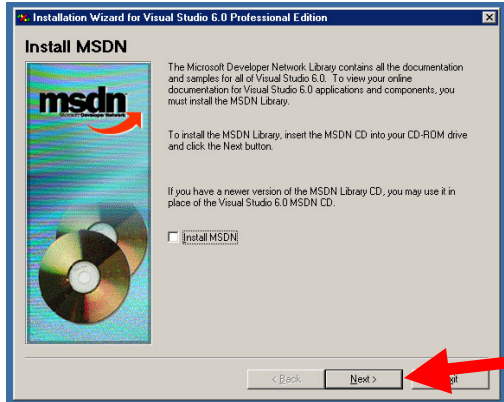


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Next, you will be asked if you want to install the “MSDN Library”. You do not want to install this library now.

The MSDN library is available for separate installation in another directory on the Aero-Astro server as seen in step 4. Also, should you wish to access the MSDN library without installing it on your hard drive (it is fairly large), you can view it online at: <http://msdn.microsoft.com/library/default.asp?URL=/library/welcome/dsmsdn/msdn1.htm>

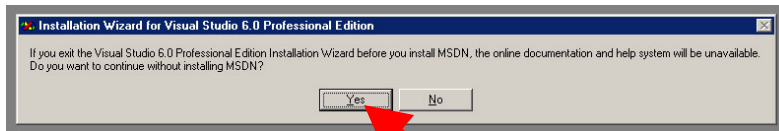
Uncheck the “Install MSDN” box and click “Next”.



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You will now be asked if you are sure you don't want to install MSDN. The answer is “Yes”. I recommend that you install it onto your hard drive off of the server at a later time, but it is not required. Trying to install MSDN at this prompt will NOT work, because you are not installing off of a CD locally.

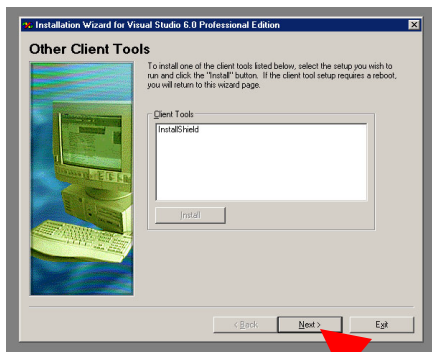
Click “Yes”.

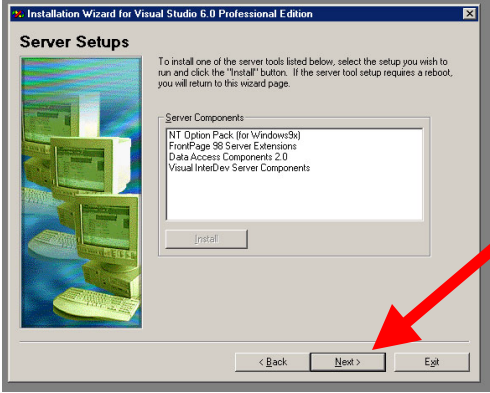
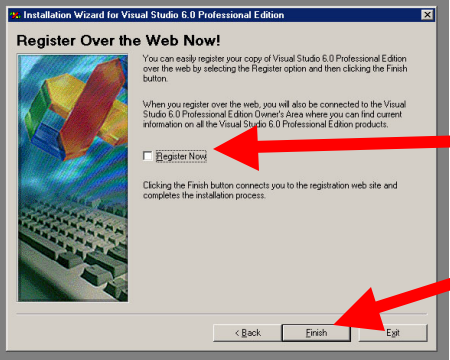


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Next, you will be asked if you want to install the “Install Shield” Client Tool. This is unnecessary for 16.070. Do not select the component.

Click “Next”.



23	<p>Next, you will be asked if you want to install server setups. This is also unnecessary for 16.070. Do not select the components.</p> <p>Click "Next".</p> 
24	<p>Now, you will be asked if you want to register your copy of Visual Studio with Microsoft. Since you have a site license install, this is unnecessary.</p> <p>Uncheck the "Register Now" box.</p> <p>Click the "Finish" button.</p> 
25	<p>Congratulations, you've finished the installation!!</p>

Here are some additional notes on the installation process:

- There should now be a group in your Windows Start Menu called “Microsoft Visual Studio 6.0” with an icon under that group called “Microsoft Visual C++ 6.0”.
- Actually using Visual C will be the topic of your first Recitation Lecture and your first Lab Tutorial Session.
- If you quit the installation because it was too slow, you may want to try a server other than 18.34.0.243. Visual C has been placed on two other servers: CDIO-Prime (18.34.0.80) and AALAB34 (18.34.0.172).

To use these servers, just type in one of their IP addresses instead of 18.34.0.243 at step 3 of the installation process.

There is one small complication: to use CDIO-Prime or AALAB34 from a Windows 98 or Windows ME computer, you will need to be logged in to Windows as your Athena username with your Aero-Astro Design Lab password. This process is similar to the one described in detail in the homework turn-in help file. To enable your Aero-Astro Design Lab password you must have logged into a machine in building 33 and changed your default password.

In addition, to log into AALAB34, you will need to change your Windows workgroup to AA-DESIGN. This option is only recommended for more advanced users, as there is always a chance that changing network settings could cause unanticipated problems.

If you have any questions, please email Gerry at:
alpha_g1@mit.edu