## 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	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.
2	click the "Start" button and select "Run"

3	Enter "\\18.34.0.243\16.070Class\VisualC\Disk1"
	Press "OK"
	Note: If the Aero-Astro server does not work, try this step with the IP address 18.34.0.80.
	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.
	Since there are 80 students in this class, we recommend that some people (those who have more advanced Windows skills) use the other servers.
	Run       ? X         Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.         Open:       \(\18.34.0.243\\16.070Class\\VisualC\Disk1)         OK       Cancel       Browse
4	run "setup.exe"
	SETUP:EXE)
5	The installation process should begin. Click the "Next" button.
	Installation Visual for Visual Studie 6.0 Professional Edition   Visual Studie 6.0 Professional Edition   Image is a part of the part of th

6 The end-user license agreement will appear. Click on the "I accept" button and then click "Next" X End User License Agreement Be such to carefully read and understand all of the rights and restrictions described in the EULA. You will be asked to review and either accept on the socies the terms of the EULA. The power of the right accept and you may print the test of the EULA trims the value this of this poduct. You may also receive a copy of the EULA be conclearing the Microsoft buildings environg you control, or write. Microsoft Sale Information Eurof. Microsoft Sale Information. With Sale Sci Sale. END-USER LICENSE AGREEMENT FOR MICROSOFT SOFTWARE -NPOPERINT READ CAREFULLY. This Microsoft End User License Ageement (FULA') is a legal generant between you (ofter an individual or a single end) and Microsoft Corporation for the Microsoft rollware and may individual to a single end of the Microsoft contrares and may individual to a single end of the Microsoft individual de single of the Microsoft Control of the Microsoft individual de single control of the Microsoft Control of the Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing, cooping, or otherwise using the SUFTWARE PRODUCT of any Installing the SUFTWARE PRODUCT of any Install Press the PAGE DOWN key to see more text... I accept the agreement
 I don't accept the agreem <Back Next> 7 You will be prompted for you 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". 🐝 Installation Wizard for Visual Studio 6.0 Professional Edition × Product Number and User ID Please enter your product's ID number: 374 · 6347143 Please enter your name and your company's name Your name: Louis Breger Your <u>c</u>ompany's name: <Back 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". 10 Installation Wizard for Visual Studio 6.0 Professional Edition × Visual Studio 6.0 Professional Edition Select Install Visual Studio 6.0 Professional Edition to define an integrated setup of products and server applications for this workstation. Select Server Applications to skip over the setup of workstation tools and go directly to server installation options. Custom - Server Setup Options © Install Visual Studio 6.0 Professional Edition. C Server Applications < Back Next > -

9	Now you should get a message "Starting Visual Studio 6.0 Setup, please wait" This may take several minutes.
	Nicrosoft Visual Studio 6.0 Setup 🛛
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".
	Visual Studio 6.0 Professional Setup
	Welcome to the Visual Studio 6.0 Professional installation program.
	Setup cannot install system files or update shared files if the files are in use. Before continuing, close any open applications.
	WARNING: This program is protected by copyright law and international treaties.
	You may install Visual Studio 6.0 Professional on a single computer. Some Microsoft products are provided with additional rights, which are stated in the End User License Agreement included with your software.
	Please take a moment to read the End User License Agreement now. It contains all of the terms and conditions that pertain to this software product. By choosing to continue, you indicate acceptance of these terms.
	Continue Exit Setup
11	Now, a screen will inform you of your Product ID. Click "OK".
	Visual Studio 6.0 Professional Setup
	Product ID: 82898-374-6347143-24089
	This is your Microsoft product identification number. If you want to call Microsoft for technical support, you will be asked for this number.
	For your records, please write down this number in the designated portion of your registration card. After the software has been installed, you can access the number by clicking the About command on the Help menu.
12	Visual Studio Setup will now search through your machine for any parts of the program
12	that may already be installed. This may take a few minutes.
	Setup is searching for installed components

13	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 lease 300 megabytes free.
	Click the "Custom" button when you are ready to proceed.
	Visual Studio 6.0 Professional Setup       ? X         To start installation, click the large button.       Custom         Custom       Setup will allow you to customize which components to install         Folder:       C:VProgram Files/Microsoft Visual Studio         Egit Setup       Egit Setup
14	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".
	Visual Studio 6.0 Professional - Custom       Image: Custom installed; clear the items you do not want installed.         A grayed box with a check indicates that only part of the component will be installed. To select all components in the Option list, click Select All.       Description:         Options:       Description:         Microsoft Visual Fox Pro 6.0       05582 K Microsoft Visual Fox Pro 6.0         Microsoft Visual Fox Pro 6.0       95750 K Microsoft Visual Fox Pro 6.0         Microsoft Visual Fox Pro 6.0       95750 K Microsoft Visual Fox Pro 6.0         Professional Tools       10372 K Setup will allow you to customize which         Order for Currently Selected Option:       Change Option         Chorgan Files/Microsoft Visual Studio/VC98       Change Eolder         Space required on C:       322596 K         Space required on C:       8637920 K
15	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".
	Visual Studio 6.0 Professional - Custom       ? X         In the Options list, select the items you want installed; clear the items you do not want installed.       A grayed box with a check indicates that only part of the component will be installed. To select all components in the Option list, cleck Select All.         Options:       Description:         Microsoft Visual Basic 6.0       50582 K         Microsoft Visual Crew 6.0       20002k1         Microsoft Visual Forbro 6.0       59590 K         Microsoft Visual Forbro 6.0       59594 K         Options:       Setup will allow you to customize which components to install         Microsoft Visual Forbro 6.0       59594 K         A crew K       5954 K         Professional Tools       1623 K         Graphics       31361 K         Professional Tools       533 K         Space required on C:       217284 K         Space available on C:       8652448 K         Continue       Cancel
17	Visual Studio will now check for available hard drive space and then install.
	Visual Studio 6.0 Professional Setup       Image: Comparison of the second
18	Click "OK" at the next prompt.
	Setup Environment Variables For your convenience, the environment variables required to run build tools from a command prompt are saved in the VCVARS32.BAT in your BIN directory.
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.
	Visual Studio 6.0 Professional Setup         Visual Studio 6.0 Professional Setup was         completed successfully.

20	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: <u>http://msdn.microsoft.com/library/default.asp?URL=/library/welcome/dsmsdn/msdn1.htm</u>
	Uncheck the "Install MSDN" box and click "Next".
	Installation Wizard for Visual Studio 6.0 Professional Edition       Image: Comparison of the MSDN         Install MSDN       The Microsoft Developer Network Likeay contains all the documentation and components, you multimatel the MSDN Likeay, inset the MSDN CD into your CD-RDM drive and the MSDN Likeay. CD, you may use it in a contained the MSDN Likeay CD, you may use it in a contained to the Wizad Studio 6.0 MSDN CD.         Image: The Wicas Like CD MSDN Likeay CD, you may use it in a contained to the Wizad Studio 6.0 MSDN CD.       Image: The Wizad Studio 6.0 MSDN CD.         Image: The Wizad Studio 6.0 MSDN CD.       Image: The Wizad Studio 6.0 MSDN CD.       Image: The Wizad Studio 6.0 MSDN CD.         Image: The Wizad Studio 6.0 MSDN CD.       Image: The Wizad Studio 6.0 MSDN CD.       Image: The Wizad Studio 6.0 MSDN CD.         Image: The Wizad Studio 6.0 MSDN CD.       Image: The Wizad Studio 6.0 MSDN CD.       Image: The Wizad Studio 6.0 MSDN CD.         Image: The Wizad Studio 6.0 MSDN CD.       Image: The Wizad Studio 6.0 MSDN CD.       Image: The Wizad Studio 6.0 MSDN CD.         Image: The Wizad Studio 6.0 MSDN CD.       Image: The Wizad Studio 6.0 MSDN CD.       Image: The Wizad Studio 6.0 MSDN CD.         Image: The Wizad Studio 6.0 MSDN CD.       Image: The Wizad Studio 6.0 MSDN CD.       Image: The Wizad Studio 6.0 MSDN CD.         Image: The Wizad Studio 6.0 MSDN CD.       Image: The Wizad Studio 6.0 MSDN CD.       Image: The Wizad Studio 6.0 MSDN CD.         Image: The Wizad Studio 6.0 MSDN CD.       Image: The Wizad Studio 6.0 MSDN CD.
21	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".
	Installation Wizard for Visual Studio 6.0 Professional Edition     If you exit the Visual Studio 6.0 Professional Edition Installation Wizard before you install MSDN, the online documentation and help system will be unavailable.     Do you want to continue without installing MSDN?     Yes     No
22	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".
	Instalation Wixed for Vixed Studie 6.0 Protectional Editors     Cher Client Tools     Image: State Stat

23	Next, you will be asked if you want to install server setups. This is also unnecessary for 16.070. Do not select the components.
	Click "Next".
	Installation Wizard for Visual Studie 6.0 Professional Edition         Server Setups         Image: Setup Set
24	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.
	Uncheck the "Register Now" box. Click the "Finish" button.
	Installation Vicand for Vicual Studie & O Protessional Edition
25	Congratulations, you've finished the installation!!

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