ArcGIS 10 Student Installation Batch File Pre-Installation Procedures for Windows 7

Removing Previous Versions of ArcGIS

You must first completely remove all previous versions of ArcGIS that might conflict with your installation. This installation package includes a utility called **10UninstallUtility.exe** that will test your system for version conflicts and remove any previous version of ArcGIS. If necessary, you will find the removal utility in the same shared network folder as the installation batch files. Instructions for accessing these files are below.

Supported Operating Systems & Service Packs

Please review the System Requirements documentation at:
http://resources.arcgis.com/content/arcgisdesktop/10.0/arcgis-desktop-system-requirements

Use Windows Update to bring your Operating System up to the required Service Pack Version, if necessary.

Enabling .NET in Windows 7

If you are running Windows 7, you must enable the .NET features that shipped with the OS.

1. Go to Start>Control Panel>Programs
2. Select "Turn Windows Features On or Off."
3. Expand the "Microsoft .NET Framework 3.5.1" Option.
4. Check both of the folders in this option and click OK to close out of the options.
5. Reboot your machine before continuing with your installation.

Accessing and Running the ArcGIS 10 Installation Batch Files

1. Make sure you are on campus. If you try to run this installer and you are off campus, it can take up to 8 hours or more to complete.
2. From "Start" goto "Run" and type in \\130.132.156.234\ArcGIS_10_Student and press enter. (If you don't enter "ArcGIS_10_Student" after \\130.132.156.234 you will not be able to access the installer).
3. When prompted for your username and password enter it as:
    a. Username = "yale\netid" replacing netid with your netid.
    b. Password = Your NetID password
4. Double click on the file called "Install_ArcGIS_10_Student_32bit.bat" or "Install_ArcGIS_10_Student_64bit.bat," depending on the version of your operating system.
5. It's ok to run this batch file. If any warning messages pop up asking if the file should be run, click on "ok" or "yes".
6. There will be several pop up windows that come up during the installation procedure. You may need to click on "Yes" multiple times.
7. Be patient. The installation can take up to 3 hours or so.

ArcGIS 10 Installation Batch File Post-Installation Procedures

At ArcGIS 10, some of the Managed Installation Parameters are not properly implemented. This means that there are a number of Post-Installation steps that must be taken to enable your ArcGIS 10 Software for use. This is particularly important if you are doing an installation on machines that:

- Users will not have Administrative Rights on; or
- You are creating an image to push out to machines that will be "Frozen."

This document provides an overview of the post-installation procedures necessary once you have successfully run the Installation Batch File for ArcGIS 10. These steps provide necessary functionality, as well as a consistent user experience across campus. The steps include:

3 Critical Post-Installation Procedures

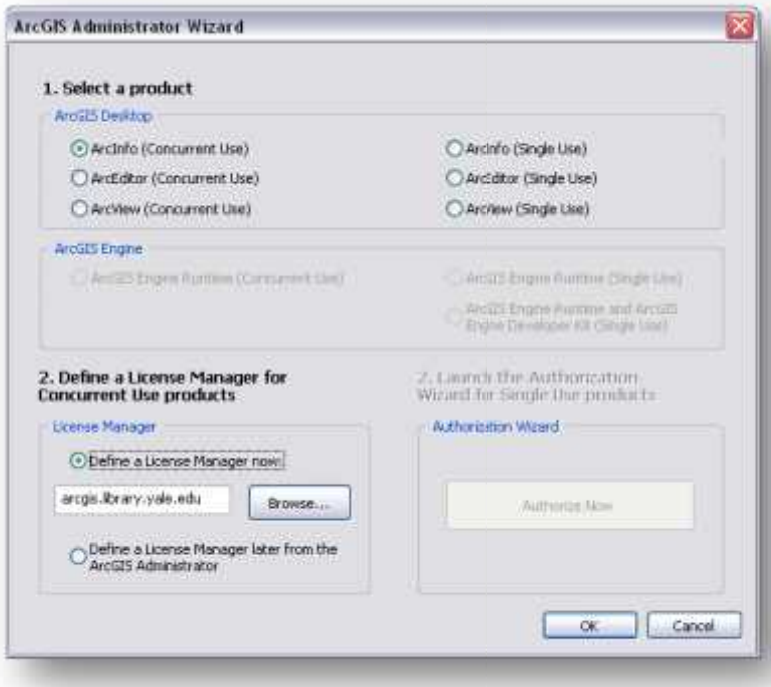
- Selecting the Product Version using ArcGIS Administrator (critical)
- Enabling communication with the ArcGIS 10 License Manager using ArcGIS Administrator (critical)
- Enabling Extensions in ArcGIS Desktop, using the Extensions Manager (critical)

3 Strongly Suggested Post-Installation Procedures

- Setting Relative Paths as the Default Setting for all Map Documents (strongly suggested)
- Preparing the default user interface (strongly suggested)
- Connecting to local drives in ArcCatalog (strongly suggested)

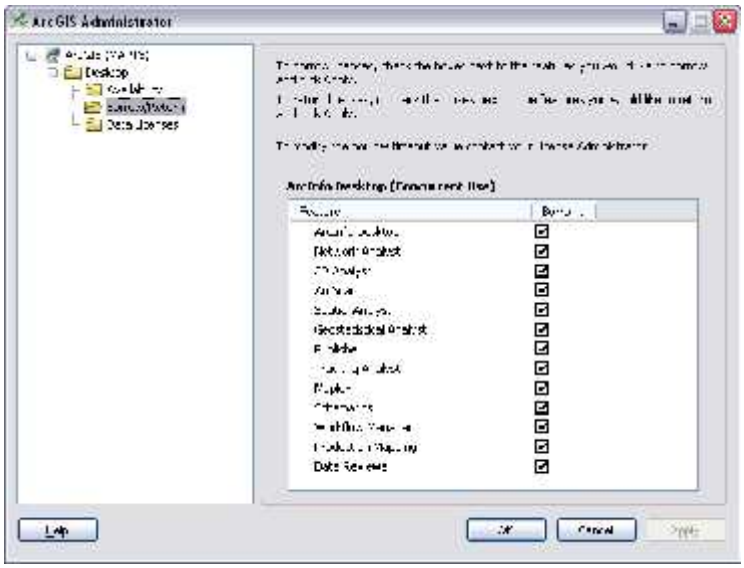
Selecting the Product Version & Enabling communication with the ArcGIS 10 License Manager using ArcGIS Administrator (critical)

1. In Windows, go to Start>All Programs>ArcGIS>**ArcGIS Administrator** to launch the **ArcGIS Administrator Wizard**.
2. Under "**1. Select a product**" check the **ArcInfo (Concurrent Use)** option.
3. The "**2. Define a License Manager...**" panel will become enabled. Check the "Define a License Manager now;" option.



4. The **License Manager** should already be defined as '**studentarc.forestry.yale.edu**'.
5. Click OK to apply the settings.

Borrowing a License from the License Manager to Allow "Roaming" Use, Disconnected from the License Server

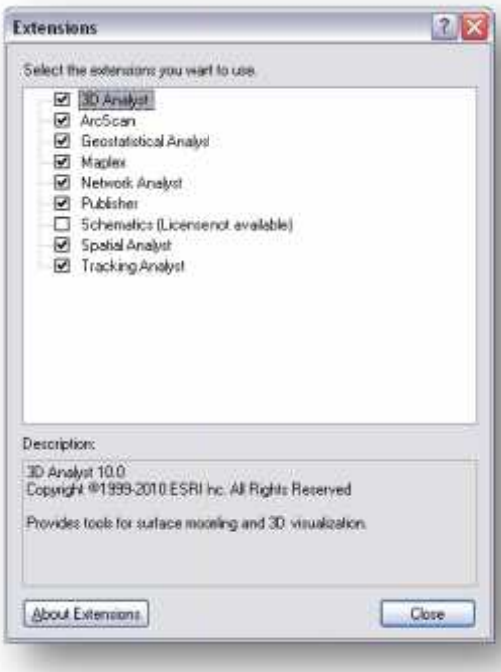


The Version of ArcGIS you are installing requires license authentication against a license server within the Yale University network. This means that, when "off-campus" users must use VPN to connect to the license server and use ArcGIS. This can present problems for users who are not able to maintain network connectivity, but require access to ArcGIS for fieldwork, etc. At ArcGIS Version 10, you are able to "Borrow" a license for a period of time determined by the University License Administrator. The Borrow period for arcgis.library.yale.edu is set to time out on Sept 30, 2012 or 365 days from Borrow Date, whichever is first. The procedure for borrowing a license is as follows:

1. Be sure that you have completed the steps for **Selecting the Product Version & Enabling communication with the ArcGIS 10 License Manager using ArcGIS Administrator (critical)**
2. In Windows, go to Start>All Programs>ArcGIS>**ArcGIS Administrator** to launch the **ArcGIS Administrator**.
3. Click on the **Borrow/Return** item, in the left panel
4. Check every box you see and click apply.
5. Wait for the Borrow/Return Progress Dialog to finish.
6. Click OK to close the ArcGIS Administrator.

You should now be able to use the full ArcInfo functionality, independent of the Yale Network, until Sept 30, 2012 or 365 days from Borrow Date, whichever is first.

Enabling Extensions in ArcGIS Desktop, using the Extensions Manager (critical)



Once you have completed the ArcGIS Administration Wizard setup, you are ready to launch the ArcGIS Software and Enable the Extensions for use.

1. In Windows, go to Start>All Programs>ArcGIS>**ArcMap 10** to launch the **ArcMap Application.**
2. Click OK to open a Blank Map.
3. On the **Main Menu**, go to **Customize>Extensions** to open the **Extensions Manager**.
4. Check all of the extensions and click Close.
5. All Extensions should be available for use in **ArcMap**, now.
6. Close ArcMap and repeat the above steps for **ArcCatalog 10**, **ArcScene 10** and **ArcGlobe 10**.



Setting Relative Paths as the Default Setting for all Map Documents (strongly suggested)

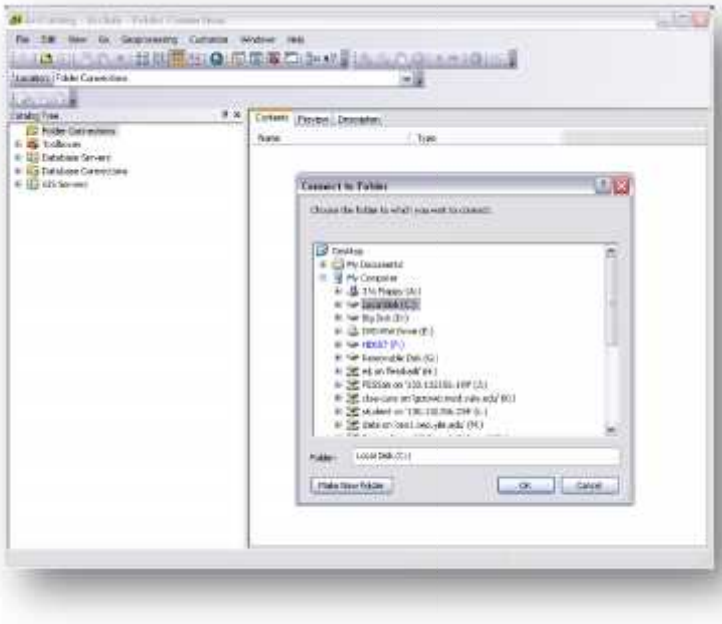
Setting the Relative Paths option for Map Documents changes the default methods for creating connections to data sources in ArcGIS. By default, ArcGIS uses absolute paths, which can create problems for those who need to move from one machine to another frequently, or who want to share their projects with another user. Using absolute paths uses the complete path to the data referenced in a Map Document, and therefore often makes a GIS project useable only on that machine. Relative Paths allows a user to create project folders, within which, all data, Map Documents and other materials are contained. With relative paths, as long as the project folder and its contents are moved as a single unit, connections from the Map Document to the data sources are maintained, making project far more portable.

1. In Windows, go to Start>All Programs>ArcGIS>**ArcMap 10** to launch the **ArcMap Application.**
2. Click OK to open a Blank Map.
3. On the **Main Menu**, go to Customize>ArcMap Options...
4. Under the General Tab, in the General Section, check the “Make relative paths the default for new map documents” option.
5. Click OK

Connecting to local drives in ArcCatalog (strongly suggested)

ArcCatalog no longer installs with active connections to any local drives (including the C:\ Drive). At a minimum it is suggested that you make a connection to the C:\ drive and any optical and shared storage drives that might exist in your lab.

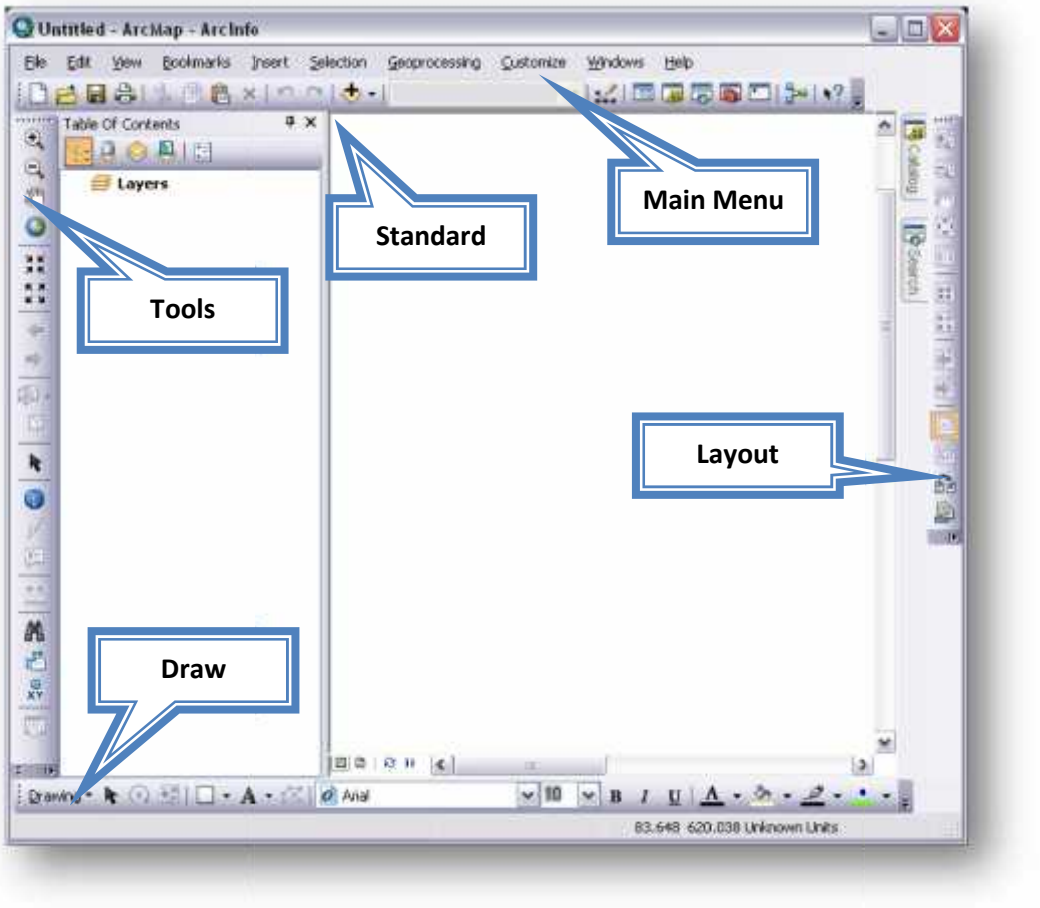
1. In Windows, go to Start>All Programs>ArcGIS>**ArcCatalog 10** to launch the **ArcCatalog Application.**
2. In the **Catalog Tree** Panel (at the left side of the application), right-click on the **Folder Connections** item and select **Connect Folder...**
3. Select an appropriate **folder** or **drive** and click **OK** to create a permanent connection in the **ArcGIS Suite**.
4. Repeat the above steps for any other folders or drives you wish to create connections to.



Preparing the default user interface (strongly suggested)

The default toolbar configuration for ArcMap is not optimal for many users

1. In Windows, go to Start>All Programs>ArcGIS>**ArcMap 10** to launch the **ArcMap Application.**
2. On the **Main Menu**, go to Customize>**Customize Mode...**
3. In the **Toolbars Tab**, Check the following Toolbars to enable:
   - Draw
   - Layout
   - Main Menu
   - Standard
   - Tools
4. Click Close
5. Drag and Drop the Toolbars to recreate the following configuration:



6. Close **ArcMap**

Additional Suggested Software

DNR Garmin

This extension was built to provide users the ability to directly transfer data between Garmin GPS handheld receivers and various GIS software packages. Using this program a user can use point features (graphics or shapefile) and upload them to the GPS as Waypoints. Line and Polygon Graphics or shapes can be uploaded to the GPS as Track Logs or Routes. Conversely, Waypoints, Track Logs, and Routes collected using the GPS can be transferred directly to ArcView/ArcMap/Google Earth/Landview and saved as Graphics or Shapefiles.

Installation

1. Download and install the latest version of DNR Garmin from http://www.dnr.state.mn.us/mis/gis/tools/arcview/extensions/DNRGarmin/DNRGarmin.html .

2. Extract the installations files and launch the dnrgarminsetup54.exe application

3. Accept all defaults for the installation.

Wasn't that easy?

Google Earth

Installation

1. Download the latest installation file from http://earth.google.com.
2. Launch the installer.
3. Accept defaults for installation.
4. Launch Google Earth to test the installation.

ExpressView Browser Plug-in (formerly MrSID Browser Plug-in)

The ExpressView Browser Plug-in (formerly the MrSID Browser Plug-in) gives you the ability to view MrSID and JPEG 2000 images natively in standard Windows Web browsers. The Yale Map Department distributes it's high-resolution map scans using the JPEG 2000 format. This includes all scanned images of the complete Sanborn Map Collection for Connecticut. This plug-in allows users to Pan, Zoom and Subset images from the Map Department's JPEG 2000 collection.

Installation

1. Download the latest installation file from http://www.lizardtech.com/download/dl_download.php?detail=geo_expressview_plugin&platform=win
2. Launch the installer.
3. Accept defaults for installation
4. Click finish to complete the installation.
5. Launch Internet Explorer.
6. Go to this URL: http://maps.library.yale.edu/images/public/11_1507_Copy_2_World_recto.jp2 to test that the plug-in is working properly.