TIPS AutoCAD Raster Design 2012 Installation Instructions

Getting Started

- All TIPS software users must install the latest KeyServer Client on their machine prior to installing new software versions. This is a requirement of the TIPS program to allow for adequate collection of license and server usage statistics. The latest KeyServer Client is available on the TIPS website http://www.tips.osmre.gov/Software/Downloads.shtml.
- Before starting the Raster Design installation process, you will need the following:
  - AutoCAD Raster Design 2012 DVD or download/order "trial" from the Autodesk website at http://usa.autodesk.com/adsk/servlet/pc/index?id=2600114&siteID=123112.
  - Serial number, Product key, and environment variable information provided with the TIPS distribution.
  - A network shared folder with full access privileges (if creating a network deployment image). This is the location where the deployment administrative image will be created. The image will occupy approximately 400 MB of disk space.
  - Program installation requires approximately 265 MB of disk space on each user computer.
  - **Administrative Privileges – "Administrator" credentials are necessary for installation. In addition, for Windows 7 installations, the first time that the program is launched BY THE USER, it must be done using Administrator credentials (page 8).**
  - **TIPS recommends that all antivirus services be disabled during installation.**

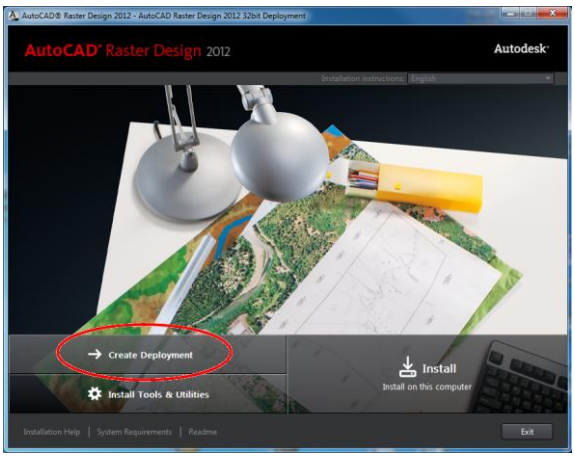
General Overview

- Deployment Image (Recommended) - Although AutoCAD Raster Design can be installed directly on each user machine, we recommend that a network deployment image be created and used for consistent installation. Once created, the deployment image is used for installation on individual user computers without having to configure each installation separately; all files necessary to run the program on each user computer are copied, and no communication with the image is required after the initial installation.
- Direct Install (Optional) - As an option, the software can be installed directly to user machines without creation of a deployment image. This will require separate (i.e., repeated) configuration for each client installation. The installation procedure is the same as that shown below under 'Create a Network Deployment Image,' minus references to deployment image name, directory location, and general deployment settings.
- **All installations must be configured as "Network" license type (page 4).**
- Environment variables must be set on each user machine according to the documentation provided in the software distribution package. Note that if TIPS AutoCAD software has been previously installed, the variable(s) will already be set. See page 13 for details on accessing the variables.
- To check for current updates and service packs, visit http://usa.autodesk.com/adsk/servlet/ps/index?siteID=123112&id=2903102&linkID=9240977.
- If you have any questions or difficulties, contact Tom Mastaller at (412) 937-2108 or TMASTALLER@OSMRE.GOV; if Tom is unavailable, contact Stefanie Self at (412) 937-2105 or SSELF@OSMRE.GOV.
- Additional information (e.g., most recent installation instructions and installation FAQs) is available on the TIPS webpage http://www.tips.osmre.gov/Software/cad/CAD.shtml .

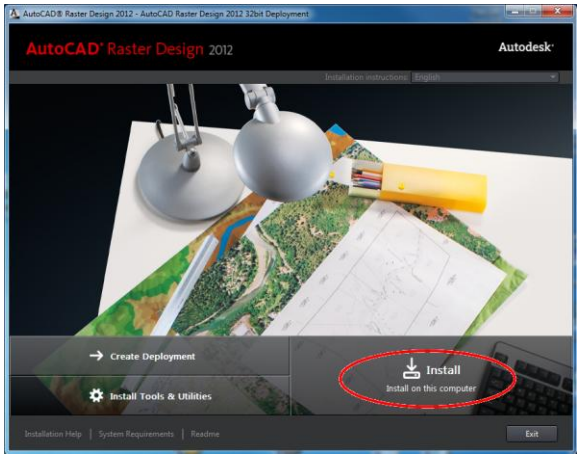
Initialize Installation

- You must have Administrator credentials to perform the installation (i.e., You must be logged in as an administrator or, optionally for Windows 7 installation, right click on the appropriate shortcut and select the "Run as Administrator" option).
- Insert the TIPS AutoCAD Raster Design 2012 DVD. If the setup does not start automatically, browse to <DVD DRIVE>:\setup.exe to initialize. If you have downloaded an installation file, navigate to it and double click on it to initialize installation. Enter appropriate "Administrator" credentials if requested to do so.

- ***Recommended Installation:*** Click **Create Deployment**. This will initiate creation of a deployment image on a network drive. The deployment image can then be used to install the software on any number of user machines over the life of the software version. Continue with ***Create a Network Deployment Image*** on page 3, below.

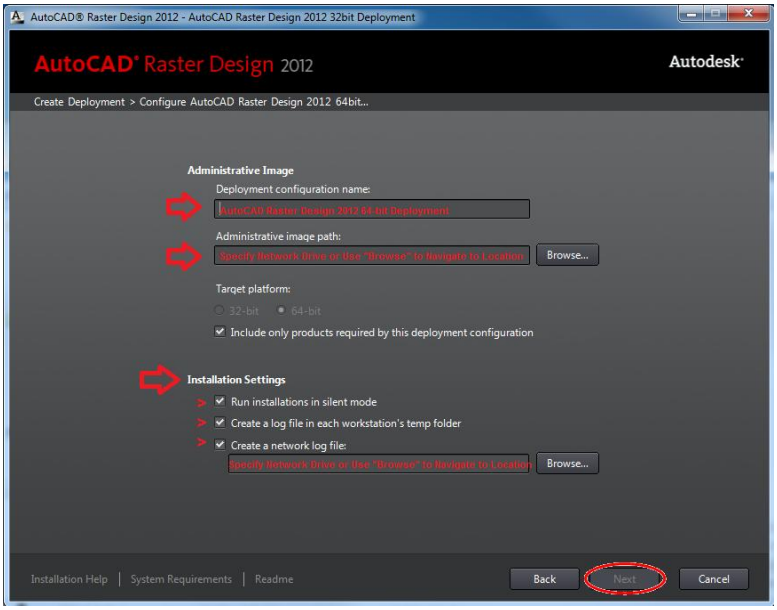


- ***<u>Optional Installation:</u>*** <u>Click **Install** (Install on this computer). This will initiate direct installation of the software on the current user machine; configuration will have to be repeated for each installation. Please take special note of all underlined instructions.</u>

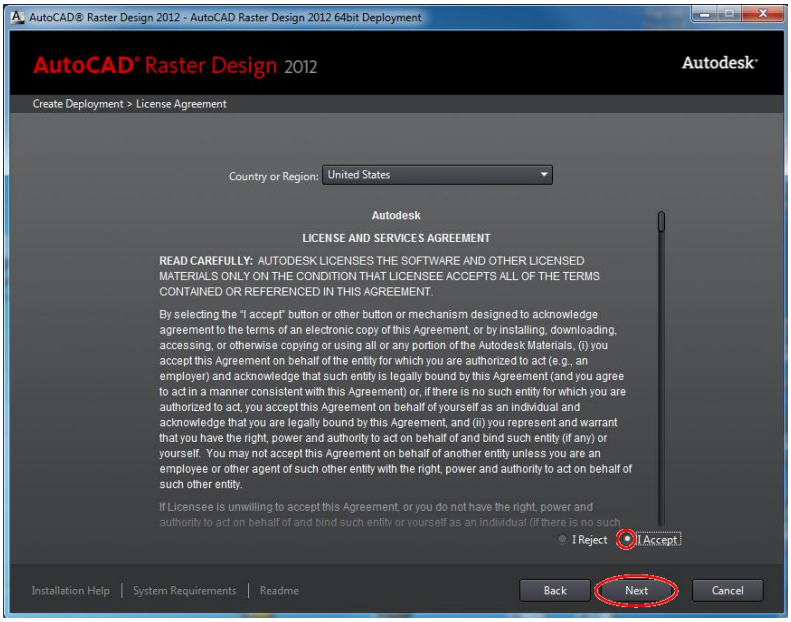


Create a Network Deployment Image

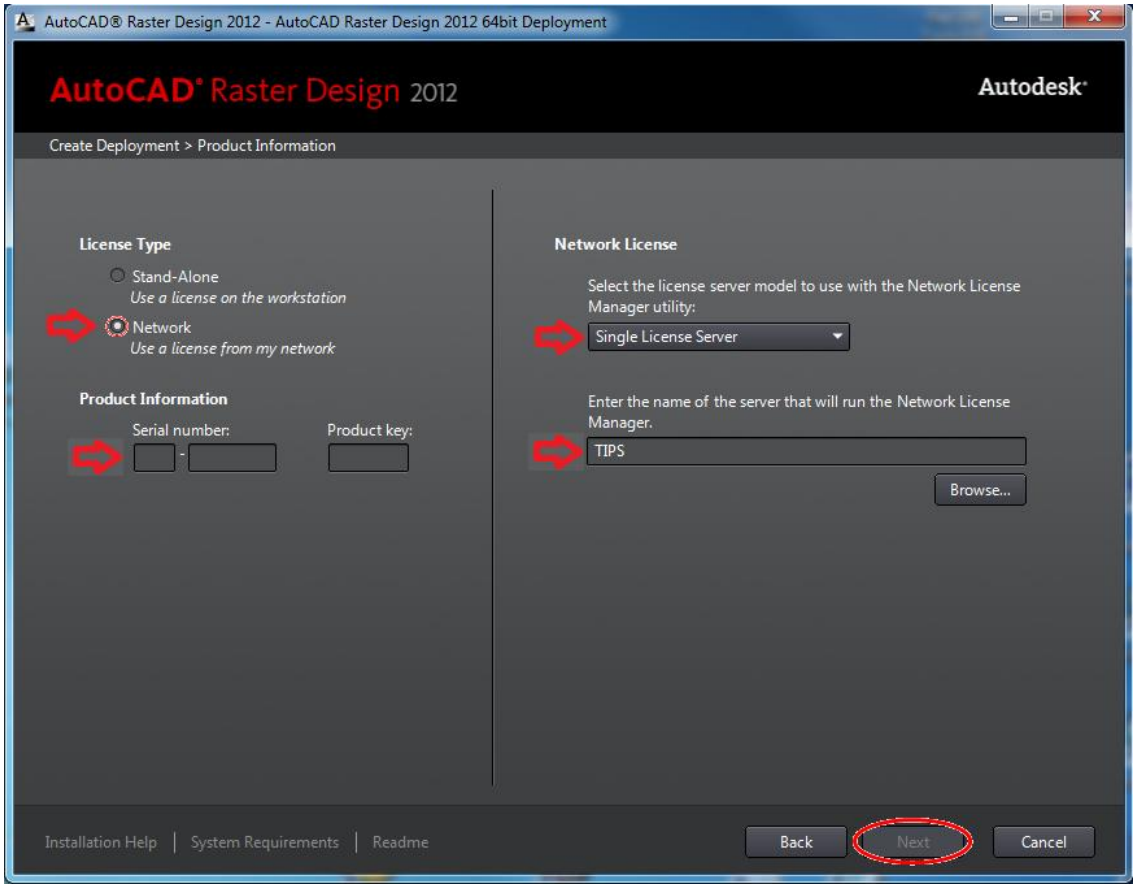
- Specify the deployment configuration name (e.g., AutoCAD Raster Design 2012 64-bit Deployment). This "names" the associated program shortcut for the deployment.
- Specify (or "Browse" to select) a Network Directory location where the deployment image is to be created and later accessed for installation on user computers (The image requires approximately 400 MB of disk space.). Note: This window is not applicable if using the direct install option.
- Note the default "Installation Settings"; these are recommended. If a network log file is to be created, the network directory will default to the network location where the deployment image is to be created (specified above); this can be changed if desired.
- Click **Next** to continue.



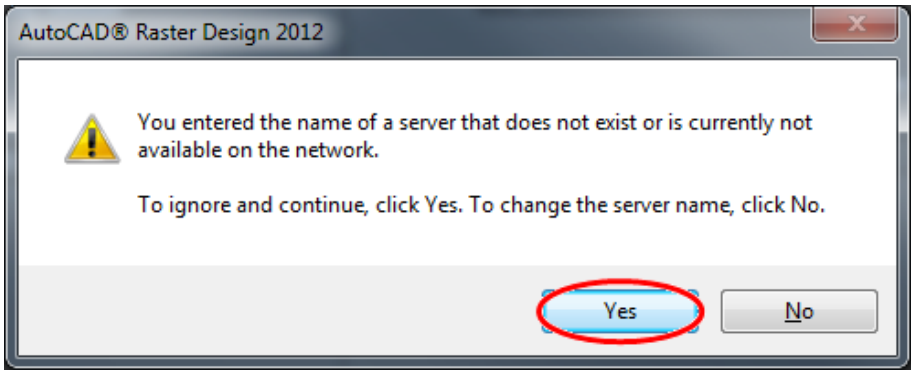
- Review the license agreement and select (i.e., click in the circle next to) "I Accept" to continue. [Continue here if using direct install option.]
- Click **Next** to continue.



- Click the circle next to 'Network'.
- Verify that the license server model is 'Single License Server' (This should be the default when 'Network' was selected (above step).
- Enter the Serial number and Product key that was provided with the software distribution.
- Enter 'TIPS' as the name of the license server.
- Click **Next** to continue.

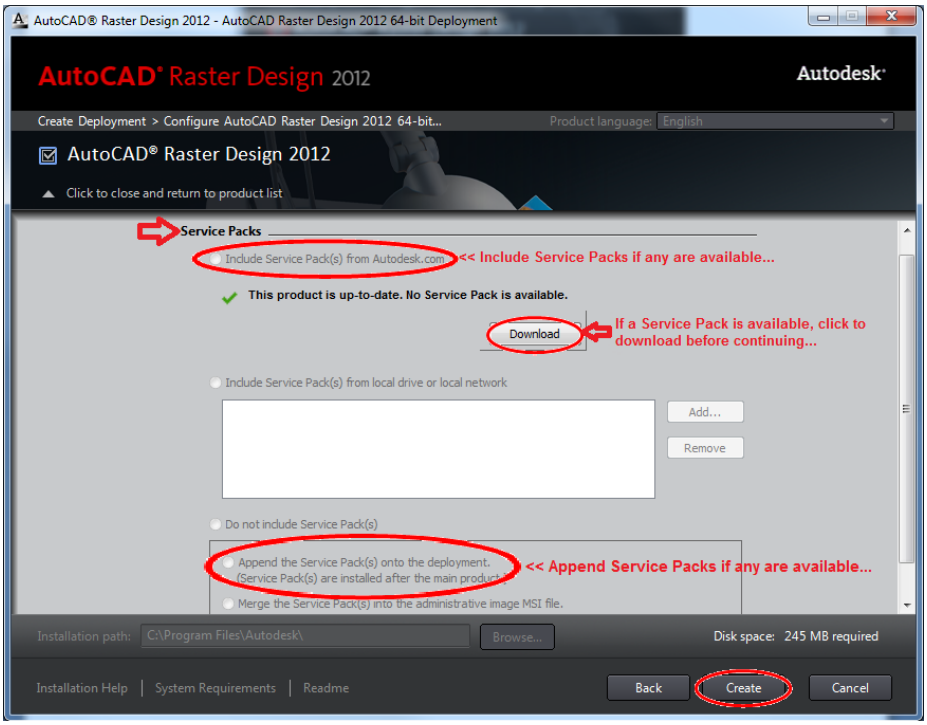


- You will get a warning that the server does not exist.
- Click **Yes** to ignore the warning and continue.

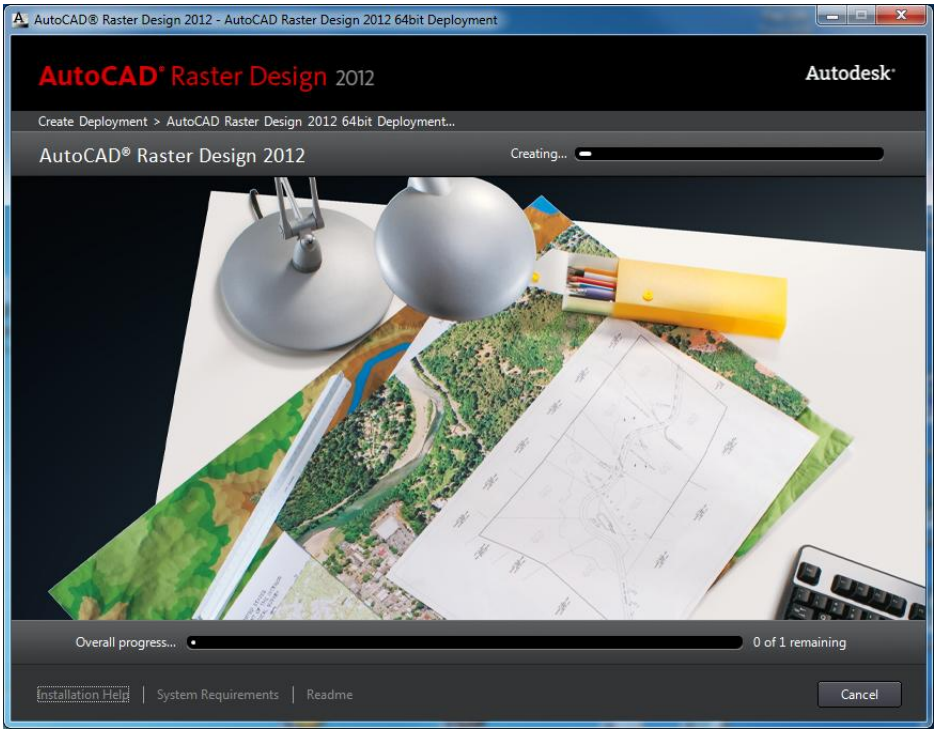


- Note that the box next to 'AutoCAD Raster Design 2012' is automatically "checked" to include it in the deployment / installation. The program requires approximately 265 MB of disk space on user computers.
- *Recommended Configuration Option:* To ensure that the software version is up to date, we recommend that if any Service Packs are available, they be downloaded and included in the deployment.
- To check for and include Service Packs, move the cursor to the area shown in the screenshot below and click **'Click to open and configure'**.

- Once the Configuration window is opened you should see the **'Service Packs'** section. The installation routine will have automatically searched for available Service Packs if an internet connection is available (none were available as of 12/19/2011).
- To include available Service Packs / Updates:
  - Select 'Include Service Pack(s) from Autodesk.com';
  - Click '**Download**';
  - After the download is completed, verify / select 'Append the Service Pack(s) onto the deployment'. (<u>This step not applicable to direct install</u>.).
- Click **Create** to continue. This will begin the creation of the deployment image.
- <u>If using the direct install option, click **Install**; after the installation routine is completed (estimate 5 – 10 minutes), click **Finish** and continue on to 'Launch Raster Design 2012' on page 8.</u>



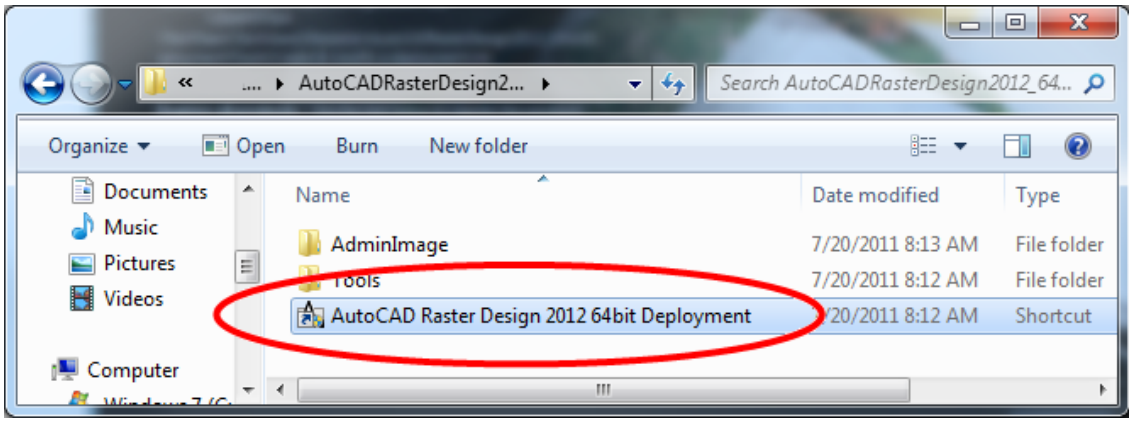
- The deployment will now be created. Depending on computer / network connection speed, the process may take 5 – 10 minutes.



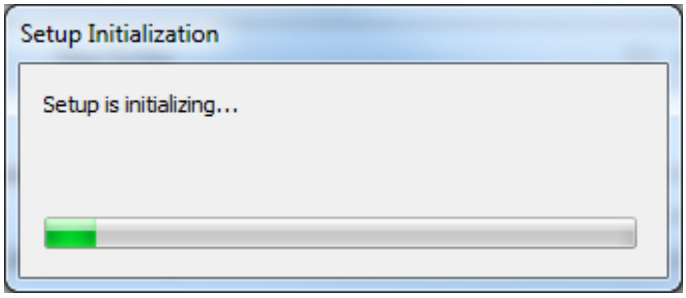
- When the process has completed, note the paths for product installation and deployment modification shown on the summary window.
- Click **Finish** to complete the process and exit.

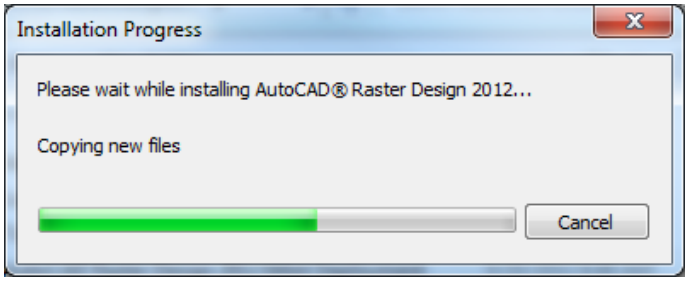
Install AutoCAD Raster Design 2012 on Client Machines

- From the client machine, navigate to the directory that contains the Network Deployment Image (i.e., the network directory that was specified during creation of the deployment image; see page 3.).
- *You must have Administrator credentials to perform the installation (i.e., You must be logged in as an administrator on the client machine and, for Windows 7 installation, right click on the shortcut and select the "Run as Administrator" option).*
- Double click (or right click /Run as Administrator) on the shortcut in this directory. It will have whatever name you specified during creation of the deployment image (see page 3).
- Optionally, the shortcut can be copied to an alternate, more convenient location and accessed there; note that the deployment image location must not be changed and must be accessible for installation to proceed.



- Installation will begin and should take approximately 5 minutes to complete, depending on network connection and client machine speed.

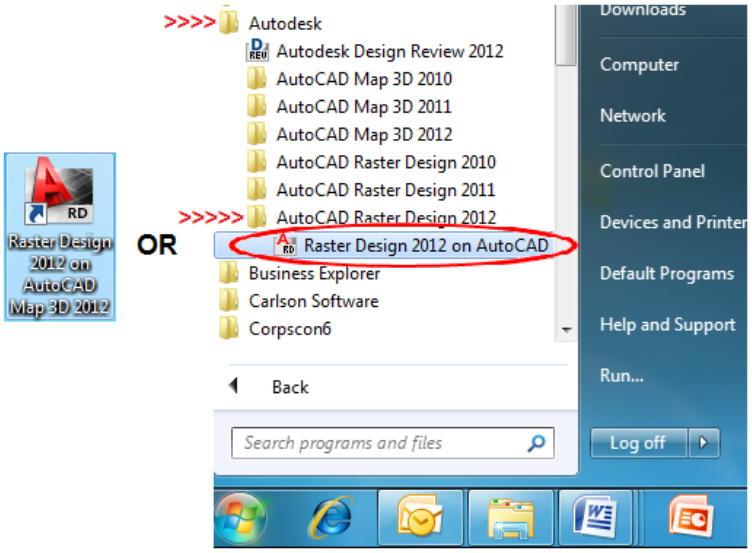




- Note that the status window will simply close (i.e., disappear) when installation is complete. There will not be a "notice" that the installation was successful.

Launch Raster Design 2012

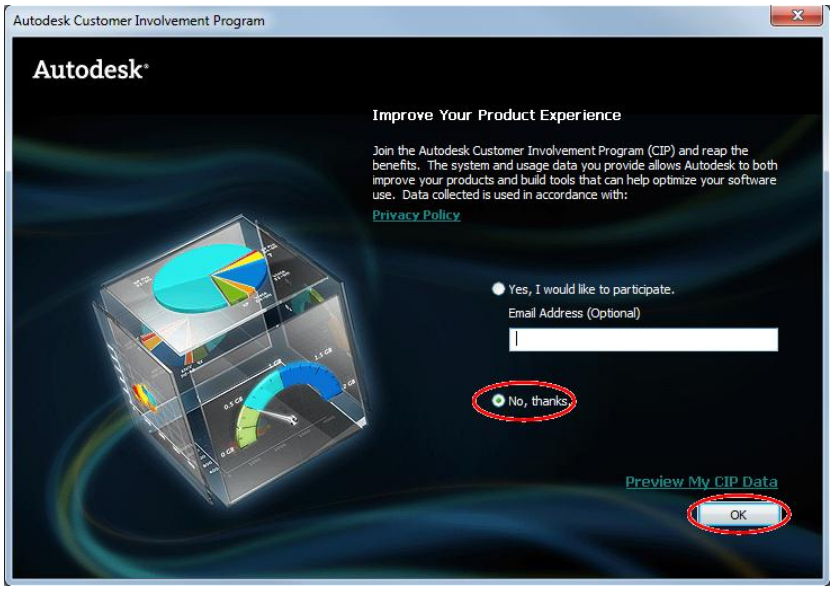
- The program can be launched from the desktop shortcut or from the Start Menu.
- *Note that for computers running the Windows 7 operating system, the program must be run the first time by the user (i.e., User logged-in) using Administrator credentials. Even if the user is an Administrator, we recommend that the program be started by right clicking on the shortcut and selecting the "Run as Administrator" option.*



- The Raster Design Setup initialization screen will briefly appear…

- The AutoCAD Map 'Welcome Screen' will appear with the default 'Show this dialog at startup' checked/selected; the default is suggested to enable the user to be reminded of the Getting Started Videos on the next program launch. (The Videos can also be accessed at any time from the program 'Help >> Learning Resources [or Learning Path]' menu.).
- Note that if the Welcome Screen does not appear, it may have been turned off by the user in a previous session of AutoCAD Map (just continue to the next step).
- Click "**X**" button on upper right of window to close and continue to the program screen; note that there will be a delay in accessing/closing the window while the program completely launches.

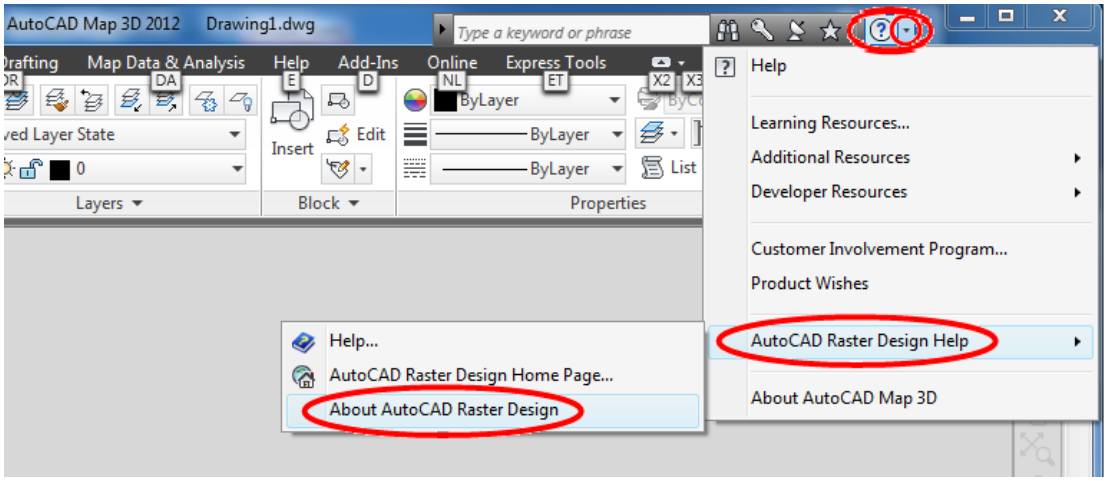
- If prompted, choose the desired option for the Autodesk Customer Involvement Program; 'No Thanks' is recommended.
- Click **OK** to continue.



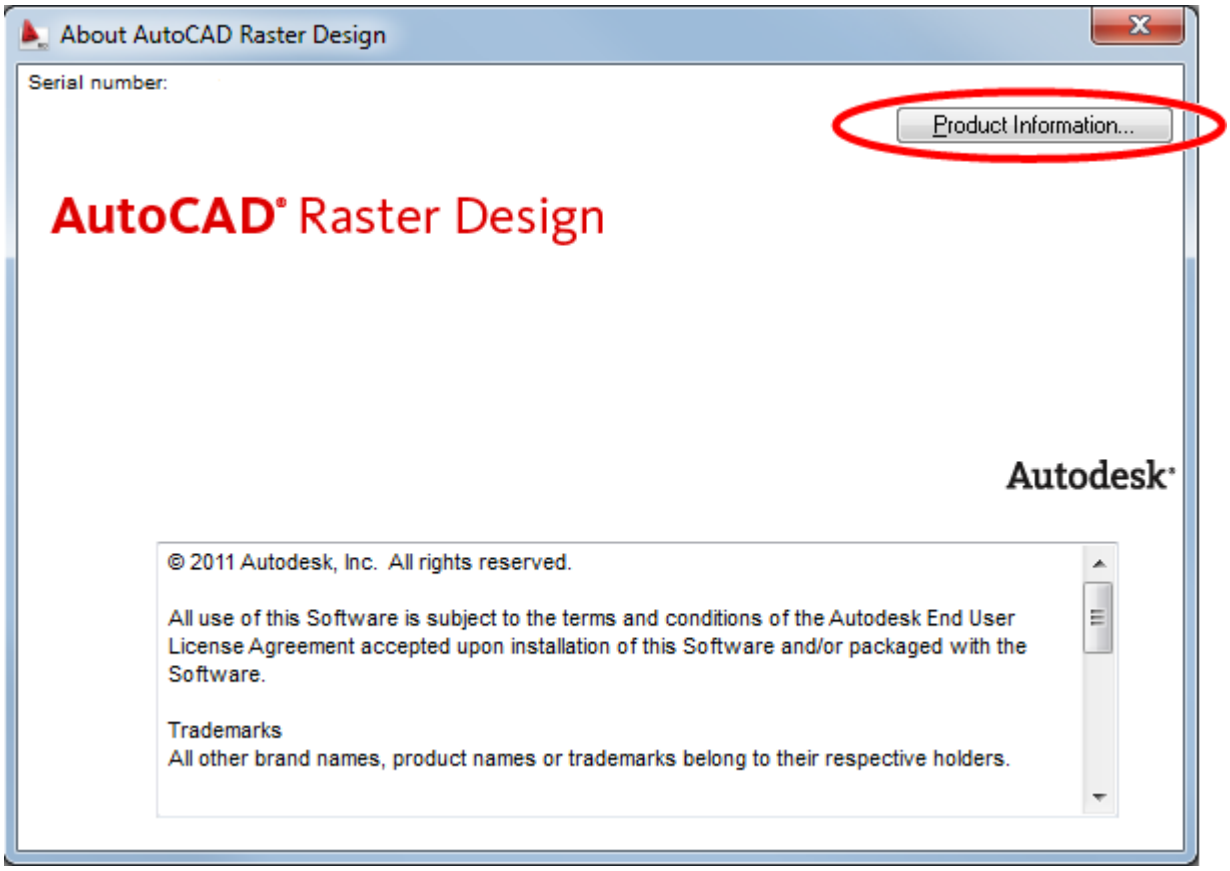
- The program will open to the default workspace ('2D Drafting Workspace' or other as selected when AutoCAD Map was installed)…

Verify Installation / Network Licensing

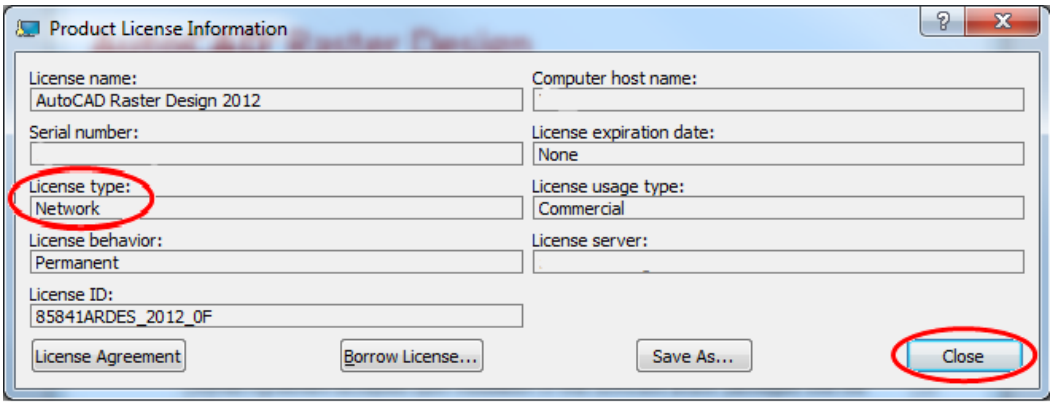
- To verify that the client installation has performed properly, open the 'Help' menu dropdown (click on down "arrow" at upper right of window) and then click **AutoCAD Raster Design Help**, and then, **About AutoCAD Raster Design.**



- Click on the **Product Information** button.

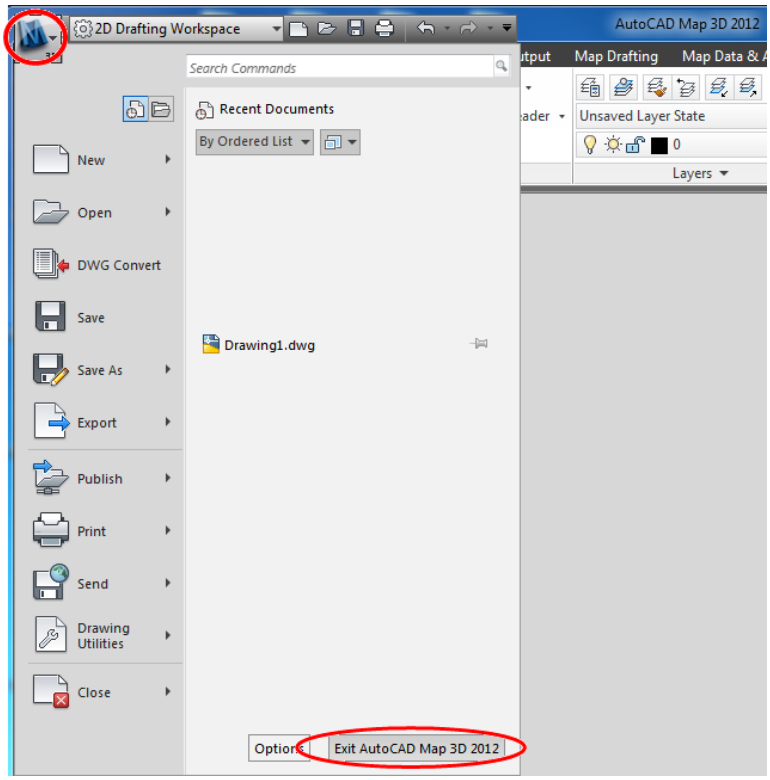


- Verify that the value for 'License type' is 'Network'. If the value is anything else, the installation did not perform properly and the licensing is not valid.
- After verifying the settings, click **Close**.



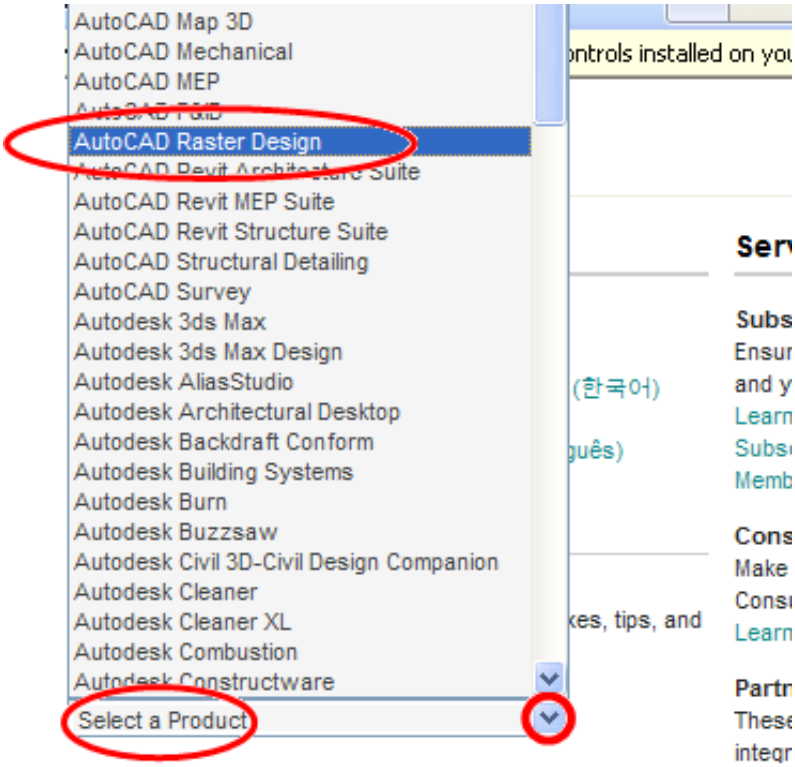
- Click on the '**X**' in the upper right corner of the 'About AutoCAD Raster Design' window to close it.

- To Exit the program, click on down "arrow" at upper left of window) and then click **Exit AutoCAD Map 3D 2012**. (Click **No** if prompted to save the drawing file).



Program Updates

- Check for the latest program updates and service packs at: http://usa.autodesk.com/adsk/servlet/ps/index?siteID=123112&id=2903102&linkID=9240977.
- (If the hyperlink is outdated go to http://www.autodesk.com/support and select 'AutoCAD Raster Design' from the 'Select a Product' dropdown [see image below]; then navigate to 'Data & Downloads' then 'Updates & Service Packs'.).



- No updates were available as of 12/19/2011.

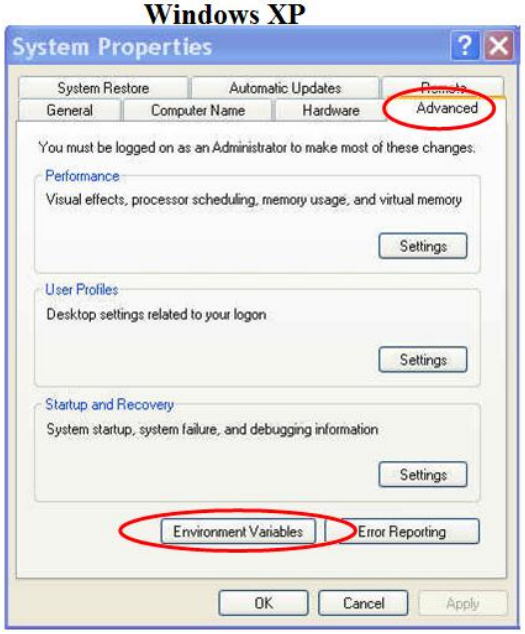
Accessing Windows Environment Variables

Certain environment variables must be set to allow Autodesk products to obtain a license from the TIPS license server. Specific information on the necessary variables is listed in the software distribution letter mailed to your TIPS contact.

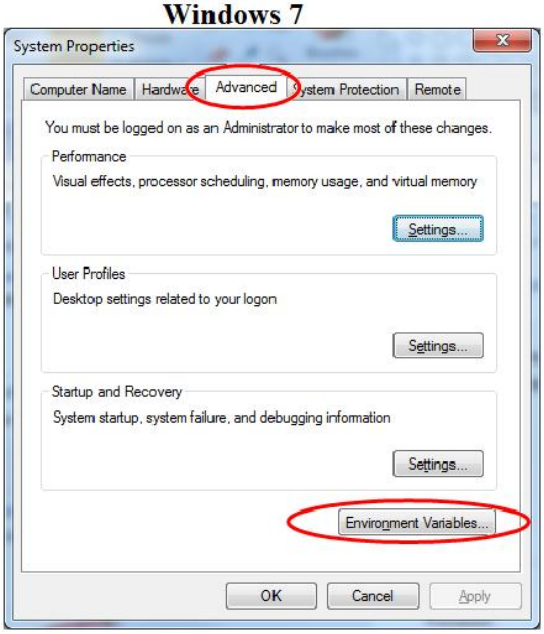
To access the environment variables:

- Navigate to **Start Menu -> Control Panel -> System** to open the 'System Properties' window (In Windows 7, **Start Menu -> Control Panel -> System->Advanced System Settings)**.
- On the 'System Properties' window, select the **'Advanced'** tab and click **Environment Variables**.

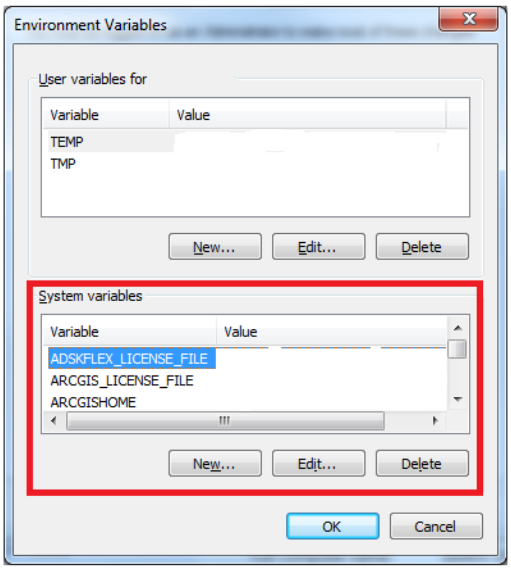
Windows XP



Windows 7



- The lower half of the resulting Environment Variables dialog box is the area where you can add new variables or edit existing ones.



Installation / Update Contacts

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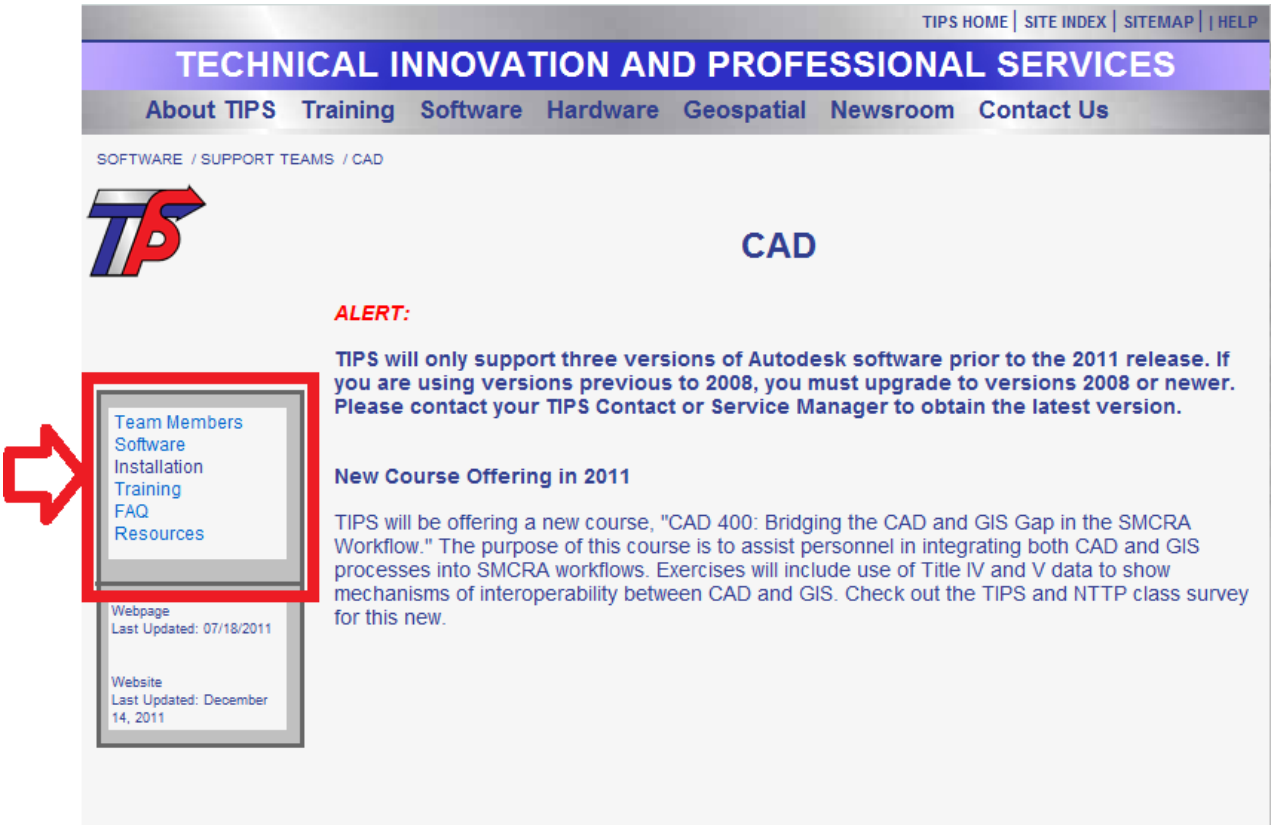
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