

TIPS AutoCAD Raster Design 2011 Installation Instructions

Getting Started

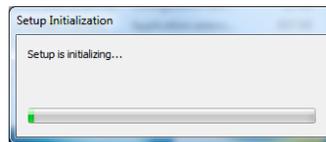
- All TIPS software users must install the latest KeyServer Client on their machine prior to installing new software versions. This is a requirement of the TIPS program to allow for adequate collection of license and server usage statistics. The latest KeyServer Client is available on the TIPS website http://www.tips.osmre.gov/tips_html/downloads.asp#K2.
- Before starting the Raster Design installation process, you will need the following:
 - AutoCAD Raster Design 2011 DVD or download/order “trial” from the Autodesk website at <http://usa.autodesk.com/adsk/servlet/pc/index?siteID=123112&id=8449305>.
 - 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 465 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, it must be done using Administrator credentials (see page 16).**
 - **TIPS recommends that all antivirus services be disabled during installation.**

General Overview

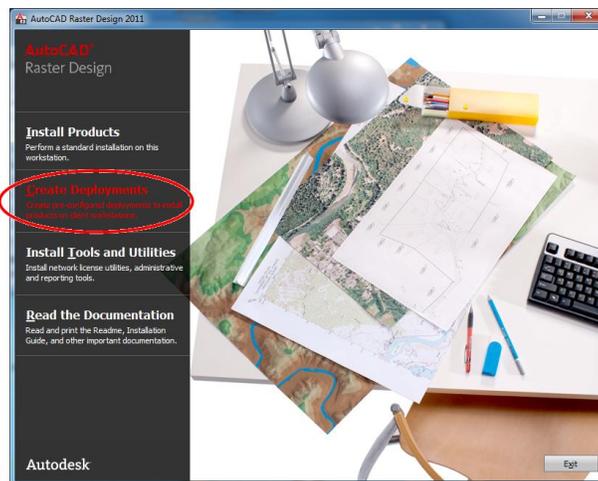
- Deployment Image (Recommended) - Although AutoCAD Map 3D can be installed directly on each user machine, we recommend that a network deployment image be created and used for consistent installation. Once created, the deployment image is used for installation on individual user computers without having 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, Single License Server” license type.**
- 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 17 for details on accessing the variables).
- Visit <http://www.autodesk.com/support> to check for current updates and service packs.
- If you have any questions or difficulties, contact Tom Mastaller at (412) 937-2108 or TMASTALLER@OSMRE.GOV; if Tom is unavailable, contact Tonya Mullins at (276) 523-0042 x13 or TMULLINS@OSMRE.GOV.
- Additional information (e.g., most recent installation instructions and installation FAQs) is available on the TIPS CAD Software webpage <http://www.tips.osmre.gov/CAD/default.htm>.

Initialize Installation

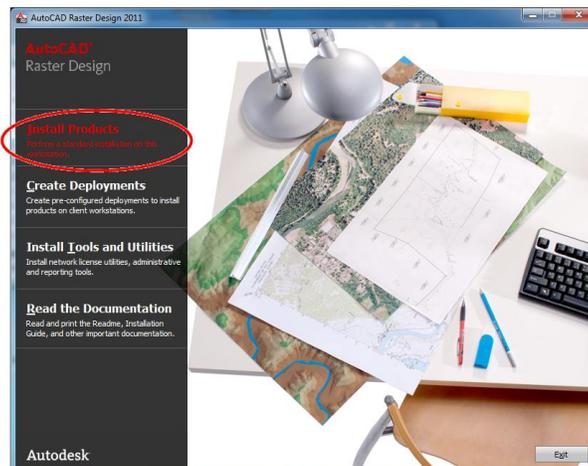
- You must have Administrator credentials to perform the installation (i.e., You must be logged in as an administrator or, optionally for Windows 7 installation, right click on the appropriate shortcut and select the “Run as Administrator” option).
- Insert the TIPS AutoCAD Raster Design 2011 DVD. If 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 Deployments**. 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.

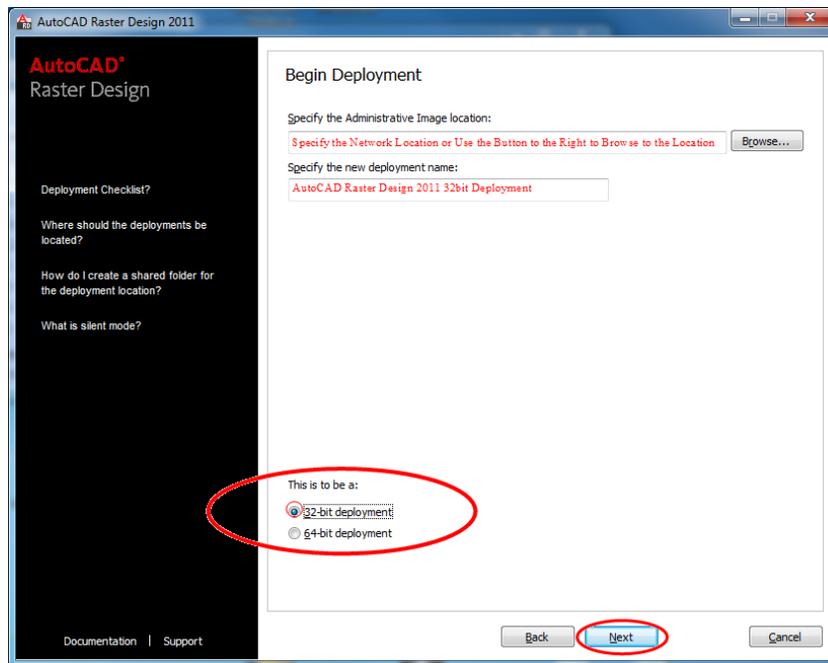


- **Optional Installation:** Click **Install Products**. This will initiate direct installation of the software on the current user machine; configuration will have to be repeated for each installation. **Please take note of all underlined instructions.**

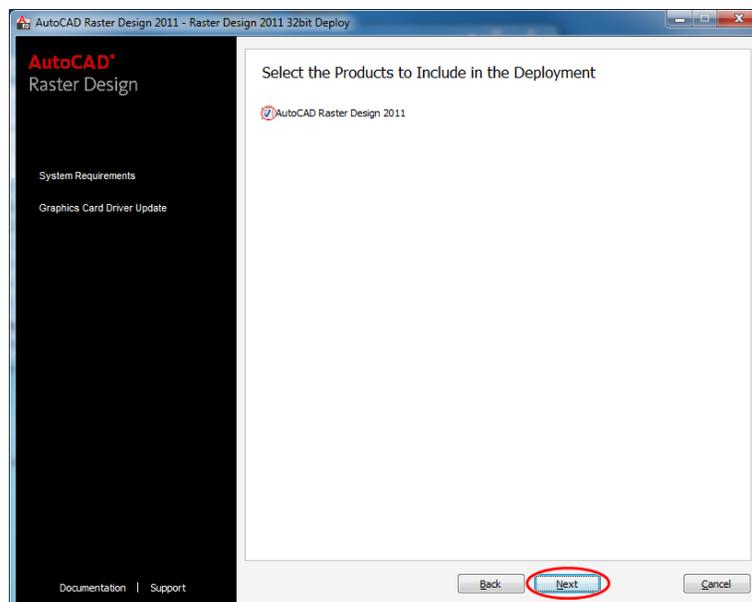


Create a Network Deployment Image

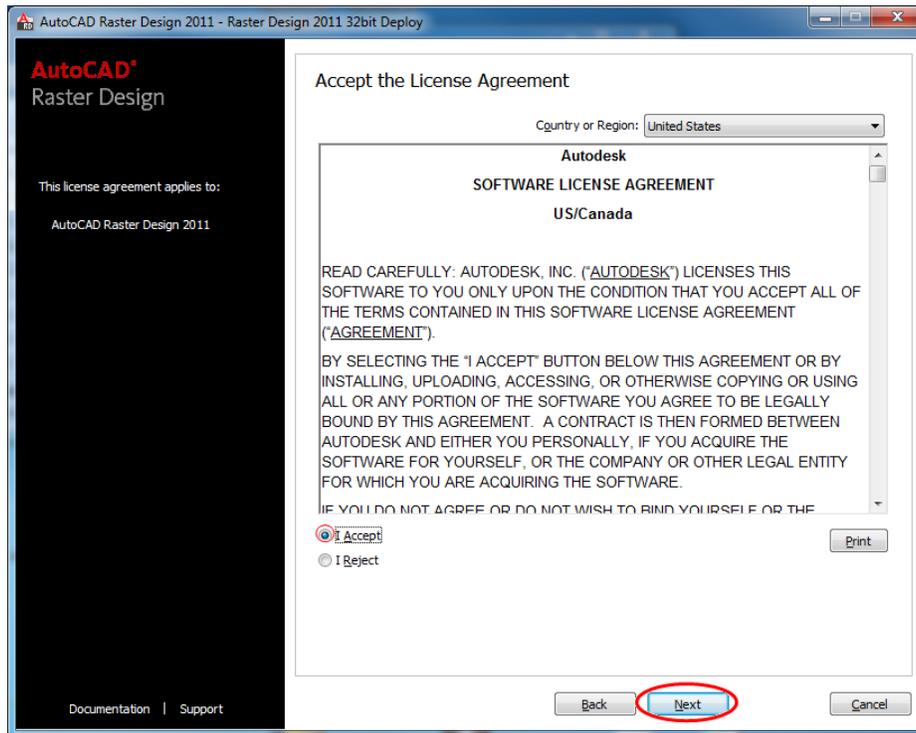
- Specify (or “Browse” to select) a Network Directory location where the deployment image is to be created and later accessed for installation on user computers (The image requires between 435 and 465 MB of disk space.).
- Specify a name for the deployment (e.g., AutoCAD Raster Design 2011 32bit Deployment). This names the associated program shortcut for the deployment.
- Specify whether the deployment is to be for a 32-bit or 64-bit installation.
- Click **Next** to continue.
- Note: This window is not applicable if using the direct install option.



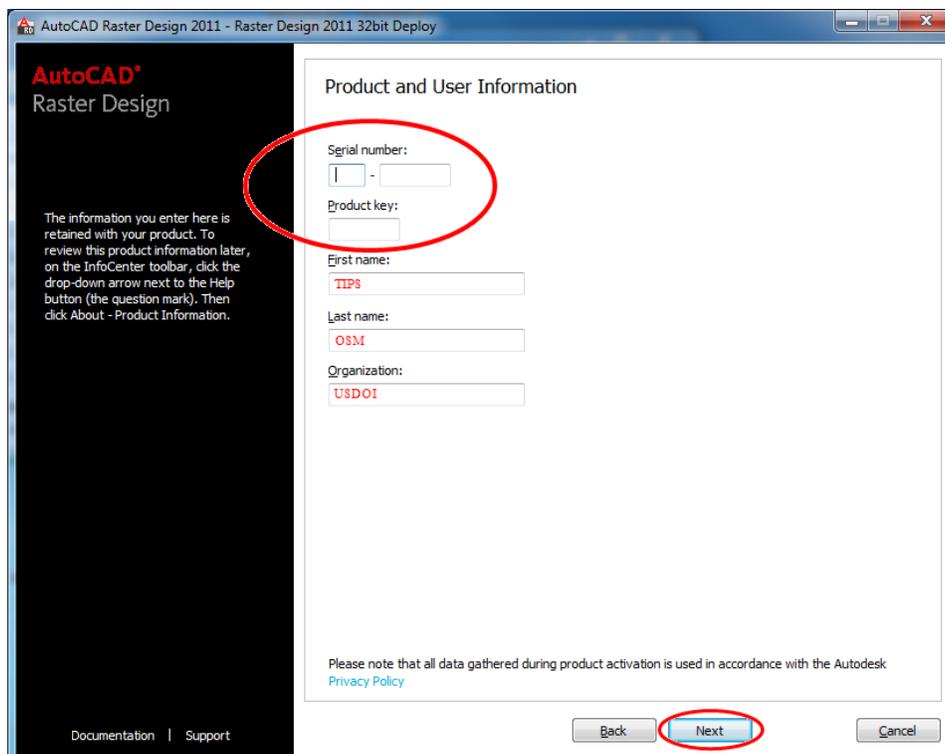
- Check the box next to ‘AutoCAD Raster Design 2011’ to include it in the deployment. The program requires approximately 265 MB of disk space on user computers, depending on configuration options.
- Click **Next** to continue.



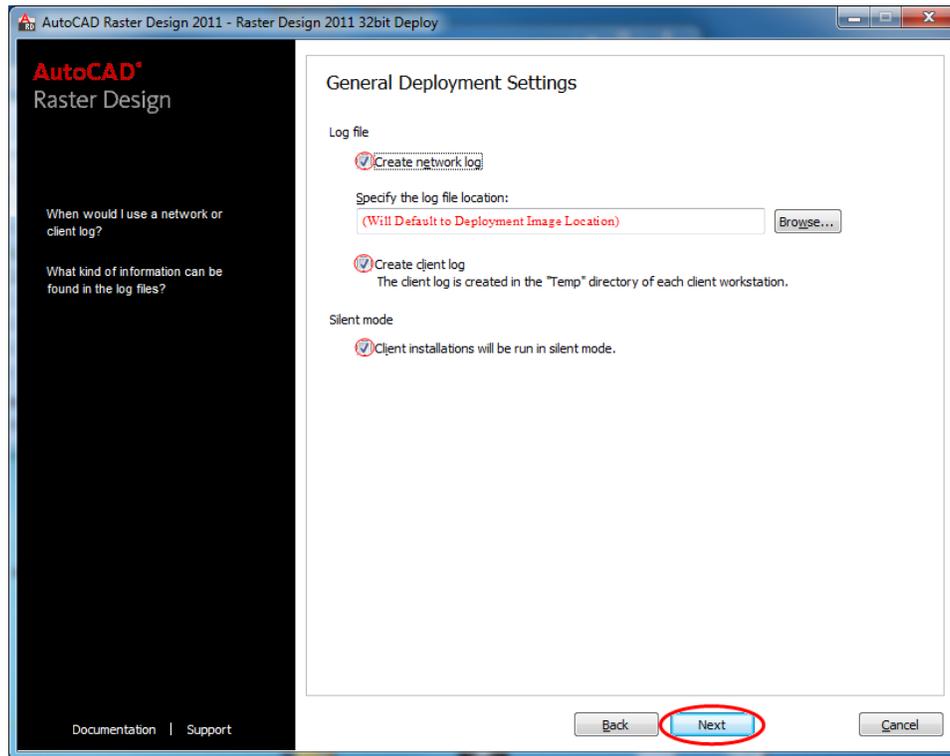
- Review the license agreement and select (i.e., click in the circle next to) “I Accept” if acceptable.
- Click **Next** to continue.



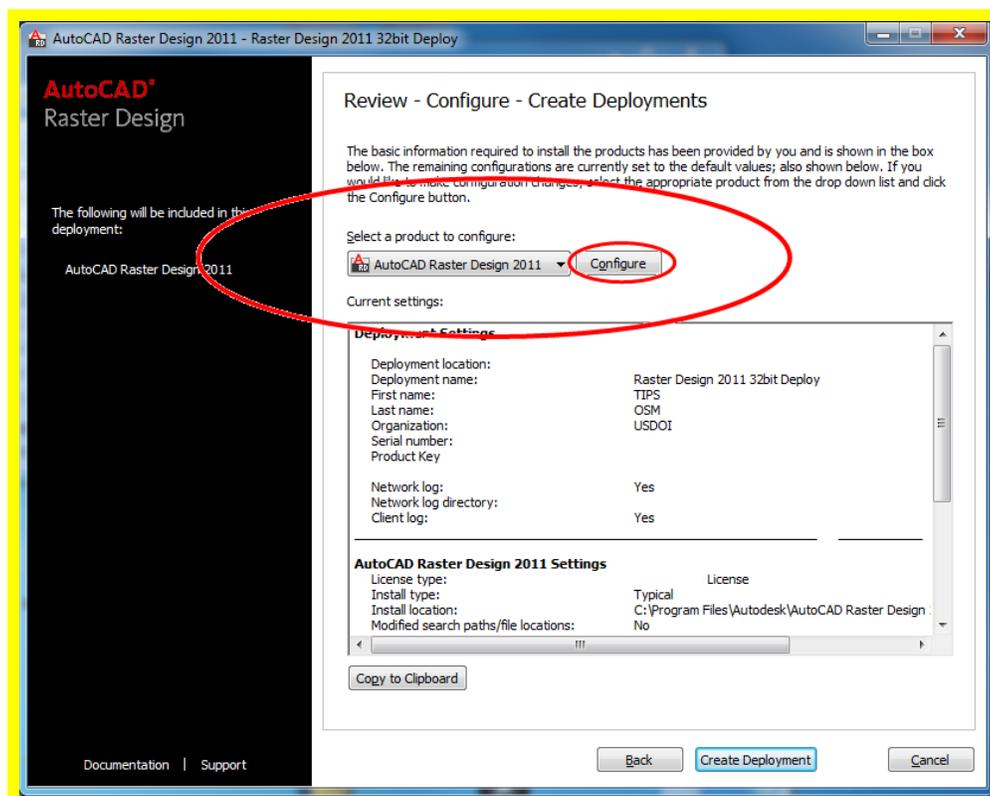
- Enter the Serial number and Product key provided with the software distribution.
- Enter ‘TIPS’ as the First name; ‘OSM’ as the Last name; and, ‘USDOJ’ as the Organization to identify the installation as a TIPS product.
- Click **Next** to continue.



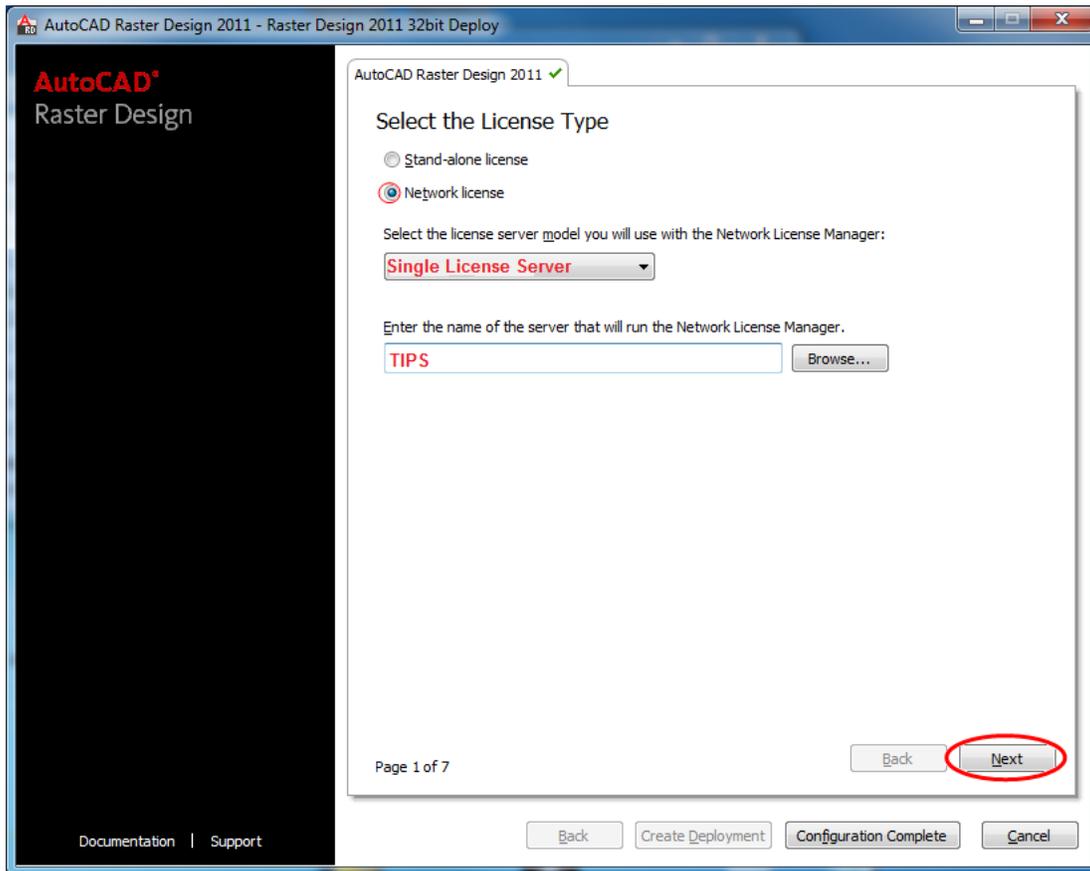
- Select the desired options for Log file and Silent mode installation. The default options (as shown) are acceptable.
- Click **Next** to continue.
- Note: This window is not applicable if using the direct install option. Proceed to next step.



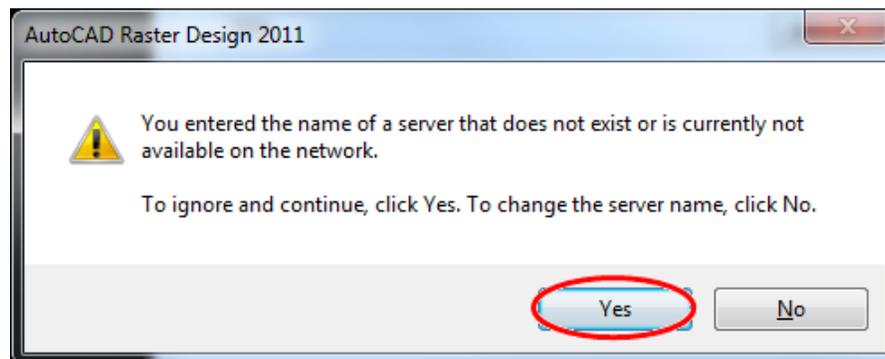
- Verify / select 'AutoCAD Raster Design 2011' as the product to be configured.
- Click **Configure** to proceed.



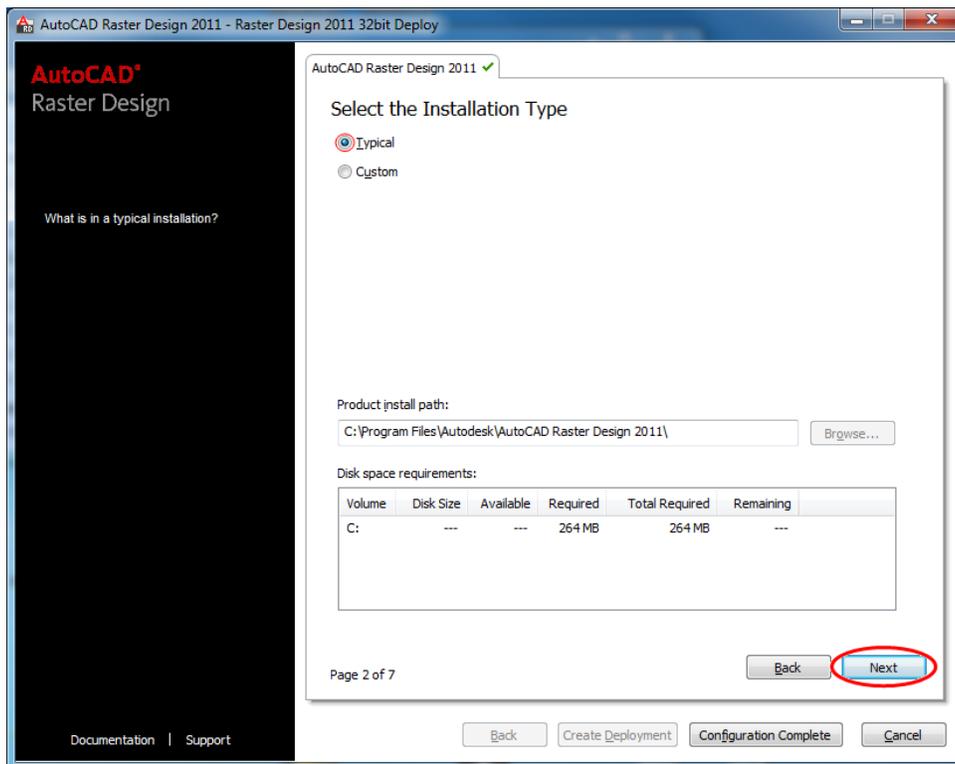
- Click the circle next to 'Network license'.
- Select the license server model 'Single License Server'.
- Enter 'TIPS' as the name of the license server.
- Click **Next** to continue.



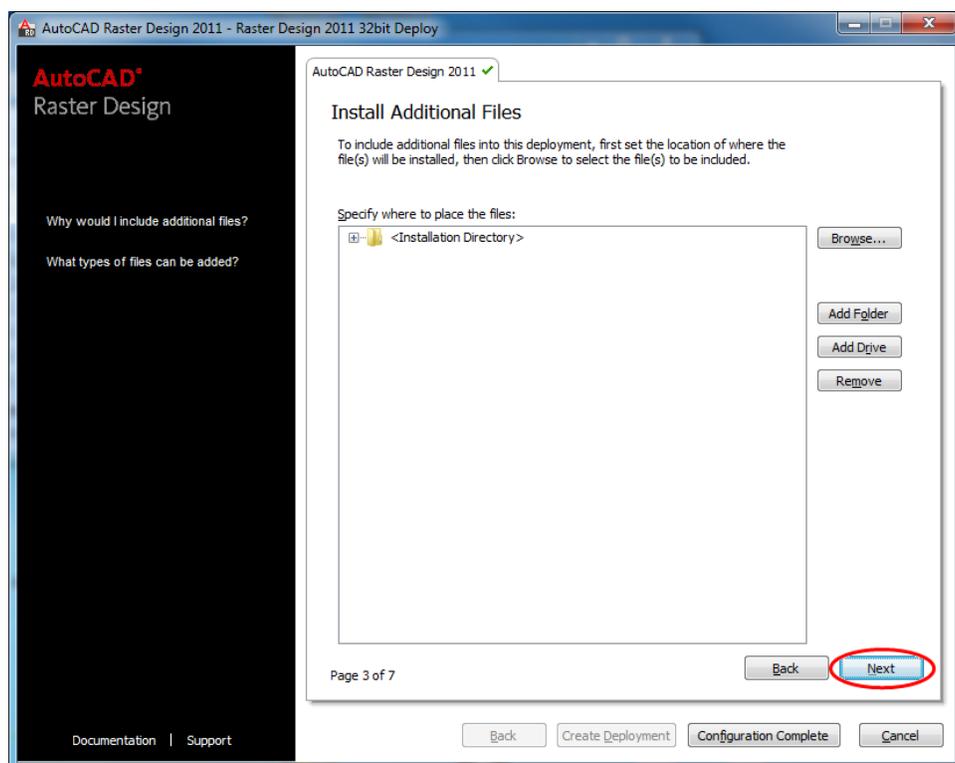
- You will get a warning that the server does not exist.
- Click **Yes** to ignore the warning and continue.



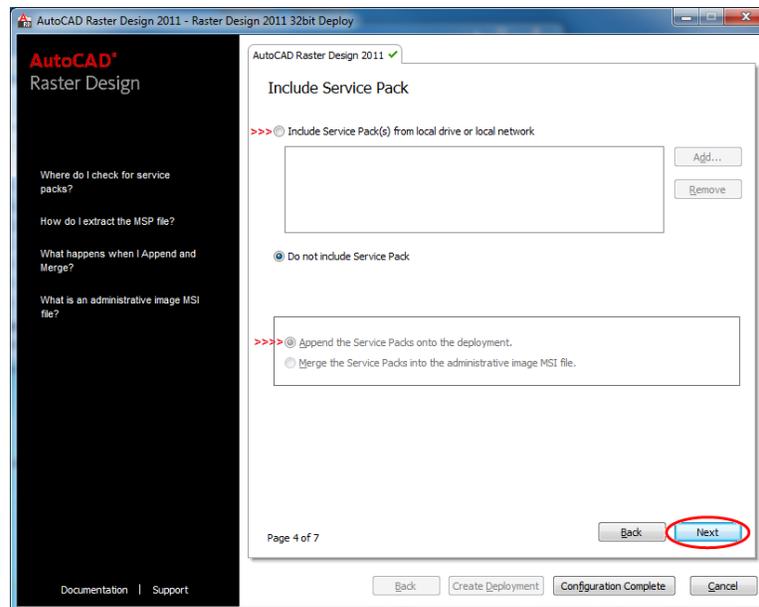
- Verify / select 'Typical' as the installation type.
- Verify the install path. The default 'C:\Program Files\Autodesk\AutoCAD Raster Design 2011\' is recommended.
- Click **Next** to continue (If using the direct install option, continue to bottom of page 9.).



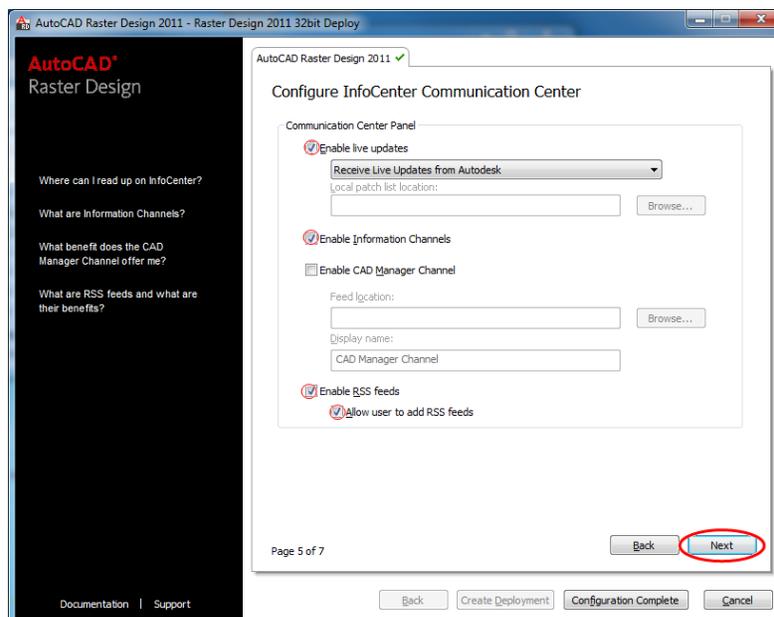
- This window allows for including additional files / folders as part of the deployment.
- Click **Next** to continue.



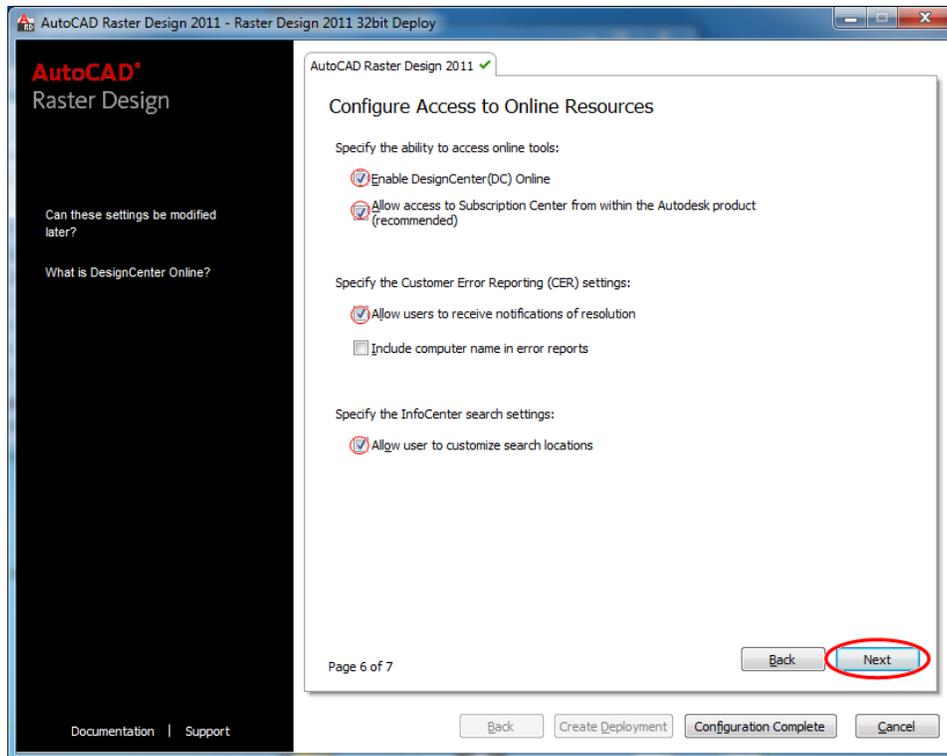
- This window allows the inclusion of Updates / Service Packs as part of the deployment; none were available at the time that these instructions were created.
- If a Service Pack is available, we recommend including it in the installation/deployment administrative image (Select/check 'Include Service Pack(s) from local drive or local network' and 'Add' the packs; also select 'Append the Service Packs onto the deployment').
- To check for and download current Service Packs, visit <http://usa.autodesk.com/adsk/servlet/ps/dl/index?siteID=123112&id=2334435&linkID=9240978> .
- Click **Next** to continue.



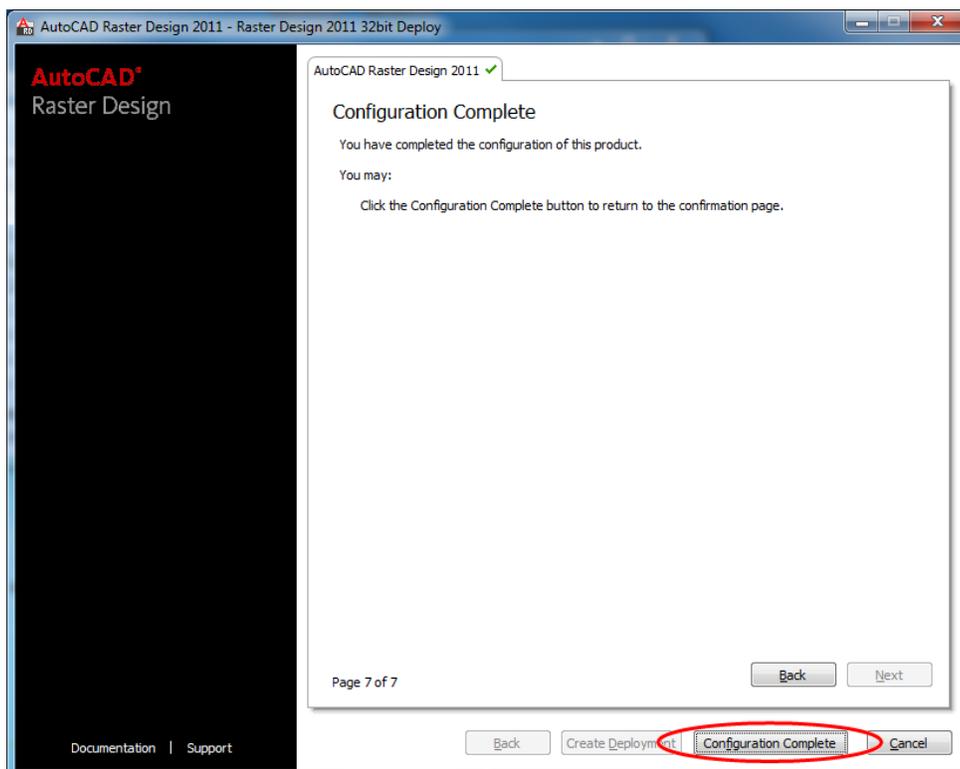
- It is recommended that the default selections 'Enable live updates,' 'Enable Information Channels,' and 'Enable RSS feeds' are selected; this ensures that users are made aware of program updates and issues.
- 'Enable CAD Manager Channel' is not necessary /recommended for the typical TIPS user.
- Click **Next** to continue.



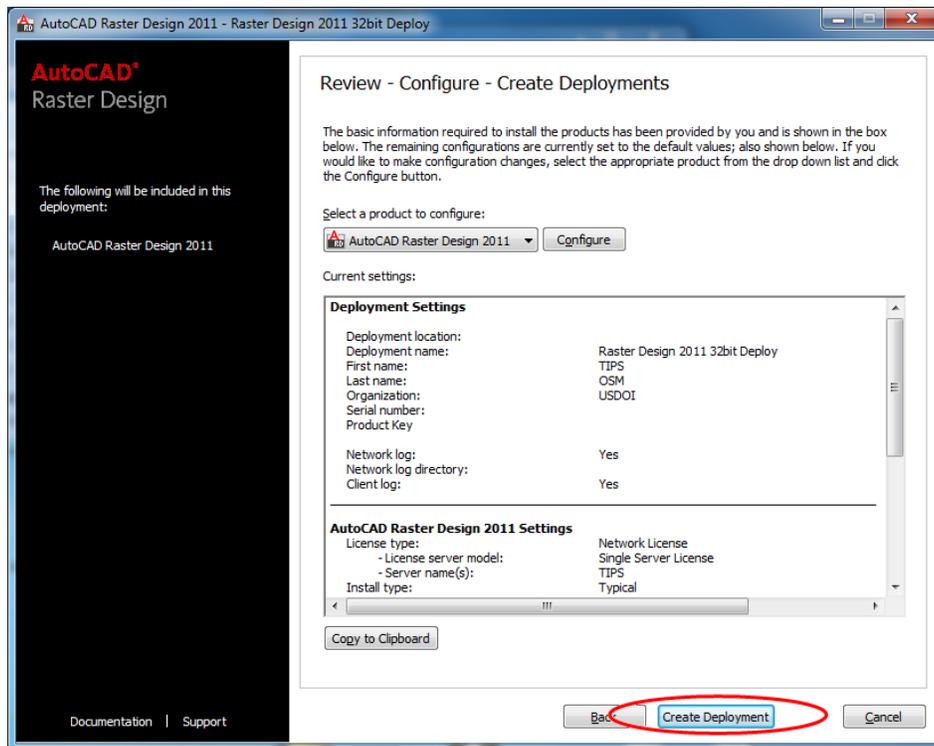
- Configuration defaults (as shown) are recommended for Access to Online Resources.
- Click **Next** to continue.



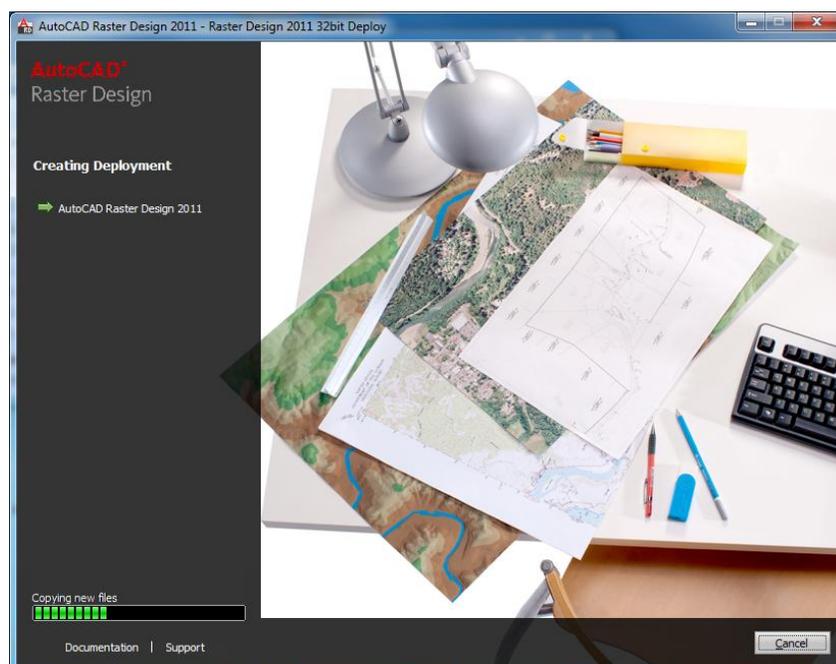
- This completes the configuration for AutoCAD Raster Design 2011.
- Click **Configuration Complete** to continue. (If using direct install option, begin again here.)



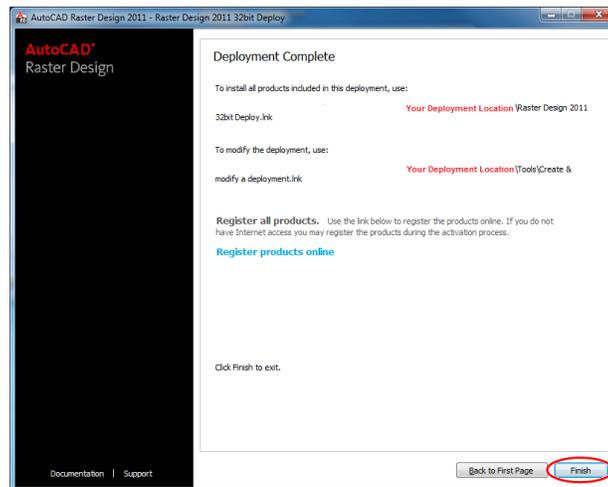
- Review the settings to ensure that the configuration is as intended; you can revise the settings if necessary by clicking on ‘Configure.’ If desired, you can also ‘Copy to Clipboard’ and paste to a text editor to save the settings for your records.
- If settings are correct, click **Create Deployment** to continue.
- If using the direct install option, click **Install**; the installation should complete in approximately 5 minutes. At that point click **Finish** (opening the Readme file is optional) and continue to ‘Verify Installation / Network Licensing’ on page 12).



- The deployment will now be created. The process will rotate through several screen images as necessary files are copied to the deployment. The process will typically take approximately 10 minutes.

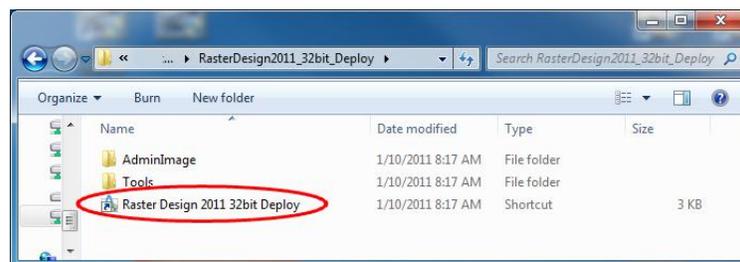


- When the process has completed, note the links for product installation and deployment modification shown on the summary window.
- Click **Finish** to complete the process and exit.

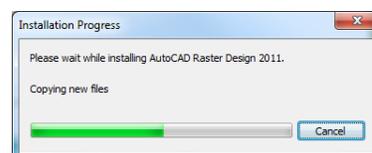


Install AutoCAD Raster Design 2011 on Client Machines

- 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 or, optionally 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 what ever 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.



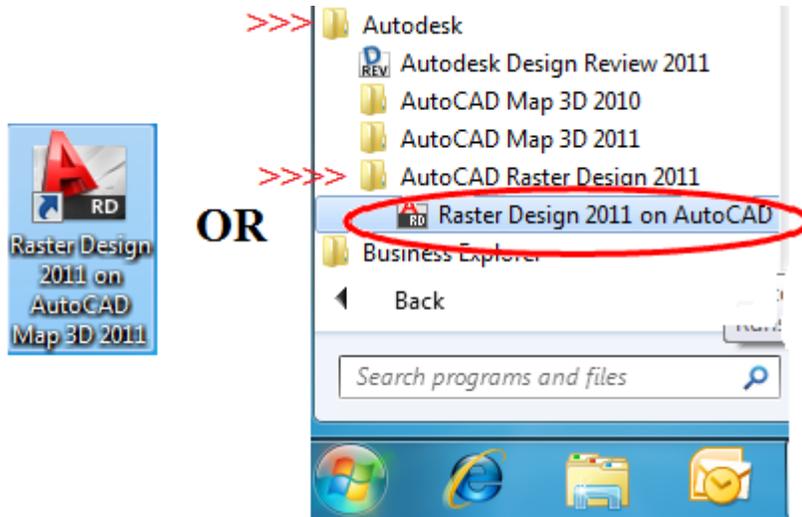
- Installation will begin and should take approximately 5 minutes to complete, depending on network connection and client machine speed.



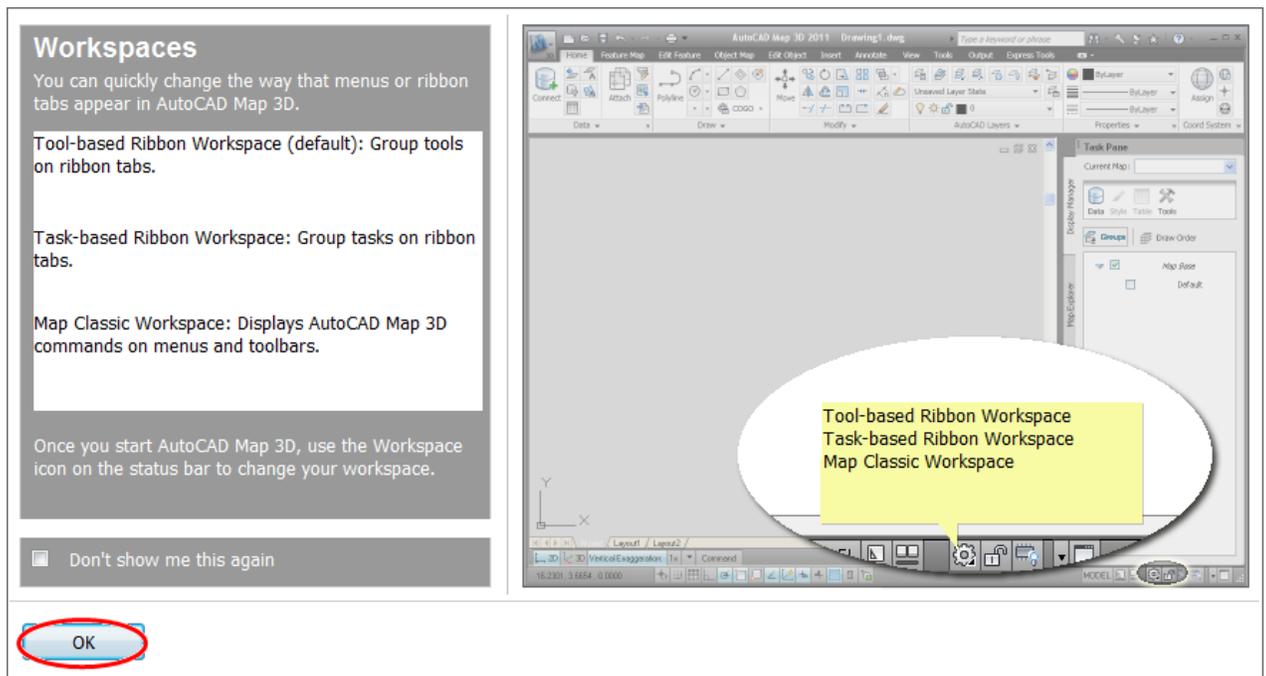
- Note that the status window will simply close (i.e., disappear) when installation is complete. There will not be a “notice” that the installation was successful.

Verify Installation / Network Licensing

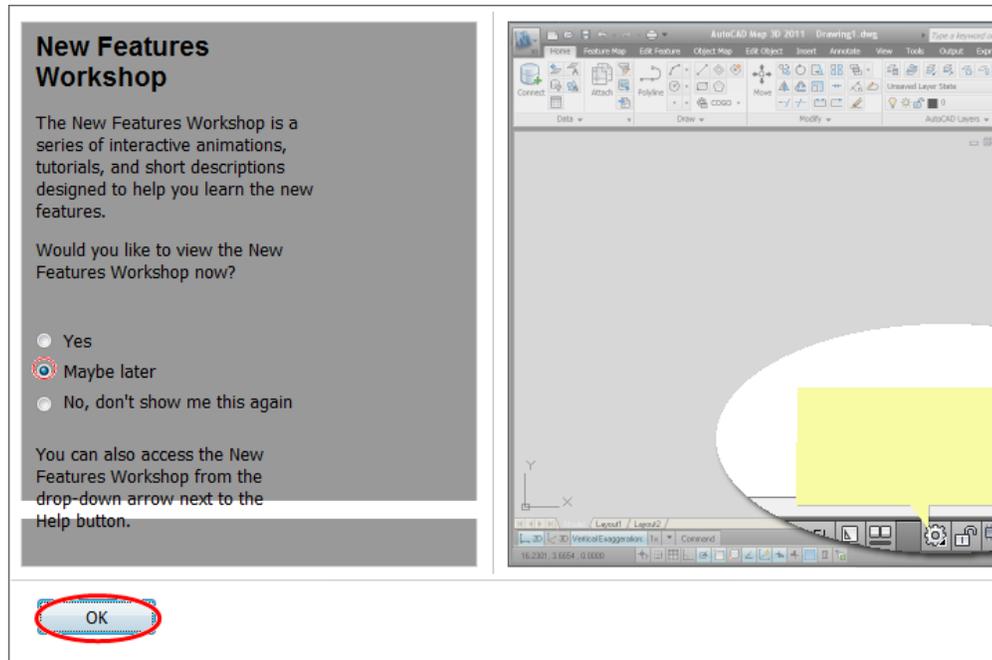
- The program can be launched from the desktop shortcut or from the Start Menu.
- *Note that for computers running the Windows 7 operating system, the program must be run the first time using Administrator credentials. If the logged-in user does not have Administrator credentials, the program must be started by right clicking on the shortcut and selecting the “Run as Administrator” option.*



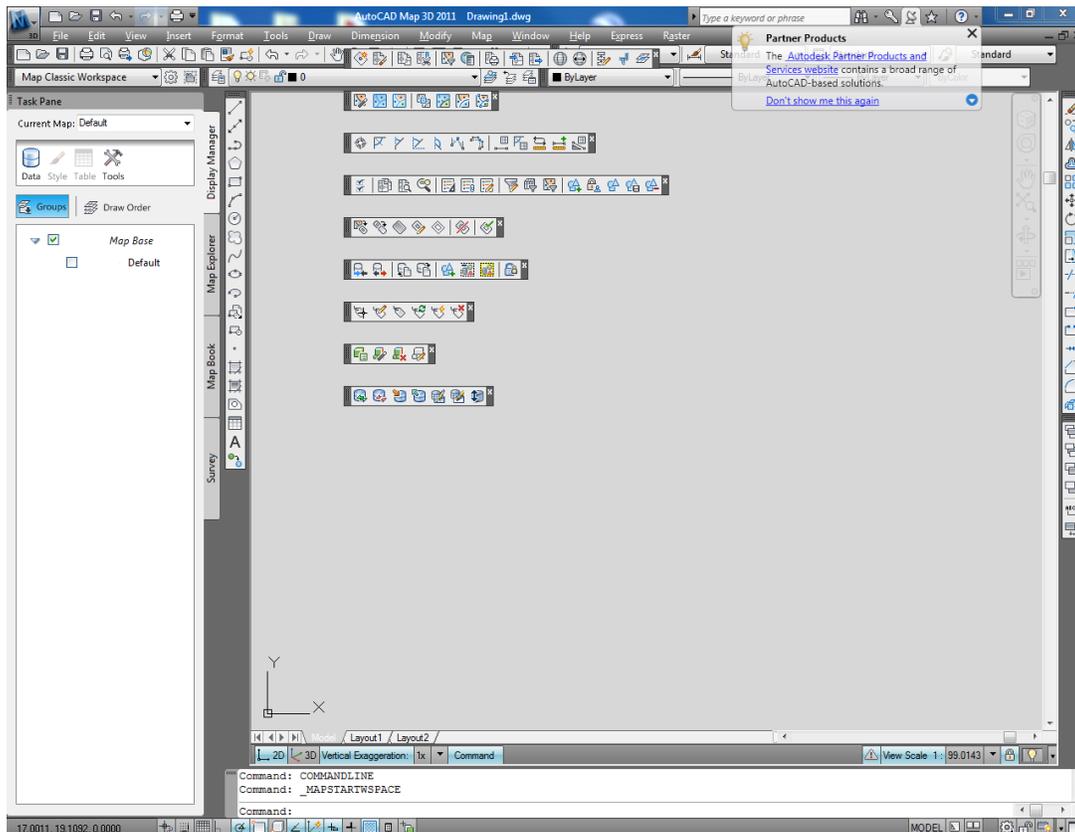
- Note the information window on how to change Workspaces.
- ‘Map Classic’ is the default TIPS workspace and should have been selected during installation of AutoCAD Map 3D 2011.
- Click **OK** to continue.



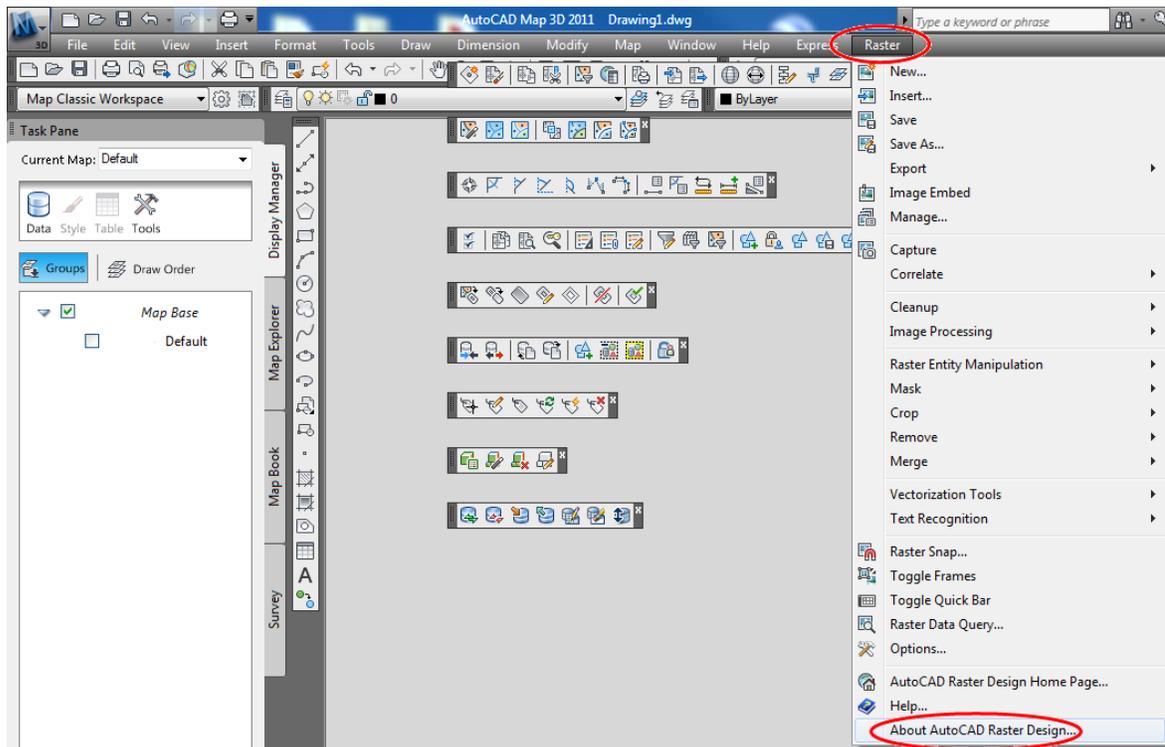
- Select the circle next to ‘Maybe later’ to enable the user to be reminded of the New Features Workshop on the next program launch (The New Features Workshop can also be accessed at any time from the program ‘Help’ menu.).
- If the ‘New Features Workshop’ window does not appear, it may have been turned off by the user in a previous session of AutoCAD Map (just continue to the next step).
- Click **OK** to continue.



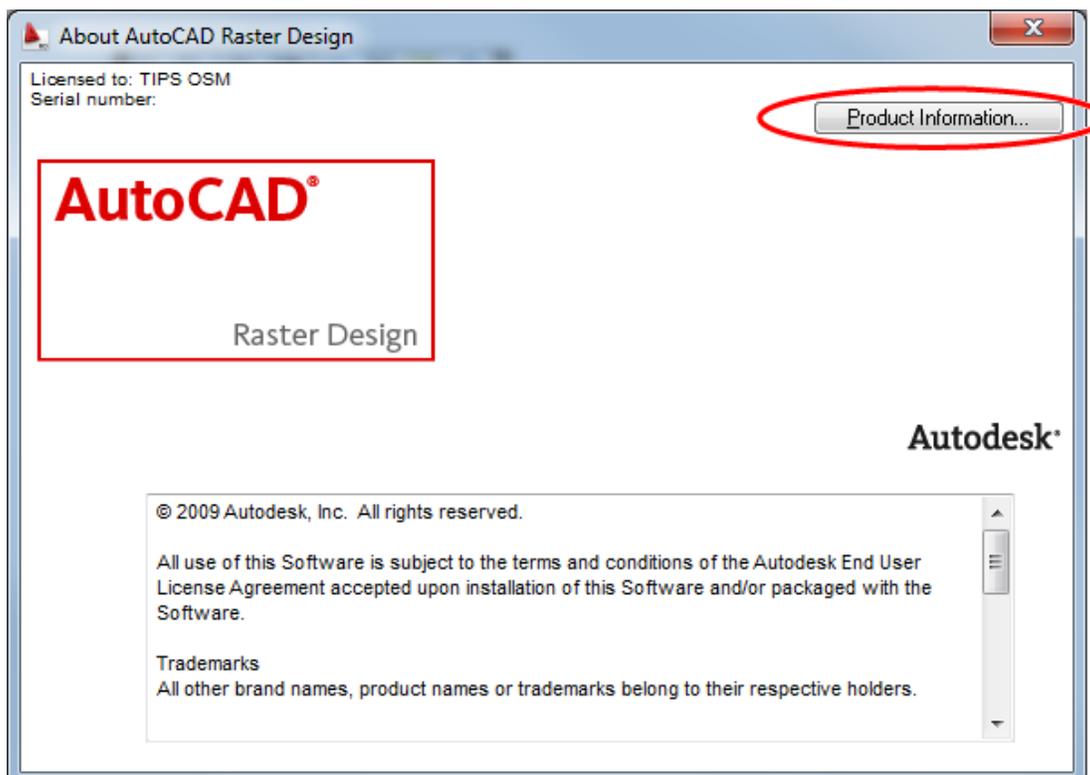
- The program should open as shown below (Map Classic workspace)...



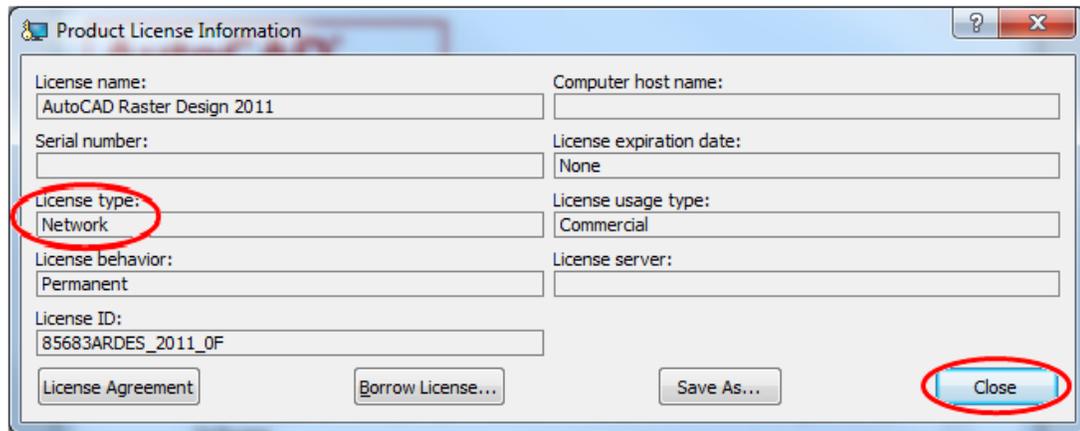
- To verify that the client installation has performed properly, go to the 'Raster' menu dropdown and click **About Raster Design....**



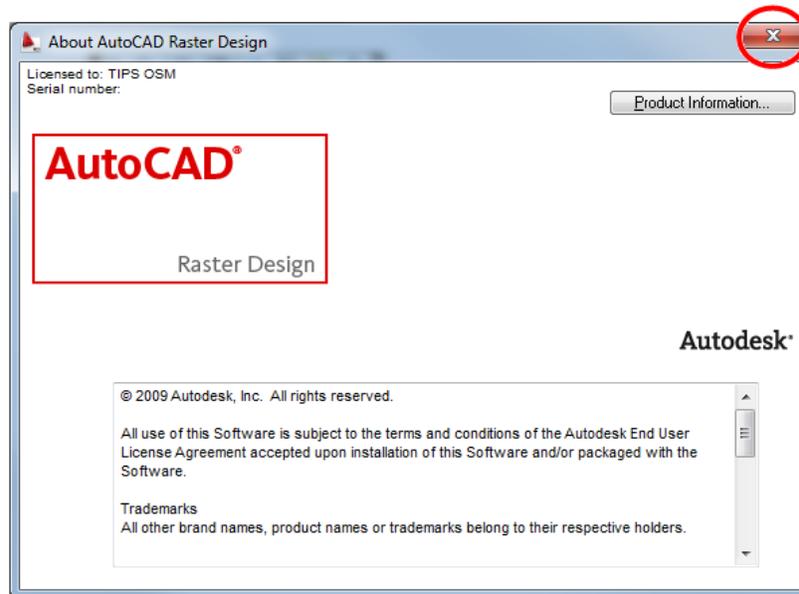
- Click on the **Product Information** button.



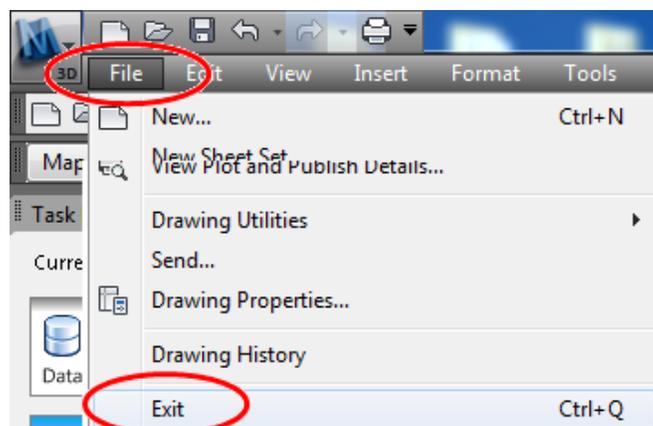
- Verify that the value for 'License type' is 'Network'. If the value is anything else, the installation did not perform properly and the licensing is not valid.
- After verifying the settings, click **Close**.



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

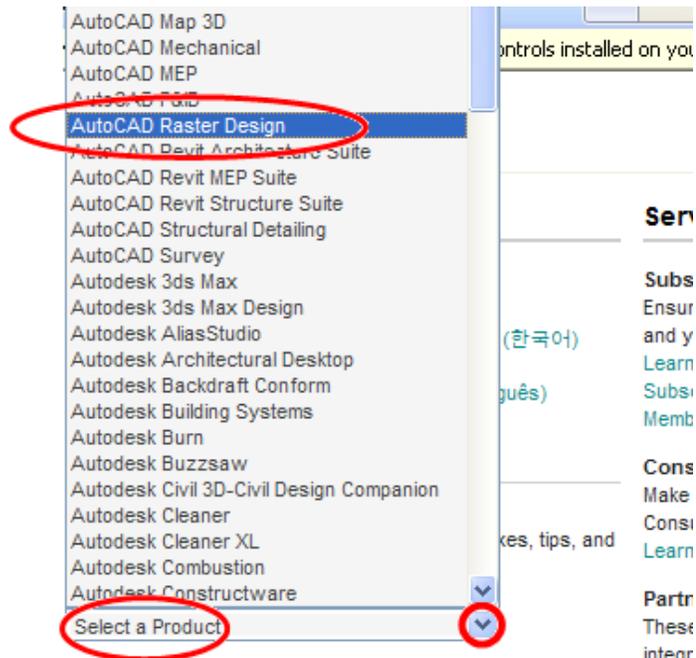


- Go to the 'File' menu dropdown and click **Exit** to close the program (Click **No** when prompted to save the drawing file).



Program Updates

- Check for the latest program updates and service packs at:
<http://usa.autodesk.com/adsk/servlet/ps/dl/index?siteID=123112&id=2334435&linkID=9240978>. (If the hyperlink is outdated go to <http://www.autodesk.com/support> and select support for the 'AutoCAD Raster Design' product [see image below] and navigate to 'Data & Downloads' then 'Updates & Service Packs'.).



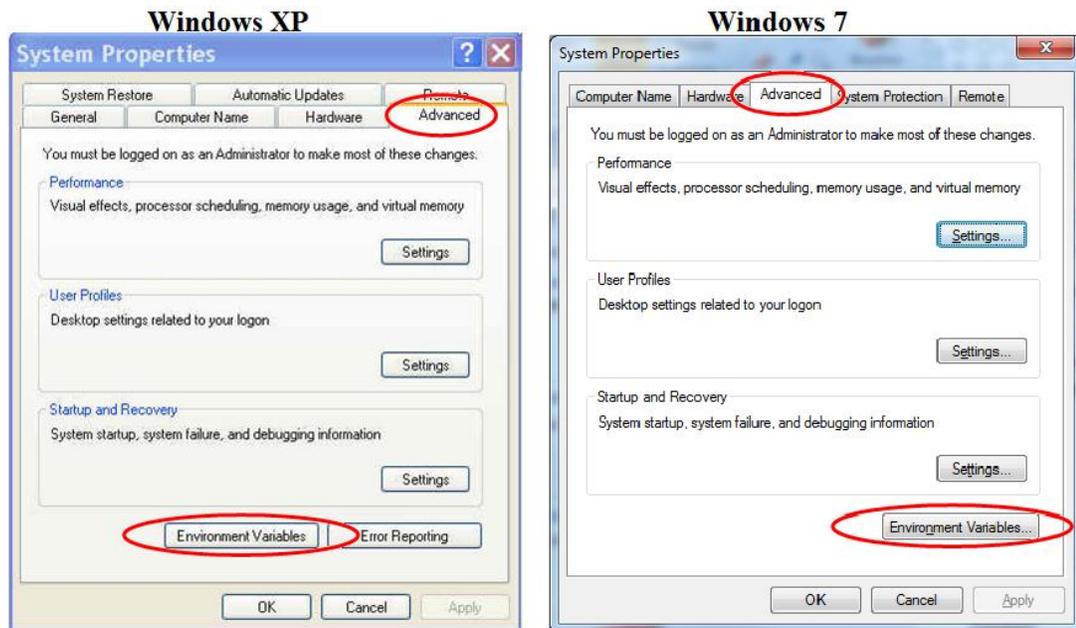
- No updates were available as of 1/20/2011.

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**.



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

