

## TIPS AutoCAD Raster Design 2010 Installation Instructions

### Getting Started

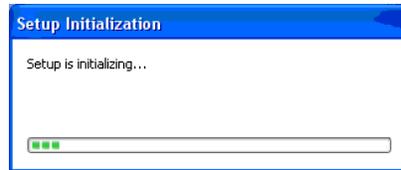
- All TIPS software users must install the latest KeyServer Client (i.e., version 6.1.4.4) on their machine prior to installing new software versions. This is a requirement of the TIPS program to allow for adequate collection of license and server usage statistics.
  - The latest KeyServer Client is available on the TIPS website at [http://www.tips.osmre.gov/tips\\_html/downloads.asp#K2](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 2010 DVD or download from the Autodesk website at <http://usa.autodesk.com/adsk/servlet/index?siteID=123112&id=8449305>.
  - Serial number, Product key, and environment variable information provided with the TIPS distribution.
  - A network shared folder (if creating a network deployment image). This is the location where the deployment (i.e., Microsoft Installer Administrative Image) will be created. It must be a network share with full access privileges. The deployment image will occupy approximately 300 MB of disk space.
  - Approximately 20 minutes to create the deployment image; thereafter, 10 - 15 minutes to install the program on each user machine (including verification of the installation).

### General Overview

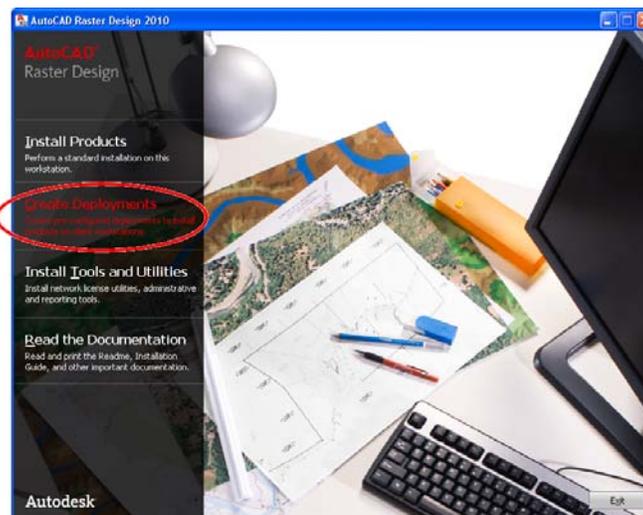
1. Deployment Image (Recommended) - Although AutoCAD Raster Design 2010 can be installed directly on each client (i.e., user) machine, we recommend that a network deployment image be created and used for consistent installation. The deployment image allows you to control what gets installed on the individual workstations, without having to configure each installation separately. Once created, the image can be used for installation on user machines for the life of the software. The deployment installs all files necessary to run the program on each user computer, and no communication with the image is required after the initial installation.
2. 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.
3. All installations must be configured as "Network, Single License Server" license type.
4. The environment variable ADSKFLEX\_LICENSE\_FILE must be set on each user machine according to the documentation provided in the software distribution package. Note that if a previous version of TIPS AutoCAD software was installed, the variable will already be set.
5. Each user should open AutoCAD Raster Design 2010 at least once before installing updates or associated software (e.g., Carlson Mining, etc.).
6. Visit <http://www.autodesk.com/support> to check for current updates and service packs.
7. If you have any questions or difficulties, contact Tom Mastaller at (412) 937-2108 or [TMASTALLER@OSMRE.GOV](mailto:TMASTALLER@OSMRE.GOV); if Tom is unavailable, contact Tonya Mullins at (276) 523-0042 x13 or [TMULLINS@OSMRE.GOV](mailto:TMULLINS@OSMRE.GOV).

## Initialize Installation

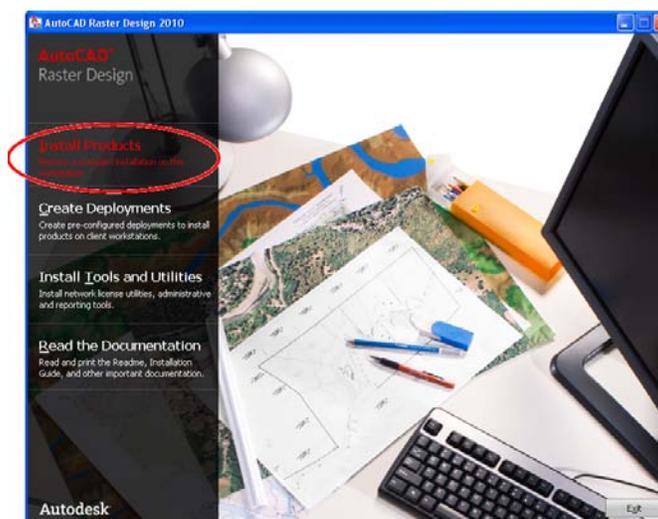
- Browse to the location of the downloaded installation file and double click on it to initialize installation (If you have an installation DVD, insert the appropriate disk labeled AutoCAD Raster Design 2010 [If the setup does not start automatically, browse to <DVD DRIVE>:\setup.exe to initialize]).



- **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 client (i.e., user) machines over the life of the software version. Continue with **Create a Network Deployment Image** on page 3, below.

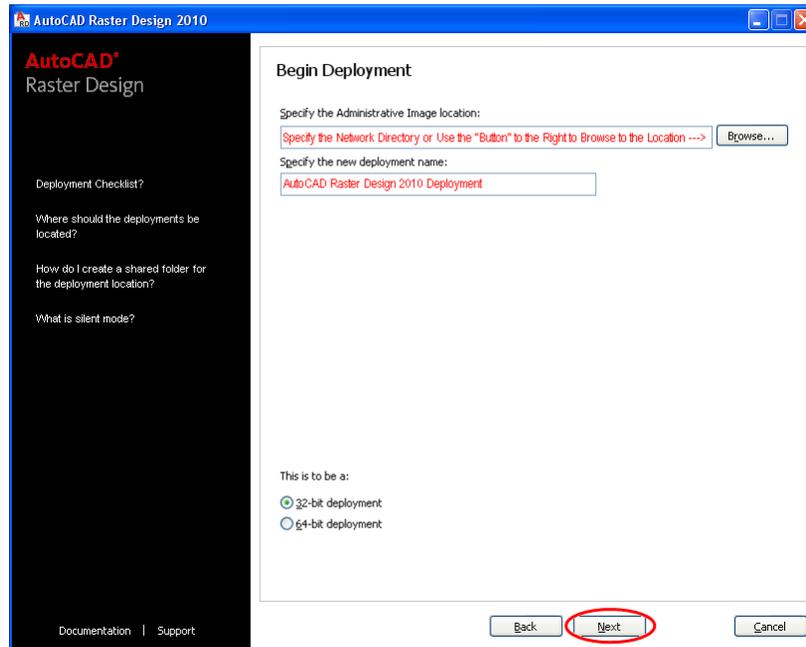


- **Optional Installation:** Click **Install Products**. This will initiate direct installation of the software on the current user machine; installation configuration will have to be repeated for each user.

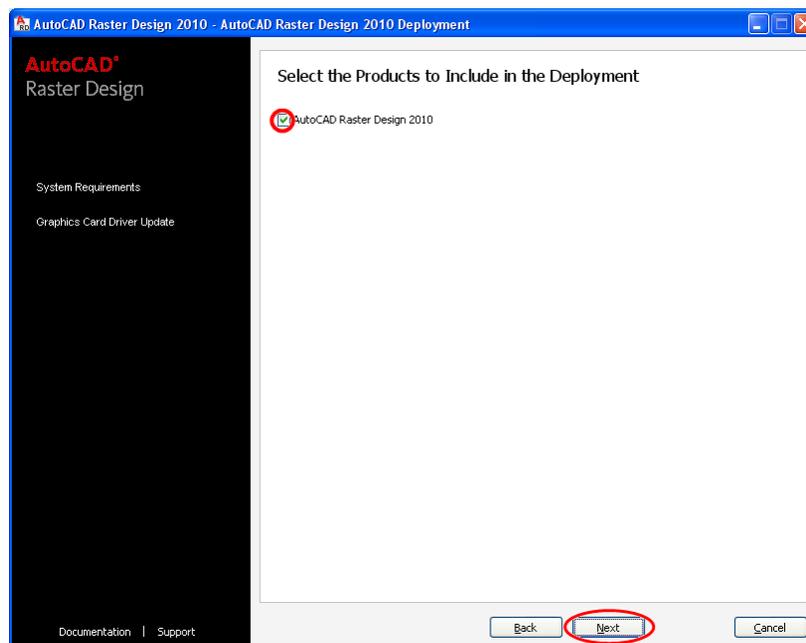


## Create a Network Deployment Image

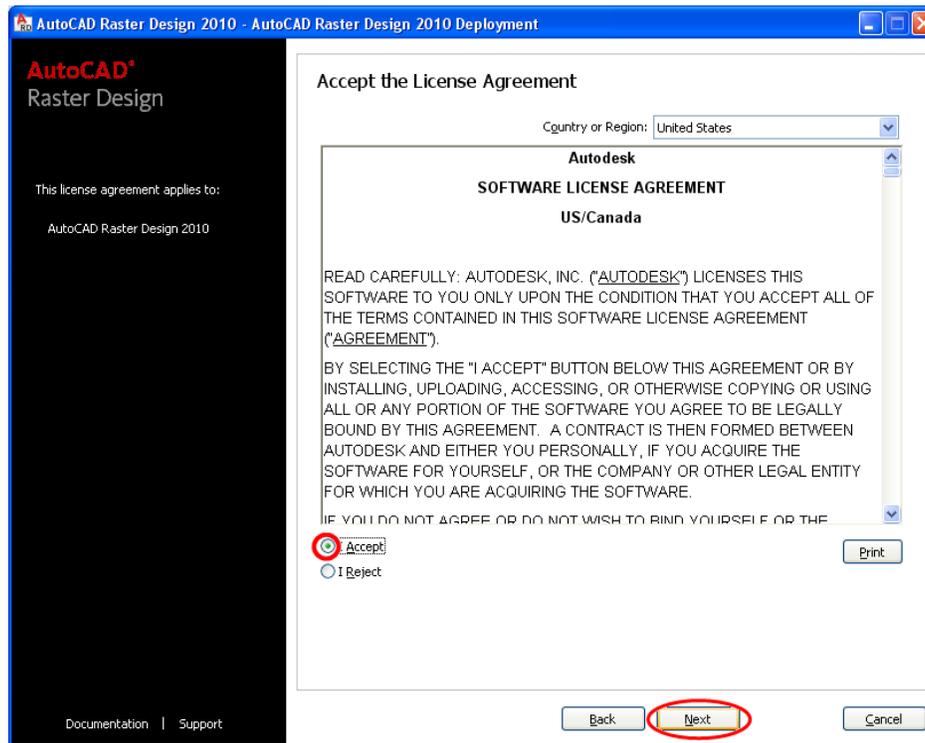
- Specify (or “Browse” to select) a Network Directory location where the deployment image is to be created and later accessed for installation on user computers.
- Specify a name for the deployment (e.g., AutoCAD Raster Design 2010 Deployment). This names the associated program shortcut for the deployment.
- Click **Next**.
- Note: This window is not applicable if using the direct install option Proceed to next step.



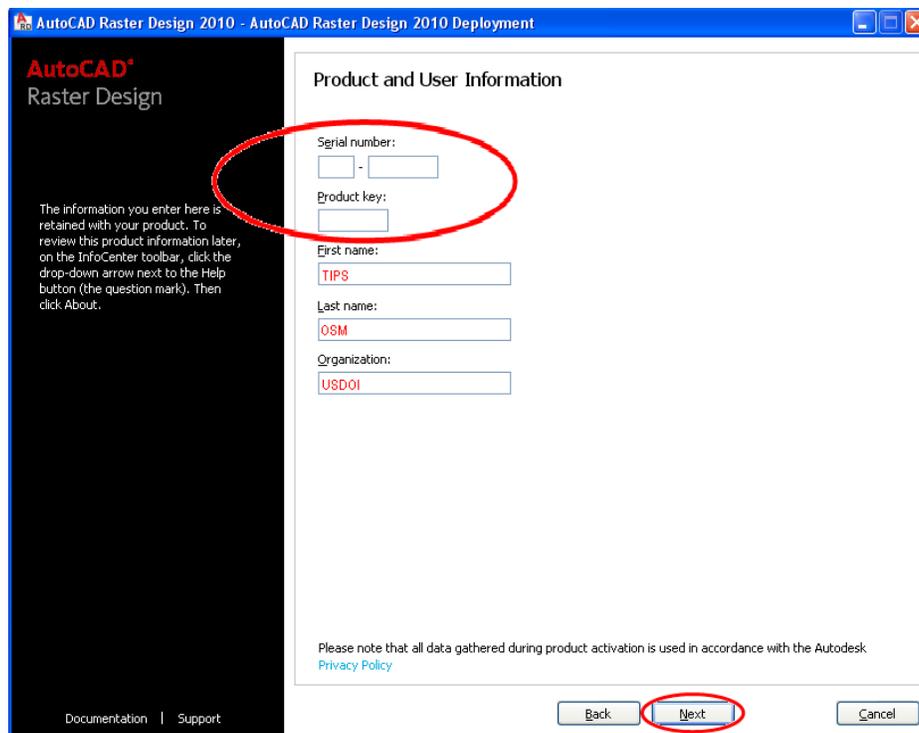
- Check the box next to ‘AutoCAD Raster Design 2010’ to include it in the deployment. The program requires approximately 311 MB of disk space on user computers, depending on configuration options.
- Click **Next** to continue.



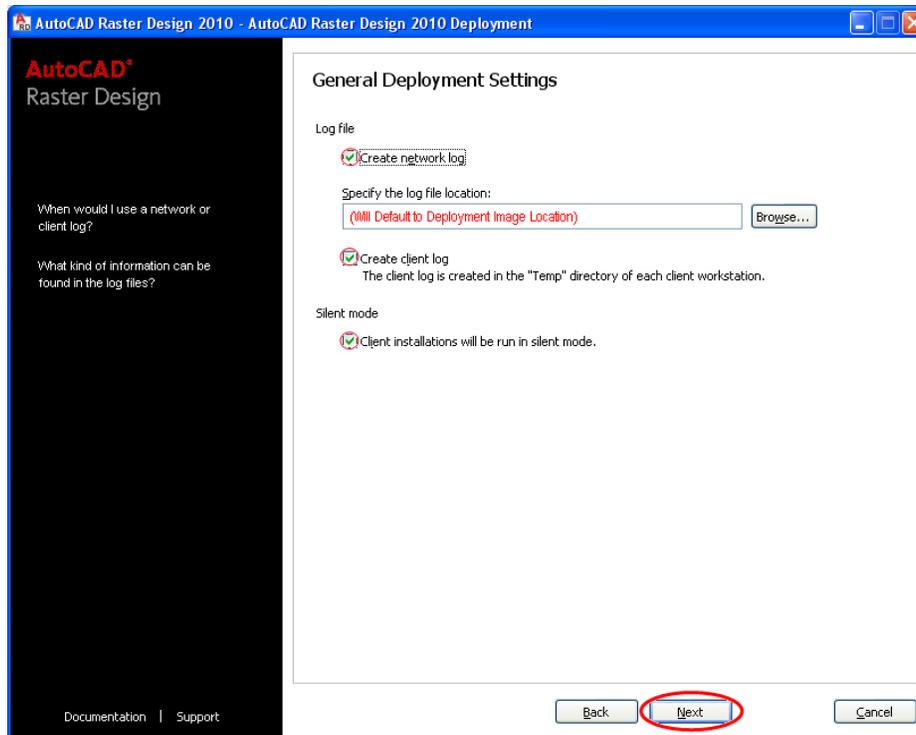
- Review the license agreement and select (i.e., click in the circle next to) “I Accept” if acceptable.
- Click **Next** to continue.



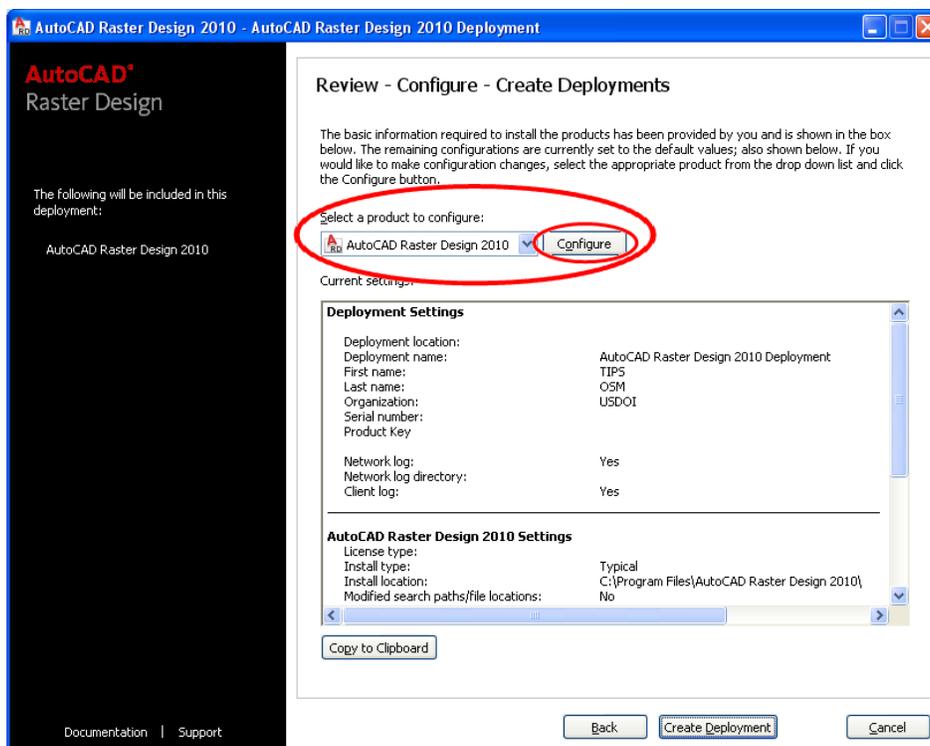
- Enter the Serial number and Product key provided with the software distribution.
- Enter ‘TIPS’ as the First name; ‘OSM’ as the Last name; and, ‘USDOJ’ as the Organization to identify the installation as a TIPS product.
- Click **Next** to continue.



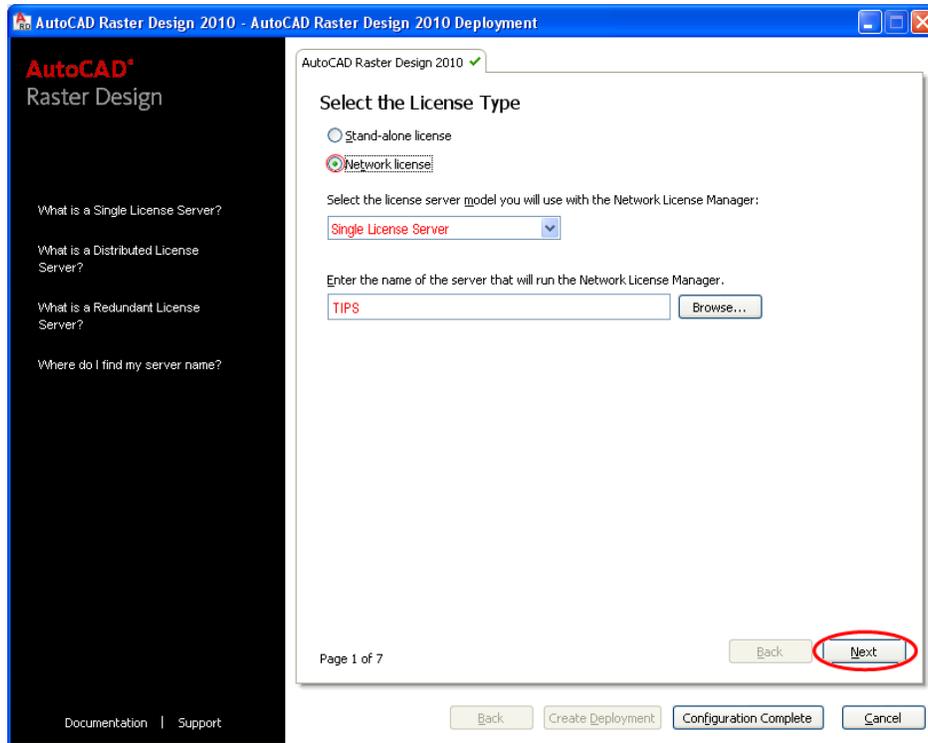
- Select the desired options for Log file and Silent mode installation. The default options (as shown) are acceptable.
- Click **Next** to continue.
- Note: This window is not applicable if using the direct install option. Proceed to next step.



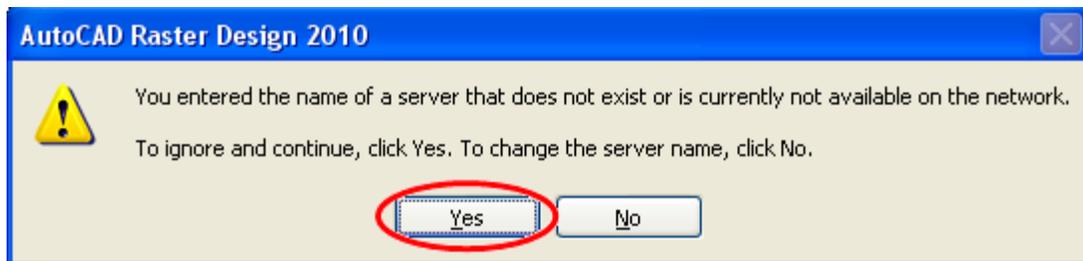
- Verify / select 'AutoCAD Raster Design 2010' as the product to be configured.
- Click **Configure** to proceed.



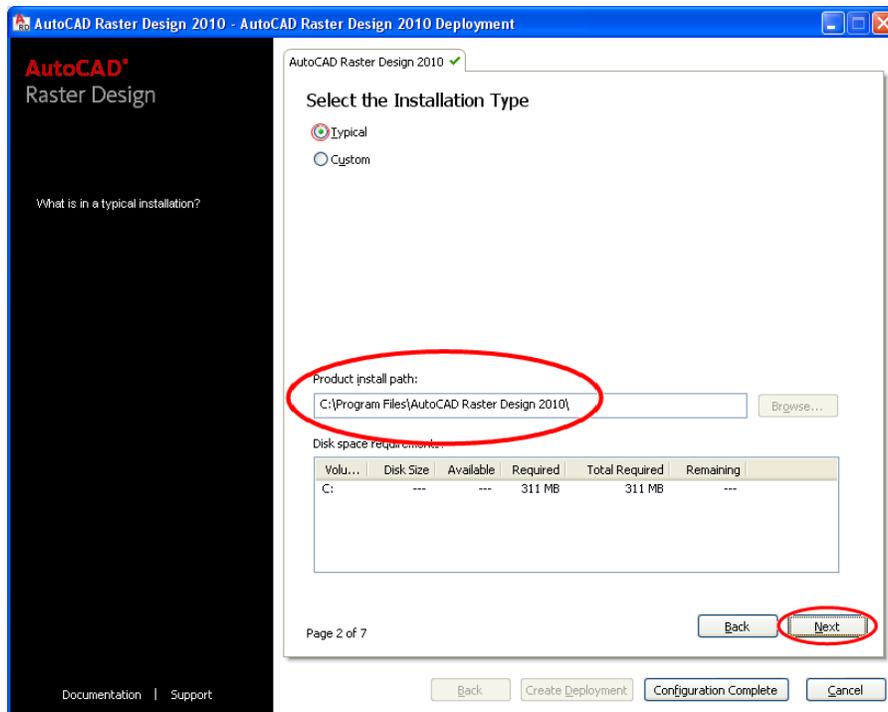
- Click the circle next to 'Network license'.
- Select the license server model 'Single License Server'.
- Enter 'TIPS' as the name of the license server.
- Click **Next** to continue.



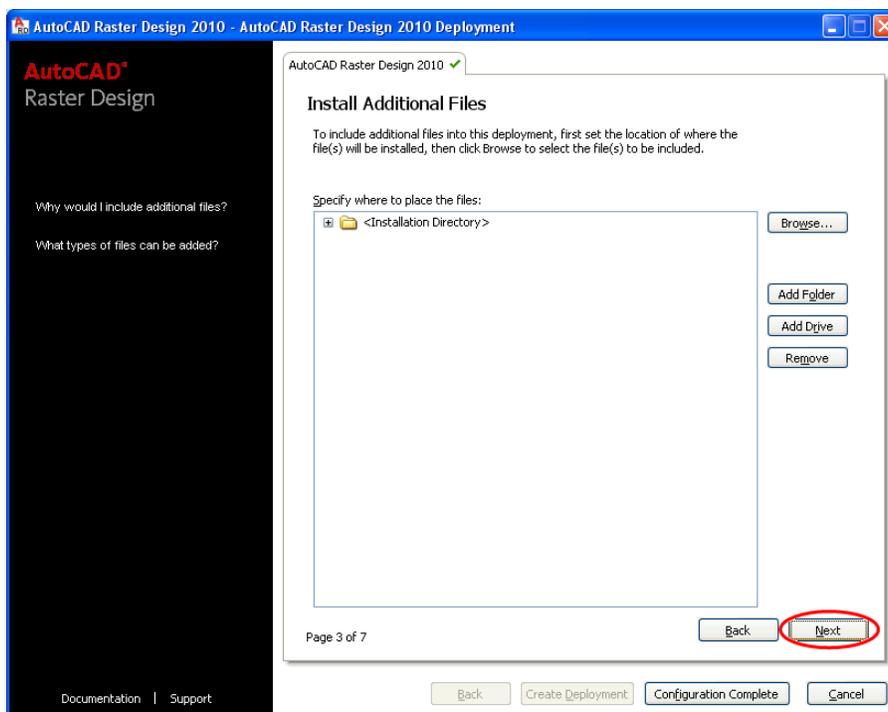
- You will get a warning that the server does not exist.
- Click **Yes** to ignore the warning and continue.



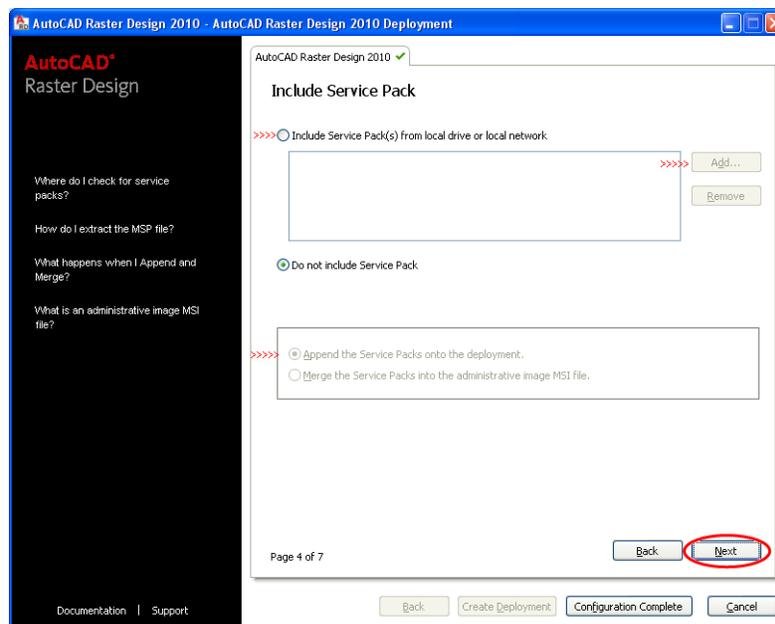
- Verify / select 'Typical' as the installation type.
- Verify the install path. The default 'C:\Program Files\AutoCAD Raster Design 2010\' is recommended.
- If using the direct install option, there will also be a choice to create a desktop shortcut.
- Click **Next** to continue (If using the direct install option, continue to page 8.).



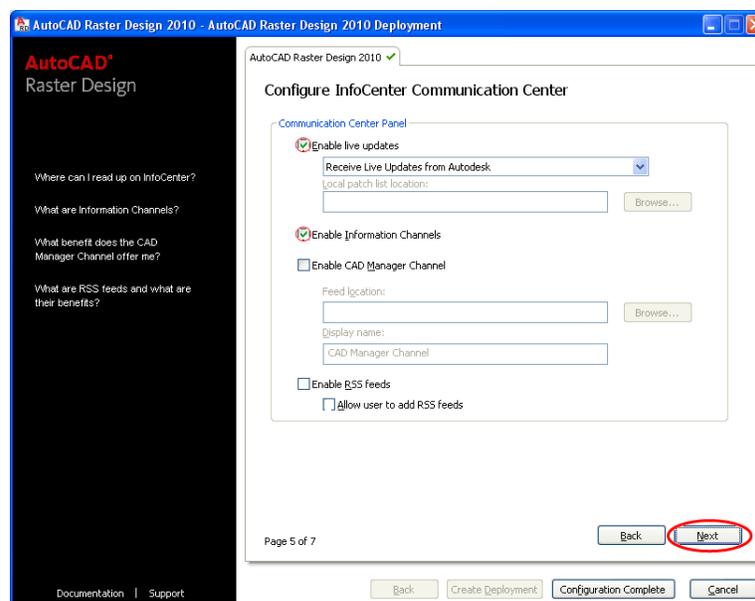
- This window allows for including additional files / folders as part of the deployment.
- Click **Next** to continue.



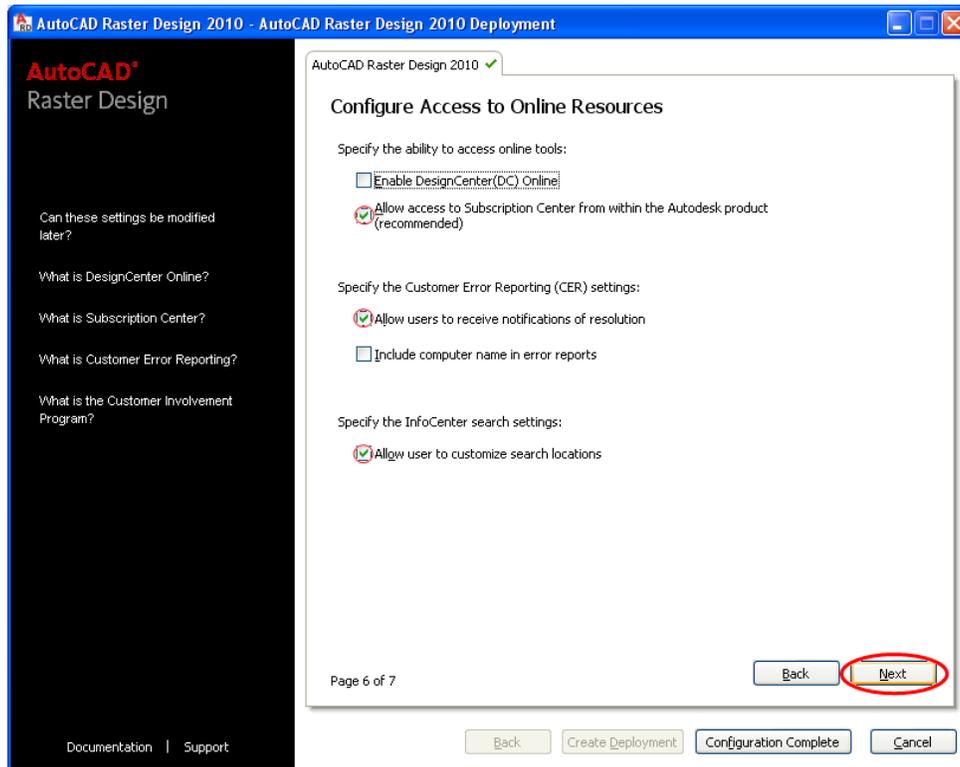
- This window allows the inclusion of Service Packs as part of the deployment; none were available at the time that these instructions were created.
- If a Service Pack is available, we recommend including it in the installation/deployment administrative image (Select/check 'Include Service Pack(s) from 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.



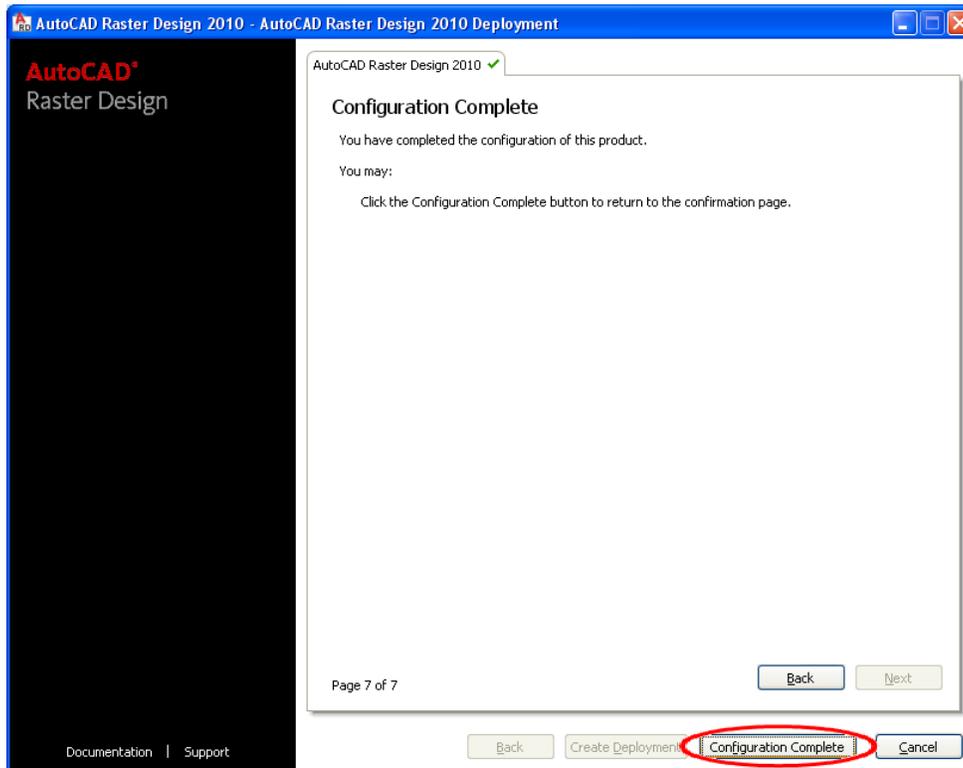
- It is recommended that 'Enable live updates' and 'Enable Information Channels' are selected; this ensures that users are made aware of program updates and issues.
- 'Enable CAD Manager Channel' and 'Enable RSS feeds' are not necessary / recommended for the typical TIPS user.
- Click **Next** to continue.



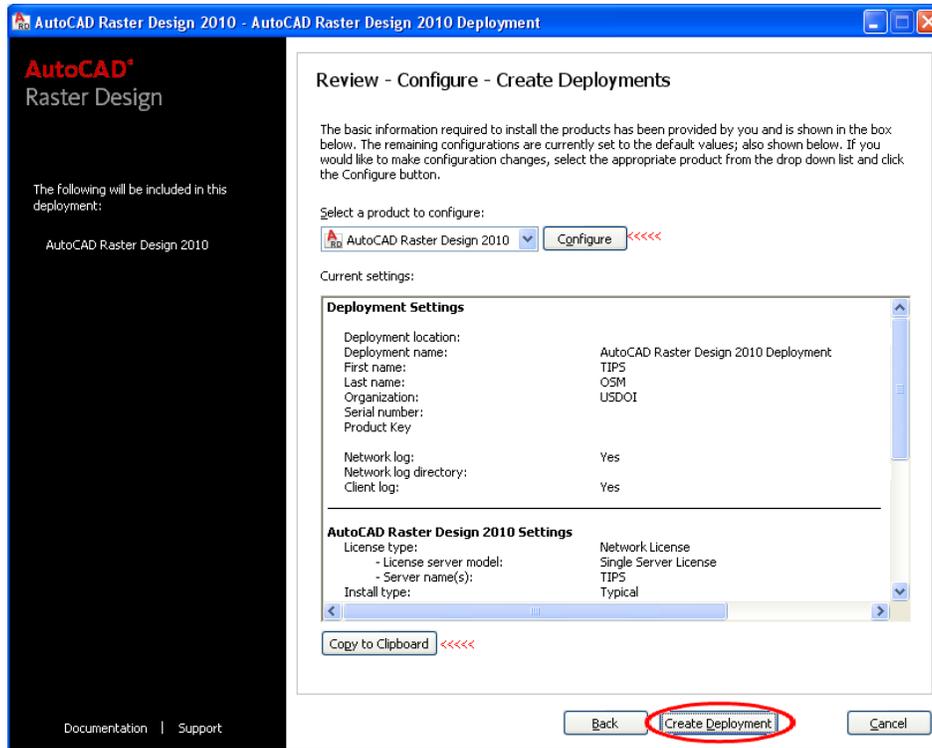
- Configuration defaults (as shown) are recommended for Access to Online Resources.
- Click **Next** to continue.



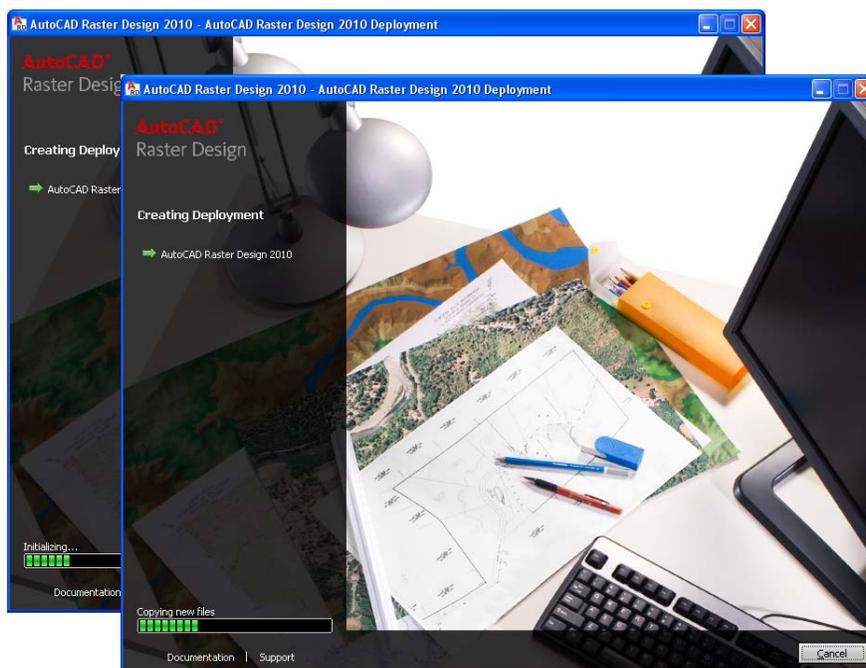
- This completes the configuration for AutoCAD Raster Design 2010.
- Click **Configuration Complete** to continue.



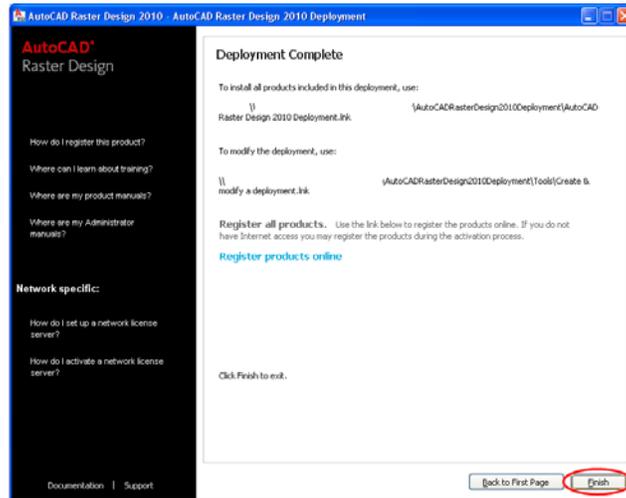
- Review the settings to ensure that the configuration is as intended; you can revise the settings if necessary by clicking on ‘Configure.’ If desired, you can also ‘Copy to Clipboard’ and paste to a text editor to save the settings for your records.
- If settings are correct, click **Create Deployment**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

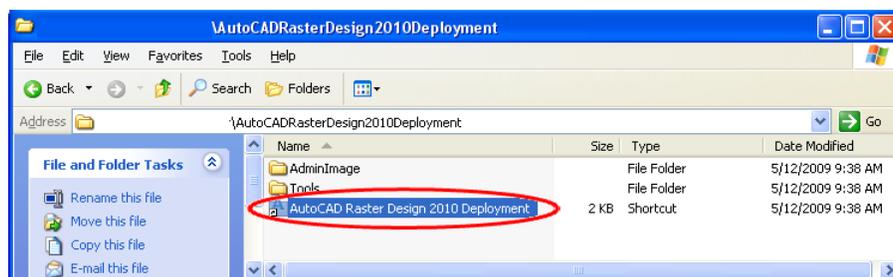


- When the process has completed, note the links for product installation and deployment modification shown on the summary window.
- Click **Finish** to complete the process and exit.

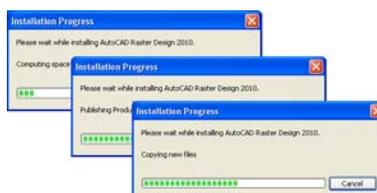


## Install AutoCAD Raster Design 2010 on Client Machines

- 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).
- Double click 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 network directory where the deployment was created is referenced by the shortcut 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.



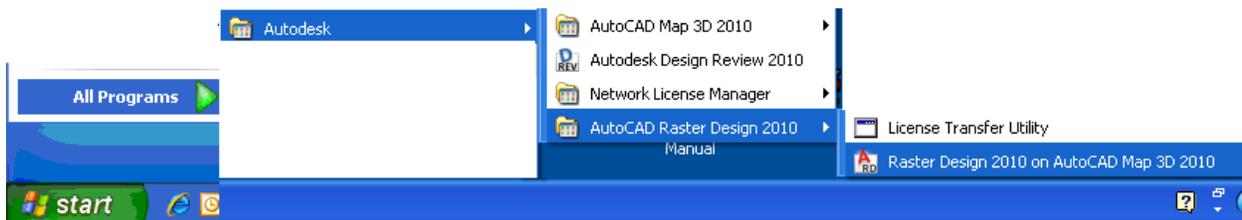
- Note that the status window will simply close (i.e., disappear) when installation is complete. There will not be a “notice” that the installation was successful.

## Verify Installation / Network Licensing

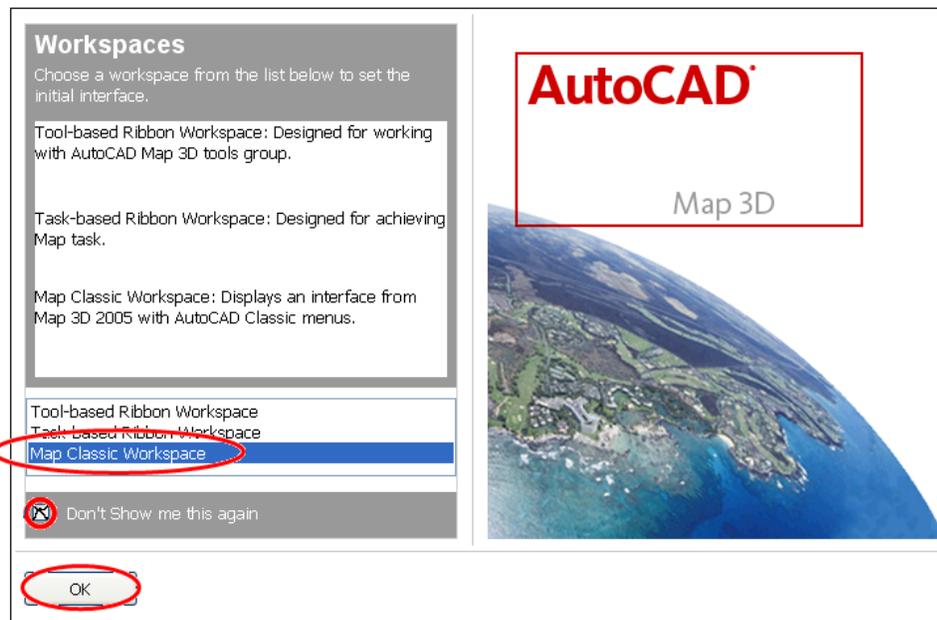
- Have the user login and launch AutoCAD Raster Design 2010 from desktop shortcut or the Start Menu.



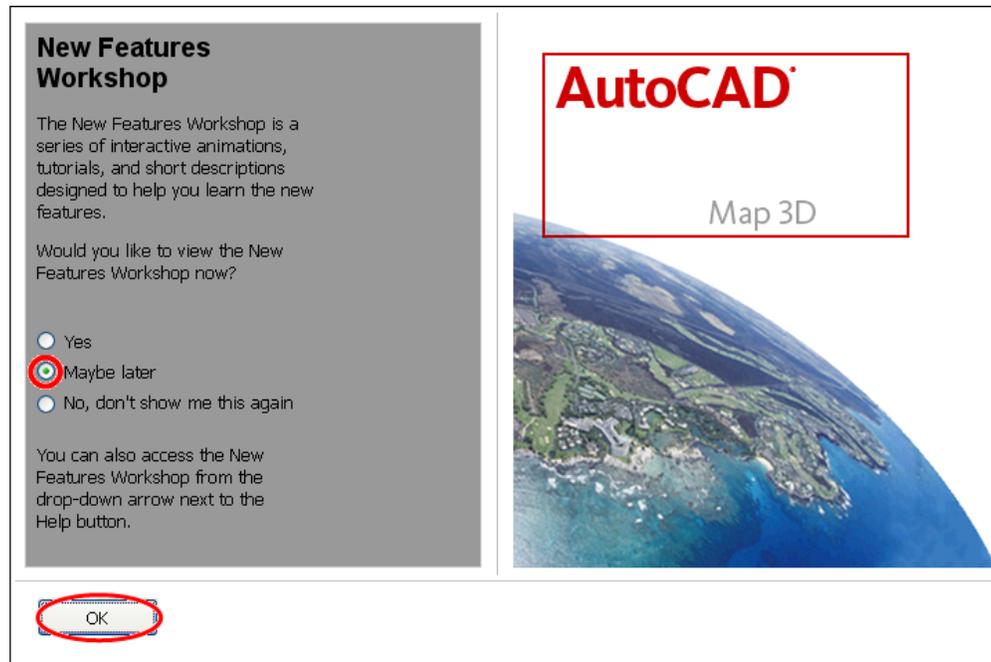
OR



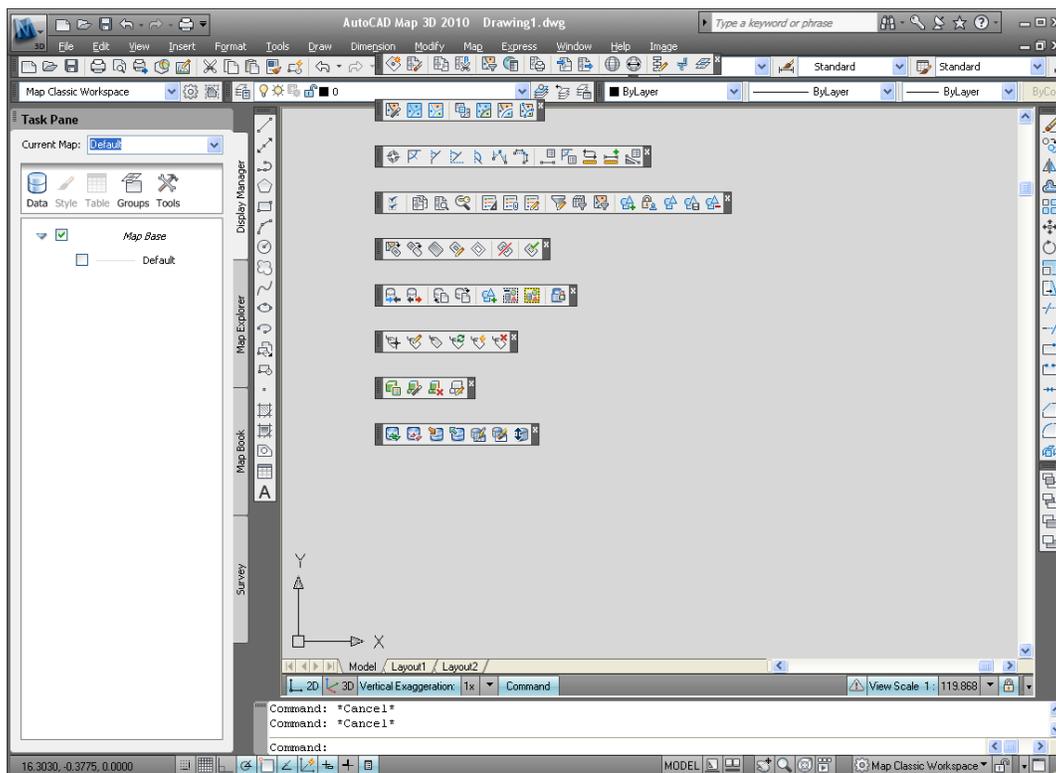
- Scroll to and select 'Map Classic' as the default workspace.
- Check the box next to 'Don't Show me this again.'
- Click **OK** to continue.



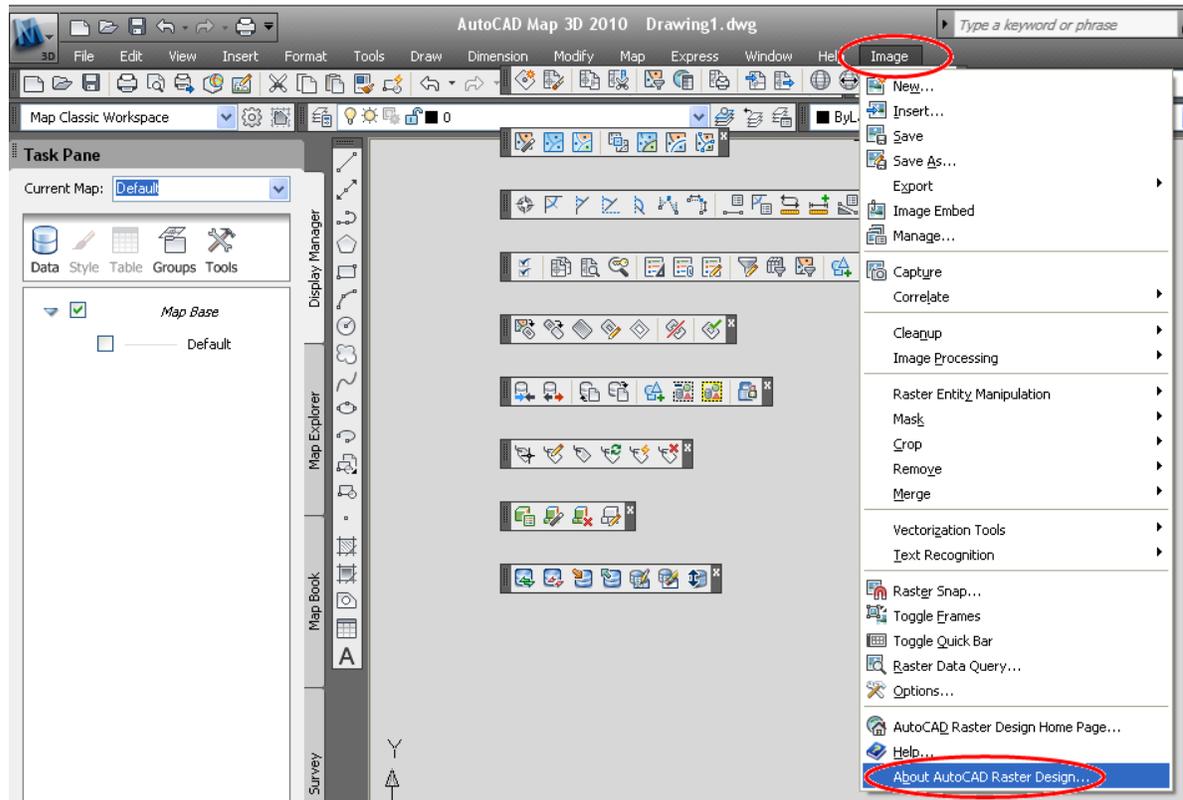
- Select the circle next to 'Maybe later' to enable the user to be reminded of the New Features Workshop on the next program launch (The New Features Workshop can also be accessed at any time from the program 'Help' menu.).
- If the 'New Features Workshop' window does not appear, it may have been turned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



- The program should open as shown below...



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



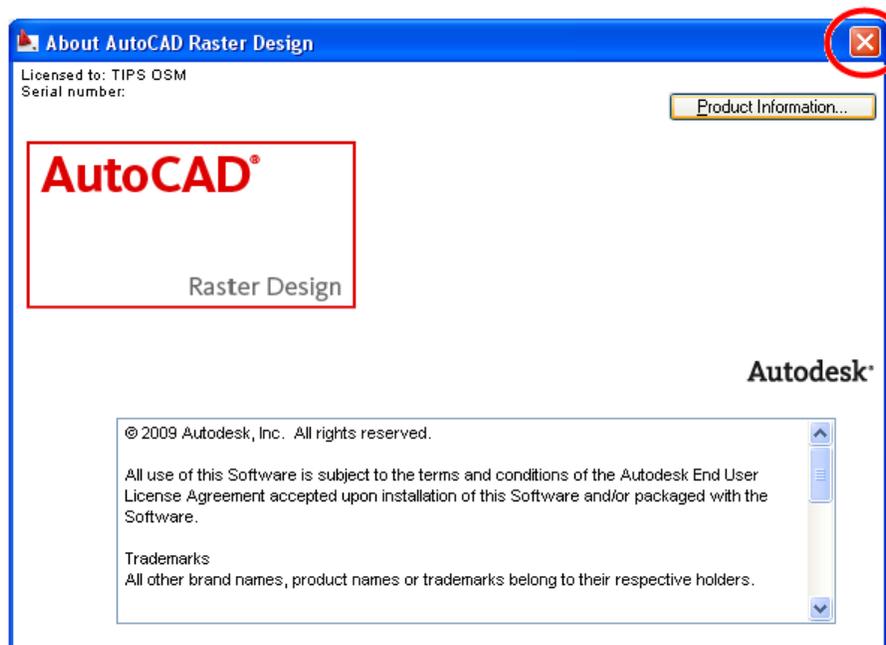
- Click on the **Product Information** button.



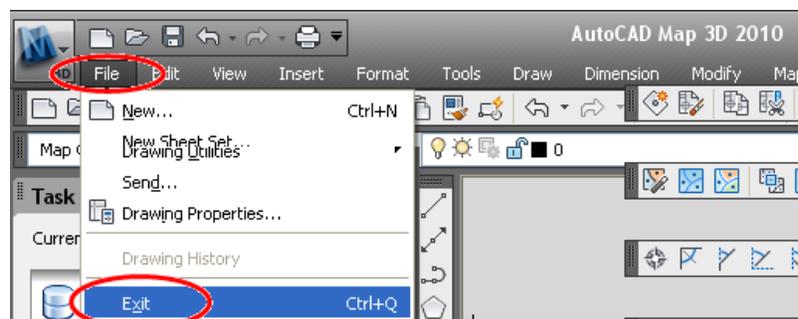
- Verify that the value for 'License type' is 'Network'. If the value is anything else, the installation did not perform properly and the licensing is not valid.
- After verifying the settings, click **Close**.



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

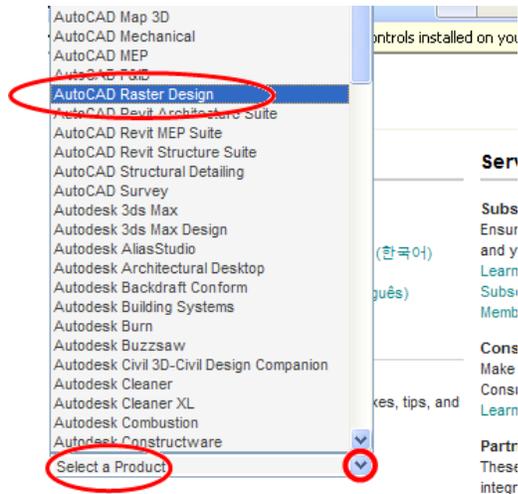


- Go to the 'File' menu dropdown and click **Exit** to close the program.



## 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'.).

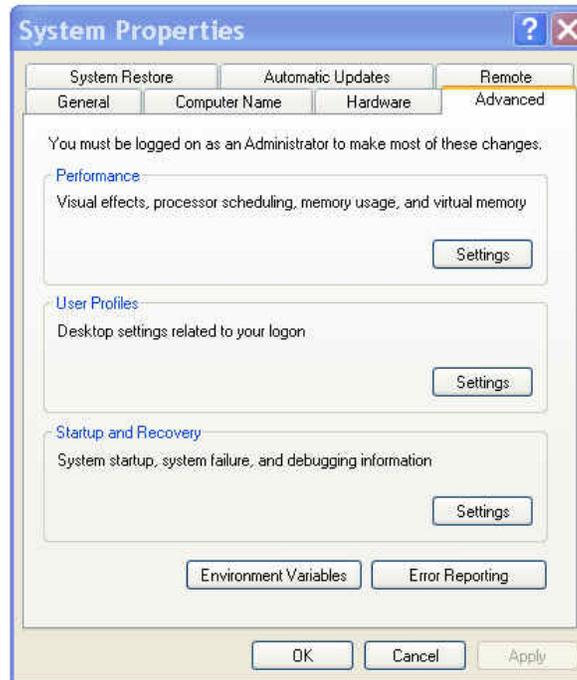


- Potential Updates as of 9/1/2009:
  - AutoCAD Raster Design 2010 Hotfix for Licensing and Civil 3D Feature Update
  - Applicable only if installing the network license version of Raster Design onto a computer with a standalone license of AutoCAD / AutoCAD Map 3D.
  - Download from Autodesk website, above.

## Checking and/or modifying your computer's environment variables (for Windows):

Occasionally, the environment variables are not set correctly to allow AutoCAD to obtain a license from the TIPS license server. Please check to see that your variables are set correctly following these steps. The variable information is contained within the software distribution letter mailed to your TIPS contact.

1. Go to the Start Menu -> Control Panel -> System. The following dialog should appear (select the "Advanced" tab, as shown)



2. Click on the “Environment Variables” button near the bottom. In the lower half of this dialog box is the area where you can add new variables (which should be done during installation), or modify the existing ones (if you are having problems).

If you have any installation or update questions or difficulties, contact Tom Mastaller at (412) 937-2108 or [TMASTALLER@OSMRE.GOV](mailto:TMASTALLER@OSMRE.GOV); if Tom is unavailable, contact Tonya Mullins at (276) 523-0042 x13 or [TMULLINS@OSMRE.GOV](mailto:TMULLINS@OSMRE.GOV).