

TIPS AutoCAD Map 3D 2010 Installation Instructions

Getting Started

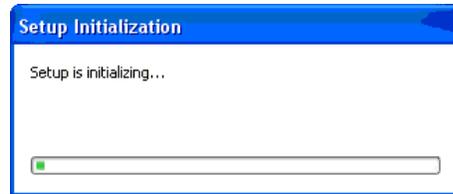
- All TIPS software users must install the latest KeyServer Client (i.e., version 6.1.4.4) on their machine prior to installing new software versions. This is a requirement of the TIPS program to allow for adequate collection of license and server usage statistics.
 - The latest KeyServer Client is available on the TIPS website at http://www.tips.osmre.gov/tips_html/downloads.asp#K2.
- Before starting the AutoCAD Map 3D installation process, you will need the following:
 - AutoCAD Map 3D 2010 DVD or download / order from the Autodesk website at <http://usa.autodesk.com/adsk/servlet/index?siteID=123112&id=9980132>.
 - 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 2 GB of disk space.
 - Approximately 45 minutes to create the deployment image; thereafter, 20 – 30 minutes to install the program on each user machine (including verification of the installation).

General Overview

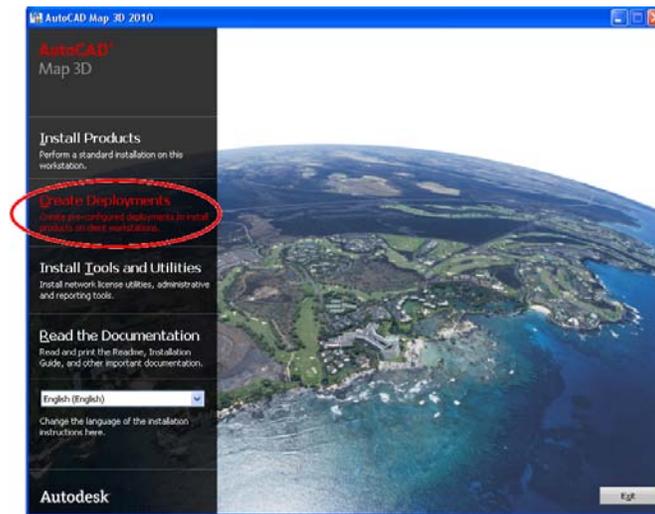
- Deployment Image (Recommended) - Although AutoCAD Map 3D 2010 can be installed directly on each client (i.e., user) machine, we recommend that a network deployment image be created and used for consistent installation. The deployment image allows you to control what gets installed on the individual 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.
- 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 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.
- 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.
- Each user should open AutoCAD Map 3D 2010 at least once before installing any updates or associated software (e.g., AutoCAD Raster Design, Carlson Mining, etc.).
- 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.

Initialize Installation

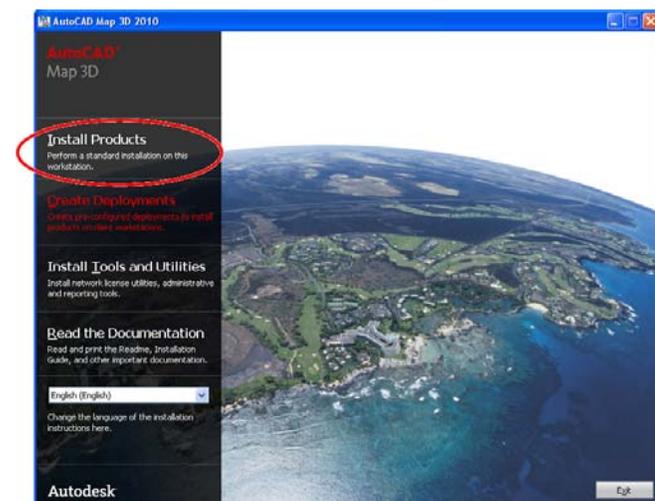
- Browse to the location of the downloaded installation file and double click on it to initialize installation (If you have an installation DVD, insert the appropriate disk labeled AutoCAD Map 3D 2010 [If the setup does not start automatically, browse to <DVD DRIVE>:\setup.exe to initialize]).



- **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.

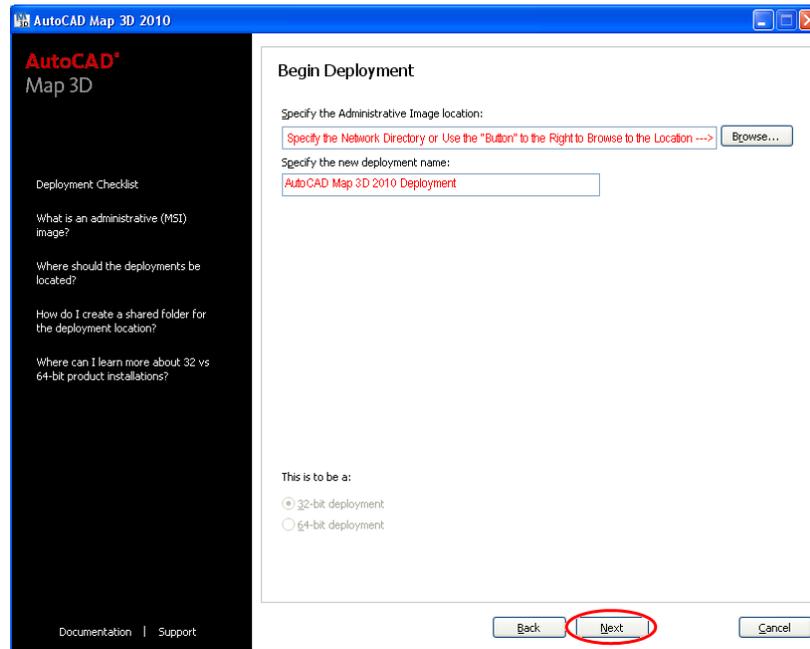


- **Optional Installation:** Click **Install Products**. This will initiate direct installation of the software on the current user machine; installation configuration will have to be repeated for each user.

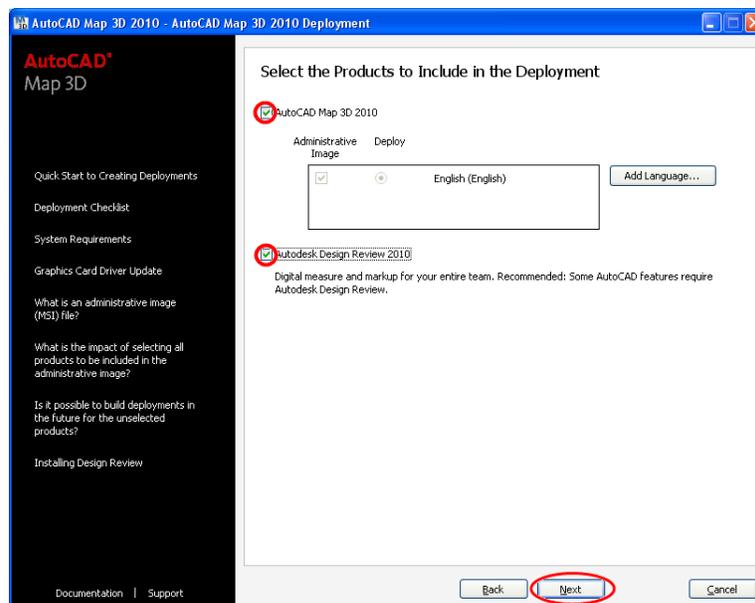


Create a Network Deployment Image

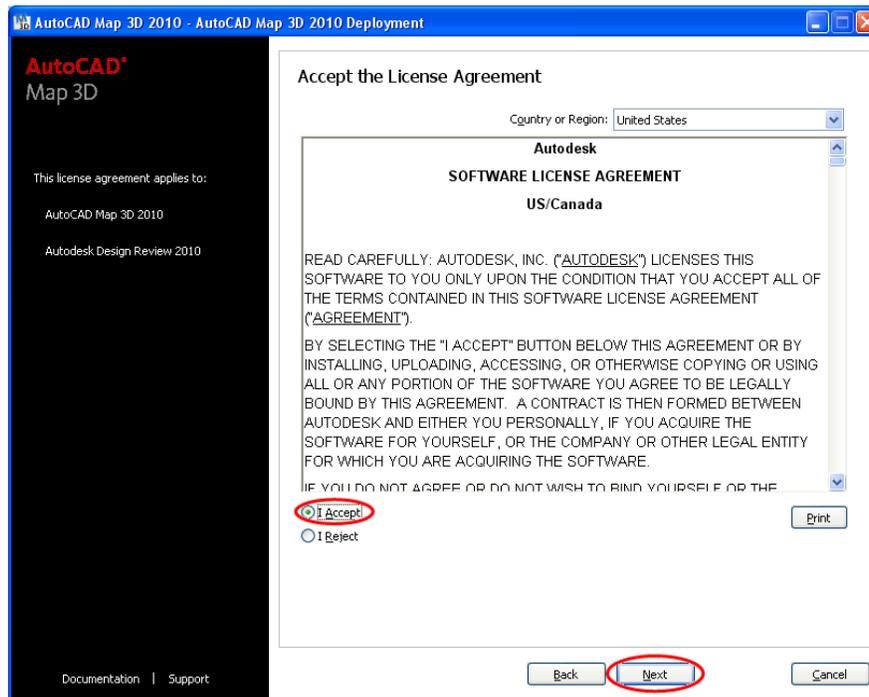
- Specify (or “Browse” to select) a Network Directory location where the deployment image is to be created and later accessed for installation on user computers.
- Specify a name for the deployment (e.g., AutoCAD Map 3D 2010 Deployment). This names the associated program shortcut for the deployment.
- Click **Next**.
- Note: This window is not applicable if using the direct install option.



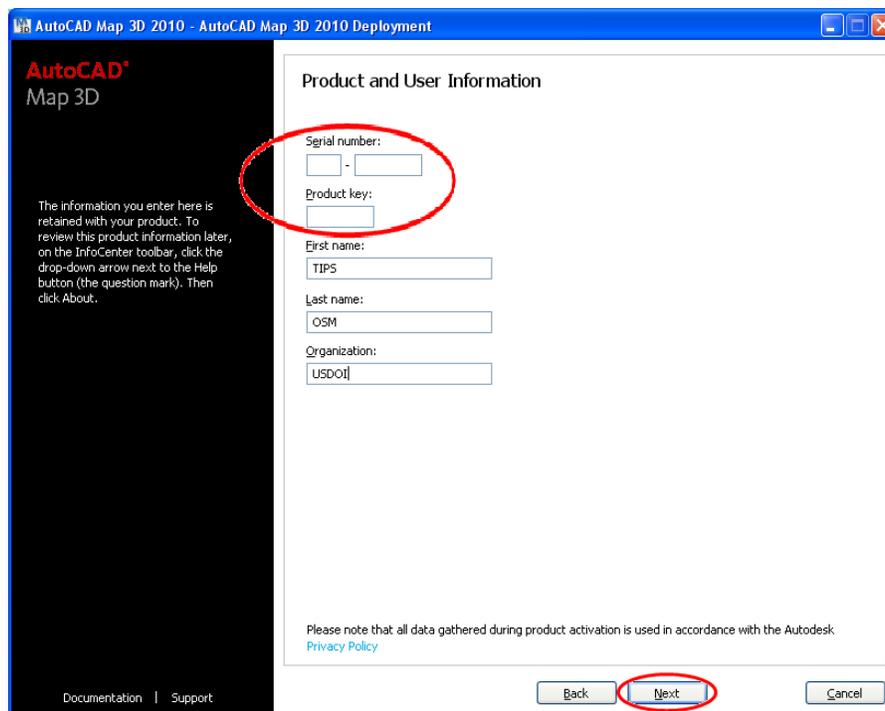
- Check the box next to ‘AutoCAD Map 3D 2010’ to include it in the deployment. The program requires between 1.52 and 1.69 GB of disk space on user computers, depending on configuration options.
- *Optional:* Check the box next to ‘Autodesk Design Review 2010’ to include it in the deployment; this requires an additional 113 MB of disk space.
- Click **Next** to continue.



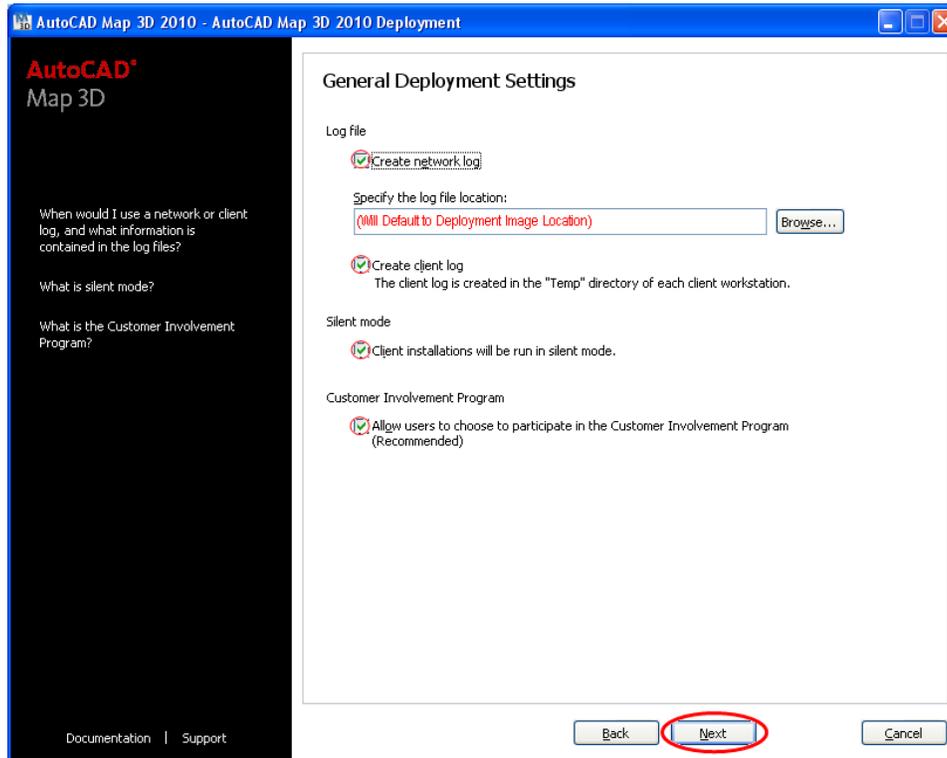
- Review the license agreement and select (i.e., click in the circle next to) “I Accept” if acceptable.
- Click **Next** to continue.



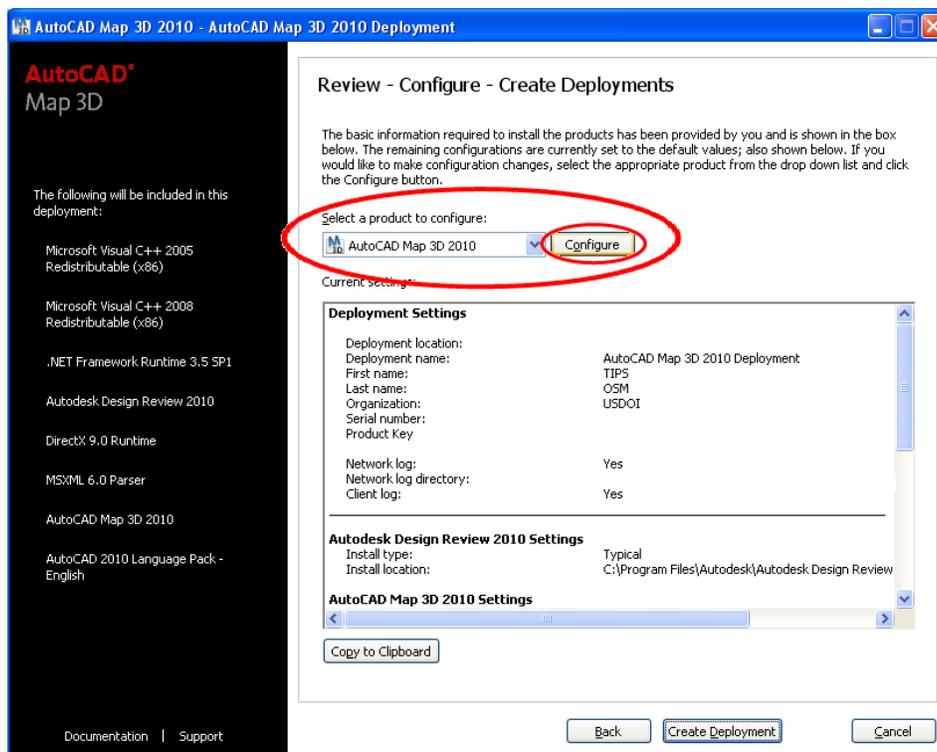
- Enter the Serial number and Product key provided with the software distribution.
- Enter ‘TIPS’ as the First name; ‘OSM’ as the Last name; and, ‘USDOJ’ as the Organization to identify the installation as a TIPS product.
- Click **Next** to continue.



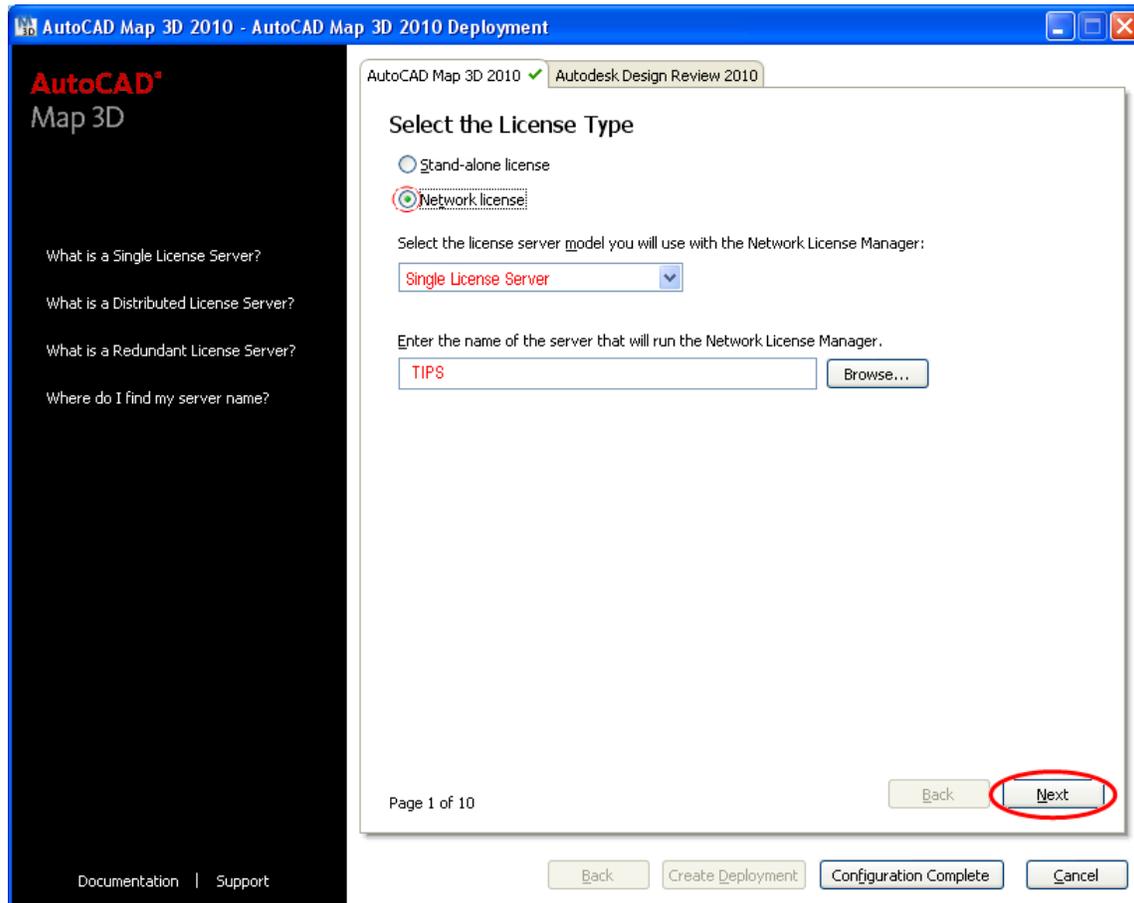
- Select the desired options for Log file, Silent mode installation, and Customer Involvement Program. The default options (as shown) are acceptable.
- Click **Next** to continue.
- Note: This window is not applicable if using the direct install option.



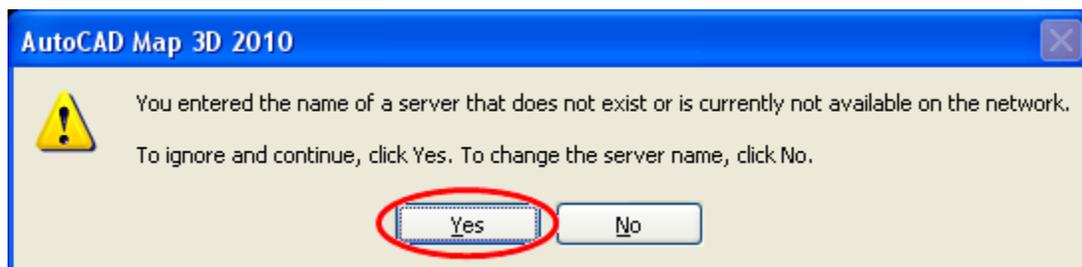
- Verify / select 'AutoCAD Map 3D 2010' as the product to be configured.
- Click **Configure** to proceed.



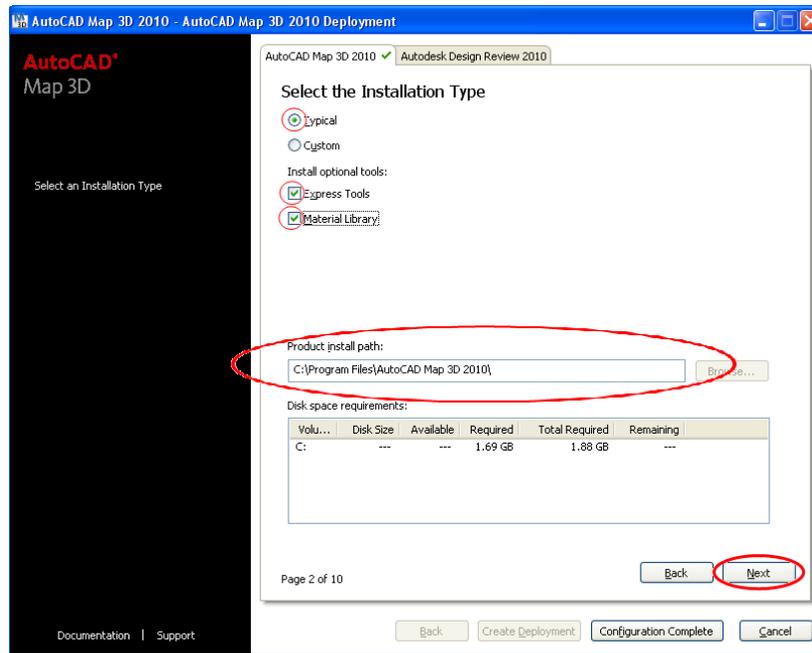
- Click the circle next to 'Network license'.
- Select the license server model 'Single License Server'.
- Enter 'TIPS' as the name of the license server.
- Click **Next** to continue.



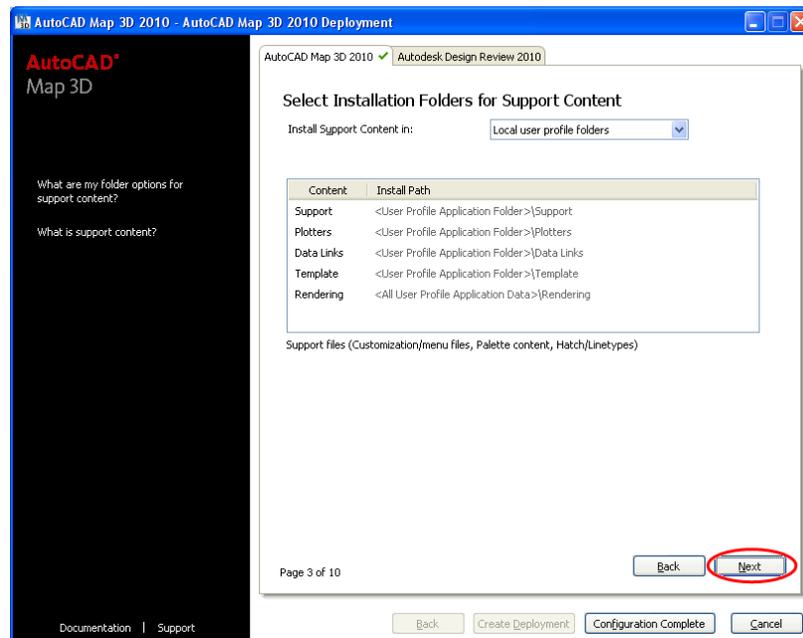
- You will get a warning that the server does not exist.
- Click **Yes** to ignore the warning and continue.



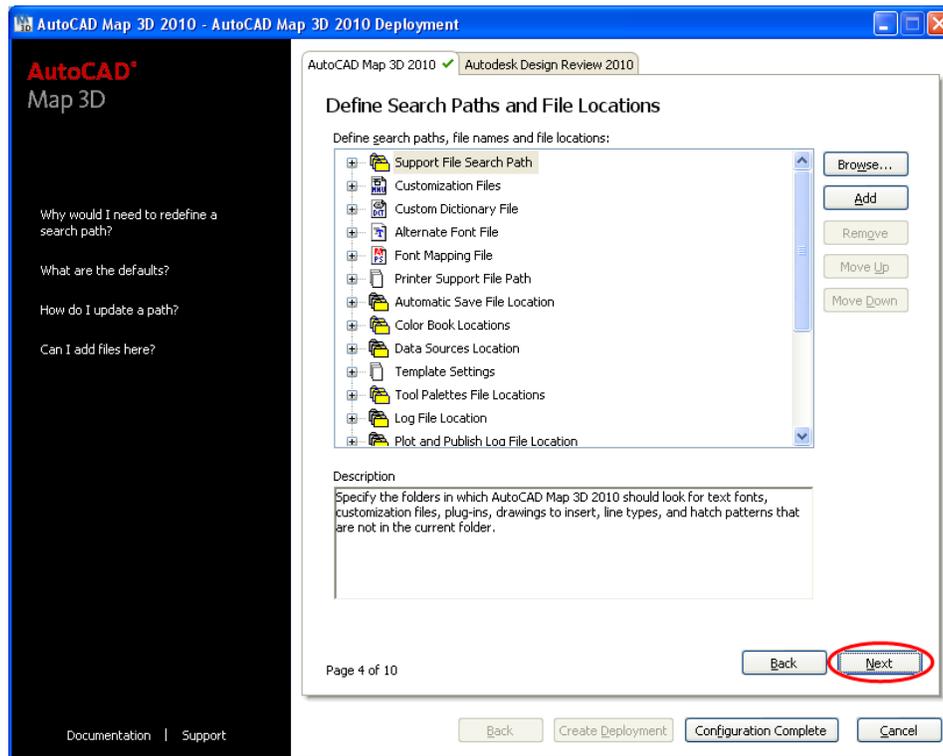
- Verify / select 'Typical' as the installation type and 'Express Tools' as an option.
- We also recommend installing the 'Materials Library.' This feature requires approximately 180 MB of the 1.69 GB of disk space indicated in the screen capture below.
- Verify the install path. The default 'C:\Program Files\AutoCAD Map 3D 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 the bottom section of page 9.).



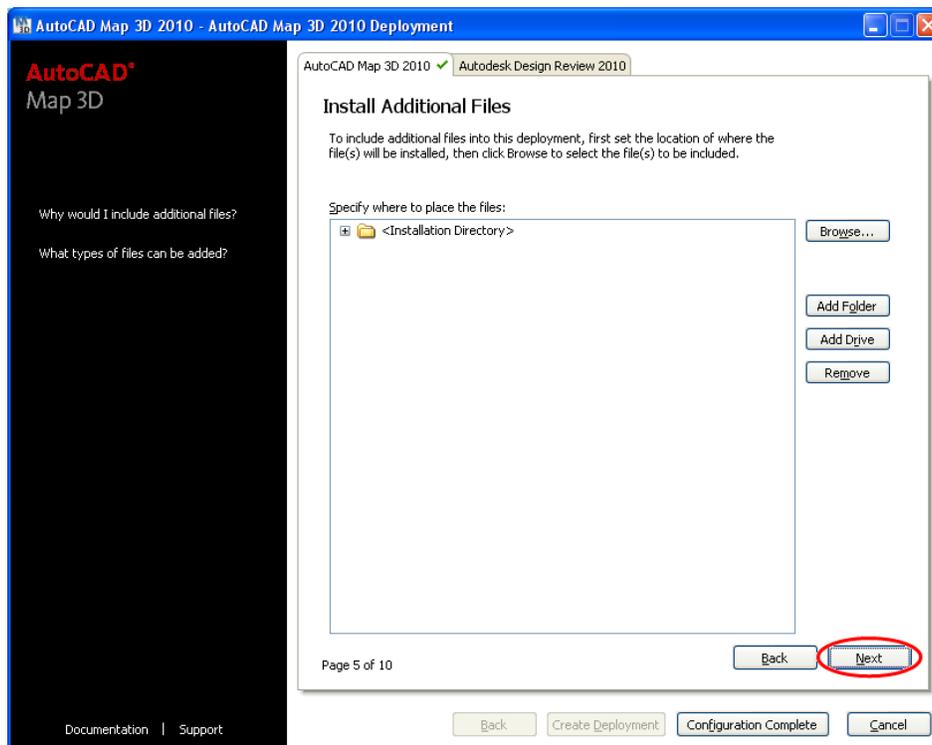
- This window allows for customization of installation folders for support content. The default 'Local user profile folders' is recommended.
- Click **Next** to continue.



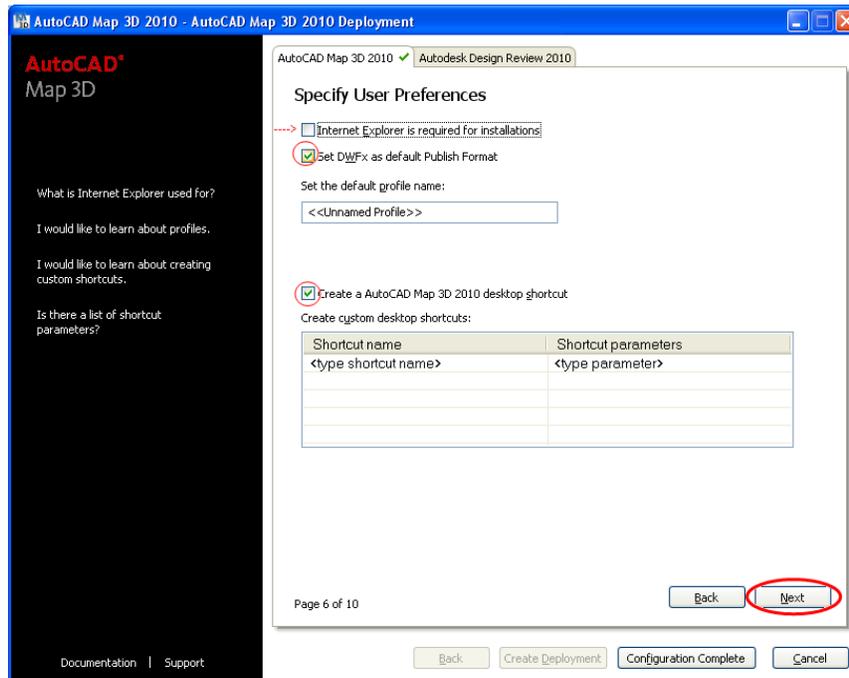
- This window allows for customization of various search paths and file locations. The defaults are suitable for most users.
- Click **Next** to continue.



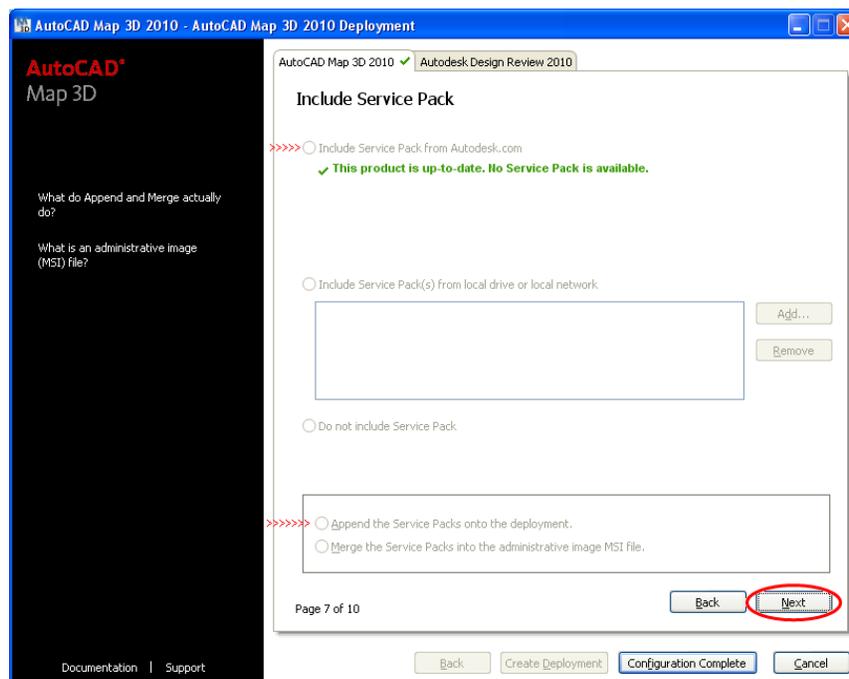
- This window allows for including additional files / folders as part of the deployment.
- Click **Next** to continue.



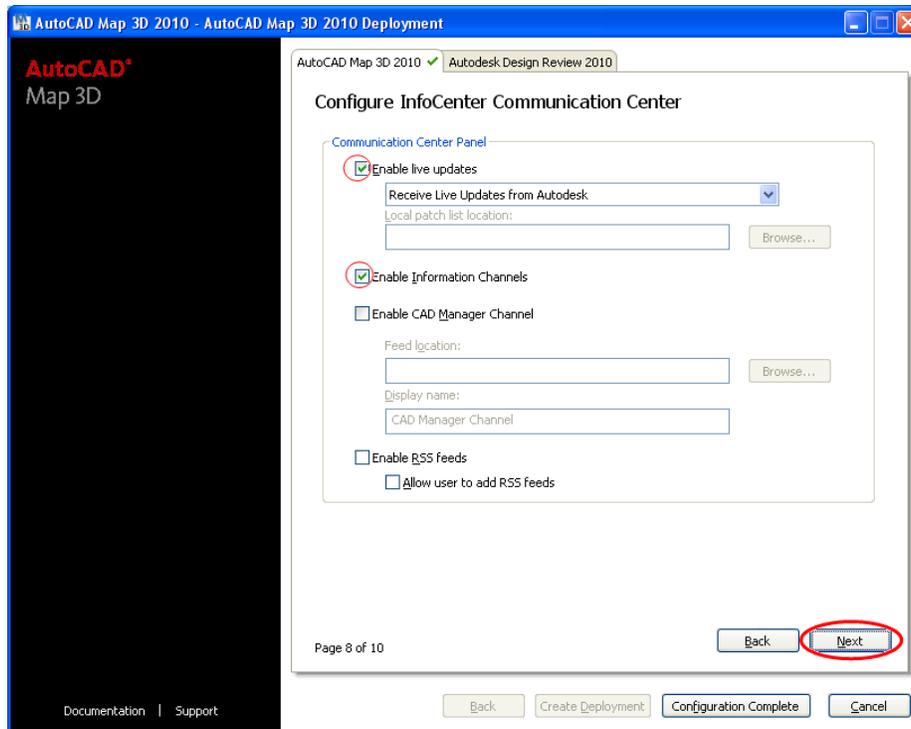
- Un-check / deselect the box next to 'Internet Explorer is required for installations.'
- The remaining default selections are acceptable and recommended.
- Click **Next** to continue.



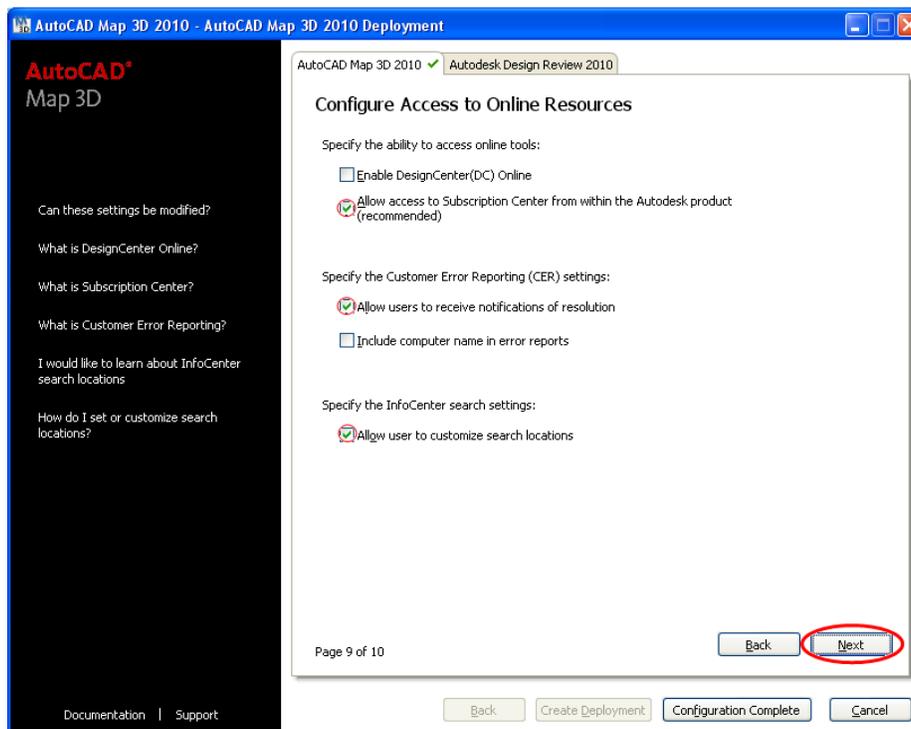
- This window allows the inclusion of Service Packs as part of the deployment.
- The installation routine will automatically search for applicable Service Packs if an internet connection is available (At the time these instructions were created, none were available).
- If a Service Pack is available, we recommend including it in the installation/deployment administrative image (Select/check 'Include Service Pack from Autodesk.com' and 'Append the Service Packs onto the deployment').
- Click **Next** to continue. (If using the direct install option, continue to page 11.)



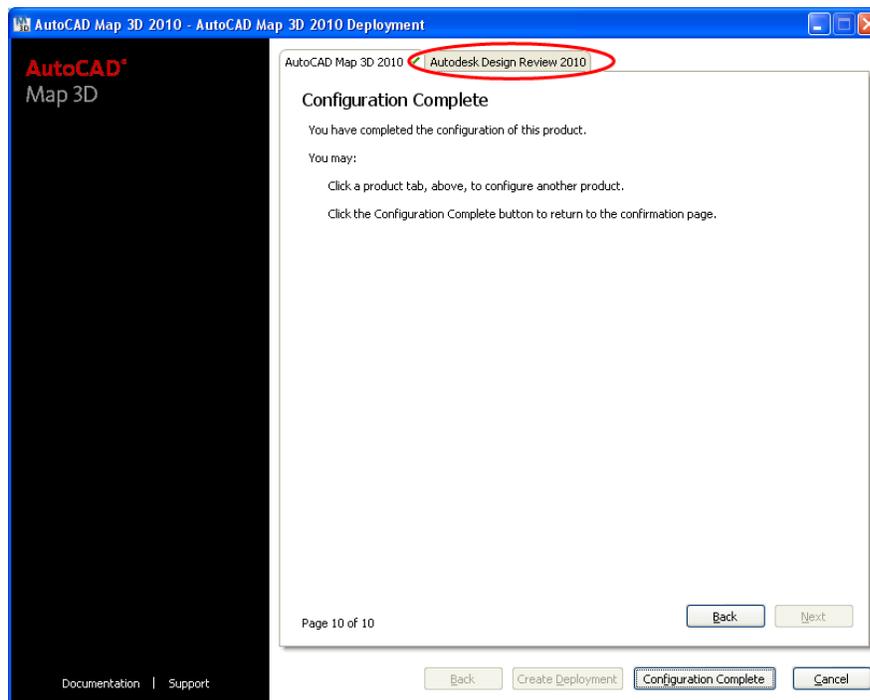
- It is recommended that 'Enable live updates' and 'Enable Information Channels' are selected; this ensures that users are made aware of program updates and issues.
- 'Enable CAD Manager Channel' and 'Enable RSS feeds' are not necessary / recommended for the typical TIPS user.
- Click **Next** to continue.



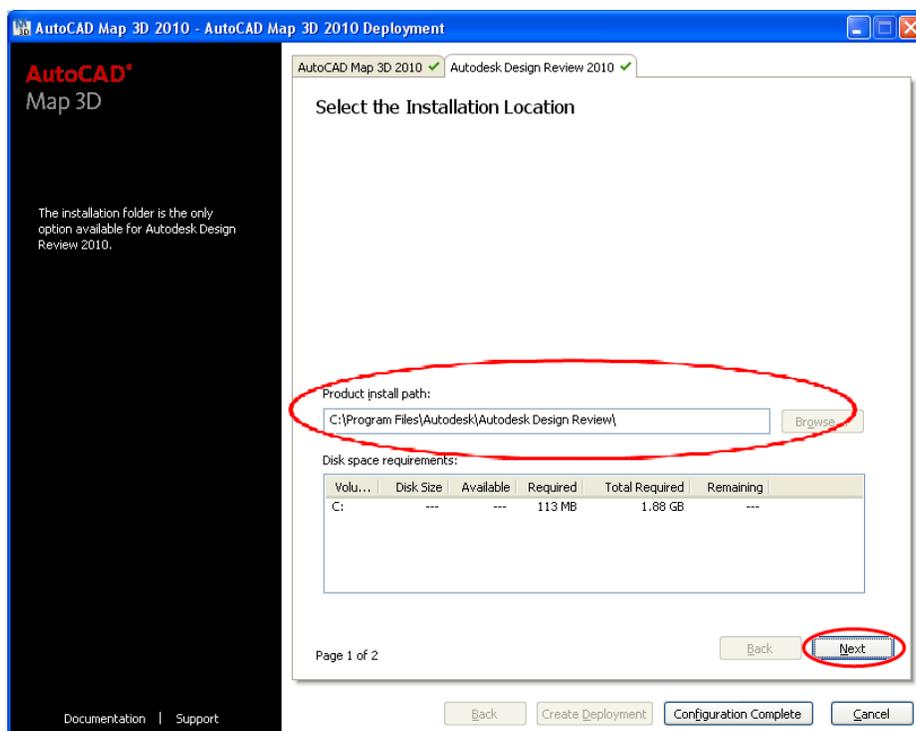
- Configuration defaults (as shown) are recommended for Access to Online Resources.
- Click **Next** to continue.



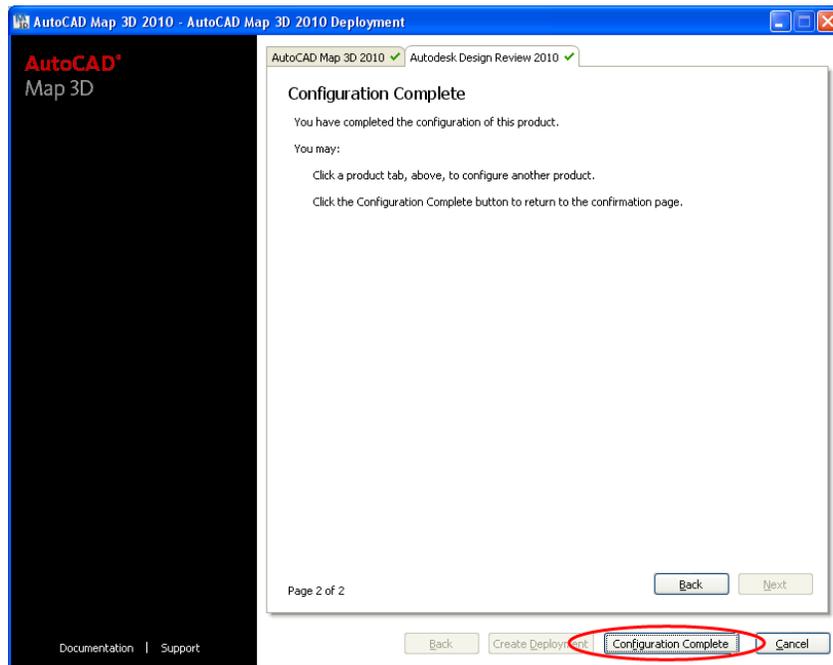
- This completes the configuration for AutoCAD Map 3D 2010.
- Click on the 'Autodesk Design Review 2010' tab to verify configuration for that optional program. Note that if you chose not to install Design Review (page 3, above), the tab will not be available; in that case, proceed to page 12.



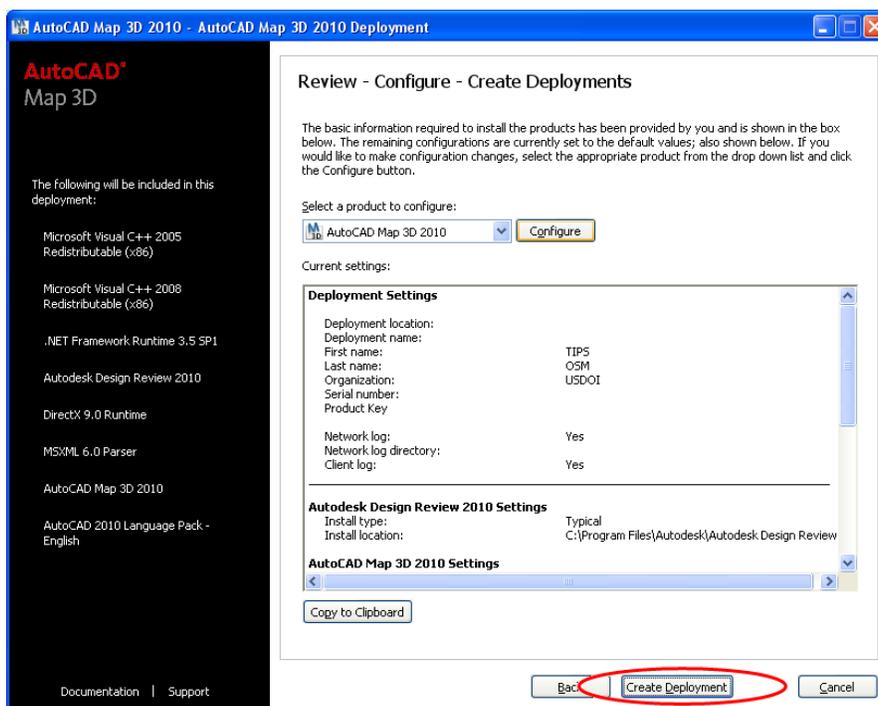
- Verify the install path. The default 'C:\Program Files\Autodesk\Autodesk Design Review\' is recommended.
- If using the direct install option, there will also be a choice to create a desktop shortcut.
- Click **Next** to continue.



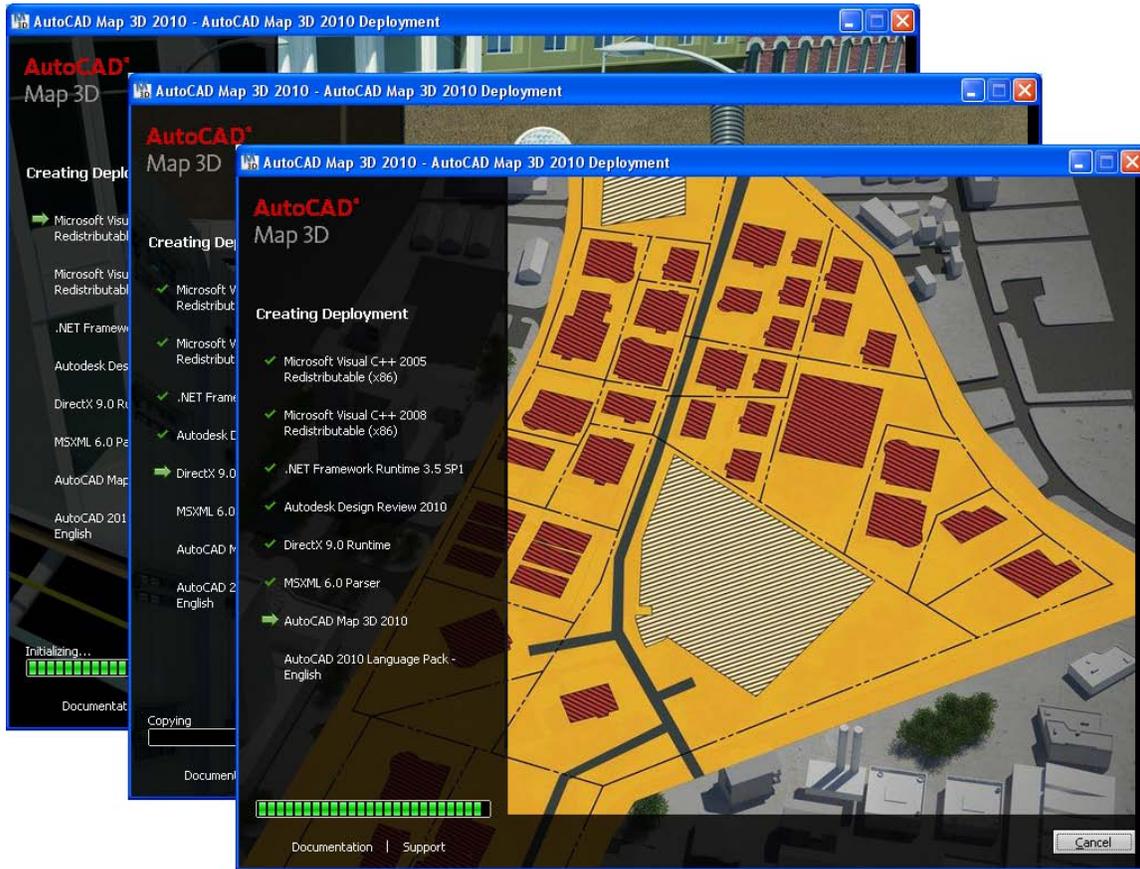
- This completes the configuration for Autodesk Design Review 2010 and / or AutoCAD Map 3D 2010.
- Click **Configuration Complete** to continue.



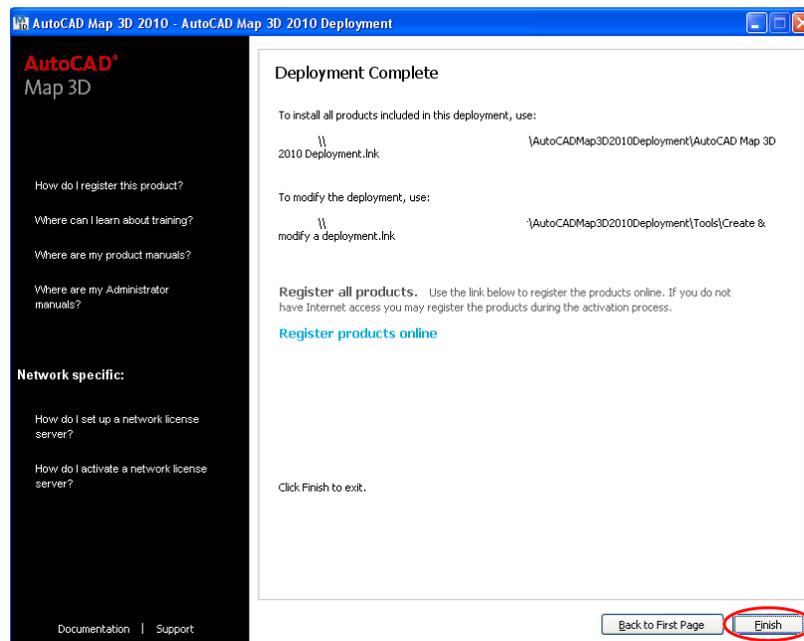
- Review the settings to ensure that the configuration is as intended; you can revise the settings if necessary by clicking on 'Configure'. If desired, you can also 'Copy to Clipboard' and paste to a text editor to save the settings for your records.
- If settings are correct, click **Create Deployment** to continue.
- If using the direct install option, click **Install**; the installation should complete in approximately 20 minutes. At that point click **Finish** and continue on to 'Verify Installation / Network Licensing' on page 15.



- 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 30 minutes.

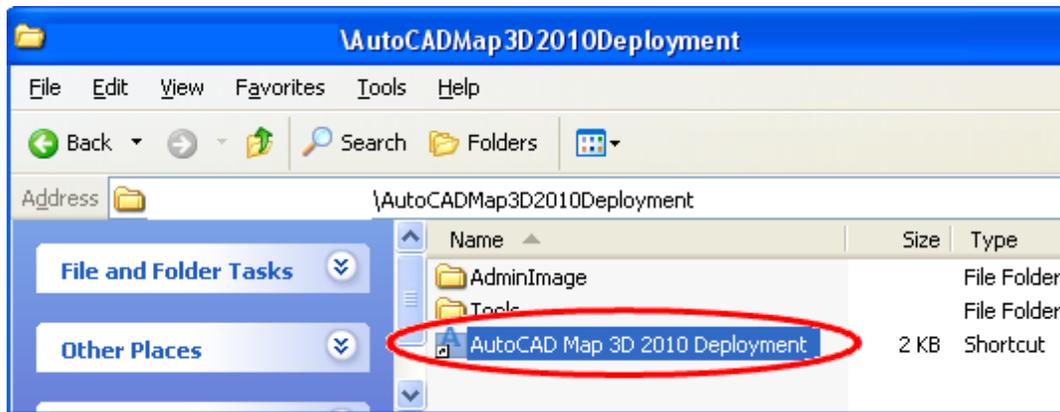


- When the process has completed, note the links for product installation and deployment modification shown on the summary window.
- Click **Finish** to complete the process and exit.

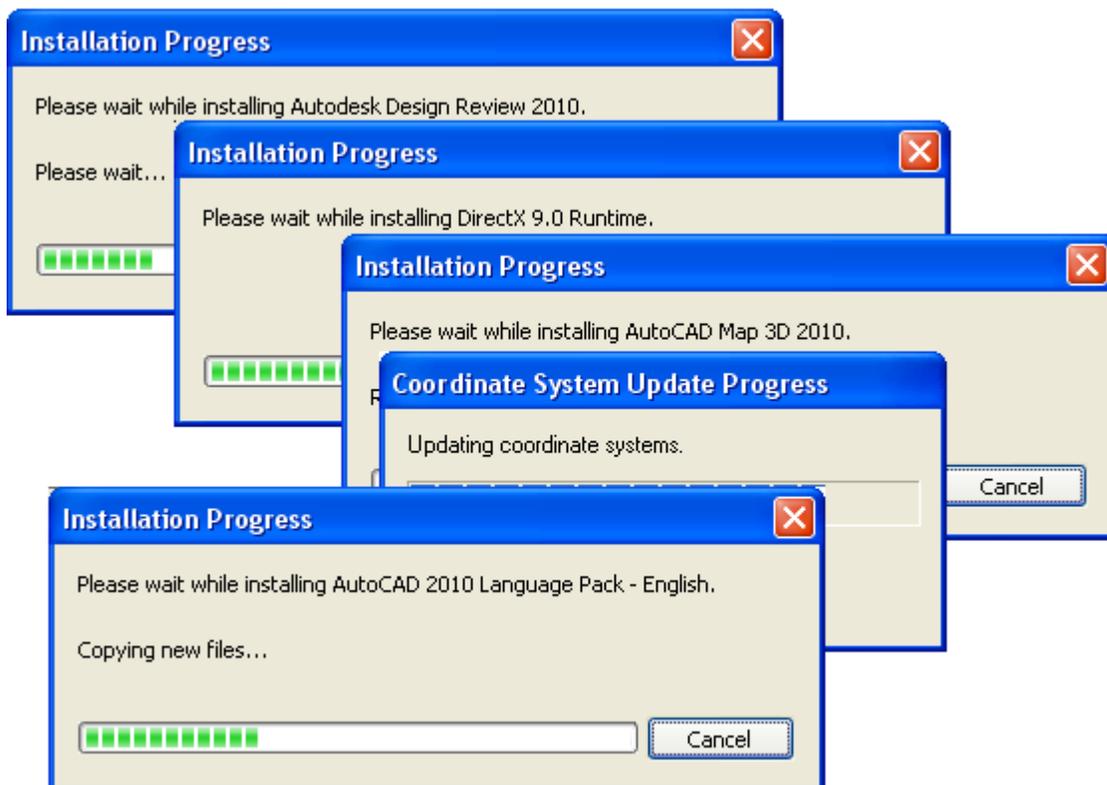


Install AutoCAD Map 3D 2010 on Client Machines

- 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 15 - 20 minutes to complete, depending on network connection and client machine speed.



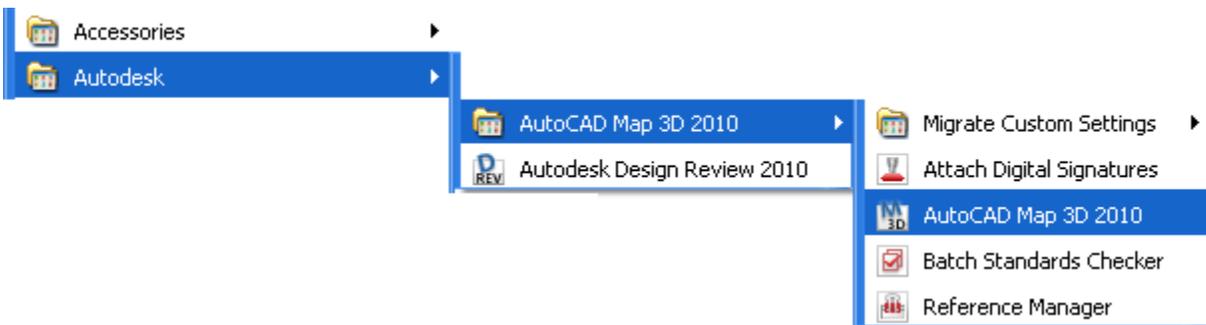
- Note that the status window will simply close (i.e., disappear) when installation is complete. There will not be a "notice" that the installation was successful.

Verify Installation / Network Licensing

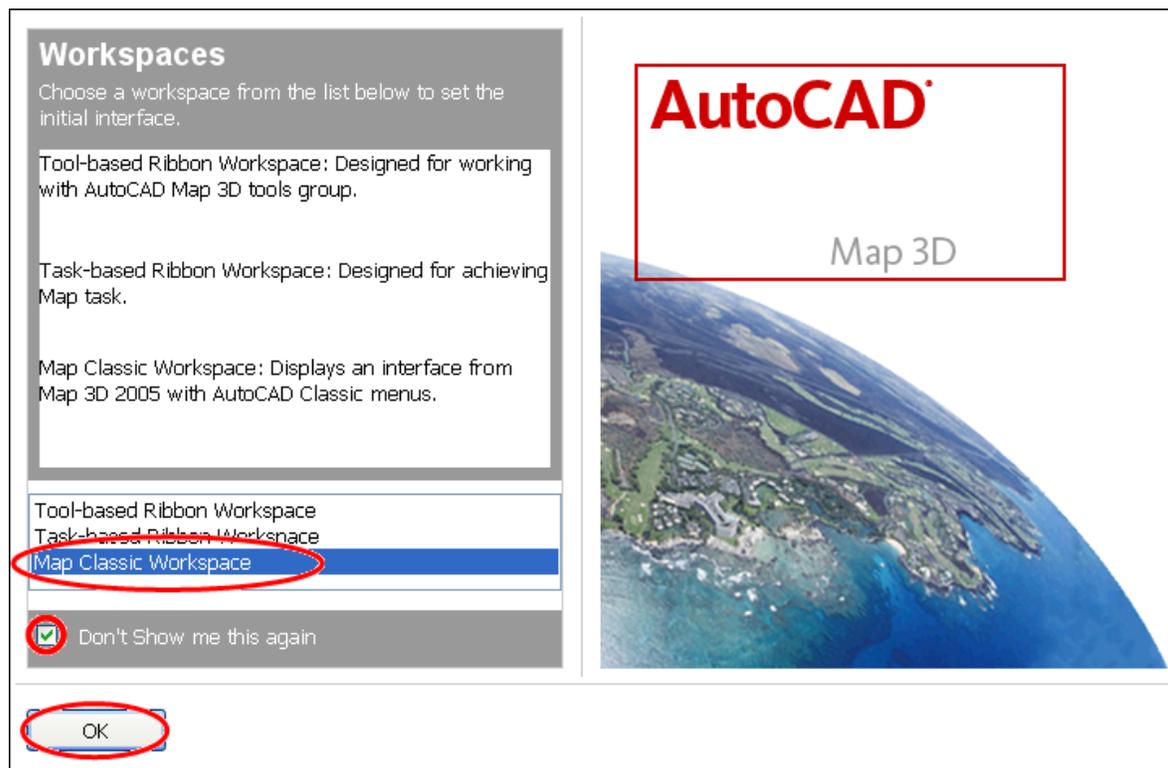
- Have the user login and launch AutoCAD Map 3D 2010 from the desktop shortcut or from the Start Menu.



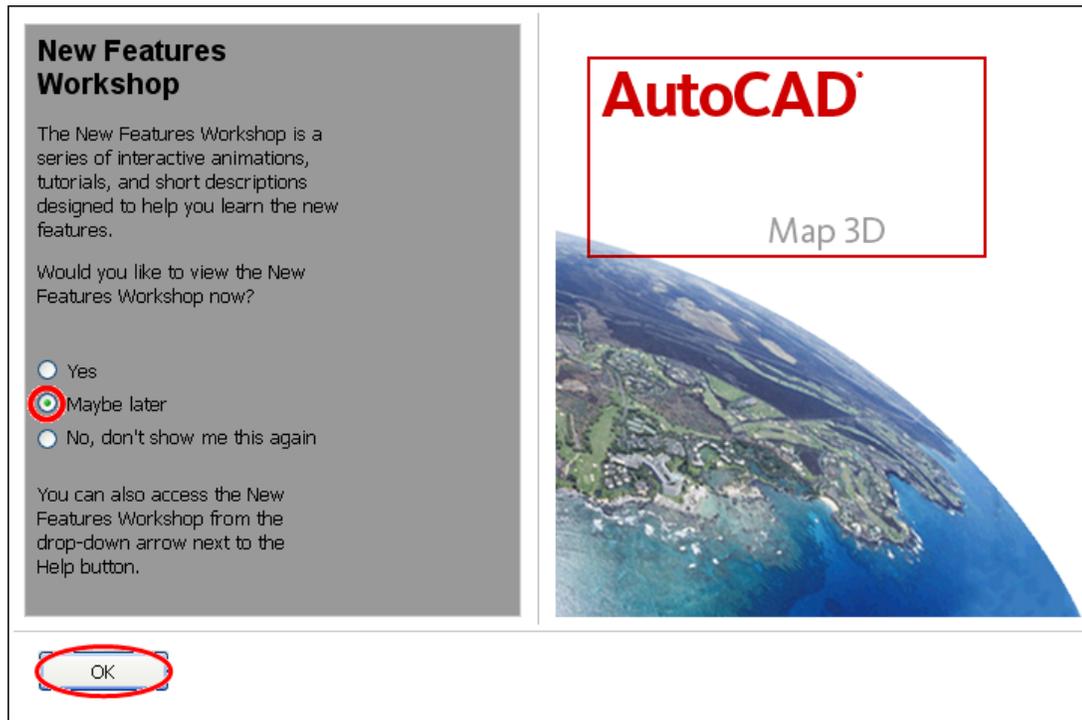
OR



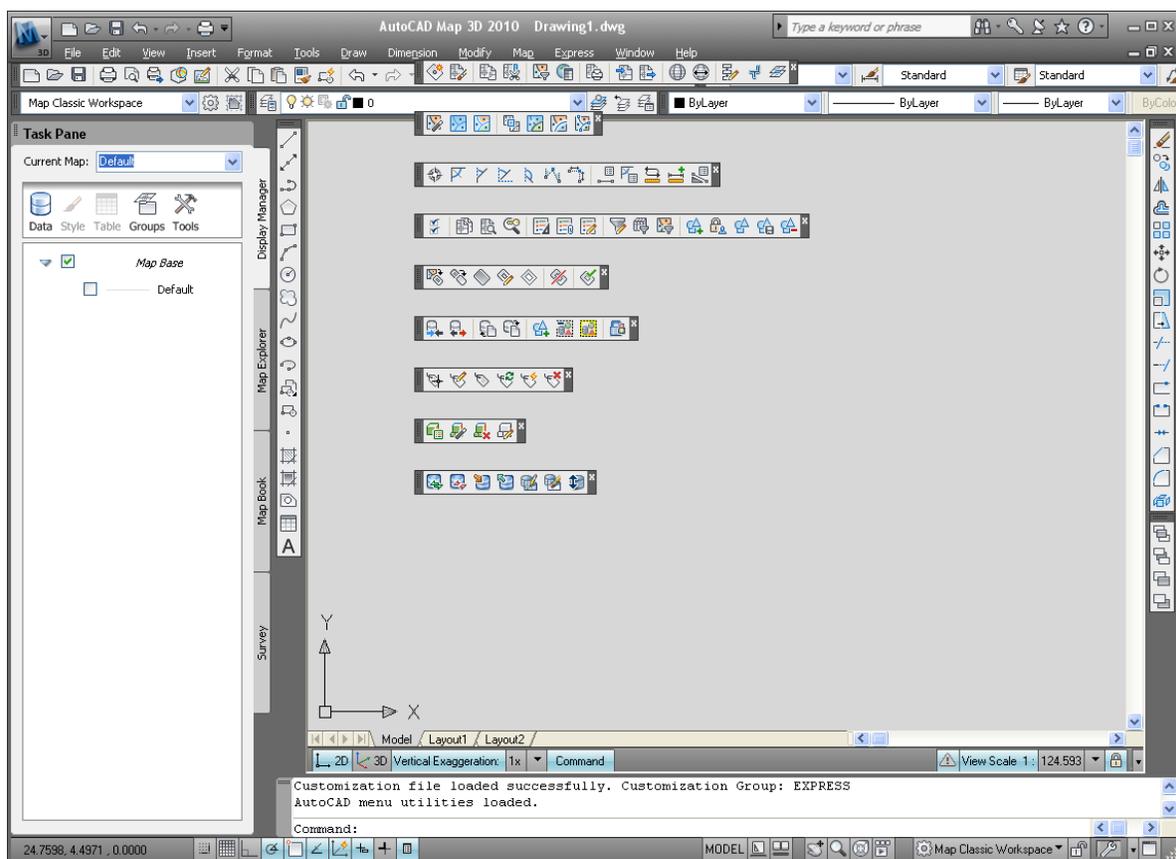
- Scroll to and select 'Map Classic' as the default workspace.
- Check the box next to 'Don't Show me this again.'
- Click **OK** to continue.



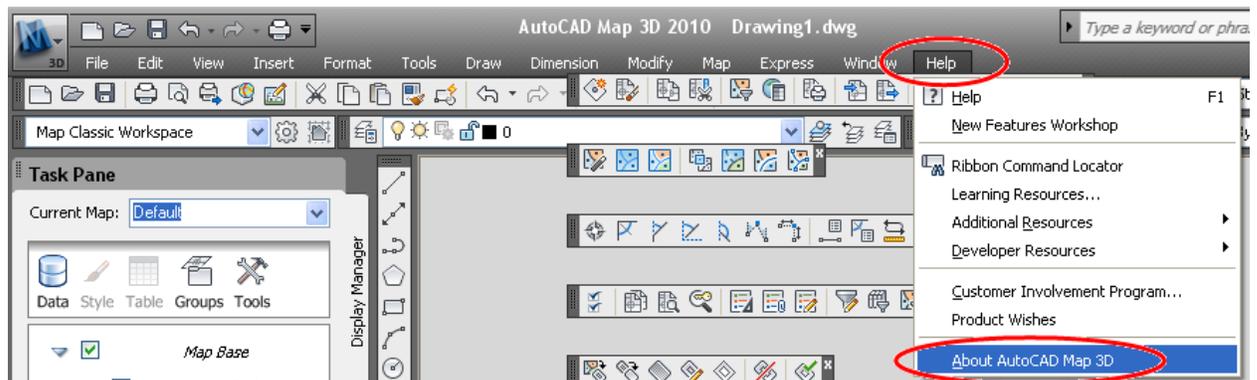
- Select the circle next to 'Maybe later' to enable the user to be reminded of the New Features Workshop on the next program launch (The New Features Workshop can also be accessed at any time from the program 'Help' menu.).
- Click **OK** to continue.



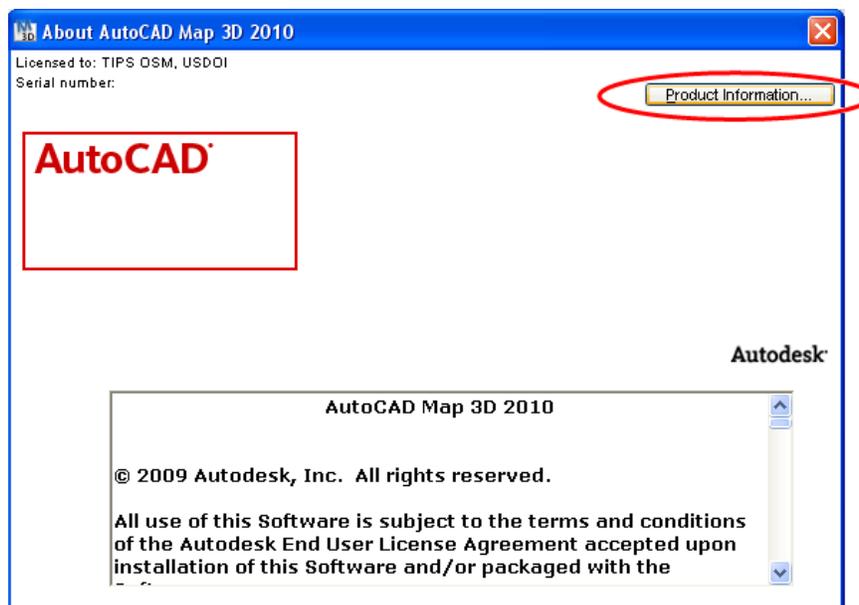
- The program will open...



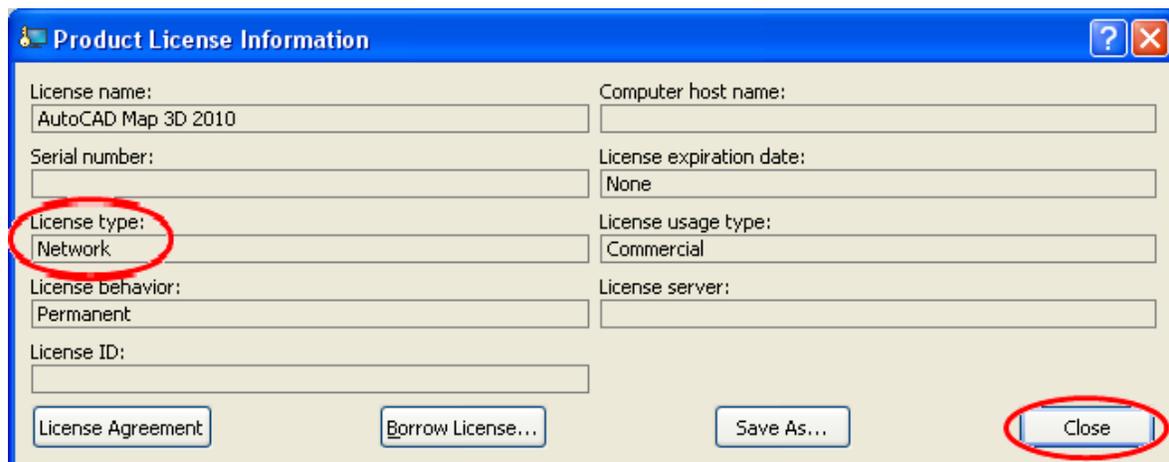
- To verify that the client installation has performed properly, go to the 'Help' menu dropdown and click **About AutoCAD Map 3D**.



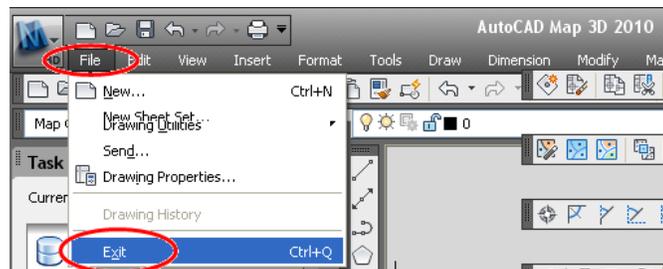
- Click on the **Product Information** button.



- 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**.

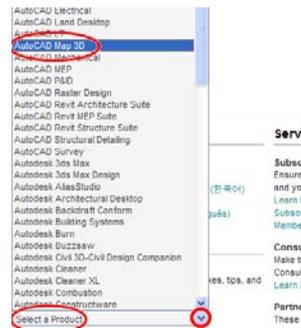


- Go to the 'File' menu dropdown and click **Exit** to close the program.



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=9240858#section1>. (If the hyperlink is outdated go to <http://www.autodesk.com/support> and select support for the 'AutoCAD Map 3D' product [see image below] and navigate to 'Data & Downloads' then 'Updates & Service Packs'.).

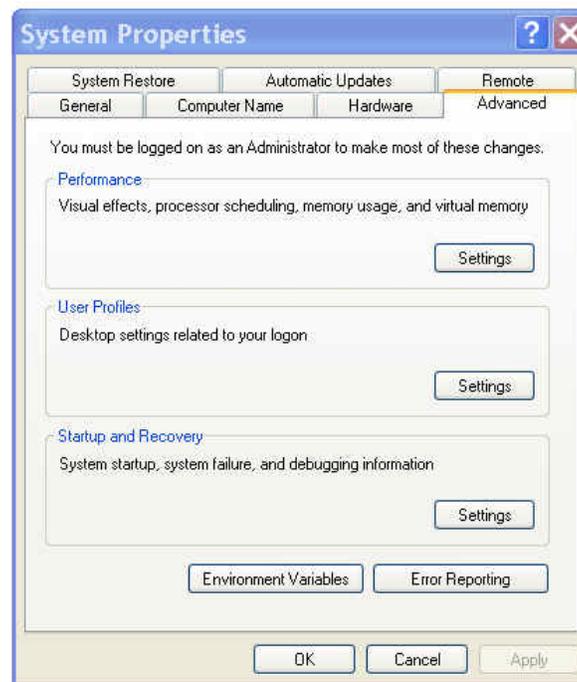


- Recommended Updates as of 9/1/2009:
 - Startup Error and Text Editing Hotfix
 - Download from Autodesk website (listed above).
 - Temporary Solution - AutoCAD Map MsInstaller Error
 - Some users have experienced a bug where when certain applications are started (e.g., ArcGIS / ArcMap) the Microsoft installer will initiate and ask for reinstallation of AutoCAD Map.
 - The temporary solution to suppress the installer dialog from popping up is as follows:
 - In windows Explorer navigate to:
C:\Documents and Settings\All Users\Application Data\Autodesk
 - Copy the **Geospatial Coordinate Systems** folder
 - Paste the folder to the same location
 - Once the copy is complete, rename the folder to:
Geospatial Coordinate Systems Temp
 - Again, this is a temporary solution, but it is a simple fix to prevent the installer dialog from always starting.

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; if Tom is unavailable, contact Tonya Mullins at (276) 523-0042 x13 or TMULLINS@OSMRE.GOV.