4 Licensing ThinManager

4.1 ThinManager Licensing

ThinManager 5.0 introduced changes in licensing.

Master Licenses – Each ThinManager Server or synchronized pair of ThinManager Servers use a single Master License to contain the product licenses. Product license codes of individual license components are added to the master license. When the master license is activated the product licenses are included in the activation and a single master license file is downloaded, containing the functionality of the member component licenses.

The master license can be for a single ThinManager Server or for a Mirrored Redundant pair of ThinManager Servers, or a fully redundant pair of ThinManager Servers, depending on the component licenses. See Redundant ThinManager Servers for details on Stand Alone, Mirrored, and Fully Redundant systems.

4.1.1 Standard Licensing

Product Licenses – Product licenses are the licenses that are added to the Master License to provide the needed functions. The Product Licenses are:

- **Terminal Connection License** – This is the main product license that allows a terminal to receive its configuration. It is needed by every terminal.

- **MultiMonitor** – This product license, with a Terminal Connection License, allows a specialized thin client to use up to five monitors on a single thin client. See MultiMonitor for details.

- **WinTMC** - This product license, with a Terminal Connection License, allows ThinManager to manage the RDP connection and terminal services experience of a PC. See WinTMC Fat Clients for details.

- **TermSecure** – This product license enables additional security features for users. It can be used to grant them special access to hidden applications or allows access to a user's application from any terminal in the system. See TermSecure for details.
  TermSecure licensing is **per-user licensing**. Each instance of ThinManager will install with licensing for five users of TermSecure included. Additional TermSecure product codes can be purchased to increase the number of TermSecure users beyond the initial five users.

Components included in the ThinManager Terminal Connection Licenses include:

- MultiSession

- SmartSession

- Instant Failover

- Redundant Ethernet
- Share Keyboard and Mouse

4.1.2 XLi Licensing

XLi Licenses are added to a master license the same way as standard licenses. XLi licenses include all features from the standard licenses plus MultiMonitor, WinTMC, Term Secure, and PXE Boot.

4.1.3 Master License Advantages

The use of a Master License means that there is one license for the ThinManager Server. You only need to activate and transfer one master license if you need to decommission an old ThinManager Server and build a new one.

New license components get added to the master license and the master license is re-activated and re-applied to the ThinManager Server.

4.2 License Activation

4.2.1.1 Installation

Install ThinManager on a computer, or on two computers if you have redundant or mirrored Terminal Connection product licenses.

See Installation of ThinManager and Redundant ThinManager Servers for details.

4.2.1.2 Synchronization

Synchronize the ThinManager Servers if you are using redundancy or mirrored redundancy.

See Automatic Synchronization for details.

4.2.1.3 Online Activation

Go to www.thinmanager.com and follow the links to the License Activation to activate the license.
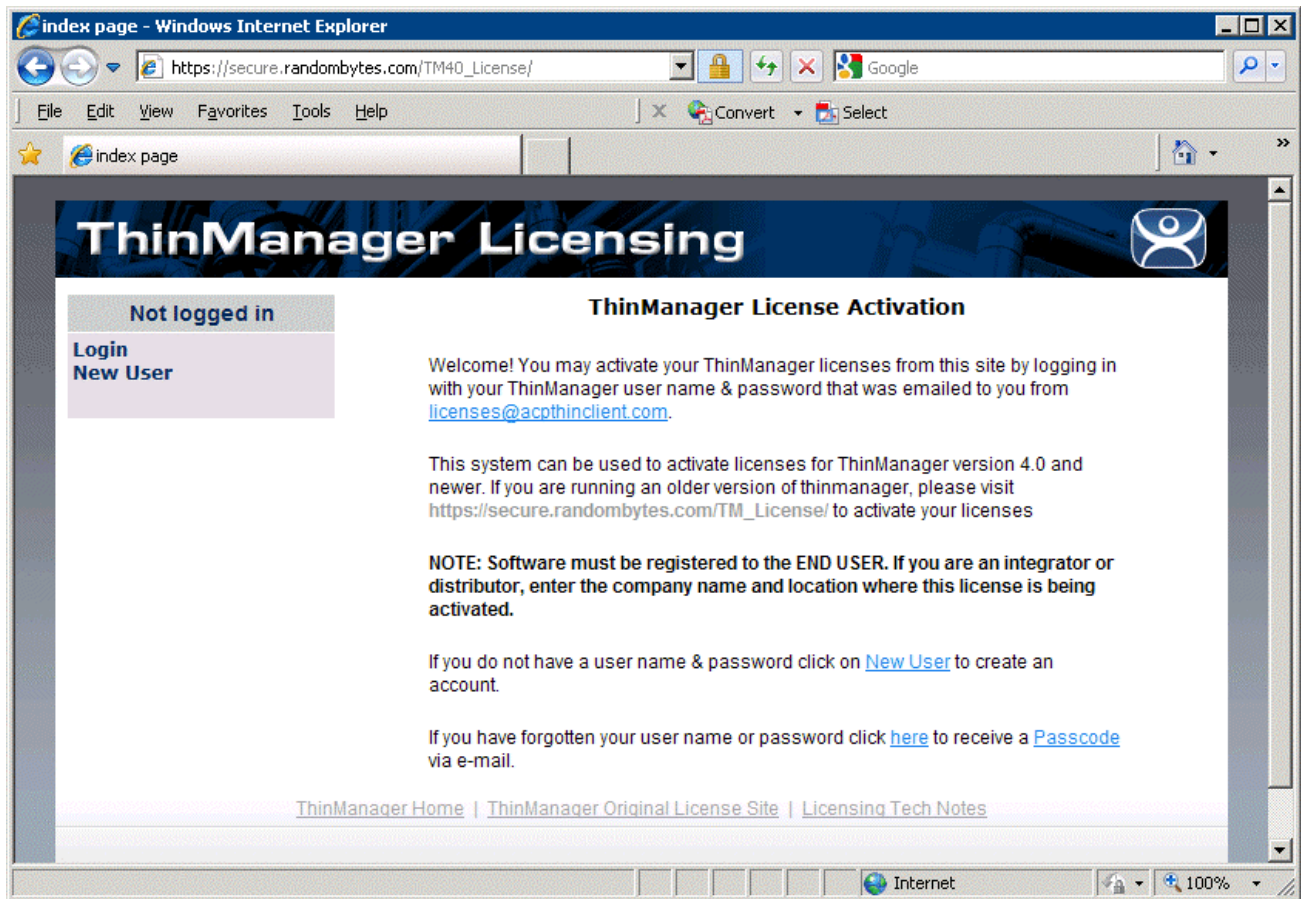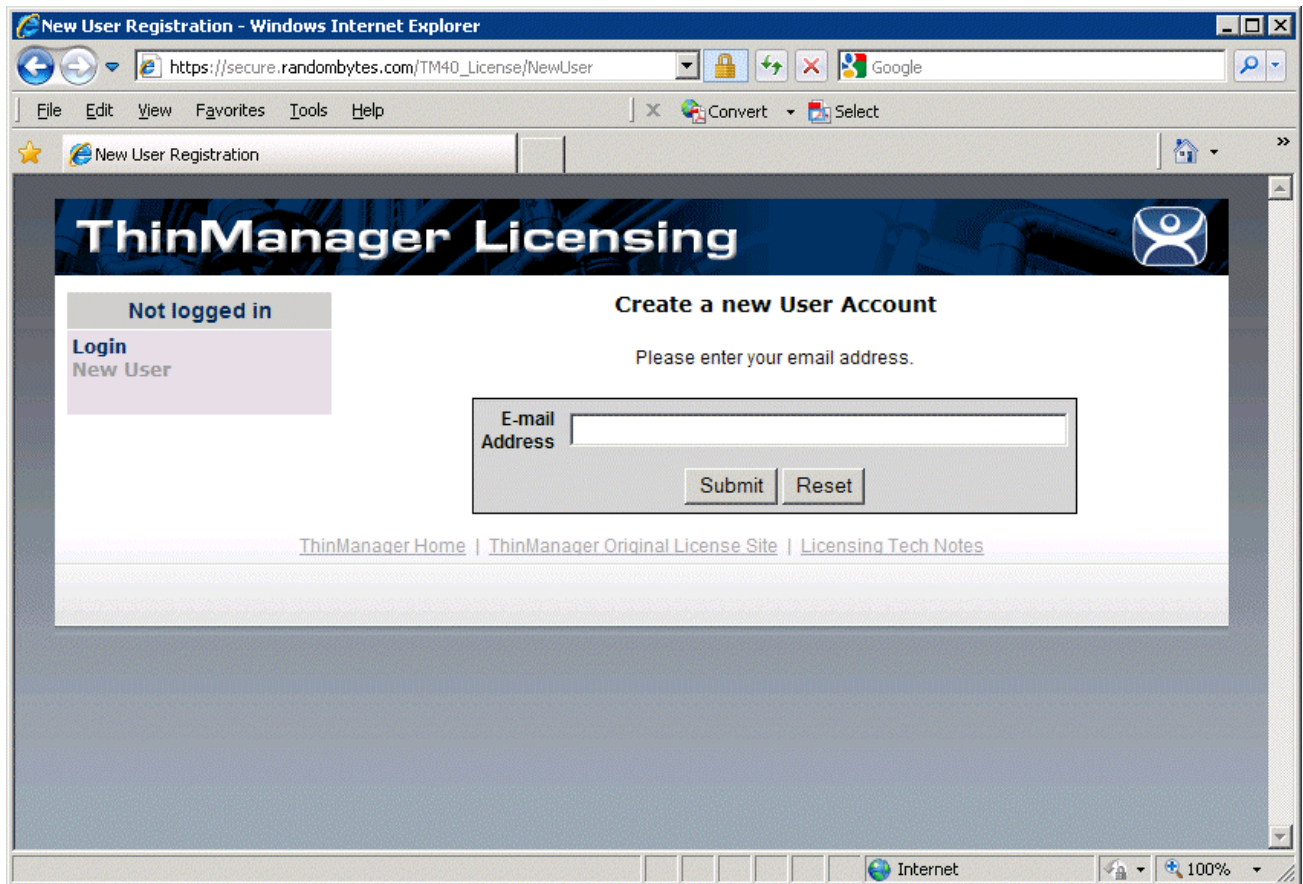
License Activation Site

Login with an existing account or use the **New User** link to create a new account.

4.2.1.4 New Account

An account can be created on the license site by selecting the **New User** link.

New User Entry

Enter your e-mail address to start the creation process.

New User Information Entry

Enter the required information and select the **Submit** button.

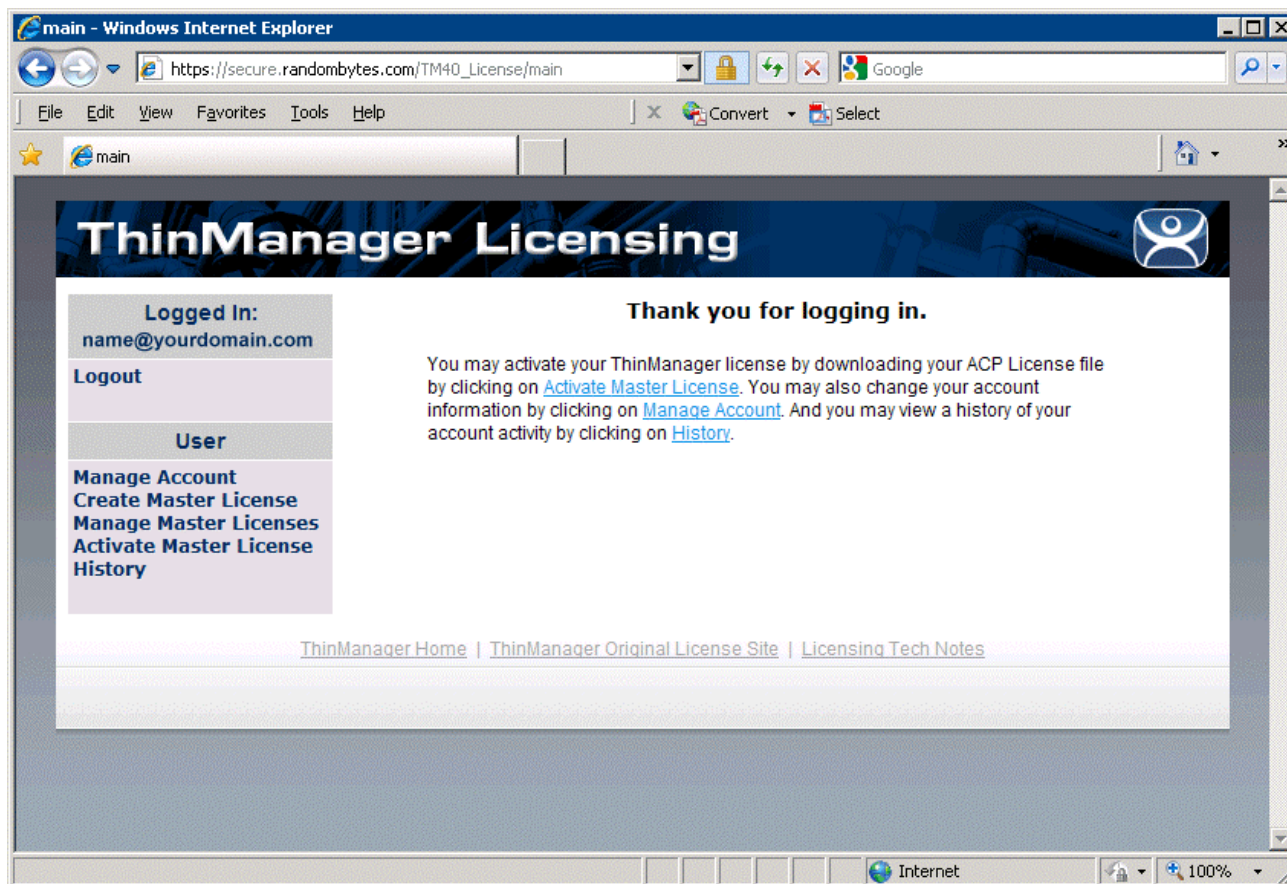A password will be sent to the e-mail address that allows access to the site.

4.2.1.5 Login to Site

Select the **Login** link to enter the site.

Login

Enter the e-mail address used in the creation of the account. Enter the password that was sent to that account to login to the site. Select the **Login** button.

License Site Main Screen

The ThinManager Licensing site has a sidebar with 6 functions:

- **Logout** – This will log you out of the site and end your session.

- **Manage Account** – This allows you to change the details of the account, like address and phone number. It also has a link that allows you to change the password to one of your choosing.

- **Create Master License** – This creates the Master License that acts as a shell or container to hold the individual license product codes.

- **Manage Master License** – This allows you to add the product license codes of the individual license components to the master license.

- **Activate Master License** – This allows the master license to be activated and downloaded for installation.

- **History** – This shows the history of actions taken by the user.

4.2.1.6 Creating a Master License

Select the **Create Master License** link to initiate the creation of a master license.

Create Master License

Enter a description of the license for your usage in the **Server Name/Server Description** field.

Select the redundancy level that matches the redundancy level of your Terminal Connection product license and select the **Submit** button.
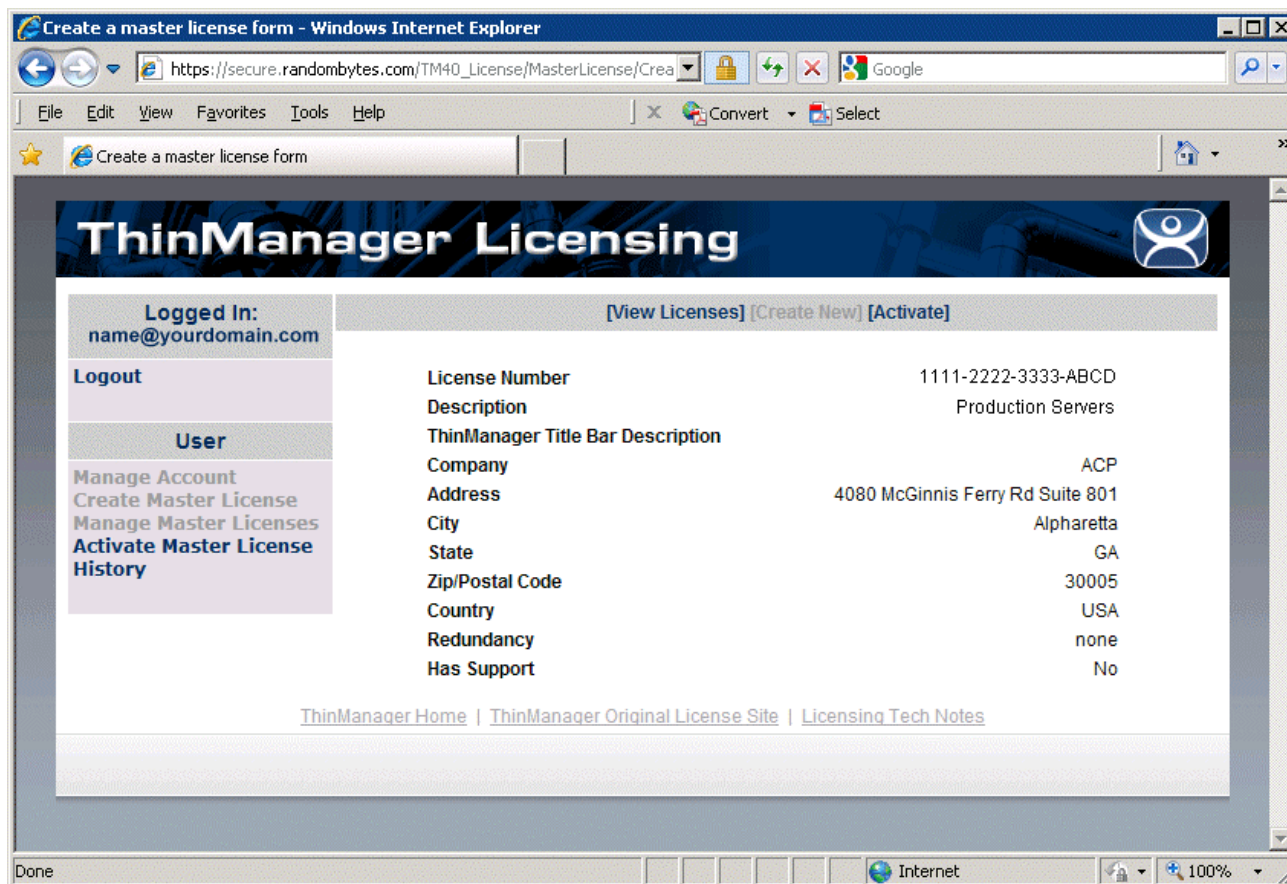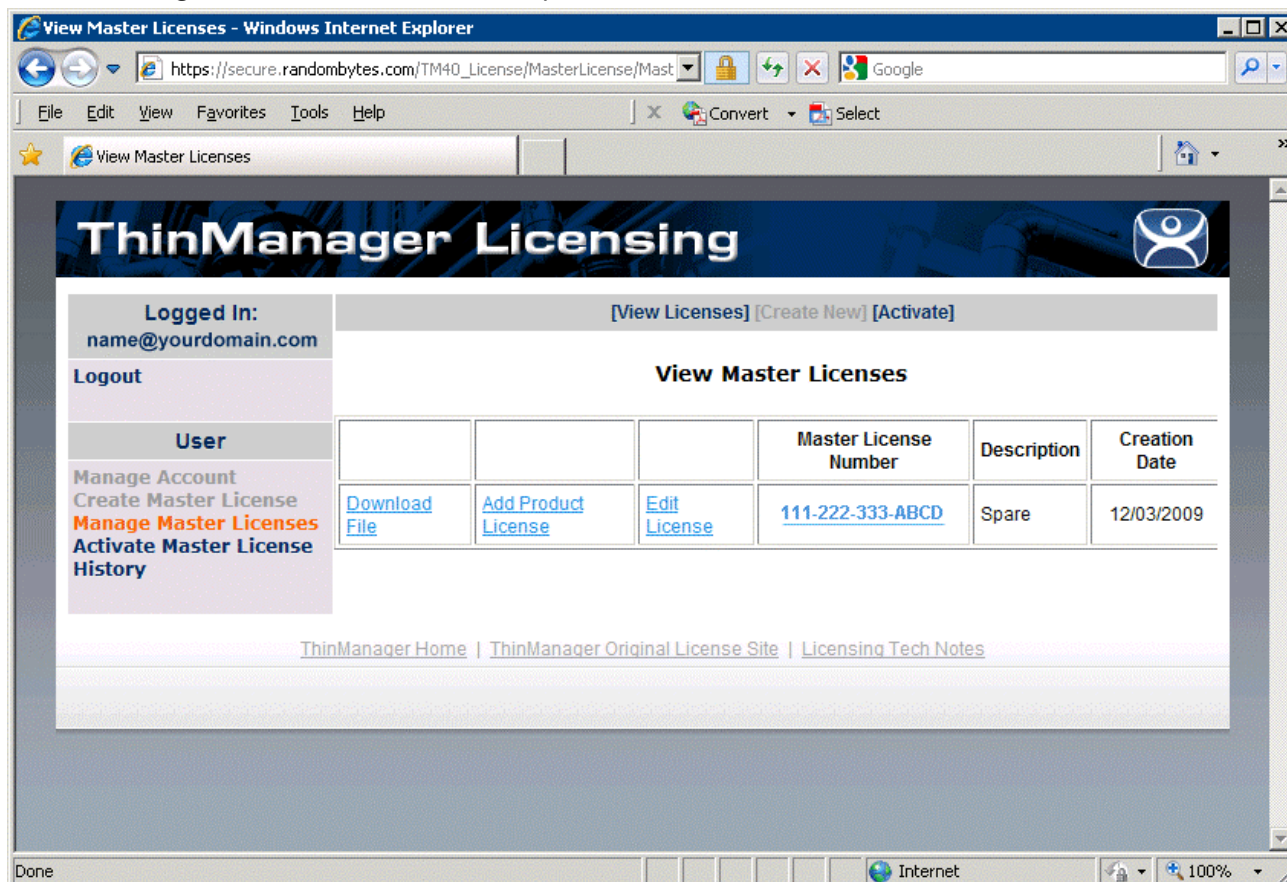
Master License Information

The site will create a master license and display the information for you. It is useful to print this page for your records.

4.2.1.7 Manage Master Licenses

Use the **Manage Master License** link to add product licenses to the Master License.

View Master License

Selecting the **Manage Master License** link will display the master licenses.

- **Download File** – This link will download the master license file once the product codes of the component licenses are added. The Master License needs to be activated before downloading. If this link is selected before activation it will prompt for activation.
  See Download the Master License for details.

- **Add Product License** – This link will allow a product code of a license to be added to the master license.
  See Add Product License for details.

- **Edit License** – This link allows the descriptions of the master license to be edited.

- **Master License Number** – This link displays the master license details.
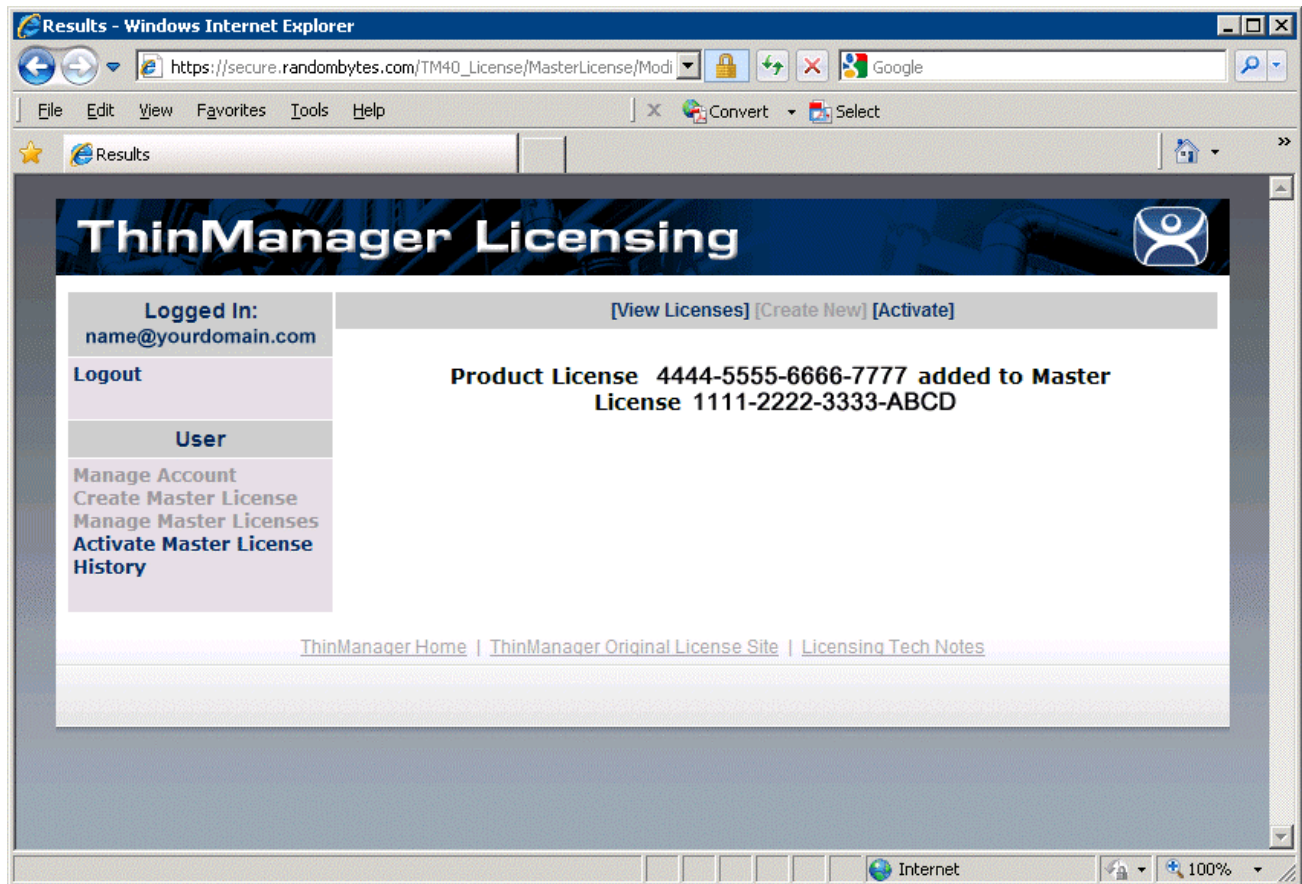
4.2.1.8 Add Product License

The Master License needs the product license codes of the component licenses to be added to the master license. This is done by selecting the ***Add Product License*** link of the **Manage Master License** page.

Add Product Code Window

Enter the product license code (license number) of the component license to the ***License Number*** field and select the ***Submit*** button.

Add Product Code Result Window

When a product code of a license is successfully added to the master license the web site will show a confirmation message.

Enter as many product codes as you have licenses to add to the master license.

The master license will need activation and downloading after each group of product licenses are added.

4.2.1.9 Redundant Master License with Non-Redundant Product Licenses

If you have non-redundant Terminal Connection Licenses you can add them to a mirrored or fully redundant master license. When you add the product license it will ask which ThinManager Server you want to apply the license to. Apply half to the Primary and half to the Secondary.

Stand-alone License on a Redundant ThinManager Server

Once the product licenses are assigned to the target server it can be activated and applied.

ThinManager Licensing

Logged In:
paul@paulburns.com
Logout

User
Manage Account
Create Master License
Add Product License
Activate Master License
Manage Master Licenses
History

Support
Tech Support

License Details

License Number	51BC-CA72-C4AA-E167
Server Description	Demo_Redundundacy
Site Description	
Created	01/20/2011
Created By	paul@paulburns.com
City/State	Alpharetta/GA
Disabled	NO
Activate Limit	1
Support	None
Description	Demo_Redundundacy
Redundancy	full

[Edit] [Delete] [Remove Product License]

Product Licenses

Product License	Type	Count	Redundancy	Primary	Secondary	Version
12345678-12345678	Terminal Connection License	5	none	Valid	Invalid	4.0
87654321-87654321	Terminal Connection License	5	none	Invalid	Valid	4.0

Stand-alone License on a Redundant ThinManager Server

Stand-alone Product Licenses applied to the Primary will show "Valid" for the Primary and "Invalid" for the Secondary, and visa versa.

4.2.1.10   Activate the Master License

The Master License needs activated and downloaded once the product license codes of the component licenses have been added to the master license. This is done by selecting the *Activate Master License* link of the **Manage Master License** page.
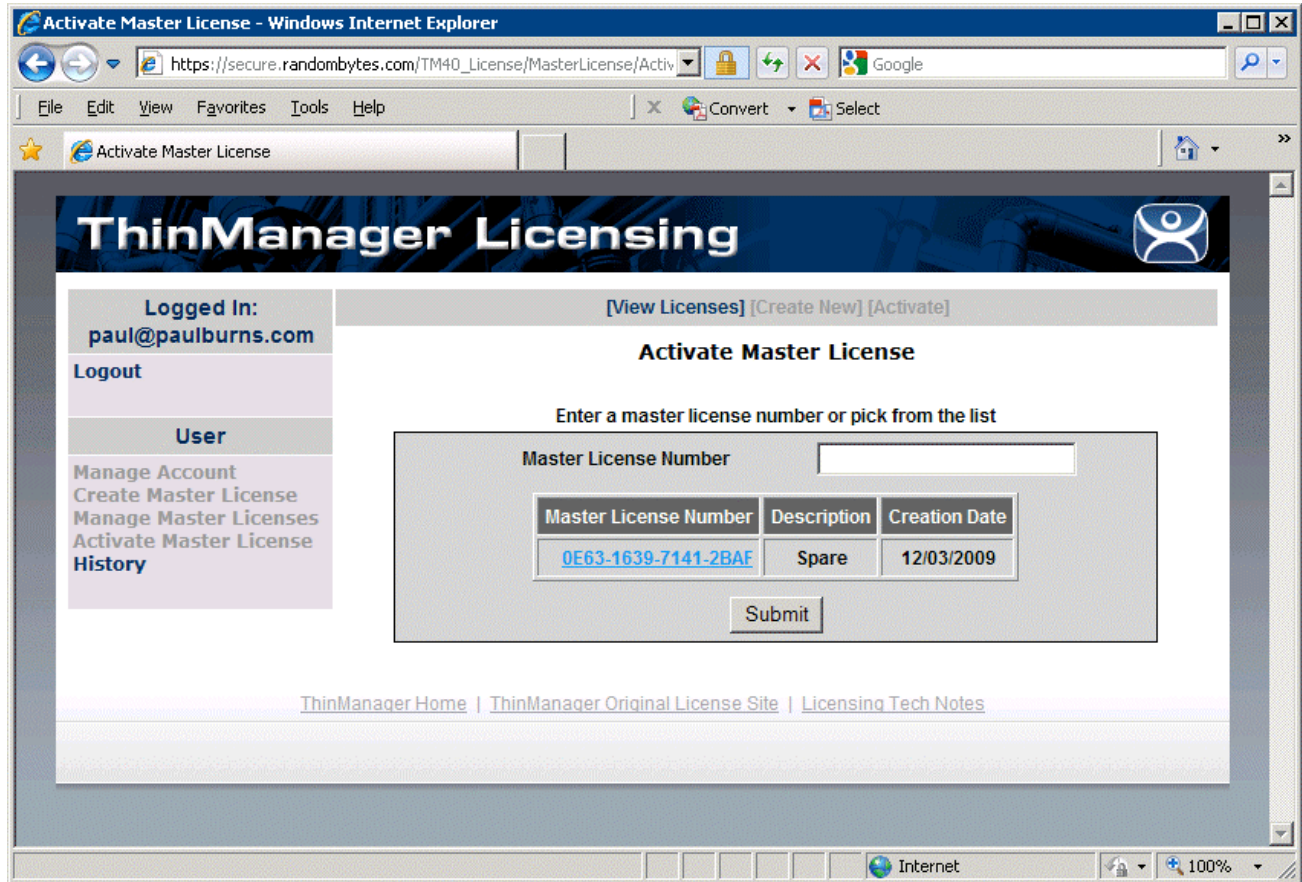
Activate Master License Page

Selecting the *Activate Master License* link will display the **Activate Master License** page with a list of all the master licenses that are registered to the person logged in.

Select the master license from the table or enter the master license number into the **Master License Number** field and select the *Submit* button.

Activate Master License Page

Activation requires the entry of the Installation ID of the ThinManager Servers that the master license will be installed on.

The Installation IDs will need to be added each time the Master License is activated or re-activated.

ThinManager Licensing Window with Installation IDs

The Installation IDs are shown on the **Licensing** window that is launched by selecting *Install > Licenses* from the ThinManager menu.

Enter the required installation IDs into the *Primary Installation ID* field (and the *Secondary Installation ID* field if needed) on the **Activate Master License** page of the License Activation web site.

Select the *Submit* button to finish the activation.

4.2.1.11 Download the Master License

Download the master license by selecting the **Manage Master Licenses** link from the main menu.
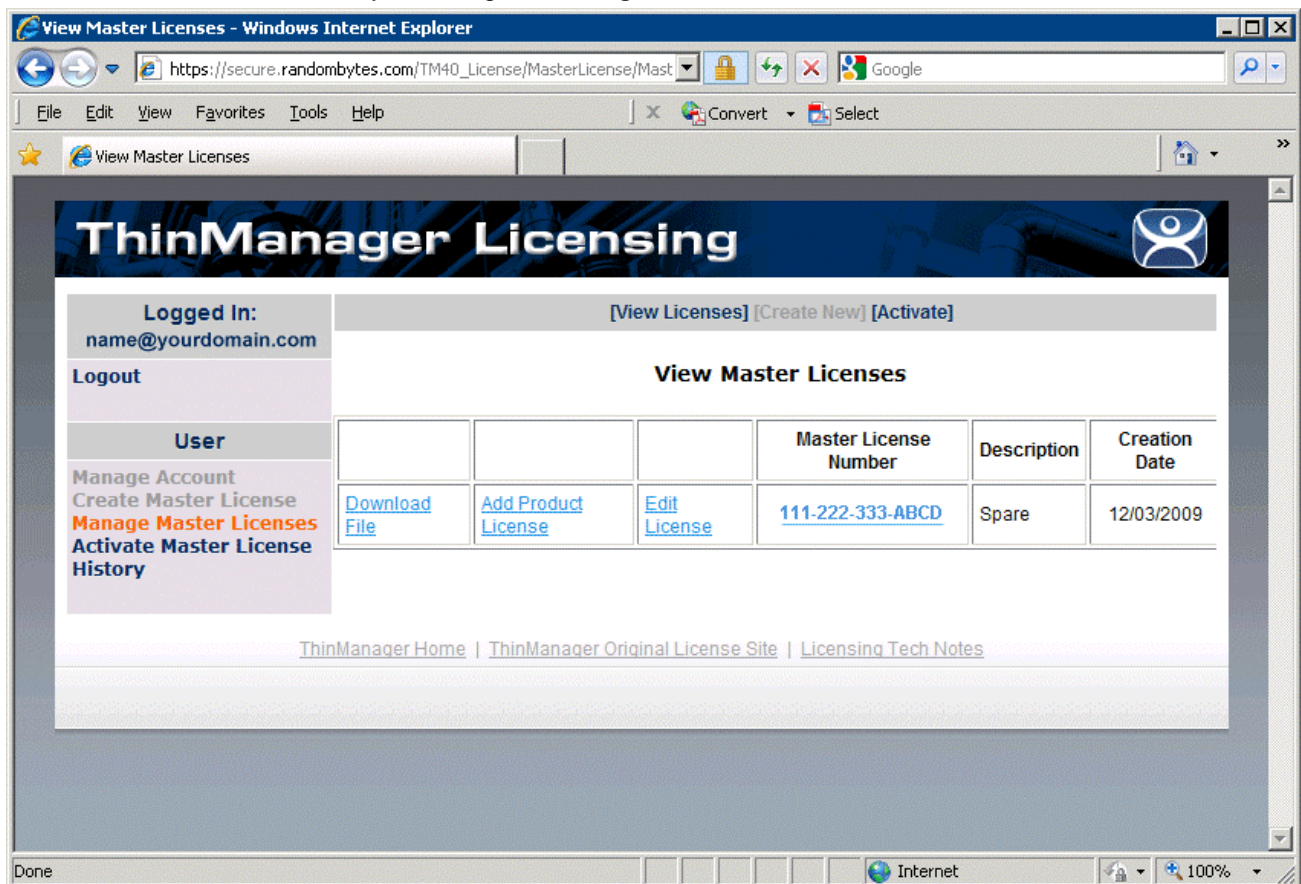
View Master License

Select the **Download File** link for the master license.

Master License Download

Select the link on the page to start the download.
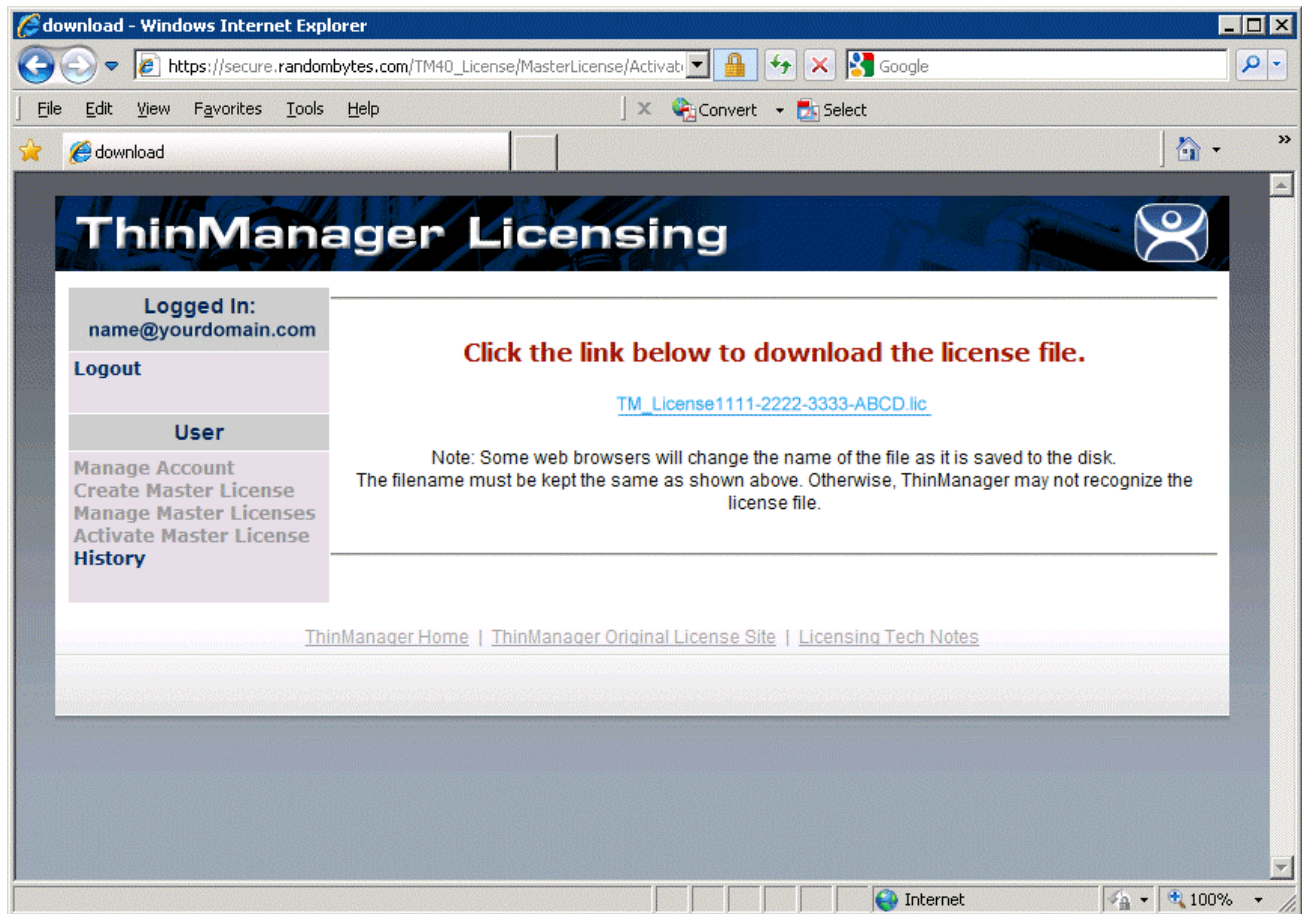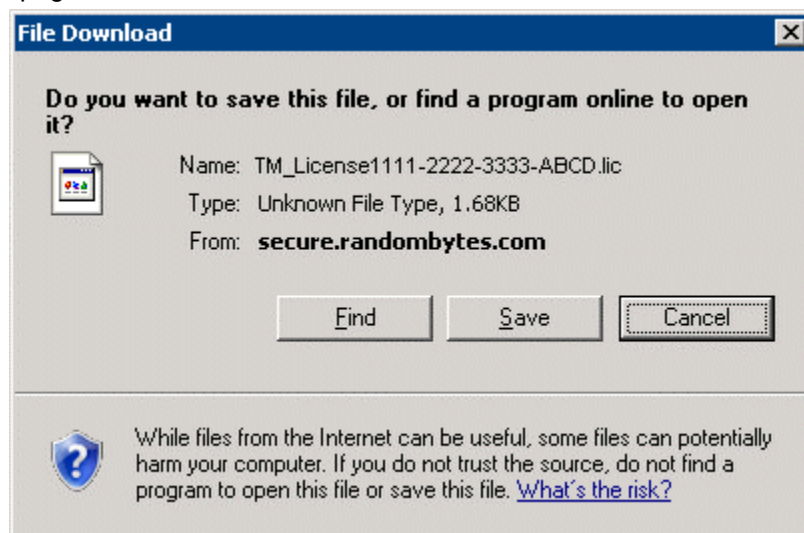

File Download Window

The download will begin and prompt you to save the file. Do not save it directly into the ThinManager folder but save it to a folder that is accessible from ThinManager.

4.3 Adding a Master License to ThinManager

Licenses are added to ThinManager Servers by selecting *Install>Licenses* from the ThinManager Menu.

Licensing Window – Single ThinManager Server

Single, unsynchronized ThinManager Servers will display the Installation ID for the local ThinManager Server.

Licensing Window – Single ThinManager Server

Synchronized ThinManager Servers will show the Installation IDs for both redundant ThinManager Servers. See Automatic Synchronization for details.

Select the **Install License** button to launch a file browse window.
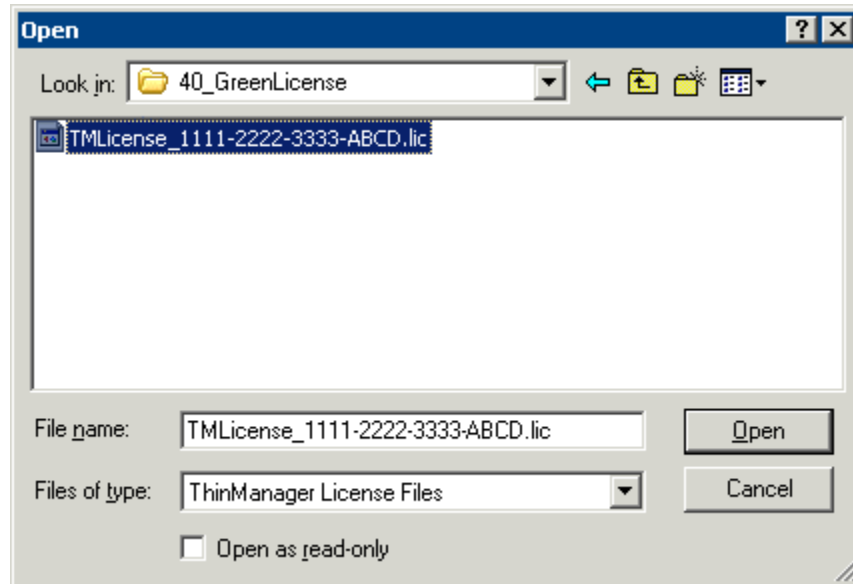
File Browser for License Files

Browse to the folder that the master license is saved in. Highlight the master license and select the *Open* button to install the license.
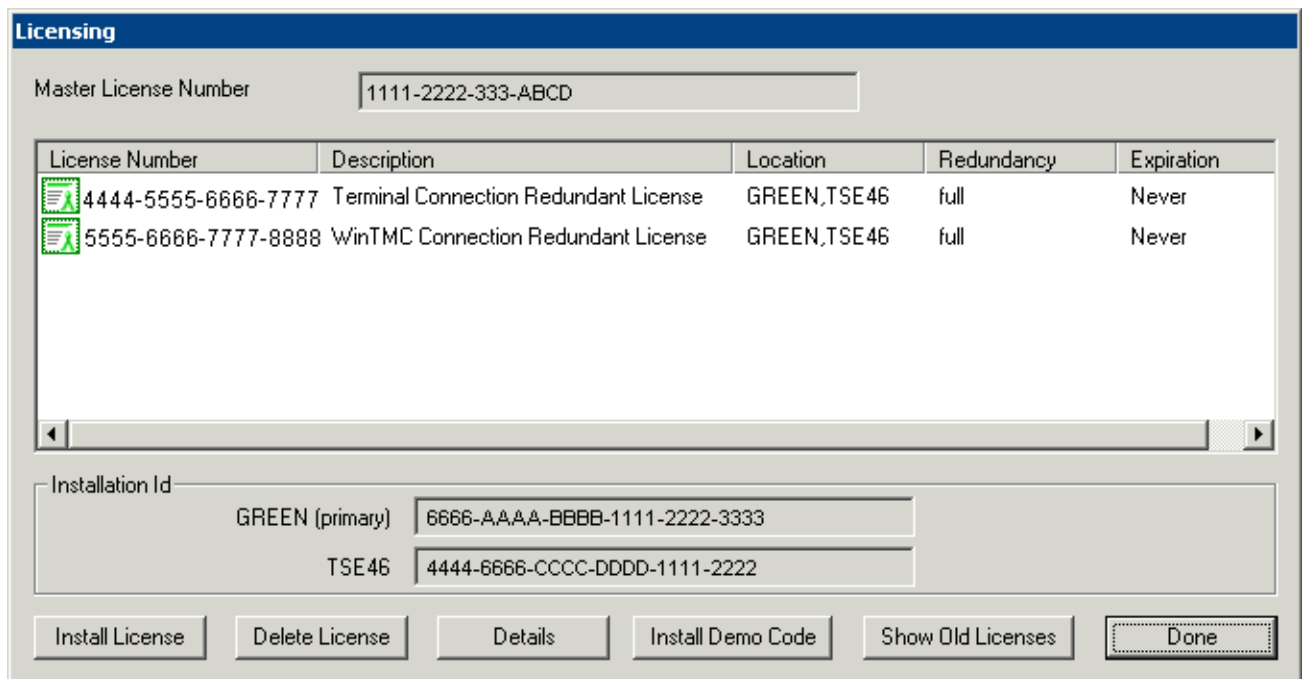
Licensing Window with Licenses Installed

The master license will be displayed in the **Master License Number** field. The product code of each component license will be displayed in the license window.

4.3.1 Delete License

The *Delete License* button will delete the Master License.
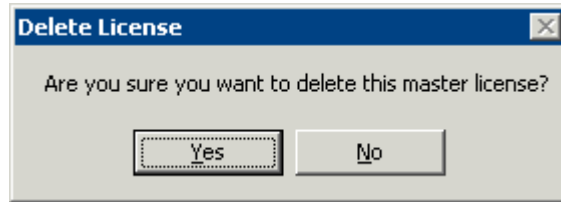
Delete License Prompt

Selecting the *Delete License* button will open a **Delete License** window. Selecting *Yes* will delete the license while selecting *No* will cancel the deletion and close the window.

4.3.2 License Details

The *License Details* button will open the **License Details** window with information about the Master License.
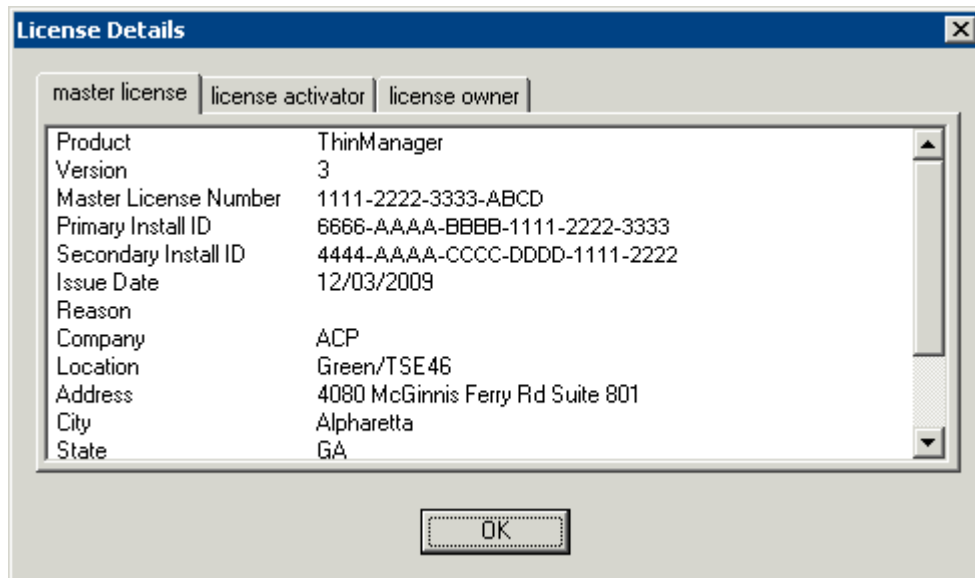
Master License Details

The **License Details** window shows information about the master license, the activator of the license, and the owner of the license on the **Master License**, **License Activator**, and **License Owner** tabs.

4.3.3 Install Demo Code

The *Install Demo Code* button will open the **Install Demo Code** window and allow a user to add a demo code to give ThinManager temporary functionality.
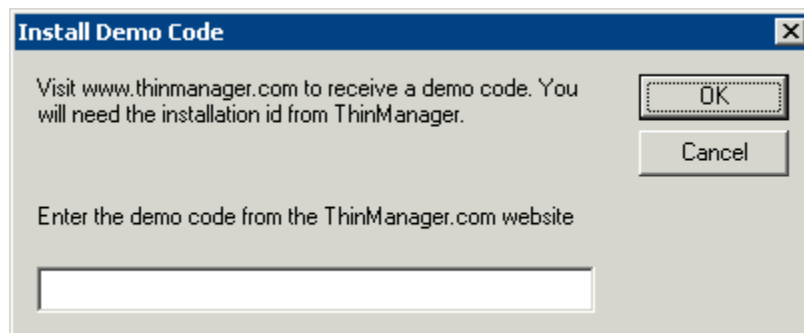
Install Demo Code Window

A Demo Code gives ThinManager temporary functionality, normally for 30 days.

4.3.4 Show Old Licenses

The *Show Old Licenses* button will show ThinManager 3.X licenses in a **Licenses Not Included in Master License** window.

Not Included in Master License Window

The **Not Included in Master License** window shows licenses installed in previous versions on ThinManager before the upgrade to ThinManager 5.

4.4 WinTMC Licenses

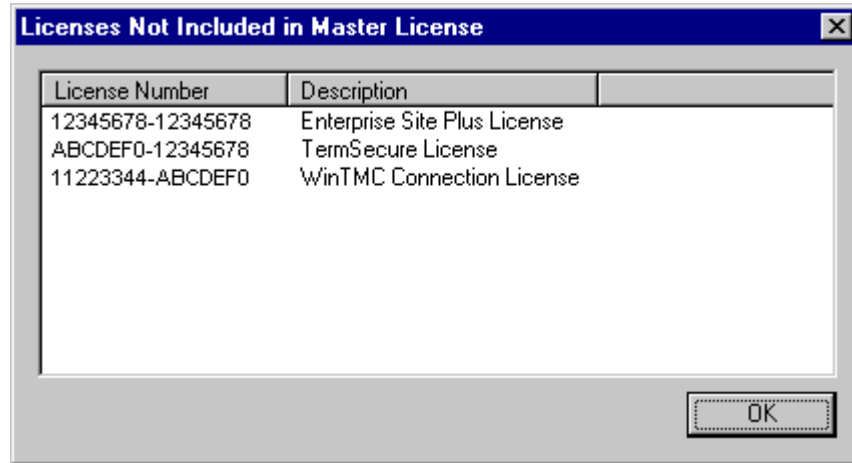Each WinTMC requires a Terminal Connection License and a WinTMC License. The product license code for the WinTMC is added to the master license like other product license codes as described in License Activation.

4.5 TermSecure Licenses

TermSecure is licensed on a Per-User License. Each ThinManager Server installation comes with a 5-user TermSecure license. This allows you to try and use TermSecure with ThinManager before buying.

Additional user licenses for TermSecure can be purchased and added to the master license as described in License Activation.

4.6 Upgrading to ThinManager 5 from Older ThinManager versions

Start the activation process by going to https://secure.randombytes.com/TM40_License. See Online Activation for details.

Login to the license site. Create an account as needed. See New Account for details.

Select the *Create Master License* link to create a new Master License. See Creating a Master License for details.

Select the Manage *Master License* link to view the master license. Select the *Add Product License* link and add each of your current Product License Numbers to the newly created Master License. See Add Product License for details.

The ThinManager 3.X Product License Numbers can be found by selecting *Install > Licenses > Show Old Licenses* in ThinManager. See Show Old Licenses for details.

Activate the Master License once all the product codes are added. Select the *Activate Master License* link to activate the master license. See Activate the Master License for details.

Once the Master License is activated it need to be downloaded and installed in ThinManager. See Activate the Master License; Download the Master License, and Adding a Master License to ThinManager for details.