Licensing ThinManager

ThinManager Licensing

ThinManager 4 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.

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 changed from per-terminal licensing to per-user licensing. Additionally, 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 now included in ThinManager 4 Terminal Connection Licenses include:

- MultiSession
- SmartSession
- Instant Failover
- Redundant Ethernet
- Share Keyboard and Mouse

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 reapplied to the ThinManager Server.

License Activation

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.

Synchronization

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

See Automatic Synchronization for details.

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.

New Account

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

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New User Entry

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

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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.

Login to Site

Select the *Login* link to enter the site.

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Login New User	Enter your ThinManager user name & password that was emailed to you from <u>licenses@acpthinclient.com</u> . Once you log in, you may download your ACP Activation License file.	
	User Name / Email Address	
	Password	
	Login	
	Do you need help logging in? Lam a new user. I forgot my username or password.	
<u>ThinManager Hom</u>	e ThinManager Original License Site Licensing Tech Notes	
Done		🍫 🔻 🔍 100% 👻 🎢

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.

Creating a Master License

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

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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.

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Create a master license form			·
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Logout	License Number	1111-2222-3333-ABCD	
	Description	Production Servers	
User	ThinManager Title Bar Description		
Manage Account	Company	ACP	
Create Master License	Address	4080 McGinnis Ferry Rd Suite 801	
Manage Master Licenses	City	Alpharetta	
Activate Master License	State	GA	
mstory	Zip/Postal Code	30005	
	Country	USA	
	Redundancy	none	
	Has Support	No	
ThinMan	ager Home ThinManager Original Licens	e Site Licensing Tech Notes	

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.

Manage Master Licenses

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

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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.

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.

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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.

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.

Logged In: paul@paulburns.com Logout User	[View License Select the target s This master license is redundant or mirr the server on which the product license v	s] [Create New] [Activate] erver for this product license ored, and the product license is n vill be installed	ot. You must pick
Manage Account Create Master License Add Product License Activate Master License Manage Master Licenses History	Master License Number License Number	ABCD-1234-ABCD-5678 12345678-12345678	
Support Tech Support	Target Server	• Primary	C 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.

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Logged In: paul@paulburns.co Logout	m	[View	Licer	nses] (C <i>Licen</i>	create New] [Ad se Details	ctivate]		
		License Number	51E	BC-CA7	2-C4AA-E167			
User Manage Account		Server Description	Der	mo_Red	dundundacy			
Add Product License		Site Description						
Activate Master Licens Manage Master Licens	se es	Created	01/	20/2011				
History		Created By paul@paulburns.com						
Support		City/State Alpharetta/GA						
Tech Support		Disabled NO						
Con Support		Activate Limit	1					
		Support	No	ne				
		Description	Der	mo_Red	dundundacy			
		Redundancy	full					
		[Edit]	[Dele	ete] [Rer	nove Product Li	icense]		
			F	roduct	Licenses			-
Product License		Туре		Count	Redundancy	Primary	Secondary	Version
12345678-12345678	Termi	nal Connection Lice	nse	5	none	Valid	Invalid	4.0
87654321-87654321	Termi	nal Connection Lice	nse	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.

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 - Window	s Internet Explorer	
le Edit View Eavorites Tools	Bytes.com/IM4U_License/MasterLicense/ActivateLicense/III	
Activate Master License		Delett
ThinMan	ager Licensing	
Logged In:	[View Licenses]	[Create New] [Activate]
Logout	Activate Master Licens	ise 1111-2222-3333-ABCD
lleor	Enter the Installation Id for the Master License Activation	
User Manage Account Create Master License Manage Master Licenses Activate Master License History	The Installation ID is the number from the bottom of the Li display the Licensing dialog. This number must be typed i	Licensing dialog in ThinManager. Select Install->Licenses to t in exactly as shown.
	Primary Installation ID Secondary Installation ID Site Description Company Name ACP 4080 McGinnis Ferry Rd Suite 801	

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.

Licensing				
Master License Number				
License Number	Description	Location	Redundancy	Expiration
•				
Installation Id-				
GREEN	(primary) 6666-AAAA-BBBB-1111-2222-33	333		
	TSE46 4444-6666-CCCC-DDDD-1111-22	22		
Install License Delete	License Details Install De	mo Code Shov	v Old Licenses	Done

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.

Download the Master License

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

View Master Lic	enses - Windows I	nternet Explorei						- 🗆
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Logout	, ar donnam.com			View Ma	ster Licenses			
1	User				Master License	Description	Creation	
Manage Ad Create Ma Manage Ma Activate M	count ster License aster Licenses laster License	Download File	Add Product License	Edit License	111-222-333-ABCD	Spare	12/03/2009	
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View Master License

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

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			TM_License1111-2222-3333-ABCD.lic			
	Us	er	Note: Some web browsers will change the name of the file as it is saved to the disk			
	Manage Acco Create Maste Manage Mast Activate Mast History	unt r License er Licenses ter License	The filename must be kept the same as shown above. Otherwise, ThinManager may not recognize the license file.			
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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.

Adding a Master License to ThinManager

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

Licensing				
Master License Number				
License Number	Description	Location	Redundancy	Expiration
			· · · ·	
•				▶
- Installation Id-				
CDEEN		222		
GREEN	(piinaly) 0000-AAAA-DDDD-1111-2222-3.	333		
Install License Delete	License Details Install De	mo Code Show	v Old Licenses	Done

Licensing Window – Single ThinManager Server

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

Licensing					
1	Master License Number				
	License Number	Description	Location	Redundancy	Expiration
		· ·			
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	- Installation Id		222		
	UNEEN	(primary) [6006-AAAA-BBBB-1111-2222-3			
		TSE46 4444-6666-CCCC-DDDD-1111-22	222		
	1				
	Install License Delete	License Details Install D	emo Code Shov	v Old Licenses	Done
1					

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.

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Look jn: 🔁	40_GreenLicense 💽 🗢 🖻 📅 🎫
TMLicense	_1111-2222-3333-ABCD.lic
J.	
File <u>n</u> ame:	TMLicense_TTT-2222-3333-ABCD.lic Upen
Files of type:	ThinManager License Files Cancel
	Open as read-only

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						
	Master License Number	1111-2222-333-ABCD				
	License Number	Description	Location	Redundancy	Expiration	
	4444-5555-6666-7777	Terminal Connection Redundant License	GREEN,TSE46	full	Never	
	5555-6666-7777-8888	WinTMC Connection Redundant License	GREEN,TSE46	full	Never	
					Þ	
	Installation Id GBEEN (primeru) 6666. AAAA.BBBB.1111.2222.3333					
		15E46 J 4444-6666-CCCC-DDDD-1111-22	22			
	Install License Delete	License Details Install De	emo Code Sho	w Old Licenses	Done	

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.

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.

License Details

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

License Details				
master license license a	activator license owner			
Product	ThinManager	▲		
Version	3			
Master License Number	1111-2222-3333-ABCD			
Primary Install ID	6666-AAAA-BBBB-1111-2222-3333			
Secondary Install ID	4444-AAAA-CCCC-DDDD-1111-2222			
Issue Date	12/03/2009			
Reason				
Company	ACP			
Location	Green/TSE46			
Address	4080 McGinnis Ferry Rd Suite 801			
City	Alpharetta			
State	GA			
<u> </u>				

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.

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	×
Visit www.thinmanager.com to receive a demo code. You will need the installation id from ThinManager.	OK]
	Cancel
Enter the demo code from the ThinManager.com website	

Install Demo Code Window

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

Show Old Licenses

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

Licenses Not Included in Master License				
	License Number	Description		
	12345678-12345678	Enterprise Site Plus License		
	ABCDEF0-12345678	TermSecure License		
	11223344-ABCDEF0	WinTMC Connection License		
			OK	
			S	

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 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.

TermSecure Licenses

ThinManager 4 made two changes to TermSecure licensing. First, it changes the licensing model from **Per-Terminal licenses** to **Per-User licenses**. Second, it adds a 5-user TermSecure license to each ThinManager Server installation. This allows you to try and use TermSecure with ThinManager.

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

Upgrading to ThinManager 4 from Older ThinManager versions

Start the activation process by going to <u>https://secure.randombytes.com/TM40_License</u>. 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.