ETA License Manager User's Manual

Version 1.0



Engineering Technology Associates, Inc. 1133 E. Maple Road, Suite 200 Troy, MI 48083-2896

Phone: +1 (248) 729 3010 Support: +1 (800) 382 3362 Fax: +1 (248) 729 3020 Engineering Technology Associates, Inc., ETA, the ETA logo, and ETA License Manager are the registered trademarks of Engineering Technology Associates, Inc. All other trademarks or names are the property of the respective owners.

©1998-2014 Engineering Technology Associates, Inc. All rights reserved.

TABLE OF CONTENTS

INTRODUCTION	4
1.1 ETA LICENSE MANAGER INSTALL GUIDE	5
1.2 MANAGE ETA PROGRAM LICENSE	10
1.2.1 RUN ETA PROGRAM WITH NETWORK LICENSE	10
1.2.2 RUN ETA PROGRAM WITH NODE LOCK LICENSE	22
1.3 MANAGE LS-DYNA LICENSE	26
1.3.1 INSTALL LS-DYNA LICENSE ON SERVER MACHINE	26
1.3.2 RUN LS-DYNA SOLVER ON CLIENT MACHINE	31
1.4 MANAGE SHERPA LICENSE	35
1.4.1 INSTALL SHERPA LICENSE ON SERVER MACHINE	35
1.4.2 RUN SHERPA ON CLIENT MACHINE	40
1.4.3 TROBLE SHOOTING	43
1.5 REQUEST LICENSE	46

INTRODUCTION

ETA License Manager is used to manage the license of ETA programs, LS-DYNA and SHERPA, also used to generate the log of license request.

1.1 ETA LICENSE MANAGER INSTALL GUIDE

ETA License Manager can be installed as a stand-alone installation package, or can be installed immediately after eta program installation. The installation package can be downloaded from ETA's download site.

To install ETA License Manager, the user needs to do the following steps.

Step 1: Download the ETA License Manager 1.0 stand-alone installation package from ETA's download site.

Step 2: Click the ETA License Manager 1.0 stand-alone installation package to open the ETA License Manager 1.0 installation application.

Note:

- 1. Administrative privilege is required to install ETA License Manager.
- 2. The installation application can be opened by clicking **Finish** after eta program installation, as illustrated in Figure 1.1.1.



Figure 1.1.1 Install ETA License Manager

Step 3: Click Next to begin the installation, as illustrated in Figure 1.1.2.



Figure 1.1.2 Open ETA License Manager

Step 4: The License Agreement is displayed. The user accepts the terms and conditions by selecting "I accept the agreement", as illustrated in Figure **1.1.3**. The installation can be terminated by selecting "I do not accept the agreement".

🕮 Setup - ETALicenseManager	_ 🗆 🗙
License Agreement Please read the following important information before continuing.	Ð
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.	
ETALicenseManager for Microsoft Windows Copyright (C) 1998 - 2014 Engineering Technology Associates, Inc. ALL RIGHTS RESERVED Warning: ETALicenseManageris a trademark of E.T.A. and is protected by copyright law and international treaties. Unauthorized reproduction or distribution of this program or any portion of the ETALicenseManager package, excluding the Acrobat Reader, may result in severe civil and criminal penalties, and shall be prosecuted to the full extent of the law. As a ETALicenseManager user I agree to not copy this software or any part of it I accept the agreement I do not accept the agreement	
< Back Next > C	Cancel

Figure 1.1.3 Accept the agreement

Step 5: The user confirms the products being installed by selecting **NEXT** at the next step of this installation, as illustrated in Figure **1.1.4**.

🕮 Setup - ETALicenseManager	_ 🗆 🗙
Information Please read the following important information before continuing.	
When you are ready to continue with Setup, click Next.	
ETALicenseManager 1.0 Windows 2000/XP/Vista/Win7/win8 ETA Apr.24, 2014	
< Back Next >	Cancel

Figure 1.1.4 Information

Step 6: Choose the folder in which the ETA License Manager 1.0 will be installed, as illustrated in Figure **1.1.5**. You may use the default installation location (C:\Program File (x86)\ETA\LicenseManager 1.0) or select "Browse.." to select a different folder. Click **Next** to continue the installation.

🕮 Setup - ETALicenseManager	
Select Destination Location Where should ETALicenseManager be installed?	
Setup will install ETALicenseManager into the following fold	er.
To continue, click Next. If you would like to select a different folder,	click Browse.
C:\Program Files (x86)\ETA\LicenseManager 1.0	Browse
At least 12.7 MB of free disk space is required.	
< Back Next	> Cancel

Figure 1.1.5 Install Folder

Step 7: The user may select the name of the Shortcut created for ETA License Manager, as illustrated in Figure **1.1.6**. The default shortcut is the name of the executable file for ETA License Manager 1.0. To accept the default name, select **Next**. If you wish to change the name of the shortcut, type a new name in the field and then select **Next**.

🕮 Setup - ETALicenseManager
Select Start Menu Folder Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
ETALicenseManager 1.0 Browse
< Back Next > Cancel

Figure 1.1.6 Shortcut Name

Step 8: The installation will create a desktop icon if you desire. If the user does not want to create a desktop icon, uncheck the box, as illustrated in Figure **1.1.7**. The user selects **Next** to proceed in the installation.

🕮 Setup - ETALicenseManager	_ 🗆 🗙
Select Additional Tasks Which additional tasks should be performed?	
Select the additional tasks you would like Setup to perform while installing ETALicenseManager, then click Next.	
Additional icons:	
Create a desktop icon	
< Back Next >	Cancel

Figure 1.1.7 Create Desktop Icon

Step 9: The installation program is now ready to install ETA License Manager in the desired location, with the desired options, as illustrated in Figure **1.1.8**. Select **Install** to proceed with the installation, **Back** to return to a previous step of the installation or **Cancel** to terminate the installation process.

🕮 Setup - ETALicenseManager	_ 🗆 🗙
Ready to Install Setup is now ready to begin installing ETALicenseManager on your computer.	
Click Install to continue with the installation, or click Back if you want to review or change any settings.	,
Destination location: C:\Program Files (x86)\ETA\LicenseManager 1.0	
Start Menu folder: ETALicenseManager 1.0	
Additional tasks: Additional icons: Create a desktop icon	
	-
< Back Install	Cancel

Figure 1.1.8 Ready to Install

Step 10: After the installation has been successfully completed, a confirmation window will be displayed. The installation process is now completed and you can start the ETA License Manager program by checking the "Launch ETALicenseManager" box, as illustrated in Figure **1.1.9**.



Figure 1.1.9 Installation Completed

By selecting "Finish" the user completes the installation and exits the installation application.

1.2 MANAGE ETA PROGRAM LICENSE

eta/Programs tab is used to manage the network license and node lock license of ETA programs: ETA/DYNAFORM, ETA/VPG and ETA/PreSys, as shown in Figure **1.2.1**.



Figure 1.2.1 ETA License Manager

1.2.1 RUN ETA PROGRAM WITH NETWORK LICENSE

Network license is used to install the license on the server machine, and the client machine can connect the server to run eta programs. Before using network license, the user needs to install ETA program license and start the ETA License Server service on the server machine.

1.2.1.1 Install ETA Program License on Server Machine

To install the ETA program license on Server machine, and start ETA License Server Service, the user must do the following steps.

Step 1: Request an ETA program License.

User can do the steps in section 1.5 Request License to request an ETA program license.

Step 2: Run ETA License Manager

On the Server machine, double-click the "ETA License Manager" icon on the desktop, or click "ETA License Manager" in the Program Start Menu: Start \rightarrow All Programs \rightarrow ETALicenseManager 1.0 \rightarrow ETA License Manager.

Note:

- 1. User can do the steps in section 1.1 to install ETA License Manager.
- 2. Administrative privilege is required to run ETA License Manager.

Step 3: Select Server

Select *Server* in *eta/Programs* tab to install the license on the server machine, as illustrated in Figure **1.2.1**.

🕮 ETA License Manager	
eta/Programs LS-DYNA SHERPA Request License	۶ 🧇
Server O Client O Node Lock	
License Server localhost License Server Port Number 11234	
Import Install Start Stop Uninstall	
License Information	
Server Info O License Summary O License in Use Refresh	
PORT: 11234	
Current status : No valid license file and server is not installed	erver Log
	Exit

Figure 1.2.2 Select Server

Step 4: Import License

Click *Import*, select the folder in which the license is put, and select the license file, such as *xxx_eta.lic* as illustrated in Figure 1.2.3 and Figure 1.2.4.

🕮 ETA License Manager	
eta/Programs LS-DYNA SHERPA Request License	۶ 🧇
Server O Client O Node Lock	
License Server Port Number 11234	
Install Start Stop Uninstall	
License Information	
Server Info O License Summary O License in Use Refresh	
SERVER: localhost FORT: 11234	
Current status : No valid license file and server is not installed	Log
	Exit

Figure 1.2.3 Click Import

🕮 Open					×
Look in:	Iicense_file	•	🗢 🗈 (* 💷 🔻	
(B-1)	Name 👻			Date modified	I 🔽
	📄 xxx_eta.lic			2014/5/4 14:	:09
Recent Places					
Desktop					
Libraries					
Computer					
Network					
	•				
	File name:	xxx_eta.lic		•	Open
	Files of type:	License File (*.lic)		•	Cancel

Figure 1.2.4 Select license file

Click *Open* to import the license. The license file will be imported, named with new a name **eta.lic** and put in the ETA License Manager installed folder, as shown in Figure **1.2.5**.

LicenseManager 1.0				_	
October States Computer ▼ Windows7_OS (🌀 🗇 🗼 🔻 Computer 👻 Windows7_OS (C:) 👻 Program Files (x86) 👻 ETA 👻 LicenseManager 1.0 🛛 🔹 😰 Search LicenseManager 1.0				
Organize 🔻 🔄 Open 👻 Compatibility	files New folder			· 🗉 🔹 🛄	0
Documents	Name *	Date modified	Туре	Size	ŀ
Jusic	i chmhelp.dl	2012/2/14 9:20	Application extension	208 KB	
Videos -	CommonUI.dl	2012/11/14 14:24	Application extension	156 KB	
	🖹 eta.lc	2014/5/13 20:14	LIC File	4 KB	
🜏 Homegroup	eta_clent.lc	2014/5/13 20:14	LIC File	1 KB	
	eta_lsrv.exe	2013/7/30 11:22	Application	500 KB	
ille Computer	eta_lsrv.log	2014/5/13 20:14	LOG File	2 KB	
Windows7_OS (C:)	eta_query.exe	2012/11/14 14:24	Application	480 KB	
Local Disk (D:)	😵 etaLicenseManager.chm	2013/7/1 15:19	Compiled HTML Hel	4,324 KB	
Lenovo_Recovery (Q:)		~~~~~~~~			_
eta.ic Date modified: 2014/5/13 LIC File Size: 3.97 KB	20:14 Date created: 2014/5/13 20:	14			

Figure 1.2.5 ETA License Manager installed folder

Note: License file must be generated on the server machine, where the **eta program** license serve will be installed.

After clicking **Open**, if the license is valid, the program will pop up the dialog with the message "*License file is imported successfully*", as illustrated in Figure **1.2.6**.

ETA License Manager Message
License file has been imported successfully.
ОК

Figure 1.2.6 Valid License

If the license is not valid, the program will pop up the dialog with the message "*No valid license in file xxx_eta.lic*" as illustrated in Figure **1.2.7**. Please check the license file.

ETA License Manager Message	
No valid license in file D:/DYNAFR~1.2/license/LICENS~1/xxx_	eta.lic
ОК	

Figure 1.2.7 No Valid License

After import the eta program license file, ETA License Manager will auto install **ETA License Server** service in the Windows service, and start the **ETA License Server Service** on Server machine, as illustrated in Figure **1.2.8**.

Computer Management				_ C	×
File Action View Help					
🛓 Computer Managemen 🔺	Name 🔺	Description	Status	Startup	
🗉 🎁 System Tools	Carling Diagnostic Service Host	The Diagn	Started	Manual	1
• O Task Scheduler	Carling Diagnostic System Host	The Diagn	Started	Manual	
🗉 🛃 Event Viewer	🔍 Disk Defragmenter	Provides Di		Manual	1
E Shared Folders	Gistributed Link Tracking Client	Maintains li	Started	Automatic	1
E Local Users and C	Gistributed Transaction Coordinator	Coordinate		Manual	1
	Client	The DNS Cl	Started	Automatic	
device Manager	Encrypting File System (EFS)	Provides th		Manual	
Storage	ETA License Server		Started	Automati	
Disk Managemen Services and Applica	Extensible Authentication Protocol	The Extens	Started	Manual	.
Services	•				
∢ ►	Extended & Standard				

ervice name:	ETALicenseServer
Display name:	ETA License Server
Description:	- - -
ath to executabl	e: = //20//ETAN isonaa Maanaan 1 (kala Jaw asa" "C').Doorang Ed
V PRODUCTION PURCH	s ixoolic i Allicensemanader i Uieta Isrvexe U.Prodram File
Startup type:	Automatic (Delayed Start)
Startup type:	Automatic (Delayed Start)
Startup type: <u>Ielp me configue</u> Service status:	Automatic (Delayed Start) <u>e</u> e service startup options. Started
Startup type: Help me configur Service status Start	Automatic (Delayed Start) e service startup options. Started Stop Pouse Pecume

Figure 1.2.8 ETALicenseServer Service

Note:

1. The server license is installed and the client license file is also generated in the eta program installation folder, as illustrated in Figure **1.2.9**.



Figure 1.2.9 Install Folder

The program puts the client license file in eta program installed folder, or manually copies it in other eta program installed folder. After starting **ETA License Server** Service, the user can run eta program on the **Server** machine, and the **Server** machine will be one client on itself.

Note: The program has generated the client license in the eta program installed Folder of the server machine. After starting **ETA License Server** Service on server machine, user can run eta program on server machine. To run eta program on the client machine, the user needs to install the client license on client machine.

Stop ETA License Server Service

After clicking **Stop**, the **ETA License Server** Service is stopped and the user cannot run eta program on the client and server machines, as illustrated in Figure **1.2.10**.

ETA License Manager	_ 🗆 🗙
eta/Programs LS-DYNA SHERPA Request License	۶
Server O Client O Node Lock	
License Server localhost License Server Port Number 11234	
Import Install Start Stop Uninstall	
Elicense Information O License Summary O License in Use Refresh	
SERVER INCOMMATION SERVER: localhost PORT: 11234 PRODUCT: INC_SOLVER 5.90 PRODUCT: DIVAFORM 5.90 PRODUCT: DOTARORM 5.92 PRODUCT: FORMING_ADV 5.92 PRODUCT: BSE-IN-NX 2.00 REFERENCE NO: 0 SYSTEM ID: clf033de63f16bb299fde31245b3 SERVER FILE LICENSE FILE: C:\Program Files (x86)\ETA\LicenseManager 1.0\eta.lic	
Current status : Server is running Serve	r Log
	Exit

Figure 1.2.10 Stop License

Uninstall ETA License

By clicking **Uninstall**, the **ETA License Server** Service will be uninstalled, and the ETA license file under the **ETA License Manager** installation folder will be removed at the same time, as illustrated in Figure **1.2.11**. The user must import and install the license again to start the **ETA License Server** Service. The license server needs to be stopped to activate the Uninstall button.

ETA License Manager	_ 🗆 🗙
a/Programs LS-DYNA SHERPA Request License	۶ 🔶
Server O Client O Node Lock	
License Server localhost License Server Port Number 11234	
Import Install Start Stop Uninstall	
License Information Server Info C License Summary License in Use Refresh	
SERVER: localhost FORT: 11234 PRODUCT: INC SOLVER 5.90 PRODUCT: DYNAFORM 5.90 PRODUCT: DYNAFORM 5.90 PRODUCT: DYNAFORM 5.92 PRODUCT: DSE-IN-NX 2.00 REFERENCE NO: 0 SYSTEM ID: clf033de63f16bb299fde31245b3 SERVER FILE	
LICENSE FILE: C:\Program Files (x86)\ETA\LicenseManager 1.0\eta.lic	
Current status : Server is stopped Server	Log
	Exit

Figure 1.2.11 Uninstall

1.2.1.2 Install ETA Program Client License on Client Machine

Install the ETA Program Client License on client machine so that user can run ETA programs on Client machine.

Install ETA Program Client License on Server machine.

When installing ETA Program License on **Server** machine as illustrated in the section 1.2.1.1, the program has installed a client license in the selected ETA program installation folder. The user can run eta program in the folder. To run other version of ETA program on server machine, the user needs to do the following steps.

Step 1: Run "ETA License Manager"

On the Client machine, double-click the "ETA License Manager" icon on the desktop, or click "ETA License Manager" in the Program Start Menu: Start \rightarrow All Programs \rightarrow ETALicenseManager 1.0 \rightarrow ETALicenseManager.

Note:

- 1. User can do the steps in section 1.1 to install ETA License Manager.
- 2. Administrative privilege is required to run ETA License Manager.

ETA License Manager	_ 🗆 🗡
eta/Programs LS-DYNA SHERPA Request License	۶ 🔶
Server Client ONde Lock	
License Server localhost License Server Port Number	1234
Import Install Start Stop Uninstall	
License Information Server Info O License Summary O License in Use Refresh	
SERVER: localhost PORT: 11234 PRODUCT: INC_SOLVER 5.90 PRODUCT: DYNAFORM 5.90 PRODUCT: DYNAFORM 5.92 PRODUCT: FORMING_ADV 5.92 PRODUCT: BSE-IN-NX 2.00 REFERENCE NO: 0 SYSTEM ID: clf033de63fl6bb299fde31245b3 SERVER FILE LICENSE FILE: C:\Program Files (x86)\ETA\LicenseManager 1.0\eta.lic	
Current status : Server is running	Server Log
	Exit

Figure 1.2.12 ETA License Manager

Step 2: Select Client

Select *Client* in *eta/Programs* tab to install client license.

Step 3: Select Location to Install

Click *Location to install*, and then select the folder where the eta program is installed on the Client Machine, as illustrated in Figure 1.2.13 and Figure 1.2.14.



Figure 1.2.13 Location to install

Browse for Folder	×
Select Directory:	
🖃 📕 D'	/D Maker 🔺
	en-US
📃 🛛 🕀 📜	Shared
🗆 📃 🖬	TA 📃
±)	BSE-in-NX2.0
📃 🗉 📜	CADTranslator24.0
	Dynaform 5.8.1
📃 🛛 🕀 📜	Dynaform 5.9.1
	Dynaform 5.9.2
📃 🛛 🕀 📜	PreSys 2012
, <u> </u>	
	OK Cancel

Figure 1.2.14 Select the eta program Install Folder

Step 4: Fill License Server

Fill in the License Server with *localhost* or *IP Address* of the Server machine, as illustrated in Figure **1.2.15**. The program has automatically filled with "localhost" on the Server machine.



Figure 1.2.15 Fill License Server

Note:

- 1. If filling in the IP Address, it should be the IP address of the Sever machine itself. The IP Address of the Server machine should be static, not dynamic.
- 2. Some machines have more than one network adapter, there will be more than one IP Address, and IP Address may be static or dynamic, so it is better to fill in the full computer name in the Client of Server machine.

Step 5: Install Client License

By clicking *Install*, the client license eta.lic file is generated, and put in the folder identified in Step 3, as illustrated in Figure **1.2.16**.

🕮 ETA License Manager	
eta/Programs LS-DYNA SHERPA Request License	۶ 🧇
© Server	
License Server Vocalhost License Server Port Number 11234	
Import Install Start Stop Uninstall	
License Information	
Server Info O License Summary O License in Use Refresh	
SERVER: localhost PORT: 11234 Current status : Client mode(Location: C:\Program Files\ETA\BSE-in-NX2.0)	
	Exit

Figure 1.2.16 Install Client License

Install ETA Program Client License on Client Machine

To install eta program Client license on a Client machine, the user must complete the following steps.

Step 1: Run "ETA License Manager" on Client Machine

On the Client machine, double-click the "ETA License Manager" icon on the desktop, or click "ETA License Manager" in the Program Start Menu: Start \rightarrow All Programs \rightarrow ETALicenseManager 1.0 \rightarrow ETALicenseManager.

Note:

- 1. User can do the steps in section 1.1 to install ETA License Manager.
- 2. Administrative privilege is required to run ETA License Manager.

🕮 ETA License Manager	_ 🗆 🗙
eta/Programs LS-DYNA SHERPA Request License	۶ 🧇
Server O Client O Node Lock	
License Server localhost License Server Port Number 11234	
Import Install Start Stop Uninstall	
License Information	
Server Info O License Summary O License in Use Refresh	
SERVER: localhost PORT: 11234	
Current status : No valid license file and server is not installed	er Log
	Exit

Figure 1.2.17 ETA License Manager

Step 2: Select Client

Select *Client* in *eta/Programs* tab to install client license, as i.

Step 3: Select Location to Install

Click *Location to install* and select the folder where the eta program is installed on the Client Machine, Figure 1.2.18 and Figure 1.2.19.

🕮 ETA License Manager	_ 🗆 🗙
eta/Programs LS-DYNA SHERPA Request License	۶ 🔶
Server Client O Node Lock Location to Install	
License Server Dort Number 1123	4
Import Install Start Stop Uninstall	
License Information	
Server Info C License Summary C License in Use Refresh	
Current status : Client mode(Location: C:\Program Files\AuthenTec)	
۲ ۱	Exit
-	

Figure 1.2.18 Location to install

Browse for Folder	×
Select Directory:	
🖃 📙 DVD Maker	
📙 en-US	
🕀 🕕 Shared	
🖃 📜 ETA	
⊞ 📙 BSE-in-NX2.0	
🕀 🗼 CADTranslator24.0	
L Dynaform 5.8.1	
🕀 🗼 Dynaform 5.9.1	
bynaform 5.9.2	
🕀 📙 PreSys 2012	-
OK Car	ncel

Figure 1.2.19 Select eta program Install Folder

Step 4: Fill License Server

Fill in the License Server with *IP Address* or *full computer name* of the Server machine, as illustrated in Figure 1.2.20.

ETA License Manager Eta/Programs LS-DYNA SHERPA Request License	_
© Server Client © Node Lock Location to Install	
License Server 200.1.1.94 License Server Port Number 112	234
Import Install Start Stop Uninstall	
License Information Server Info O License Summary O License in Use Refresh	
SERVER 200.1.1.94 PORT: 11234	
Current status , Cilent mode(Location, C. Program Files/AuthenTec)	
	Exit

Figure 1.2.20 Fill License Server

Note:

- 1. If filling in the IP address in License Server, it should be the IP address of the Sever machine, where the eta program Server license is installed. The IP Address of the Server machine should be static, and not be allowed to change.
- 2. If filling in full computer name in License Server, it should be the full computer name of the Server machine, where eta program server license is installed.

Step 5: Install Client License

By clicking *Install*, the client license eta.lic file will be generated, and put in the folder identified in Step 3, as illustrated in Figure **1.2.21**.

🕮 ETA License Manager	_ 🗆 X
eta/Programs LS-DYNA SHERPA Request License	۶ 🧇
Server Server O Node Lock Location to Install	
License Server 200.1.1.94 License Server Port Number 11234	
Import Install Start Stop Uninstall	
License Information	
Server Info OLicense Summary OLicense in Use Refresh	
FORT: 11234	
	Evit 1
	Exit



1.2.2 RUN ETA PROGRAM WITH NODE LOCK LICENSE

Using Node Lock License, the user only needs to import the license and install it in the eta program installation folder. To setup the Node Lock License, the user needs to do the following steps.

Step 1: Run "ETA License Manager"

Open "ETA License Manager" by clicking the icon on desktop, or by clicking "ETA License Manager" in the Program Start Menu: Start \rightarrow All Programs \rightarrow ETALicenseManager 1.0 \rightarrow ETALicenseManager.

Note:

- 1. User can do the steps in section 1.1 to install ETA License Manager.
- 2. Administrative privilege is required to run ETA License Manager.

🕮 ETA License Manager	
eta/Programs LS-DYNA SHERPA Request License	۶ 🧇
Server O Client O Node Lock	
License Server localhost License Server Port Number 11234	
Import Install Start Stop Uninstall	
_ License Information	
Server Info O License Summary O License in Use Refresh	
SERVER: localhost FORT: 11234	
Current status : No valid license file and server is not installed	Log
	Exit

Figure 1.2.22 ETA License Manager

Step 2: Select Node Lock

Select *Node Lock* in *eta/Programs* tab and the license will be installed as node lock license.

Step 3: Select Location to Install

Click *Location to install* and select the folder where the eta program is installed on the Client Machine, as illustrated in Figure 1.2.23 and Figure 1.2.24.

🕮 ETA License Manager	_ 🗆 🗙
eta/Programs LS-DYNA SHERPA Request License	۶ 🧇
© Server © Client	
License Server Port Number 11234	
Import Install Start Stop Uninstall	
License Information	
Server Info C License Summary C License in Use Refresh	
Current status : Node lock (Location: C:\Program Files\ETA\BSE-in-NX2.0)	
	Exit

Figure 1.2.23 Location to install

Browse for Folder		×
Select Directory:		
= 📜	DVD Maker	
	👢 en-US	
÷	👢 Shared	
Ξ 📃 📃	ETA	
Ŧ	BSE-in-NX2.0	
÷	L CADTranslator24.0	
	📙 Dynaform 5.8.1	
+	📙 Dynaform 5.9.1	
	l Dynaform 5.9.2	
Ŧ	📙 PreSys 2012	-
	· ·	
	ОК	Cancel

Figure 1.2.24 Select eta program Install Folder

Click **OK** to locate the license installation folder.

Step 4: Import ETA License

Click *Import*, select which the folder where the license was saved, and select the license file, such as *xxx_eta.lic*, as illustrated in Figure 1.2.25.

🕮 Open				×
Look in	icense_file	•	← 🗈 😁 🎟▼	
Recent Places	Name 👻 xxx_eta.lic		✓ Date modified 2014/5/4 14:	09
Desktop				
Libraries				
Network				
	•			Þ
	File name:	xxx_eta.lic	•	Open
	Files of type:	License File (*.lic)	•	Cancel

Figure 1.2.25 Import License File

The eta.lic file will be placed in the located selected in Step 3.

1.3 MANAGE LS-DYNA LICENSE

The LS-DYNA License tab is used to manage the **Server** and **Client** of the LS-DYNA network license. Install the LS-DYNA license on the server machine and the client machine can connect the server to run the LS-DYNA solver.

1.3.1 INSTALL LS-DYNA LICENSE ON SERVER MACHINE

To install the LS-DYNA License and start the LSTC License Manager Service on Server machine, the user must do the following steps.

Step 1: Request a LS-DYNA License.

User can do the steps in section 1.5 Request License to request a LS-DYNA License.

Step 2: Run ETA License Manager

On the Server machine, double-click the "ETA License Manager" icon on the desktop, or click "ETA License Manager" in the Program Start Menu: Start \rightarrow All Programs \rightarrow ETALicenseManager 1.0 \rightarrow ETALicenseManager.

Note:

- 1. User can do the steps in section 1.1 to install ETA License Manager.
- 2. Administrative privilege is required to run ETA License Manager.

Step 3: Select Server

Switch to **LS-DYNA** tab and select *Server* to install the license on the server machine, as illustrated in Figure 1.3.1.

🕮 ETA License Manager	
eta/Programs LS-DYNA SHERPA Request License	۶ 🧇
Server O Client	
License Server localhost License Server Port Number 310	010
Import Install Start Stop Uninstall	
License Information Server Info O License Summary O License in Use Refresh	Kill Job
*** ERROR failed to open server localhost	
Current status : No valid license file and server is not installed	
	Exit

Figure 1.3.1 Select Server

Step 4: Import License

Click *Import*, select the folder where which folder the license was saved, and select the license file, such as *xxx_server_data*, as illustrated in Figure 1.3.2 and Figure 1.3.3.

🕮 ETA License Manager	
eta/Programs LS-DYNA SHERPA Request License	🌳 🤋
Server O Client	
License Server localhost License Server Port Number 31	010
Import Install Start Stop Uninstall	
License Information	
Server Info C License Summary O License in Use Refresh	Kill Job
*** ERROR failed to open server localhost	
Current status : No valid license file and server is not installed	
	Exit

Figure 1.3.2 Click Import

1

🕮 Open						×
Look in:	👢 license_file	•	-	• 🕂 🎟 ▼		
A -	Name 👻			- Date modifi	ed (•
1	xxx_server_da	ita.txt		2013/12/5	9:28	
Recent Places						
Desktop						
Libraries						
Computer						
Network						
	•					
	File name:	xxx_server_data.txt		•	Open	
	Files of type:	License File (*server_data*)		•	Cancel	
						111

Figure 1.3.3 Select the license file

Click *Open* to import the license. The license file will be imported, named with the new name **server_data** and put in the ETA License Manager installed folder, as illustrated in Figure **1.3.4**.

LicenseManager 1.0					_	
GO- L ▼ Computer ▼ Wind	ows7_OS (C:) ▼ Program Files (x86) ▼ ETA ▼ Licens	eManager 1.0	 ✓ 	Search LicenseMa	anager 1.0	<u> </u>
Organize 🔻 📄 Open Comp	atibility files New folder				=	0
💐 Videos 🔺	Name 🔶	Date modified	Туре	Size		^
	stc_qkii.exe	2013/5/29 10:34	Application	97 KB		_
🝓 Homegroup	📧 lstc_qrun.exe	2013/5/29 10:34	Application	104 KB		
	Istclm.exe	2013/5/29 10:34	Application	297 KB		
le Computer	Istclm.log	2014/5/18 10:04	LOG File	0 KB		
😻 Windows7_OS (C:)	🔊 arun.inf	2014/5/18 10:04	Setup Information	1 KB		
Iocal Disk (D:)			• • • • • • • • •	4 500 100		
🚷 Lenovo_Recovery (Q:)	RCTECH.exe	2012/11/14 14:24	Application	1,596 KB		
🛒 dir_pwang (\\200.1.1.2(—	server_data	2014/5/18 10:02	File	2 KB		
🙊 dir_fxiao3 (\\200.1.1.20	server_done_list	2014/5/13 20:57	File	0 KB		
\chi bm1 (\\200.1.1.143) (Y	server_status	2014/5/13 20:57	File	1 KB		-
server_data Date mo File	dified: 2014/5/18 10:02 Date created: 201 Size: 1.09 KB	4/5/18 10:02				

Figure 1.3.4 ETA License Manager installed folder

After clicking **Open**, if the license is valid, the program will pop up a dialog with the message "*License file is imported successfully*", as illustrated in Figure **1.3.5**.



Figure 1.3.5 Valid License

If the license is not valid, the program will pop up the dialog with the message "*No valid license in file xxx_server_data*". Please check the license file, as illustrated in Figure **1.3.6**.

ETA License Manager Message	
No valid license in file D:/DYNAFR~1.2/license	/LICENS~1/xxx_server_data.txt
ОК	

Figure 1.3.6 No Valid License

After import the LS-DYNA license file, ETA License Manager will auto install LSTC License Manager service in the Windows service, and start the LSTC License Manager Service on Server machine, as illustrated in Figure 1.3.7.

Note: License file must be generated on the server machine, where the LS-DYNA license serve will be installed.

			LSTC License Manager Properties (Local Computer)
			General Log On Recovery Dependencies
			Service name: LSTC License Manager Display name: LSTC License Manager
🛃 Computer Management			Description:
File Action View Help	2 🖬 🕨 🗉 🕩		Path to executable: C \Program Files (x86)/ETA\LicenseManager 1.0/LSTCLM EXE
🛃 Computer Management	Name A Description Status	s Startup Typ	Startup type: Automatic
System Tools Jask Scheduler Event Viewer	Lenovo PM Service Starte Link-Layer Topology Discov Creates a	ed Automatic Manual	Help me configure service startup options. Service status. Started
	Result Starte Macrium Reflect Image Mou Starte Media Center Extender Servi Alows Medi Microsoft .NET Framework N Microsoft	ed Automatic Manual Disabled Disabled	Elori Stop Pause Resume You can specify the start parameters that apply when you start the service from here. Item is a specify the start parameters that apply when you start the service from here. Item is a specify the start parameters that apply when you start the service from here.
Storage	Microsoft .NET Framework N Microsoft Extended Standard	Disabled	Stert perem time: OK Cancel Apply

Figure 1.3.7 LSTC License Manager Service

After import the LS-DYNA license, three Environment Variables will be created and added to the System variables, as illustrated in Figure **1.3.8**:

LSTC_LICENSE = network

LSTC_LICENSE_SERVER = localhost

LSTC_LICENSE_SERVER_PORT = 31010

Env	vironment Variabl	es	×
Ľ	Jser variables for fxi	ao ————	
	Variable	Value	
	TEMP	%USERPROFILE%\AppData\Local\Temp	
	TMP	%USERPROFILE%\AppData\Local\Temp	
		New Edit Delete	
5-1	System variables —		
	Variable	Value	
	BSE-in-NX PATH	C:\Program Files\ETA\BSE-in-NX2.0	
	LSTC_LICENSE	network	
	LSTC_LICENSE	200.1.1.94	
	LSTC_LICENSE	31010	
	MOZ DUUCTN DA	CI\Drogram Eilog (v06\\Uumminghird\C	
		New Edit Delete	
		OK Cancel	

Figure 1.3.8 Three Environment Variables

Note: The program has added three environment variables in User Variables of the server machine. After starting the LSTC License Manager Service on server machine, the user can run the LS-DYNA solver on the server machine. To run the LS-DYNA solver on the client machine, the user must install the three environment variables on the client machine.

Stop LSTC License Manager Service

After clicking **Stop**, the **LSTC License Manager** Service will be stopped, and user cannot run LS-DYNA solver on client machine or server machine, as illustrated in Figure **1.3.9**.

🖤 ETA License Manager	_ 🗆 ×
eta/Programs LS-DYNA SHERPA Request License	🧇 🤗
Server O Client	
License Server localhost License Server Port Number 310	010
Import Install Start Stop Uninstall	
License Information	
Server Info C License Summary C License in Use Refresh	Kill Job
LSTC SERVER INFORMATION TYPE: Non-Redundant HOSTNAME: fxiao-THINK POR: 31010 VERSION: 78235 PROTOCOL: 1.24 RUNNING AS: system SERVER FILES DIRECTORY: C:\Program Files (x86)\ETA\LicenseManager 1.0 LICENSE FILE: C:\Program Files (x86)\ETA\LicenseManager 1.0\server_data LICENSED TO: DUMP FILE: server_status LOG FILE: C:\Program Files (x86)\ETA\LicenseManager 1.0\lstclm.log DEBUG FILE: (none)	
Current status : Server is running	
	Exit

Figure 1.3.9 Stop License

Uninstall LS-DYNA license

Clicking **Uninstall**, the **LSTC License Manager** Service will be uninstalled and three environment variables will be deleted at the same time, as illustrated in Figure 1.3.10. The user must import the LS-DYNA license again to start the **LSTC License Manager** Service. The license server needs to be stopped to activate the **Uninstall** button.

🕮 ETA License Manager	_ 🗆 🗙
eta/Programs LS-DYNA SHERPA Request License	🧇 🧖
Server O Client	
License Server localhost License Server Port Number 310	010
Import Install Start Stop Uninstall	
License Information	
Server Info O License Summary O License in Use Refresh	Kill Job
*** ERROR failed to open server localhost	
Current status : Server is stopped	
	Exit

Figure 1.3.10 Uninstall

1.3.2 RUN LS-DYNA SOLVER ON CLIENT MACHINE

When installing the LS-DYNA license on the server machine, the program has added the three environment variables in User Variables of the server machine. After starting the LSTC License Manager Service on the server machine, user can run LS-DYNA solver on server machine.

To run the LS-DYNA Solver on a Client machine, the user needs to do the following steps.

Step 1: Run "ETA License Manager" on Client Machine

On a Client machine, double-click the "ETA License Manager" icon on the desktop, or click "ETA License Manager" in the Program Start Menu: Start \rightarrow All Programs \rightarrow ETALicenseManager 1.0 \rightarrow ETALicenseManager.

Note:

- 1. User can do the steps in section 1.1 to install ETA License Manager.
- 2. Administrative privilege is required to run ETA License Manager.

ETA License Manager	_ 🗆 ×
eta/Programs LS-DYNA SHERPA Request License	۶ 🔶
© Server © Client © Node Lock Location to Install	
License Server 200.1.1.94 License Server Port Number 11234	
Import Install Start Stop Uninstall	
Server Info O License Summary O License in Use Refresh SERVER INFORMATION SERVER: 200.1.1.94 PORT: 11234 LICENSE FILE LICENSE FILE	
Current status : Client mode(Location: C:\Program Files\ETA\PreSys 2012)	
	Exit

Figure 1.3.11 ETA License Manager

Step 2: Select Client

Switch to **LS-DYNA** tab, and then select *Client* to create environment variables on the client license, as illustrated in Figure **1.3.12**.

🏁 ETA License Manager	_ 🗆 ×
eta/Programs LS-DYNA SHERPA Request License	۶ 🧇
© Server	
License Server Dort Number 3	1010
Import Install Start Stop Uninstall	
License Information	
Server Info O License Summary O License in Use Refresh	Kill Job
Current status : Client mode	
	Exit

Figure 1.3.12 Select Client

Step 3: Fill License Server

Fill in the License Server with *IP Address* or *full computer name* of the Server machine, as illustrated in Figure 1.3.13.

🕮 ETA License Manager	_ 🗆 🗙
eta/Programs LS-DYNA SHERPA Request License	😤
© Server	
License Server 200.1.1.94 License Server Port Number 310	010
Import Install Start Stop Uninstall	
License Information	
Server Info O License Summary O License in Use Refresh	Kill Job
TTPE: Non-Redundant HOSTNAME: Localhost.localdomain PORT: 31010 VERSION: 77918 PROTOCOL: 1.24 RUNNING AS: root SERVER FILES DIRECTORY: LICENSED FILE: LICENSED TO: DUMP FILE: LOG FILE: DEBUG FILE: Current status : Client mode	
	Evit

Figure 1.3.13 Fill License Server

Note:

- 1. If filling the IP Address in License Server, it should be the IP address of the Sever machine, where LS-DYNA Server license is installed. The IP Address of the Server machine should be static, and not be allowed to change.
- 2. If filling in the full computer name in License Server, it should be the full computer name of the Server machine, where LS-DYNA server license is installed.
- 3. The IP Address of the Client machine can be static or dynamic, but it must be in the range which is used to request LS-DYNA license.

Step 4: Install Client Environment Variables

By clicking *Install*, three Environment Variables will be created and added to the user variables on the Client machine, as illustrated in Figure **1.3.14**:

LSTC_LICENSE = network

LSTC_LICENSE_SERVER = "full computer name of the Server machine"

LSTC_LICENSE_SERVER_PORT = 31010

En	vironment Variabl	les	×
	User variables for fxi	ao	
	Variablo	Value	
	TEMP	%USERPROFILE%(AppData\Local\Temp	
	IMP	%USERPROFILE%\AppData\Local\Temp	
	,		
		New Edit Delete	
	Evetom variables —		
	System variables		
	Variable	Value 🔺	
	BSE-in-NX PATH	C:\Program Files\ETA\BSE-in-NX2.0	
	LSTC_LICENSE	network	
	LSTC_LICENSE	200.1.1.94	
	LSTC_LICENSE	31010	
1		Cul Broarson Files (v96)\Uumminghird\C	
		New City Delete	
		New Edit Delete	
		OK Cancel	

Figure 1.3.14 Environment Variables of the Client Machine

After having created the environments variables, the user can run LS-DYNA solver on the Client machine.

1.4 MANAGE SHERPA LICENSE

SHERPA tab is used to manage the Server and Client of the SHERPA network license. Install the SHERPA license on the server machine, and the client machine can connect the server to run SHERPA.

1.4.1 INSTALL SHERPA LICENSE ON SERVER MACHINE

To install the SHERPA License, and start **SHERPA License Manager** Service on the Server machine, the user needs to do the following steps.

Step 1: Request a SHERPA License.

User can do the steps in section 1.5 Request License to request a SHERPA License.

Step 2: Run ETA License Manager

On the Server machine, double-click the "ETA License Manager" icon on the desktop, or click "ETA License Manager" in the Program Start Menu: Start \rightarrow All Programs \rightarrow ETALicenseManager 1.0 \rightarrow ETALicenseManager.

Note:

- 1. User can do the steps in section 1.1 to install ETA License Manager.
- 2. Administrative privilege is required to run ETA License Manager.

Step 3: Select Server

Switch to **SHERPA** tab and select *Server* to install the license on the server machine, as illustrated in Figure **1.4.1**.



Figure 1.4.1 Select Server

Step 4: Import License

Click *Import*, select the folder where the license was saved, and select the license file, such as *xxx_pc_exp_xxxxx.lic*, as illustrated in Figure **1.4.2** and Figure **1.4.3**.



Figure 1.4.2 Click Import



Figure 1.4.3 Select the license file

Click *Open* to import the license. The license file will be imported, named with a new name **SHERPA.lic** and put on the ETA License Manager installation folder, as illustrated in Figure **1.4.4**.

📙 LicenseManager 1.0					_	
🌀 🖓 マ Computer マ Windo	ows7_OS (C:) ▼ Program Files (x86) ▼ ETA ▼ License	eManager 1.0	▼ 60	Search LicenseMa	anager 1.0	۶
Organize 🔻 🔼 Open 🔻 Co	ompatibility files New folder				-	0
🧸 Videos 🔺	Name 🔶	Date modified	Туре	Size		4
	i qrun.inr	2014/5/18 10:04	Setup Information	I KB		
🜏 Homegroup	RCTECH.exe	2012/11/14 14:24	Application	1,596 KB		
	server_data	2014/5/18 10:02	File	2 KB		
ika Computer	server_done_list	2014/5/13 20:57	File	0 KB		
🐲 Windows7_OS (C:)	server status	2014/5/13 20:57	File	1 KB		
Iccal Disk (D:)		2014/3/13 20.37	TIC	IND		
🚯 Lenovo_Recovery (Q:)	sherpa.lic	2014/5/12 11:31	LIC File	1 KB		
g dir_pwang (\\200.1.1.2(stop_server.exe	2012/11/14 14:24	Application	480 KB		
🙀 dir_fxiao3 (\\200.1.1.20	unins000.dat	2014/5/13 20:31	DAT File	13 KB		
🤿 bm1 (\\200.1.1.143) (Y 🚽	🖙 unins000.exe	2014/5/13 20:31	Application	702 KB		
sherpa.lic Date modifie LIC File Siz	ed: 2014/5/12 11:31 Date created: 2014/5, ze: 110 bytes	/18 10:16				

Figure 1.4.4 ETA License Manager installed folder

Note: License file must be generated on the server machine, where the SHERPA license serve will be installed.

After clicking **Open**, if the license is valid, the program will pop up a dialog with the message "*License file is imported successfully*", as illustrated in Figure **1.4.5**.

ETA License Manager Message	
License file has been imported succes	ssfully.
ОК	

Figure 1.4.5 Valid License

If the license is not valid, the program will pop up a dialog with the message "*No valid license in file xxx-pc_exp_xxxxx.lic*", as illustrated in Figure **1.4.6**. Please check the license file.

E	ETA License Manager Message
	No valid license in file D:/DYNAFR~1.2/license/LICENS~1/xxx_sexp_123114.lic
	ОК

Figure 1.4.6 No Valid License

After import the SHERPA license file, ETA License Manager will auto install **SHERPA License Manager** service in the Windows service, and start the **SHERPA License Manager Service** on Server machine, as illustrated in Figure 1.4.7.

			SHERPA License Manager Properties (Local Computer)
			General Log On Recovery Dependencies
E Computer Management			Service name: SHERPA License Manager
File Action View Help			Display name: SHERPA License Manager
🗢 🔿 🙋 🖬 🗐 🥥 📑 🛛 🗊			
Name	Description Status	Startup Type	Description:
Server	Supports Started	Automatic	Path to executable:
ServiceLayer		Manual	D:\dir_codes\ServerMng\ServerMng\Imgrd.exe
Shell Hardware Detection	Provides Started	Automatic	
SHERPA License Manager	Started	Automatic	Startup type: Automatic
🔍 Smart Card	Manages	Manual	Help me configure service startup options.
Smart Card Removal Policy	Allows th	Manual	
🔍 SNMP Trap	Receives t	Manual	Service status: Started
Software Protection	Enables t Started	Automatic (😑	Start Ston Pause Resume
SPP Notification Service	Provides	Manual	
SSDP Discovery	Discovers Started	Manual	You can specify the start parameters that apply when you start the service from become
Superfetch	Maintains Started	Automatic	
System Event Notification Serv	. Monitors Started	Automatic 🚽	Start parameters:
•		۱. E	
Extended Standard			
· · · · · · · · · · · · · · · · · · ·			OK Cancel App

Figure 1.4.7 SHERPA License Manager Service

After installing the SHERPA license, one Environment Variable will be created and added to the user variables, as illustrated in Figure **1.4.8**:

RCTECH_LICENSE_FILE = @localhost

Tanabio		Value			
RCTECH_LICENSE_	FILE	@locall	host		
•					
	Now		Edit	1	Delete
	New		Luitin		Delete
ante en consta la la c					
ystem variables —					
ystem variables — Variable	Value				
ystem variables	Value C:\Progra	m Files\	,ETA\BSE-ii	n-NX2	.0
vstem variables Variable BSE-in-NX_PATH LSTC_LICENSE	Value C:\Progra	m Files\	,ETA\BSE-ii	n-NX2	.0
vstem variables	Value C:\Progra network localhost	m Files\	,ETA\BSE-ii	n-NX2	.0
vstem variables	Value C:\Progra network localhost 31010	m Files∖	,ETA\BSE-ii	n-NX2	.0
vstem variables	Value C:\Program network localhost 31010	m Files	ETA\BSE-ii	n-NX2	.0
vstem variables	Value C:\Programetwork localhost 31010	m Files	ETA\BSE-in	n-NX2	.0

Figure 1.4.8 One Environment Variable

Note: The program has added the environment variable in User Variables of the server machine. After starting **SHERPA License Manager** Service on server machine, the user can run an optimization with SHERPA on server machine. To run an optimization with SHERPA on the client machine, the user must install the environment variable on client machine.

Stop SHERPA License Manager Service

After clicking **Stop**, the **SHERPA License Manager** Service will be stopped, and user cannot run an optimization with SHERPA on client machine and server machine, as illustrated in Figure **1.4.9**.

A License Manager	لم
/Programs LS-DYNA SHERPA Request License	<u></u>
Server Client	
License Server localhost License Server Port Number 27000	D
Import Install Start Stop Uninstall	
icense Information	
Server Info O License Summary O License in Use Refresh	
<pre>LICENSE FILE: C:\Program Files (x86)\ETA\LicenseManager 1.0\sherpa.lic LOG FILE: C:\Program Files (x86)\ETA\LicenseManager 1.0\sherpa.log</pre>	
Current status : Server is running	

Figure 1.4.9 Stop License

Uninstall SHERPA License Manager Service

Click **Uninstall**, the **SHERPA License Manager** Service will be uninstalled, and the created environment variable will be removed at the same time, as illustrated in **Figure 1.4.10**. The user must import and install the SHERPA license again to start the **SHERPA License Manager** Service. The license server needs to be stopped to activate the Uninstall button.

		CUIE D DA	Dequest Lisense					
/Programs	LS-DYNA	SHERPA	Request License					<u> </u>
Server	© Clie	ent						
License Se	rver loca	lhost		Licens	e Server Po	ort Number	27000	C
Import		Install	Start	St	ор	Uninst	tall	
License Info	ormation -							
Server In	fo	O License	Summary O Lie	ense in Use	Refr	esh		
SHERPA SE	DUED INEC							
0.00	RVER INCO	RMATION						
FZ	IL TO OPE	N SERVER	: localhost					
F7	IL TO OPE	RMATION N SERVER	: localhost					
FI	IL TO OPE	RMATION N SERVER	: localhost					
F2	IL TO OPE	RMATION N SERVER	: localhost					
F7	IL TO OPE	RMATION N SERVER	: localhost					
FI	IL TO OPE	RMATION N SERVER	: localhost					
FZ	IL TO OPE	RMATION N SERVER	: localhost					
FZ	IL TO OPE	RMATION N SERVER	: localhost					
FZ	IL TO OPE	RMATION N SERVER	: localhost					
FF	IL TO OPE	RMATION N SERVER	: localhost					
F	NUER INCO	RMATION N SERVER	: localhost					
FZ	IL TO OPE	RMATION N SERVER	: localhost					
EZ Current sta	tus : Server	IS Stopped	: localhost					

Figure 1.4.10 Uninstall SHERPA License

1.4.2 RUN SHERPA ON CLIENT MACHINE

When installing the SHERPA license on the server machine, the program has added the environment variable in User Variables of the server machine. After starting **SHERPA License Manager** Service on the server machine, the user can run an optimization with SHERPA on server machine.

To run an optimization with SHERPA on Client machine, the user needs to do the following steps.

Step 1: Run "ETA License Manager" on Client Machine

On the Client machine, double-click the "ETA License Manager" icon on the desktop, or click "ETA License Manager" in the Program Start Menu: Start \rightarrow All Programs \rightarrow ETALicenseManager 1.0 \rightarrow ETALicenseManager.

Note:

- 1. User can do the steps in section 1.1 to install ETA License Manager.
- 2. Administrative privilege is required to run ETA License Manager.

🕮 ETA License Manager	_ 🗆 🗙
eta/Programs LS-DYNA SHERPA Request License	۶ 🧇
© Server © Client	
License Server localhost License Server Port Number 27000	
Import Install Start Stop Uninstall	
License Information	
Server Info O License Summary O License in Use Refresh	
Current status : No valid license file and server is not installed	
	Exit

Figure 1.4.11 ETA License Manager

Step 2: Select Client

Switch to **SHERPA** tab, and then select *Client* to create environment variable on the client license, as illustrated in Figure **1.4.12**.

🕮 ETA License Manager	_ 🗆 ×
eta/Programs LS-DYNA SHERPA Request License	۶ 🧇
© Server	
License Server Dort Number 27000	
Import Install Start Stop Uninstall	
License Information	
Server Info O License Summary O License in Use Refresh	
Current status : Client mode	
	Evit

Figure 1.4.12 Select Client

Step 3: Fill License Server

Fill in the License Server with *IP Address* or *full computer name* of the Server machine, as illustrated in Figure 1.4.13.

🕮 ETA License Manager	_ 🗆 🗙
eta/Programs LS-DYNA SHERPA Request License	🔶 🤶
© Server	
License Server 200.1.1.94 License Server Port Number 27000	
Import Install Start Stop Uninstall	
License Information	
Server Info O License Summary O License in Use Refresh	
FALL TO OPEN SERVER: 200.1.1.94	
Current status : Client mode	
	Exit

Figure 1.4.13 Fill License Server

Note:

- 1. If filing in the IP Address in License Server, it should be the IP address of the Sever machine, where the SHERPA Server license is installed. The IP Address of the Server machine should be static, and not be allowed to change.
- 2. If filing in the full computer name in License Server, it should be the full computer name of the Server machine where SHERPA server license is installed.

Step 4: Install Client Environment Variable

Click *Install*, one Environment Variable will be created and added to the user variables on the Client machine, as illustrated in Figure 1.4.14:

RCTECH_LICENSE_FILE = @200.1.1.94

variable	Value		
RCTECH_LICENS	@200.1.1.94		
	1		1
	New	Edit	Delete
stem variables —			
rstem variables — Variable	Value		
/stem variables Variable BSE-in-NX_PATH	Value C:\Program Fi	es\ETA\BSE-in-	NX2.0
· /stem variables	Value C:\Program Fil network	es\ETA\BSE-in-	NX2.0
vstem variables	Value C:\Program Fil network 200.1.1.94	es\ETA\BSE-in-	NX2.0
vstem variables	Value C:\Program Fil network 200.1.1.94 31010	es\ETA\BSE-in-	NX2.0
variables	Value C:\Program Fil network 200.1.1.94 31010	es\ETA\BSE-in-	NX2.0
Variable Variable BSE-in-NX_PATH LSTC_LICENSE LSTC_LICENSE LSTC_LICENSE M027_PLI/CEN_PA	Value C:\Program Fil network 200.1.1.94 31010	es\ETA\BSE-in-	NX2.0

Figure 1.4.14 One Environment Variable of the Client Machine

After having created the environment variable, the user can run an optimization with SHERPA on the Client machine.

1.4.3 TROUBLE SHOOTING

1.4.3.1 PROBLEMS CONNECTING TO THE LICENSE SERVER

If you get a "license server connection problem" error after installation, most likely there is a problem with the firewall or security settings on the license server machine:

1. Try turning off the Windows Firewall and any network security software that is running.

2. Attempt to connect from the client machine again.

3. If this works, you'll need to set exceptions for the lmgrd.exe and **RCTECH.exe** executable in the ETA License Manager installation folder.

To set Windows Firewall exceptions for the **Imgrd.exe** and **RCTECH.exe** executable files, the user must do the following steps.

Step 1: Make sure that you are a user in either the *Network Configuration Operator or Administrator group*.

Step 2: Navigate to the Control Panel and open the Windows Firewall.

Step 3: Click on the *Advanced setting*.

🕷 Windows Firewall		
G 🗢 📾 🗸 Control Panel 🗸 All	Control Panel Items 👻 Windows Firewall	👻 🛃 Search Control Panel
Control Panel Home	Help protect your computer with Windows I	irewall
Allow a program or feature through Windows Firewall	Windows Firewall can help prevent hackers or malic Internet or a network.	ious software from gaining access to your computer through the
Change notification settings	How does a firewall help protect my computer?	
Turn Windows Firewall on or off	What are network locations?	
Restore defaults	Wome or work (private) networks	Connected
Advanced settings Troubleshoot my network	Networks at home or work where you know and t	rust the people and devices on the network
,,	Windows Firewall state:	On
	Incoming connections:	Block all connections to programs that are not on the list of allowed programs
	Active home or work (private) networks:	Network 6
See also	Notification state:	Notify me when Windows Firewall blocks a new program
Action Center Network and Sharing Center	Public networks	Not Connected

Figure 1.4.15 Windows Firewall

Step 5: Select Inbound Rules, click New Rule.

💮 Windows Firewall with Advance	ed Security			+ _ 🗆 ×
File Action View Help				
🗢 🔿 🙋 🖬 🗟 🔽 🗊				
Windows Firewall with Advanced S	Inbound Rules		Actions	
Inbound Rules	Name	Group 🔺	Inbound Rules	_ ▲
Connection Security Rules	🖉 lsdyna		New Rule	
	🖉 Isdyna		T Filter by Profile	•
	🖉 lsdyna_d	_	🕎 Filter by State	•
1 F	Visdyna d	► ►	The Filter by Group	• •

Figure 1.4.16 New Rule of Inbound Rule and Outbound Rule

Step 7: Browse to Imgrd.exe in ETA License Manager installed folder, and click OK.

🎡 New Inbound Rule Wi	izard 🗶
Program	a red away table param of the present that this pile matches
Specily the full program path	r and executable name of the program that this fulle matches.
Steps:	Does this rule apply to all improve or a specific program?
 Rule Type Program 	book this faile apply to an programs on a specific program:
Action Profile	 All programs Rule applies to all connections on the computer that match other rule properties.
Name	C This program path:
	1,4rtogramites 4, kos), Li A Lucenseniansger 1.04mgro.exe Browse Example: c.'oethivorgram exe %ProgramFiles%browser/browser.exe
	Leam more about specifying programs < Back Next > Cancel

Figure 1.4.17 New Inbound Rule

Step 8: Repeat steps 6 and 7 to define the **Outbound** rule for **Imgrd.exe.**

Step 9: Repeat step 6 to step 8 to define the Inbound rule and Outbound rule for RCTECH.exe.

The Windows Firewall will now allow the license server to be contacted.

1.4.3.2 FAILED TO START SHERPA SERVICE

If it is failed to start SHERPA Service after click Start button in **SHERPA LICENE** tab, get a "The SHERPA License Manager service started and then stopped. Please check if the port is used by other service." error, most likely there is an existed **SHERPA Service** with different server name, manually installed by LMTOOLS, or the port is used by other service.

For only one **SHERPA** Service can be started by windows, if want to user **ETA License Manager** to manage **SHERPA** License, you need to remove the existed the **SHERPA** service with LMTOOLS, then install **SHERPA** License and start SHERPA service by **ETA License Manager**.

If the port is used by other service, change the default port number "27000" to an un-used port number.

1.5 REQUEST LICENSE

The **Request License** tab is used to generate the license log of **ETA Programs**, **LS-DYNA** and **SHERPA**, as illustrated in Figure 1.5.1.

🕮 ETA License Manager			_ 🗆 🗙
eta/Programs LS-DYNA	SHERPA Request License		🌪 🎖
Product Name:		Generate	
Version:	5.9.2		
User Information:			
Company Name(Requ	ired):		
Email Address(Requir	ed):		
Telephone Number(R	equired):		
Fax Number:			
Allow IP Range:			
1x1 11b/g/n Wireles	s LAN PCI Express Half Mini Card Adapter (UP)	Add Range	
192 168 0	01 000 - 192 168 001 255		
		I	Exit

Figure 1.5.1 Request License

If you do not have an ETA program License, you can do the following steps to request a license.

Step 1: Run "ETA License Manager"

Double-click the "ETA License Manager" from the desktop icon, or click "ETA License Manager" in the Program Start Menu: Start \rightarrow All Programs \rightarrow ETALicenseManager 1.0 \rightarrow ETALicenseManager.

Note:

- 1. User can do the steps in section 1.1 to install ETA License Manager.
- 2. Administrative privilege is required to run ETA License Manager.

Step 2: Select the ETA program

Switch to *Request License* tab, and select one version of the eta program, as illustrated in Figure 1.5.2.

You also can select other ETA program.

📽 ETA License Manage	r	
eta/Programs LS-DYNA	SHERPA Request License	<u>*</u>
Product Name:	DYNAFORM	
Version:	5.9.2	
User Information:	5.9	
Company Name(Requ	u 5.8	
Email Address(Requir	5.7.3 ⁶ 5.7.2	
Telephone Number(R	3 , 5.7.1	
Fax Number:	5.6	
Allow IP Range:	5.5	
1x1 11b/g/n Wireles	ss LAN PCI Express Half Mini Card Adapter (UP) Add Range	
192 168 0	001 000 - 192 168 001 255	
		EXIT

Figure 1.5.2 Select Version

Step 3: Fill User information

User information includes *Company Name*, *Email Address*, *Telephone Number*, *Fax Number* and *Allow IP Range*, as illustrated in Figure 1.5.3. The *Company Name*, *Email Address* and *Telephone Number* must be filled in.

📟 ETA License Manager		_ 🗆 🗙
eta/Programs LS-DYNA SHER	PA Request License	۶ 🧇
Product Name: DYNAFC	Generate Generate	
Version: 5.9.2	▼	
User Information:		
Company Name(Required):	XXXXXXXX	
Email Address(Required):	xxx@aaa.com	
Telephone Number(Required	248-729-3010	
Fax Number:	248-720-3020	
Allow IP Range:		
1x1 11b/g/n Wireless LAN P	CI Express Half Mini Card Adapter (UP) Add Range	
192 168 001 0	00 - 192 168 001 255	
		Exit

Figure 1.5.3 Fill user's information

Step 4: Generate log file.

Click *Generate* and the program will ask you to select a folder in which to save the log file. The program will generate the log file of license request at the path: **eta.log**. The log file contains the license request information of **eta program**, **LS-DYNA** and **SHERPA**, as shown below.

```
****
#
                              #
#
     LockIt license request log
                              #
                              #
#
            32-bit
#
                              #
             [1465]
****
Product : 5.92
Build : Mar 18, 2014
System ID : c1f033de63f16bb299fde31245b3
   : Windows 7 Professional Service Pack 1 (Build 7601)
OS
      : Sun May 18 07:38:40 2014
Time
# Information for requesting SHERPA license:
****
Host Name : "fxiao-THINK"
Host ID : "60d819c3c4e3 f0def1b2fd12"
# Information for requesting LS-DYNA license:
****
XXXXXX
   EMAIL: xxx@aaa.com
    FAX: 248-720-3020
TELEPHONE: 248-729-3010
# 0: d 756e6547 6c65746e 49656e69
# 1: 206a7 100800 1fbae3ff bfebfbff
# 2: 76035a01 f0b2ff 0 ca0000
# 4: 1c004121 1c0003f 3f 0
# 5: 40 40 3 21120
# 6: 77 2 9 0
# 9: 0 0 0 0
# 10: 7300403 0 0 603
# 11: 1 2 100 0
# 13: 0 0 0 0
# e0: 8000008 0 0 0
# e1: 0 0 1 28100000
# e2: 20202020 6e492020 286c6574 43202952
# e3: 2865726f 20294d54 322d3769 51303637
# e4: 5043204d 20402055 30342e32 7a4847
# e6: 0 0 1006040 0
```

```
# e7: 0 0 0 100
# e8: 3024 0 0 0
#
# OPTIONS LOCALUSER/LOCALWINOPTS GENERATE A Windows LOCAL LICENSE
#
  LOCALUSER: User Name
#
  LOCALWINOPTS: ALL
#
SERVER: 9C34B570 9AB6FBEA 5D2A26DD 9342850F F06C3096
# TeamViewer VPN Adapter (DOWN)
SERVER: 20DD1B78 28942505 3D88B2B4 A82B2551 0377BD0F
ALLOW_RANGE: 192.168.001.000 192.168.001.255
# 1x1 11b/g/n Wireless LAN PCI Express Half Mini Card Adapter (UP)
SERVER: A00C6C00 5FDEBD87 AE8C0D3C B4B7235D 9FB99A01
# Intel(R) 82579LM Gigabit Network Connection (DOWN)
SERVER: B651AA19 6406B6CC 72CB762F 605ECAD4 6FCEC74A
ALLOW_RANGE: 127.000.000.001 127.000.000.001
# Generic (UP)
# Number of CPUs: 8
# ProductId : No ProductId Information
#
ALLOW_RANGE: XXX.XXX.XXX.XXX XXX.XXX.XXX.XXX
#
SERVER_WRITE:
                   600
SERVER_PING:
                   1200
CLIENT PING:
                  900
ASSUME_DEAD:
                   3600
#
CPUS: XX
LS-DYNA_971 MMDDYYYY
 OPTION: REVISION 6
MPPDYNA 971 MMDDYYYY
  OPTION: REVISION 6
#
CPUS: XX
LS-OPT MMDDYYYY
#
```

Step 5: Send the eta.log to your distributor or ETA key@eta.com for License.

Note: The LS-DYNA license needs a range of IP addresses or multiple ranges. Please provide the appropriate IP Address information when you send it to the distributor or ETA. Once the license file is generated, it cannot be modified by the end user.