ITEM QRAS[®] TUTORIAL INSTALLATION GUIDE



USA Office:

34 Executive Park Suite 210 Irvine CA 92614 U.S.A. Telephone: +1 714 935 2900 Fax: +1 714 935 2911 Email: sales@itemsoft.com

UK Office:

4 Belfry House 4400 Parkway, Whiteley Fareham, Hampshire PO15 7FJ U.K. Telephone: +44 (0) 1489 885085 Fax: +44 (0) 1489 885065 Email: sales@itemsoft.com

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Preface

Item Quantitative Risk Assessment System (iQRAS) is a PC based software tool for conducting Probabilistic Risk Assessment (PRA) for any engineered system.

Purpose of this Guide

This guide contains information to help you install ITEM QRAS. The guide presents information in a tutorial format, and is intended to explain the basic instruction for installing the software.

Intended Audience

This guide is for all ITEM QRAS installers and users.

Structure

This guide contains the following chapters:

Chapter 1	Introduction to ITEM QRAS and general installation information
Chapter 2	Install and activate as Standalone
Chapter 3	Install and activate as a Network Server
Chapter 4	Install and activate as a License Server
Chapter 5	Configure the License Manager
Chapter 6	Install and activate as a Network Client
Chapter 7	Troubleshooting

CHAPTER 1

Introducing ITEM QRAS Installation

Welcome to ITEM QRAS. This chapter introduces ITEM QRAS and provides basic installation requirement and instructions. It contains the following sections:

- What is ITEM QRAS?
- Hardware and Software Requirements
- Before You Begin
- Installing ITEM QRAS
- Getting Technical Support

What Is ITEM QRAS?

Item Quantitative Risk Assessment System (iQRAS) is a PC based software tool for conducting Probabilistic Risk Assessment (PRA) for any engineered system. iQRAS bridges the gap between the professional risk analyst and the design engineer. Developed originally by NASA to assist them to focus on the areas of the Space Shuttle program with the most risk, iQRAS has become a world class tool for engineers to truly quantify risk.

How does it work?

iQRAS is a PRA tool designed to incorporate state of the art PRA technology with a user interface that is easily used by managers and design engineers. Those with less experience in the methodology and nuances of PRA will find iQRAS quite useful. The front end of the traditional PRA process involves the identification of accident initiators; this is often done with the use of a Master Logic Diagram. In the case of iQRAS, the front end is a graphical, point and click, treelike picture of the system being modeled, together with its elements, subsystems, and sub-subsystems. It is to this hierarchy that you attach known accident initiators or failure modes.

The iQRAS System Hierarchy feature can be used to construct a hierarchical structure of the system risk model, analogous to a Master Logic Diagram. iQRAS has a Mission Timeline module which contains data on subsystem run times (start and stop times), which are adjusted to changing mission profiles. Timing data is used in other parts of QRAS to calculate failure probabilities.

iQRAS also facilitates the construction of Event Sequence Diagrams (ESDs), which logically describe the scenarios in which initiators can lead, through intermediate or pivotal events, to undesirable end states such as catastrophic failure. The success or failure of pivotal events may represent parts of a failsafe design or even emergency procedures. iQRAS enables you to further develop the initiators and pivotal events in terms of contributing causes (basic events) using fault trees. A Fault Tree Editor, also with an intuitive graphical interface, is provided to build the fault trees which are then logically linked according to the ESD models.

iQRAS accommodates initiators, pivotal events, and their contributing basic events quantified in a variety of ways, including:

- failure probability point estimates with uncertainty bounds
- failure probabilities which are functions of multiple physical variables such as temperature, pressure, etc.
- standard reliability functions selected by the user and supplied by iQRAS
- limit state functions which support failure probability determinations in cases such as classical stress strength interference

iQRAS Fault Tree includes fast, exact solutions (no rare event approximations or other short cuts employed in other PRA computer codes). One of the advanced features of iQRAS is its capability to handle system dependencies. You can model "common cause" failures within an ESD through the construction of Common Cause Groups that include applicable fault tree basic events. iQRAS automatically generates conventional event trees for the risk scenarios, as well as the minimal cut sets of system fault trees and ESD end states.

Nearing the end of the PRA process, iQRAS aggregates ESD end state probabilities to produce intermediate and/or top level end state (e.g., catastrophic failure) probabilities and their uncertainty bounds. Among the results is a prioritization of the "risk drivers" (i.e., the initiators that contribute the most risk to the system).

Hardware and Software Requirements

Minimum recommended system configuration for Item QRAS:

D Microsoft Windows 7, Microsoft Windows XP Professional, Microsoft Windows 2003/2000, Microsoft Windows NT

4.0 (SP6 or later).

- □ Microsoft Office 2000/2005 or higher.
- □ Intel Pentium 4 or AMD Athlon 64 PC or higher.
- □ 1GB RAM
- □ 200MB free disk space
- □ A 17inch or larger monitor with display properties set to a minimum of 1280 X 768 pixels
- □ Mouse or other pointing device
- □ CDROM drive

Less capable machines (such as Pentium 133 with Windows 95/98) can run Item QRAS, but the performance may be less than ideal. The use of additional memory, faster processors, bigger monitor or stable operating system such as Microsoft Windows XP/2000 will directly improve performance and capacity. The amount of memory (RAM) used is dependent upon the size of the model. On an average the software uses additional 100 MB for every 1000 gates and events.

Before You Begin

Read this section carefully. Instructions may vary according to the type of installation you choose.

- Close all running programs on the computer before installing.
- If you are installing iQRAS on a Network Server, make sure you have administrative privileges for the server and the client workstation.
- Network Server installation must be physically performed at the designated Network Server. It cannot be performed from remote workstation.
- If you are installing iQRAS as a Network Client, make sure iQRAS is installed on the Network Server before you begin the client installation.
- Network Client installation requires Administrative rights to the Network Client workstation.

Installing ITEM QRAS

iQRAS is designed to install quickly from the CDROM. The default product directory for iQRAS is C:\Program Files\Item\QRAS. iQRAS is compatible with the uninstall utility included in 32bit Windows operating systems.

iQRAS is copy protected using a Software Key Licensing System. A Software Key is required for activation of the iQRAS modules. The software will run in the Demo Mode as part of the default setting until the License ID and Password have been entered. After completing the installation process, contact our office to obtain the License ID and Password, if they have not been provided already.

Although the specific steps for installing iQRAS vary depending on the type of Software License purchased and the installation you perform, all installations follow the same general steps. These steps include:

- 1. Installing the software
- 2. Activating the software
- 3. Verifying the software activation

When installation is complete, you will see a new icon on your Desktop:



Technical Support

Our technical support staff is always ready to help you with installing or using Item QRAS.

If you need technical support, contact Item Software using any of the following methods:

North American, South American, and Central American customers:		European, Far East, Middle East, and Australian customers:
+1 (714) 935 2900	Telephone	+44 (0) 1489 885085
+1 (714) 935 2911	Facsimile	+44 (0) 1489 885065
support@itemsoft.com	Electronic Mail	support@itemsoft.com
http://www.itemsoft.com	WWW	http://www.itemsoft.com
Technical Support ITEM Software USA Inc 34 Executive Park Suite 210 Irvine CA 92614 USA	Mail	Technical Support ITEM Software UK 4 Belfry House 4400 Parkway, Whiteley Fareham, Hampshire PO15 7FJ
U.S.A.		U.K.

Please have your product name, version number, and system configuration information available so that the Item Software technical support staff can process your support requests as efficiently as possible.

CHAPTER 2

Standalone Installation

ITEM QRAS supports several types of installations. This chapter provides you the required instructions for installing the software as Standalone. It contains the following sections:

- What is Standalone Installation?
- Installing the software
- Activating the software
- Verifying the software activation

What Is Standalone Installation?

Standalone Installation is one of the options that are available for installing ITEM QRAS. This option will allow you to install QRAS's program files to a **local** or **standalone workstation**. It is intended for a **single user license** or when the **software license** is **not shared through a network**.



The **Software and the license key** are installed by default on the C Drive of the desktop or laptop computer under Program Files\Item\QRAS\Programs

NOTE *The following must be noted when performing a Standalone Installation:*

- STANDALONE INSTALLATION MUST BE PHYSICALLY PERFORMED AT THE DESIGNATED WORSTATION.
- STANDALONE INSTALLATION CANNOT BE PERFORMED FROM REMOTE WORKSTATION OR SERVER.
- STANDALONE INSTALLATION REQUIRES FULL ADMINISTRATIVE RIGHTS.
- STANDALONE USERS MUST HAVE AT LEAST, "POWER USER" ACCESS RIGHTS TO THE WORKSTATION. FULL (ADMINISTRATOR) ACCESS RIGHTS IS RECOMMENDED.

Installing the Standalone Version of the Software

The Install Wizard will guide you through simple steps for installing ITEM QRAS. Please complete the following steps:

- Insert the QRAS CD into your CD-ROM drive.
- If the Auto Run feature is not activated, choose **Run** from the **Start** Menu. The Run dialog box appears.



- In the Run dialog box, type **D:**/setup (replace the letter D with the correct letter for your CD-ROM drive).
- Click **OK** to activate the installation program.
- If the Auto Run feature is activated, the following screen appears.



• Select Install or Upgrade.



• Select ITEM QRAS. The installation wizard begins.

🐼 Item QRAS - InstallShield Wizard	\mathbf{X}
Password This package has been password protected.	
Enter the password required to run this package. Please n case sensitive. Click Next to continue.	ote that passwords are
Password:	
InstallShield	
< <u>B</u> ack	Next > Cancel

• Enter the password you have been provided with to begin installation.

NOTE *If the following window appears, click* **Yes** *to allow the process to uninstall the existing installation, and then restart the installation process.*





• Click **Next** and the following Setup Type dialog box appears.

ITEM QRAS Version 2.3.0	X
Setup Type Choose the setup type that best suits your needs.	
Click the type of installation you require: License Server Network Client Network Server Standalone	Description
InstallShield	Back Next > Cancel

- Choose **Standalone** and click **Next**.
- The License Agreement dialog box appears. Read the license agreement carefully and click **Yes** to accept or **No** to decline. If you click No, the setup program closes.
- The Customer Information dialog box appears. Type the user name and the company name in the appropriate boxes, and then click **Next**.

ITEM QRAS Version 2.3.0	×
Customer Information Image: Customer Information Please enter your information. Image: Customer Information	
Please enter your name and the name of the company for whom you work.	
<u>U</u> ser Name:	
Sales & Admin	
Company Name:	
ITEM Software (USA) Inc.	
Taxata (10 Listed at	
< <u>B</u> ack <u>N</u> ext > Cancel	

• The Choose Destination Location dialog box appears. To choose a destination folder that the program files should be installed into, click **Next** to accept the default destination folder or click **Browse**, select an alternate folder, then click **Next**.

ITEM QRAS Version 2.3.0			×
Choose Destination Location Select folder where Setup will install files.			
Setup will install QRAS in the following folder.			
To install to this folder, click Next. To install to a another folder.	different folde	er, click Browse	and select
Destination Folder			
C:\Program Files			Browse
InstallShield			
	< <u>B</u> ack	<u>N</u> ext >	Cancel

• The Select Program Folder dialog box appears. To accept the Item Software folder, click **Next**. To create a new folder, type the name of the new folder in the Program Folder box, and then click **Next**. To select an existing folder, locate the desired folder in the Existing Folders list, select it, and then click **Next**.

ITEM QRAS Version 2.3.0
Select Program Folder Please select a program folder.
Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing folders list. Click Next to continue. Program Folders: Item Software
Existing Folders: Audio Related Programs CoreIDRAW 9 DemoShield 6.0 DVD Shrink EPSON SMART PANEL for Scanner Games IcoFX 1.6 Item Software
< <u>B</u> ack <u>N</u> ext > Cancel

• Select the optional Components to be installed, and then click **Next**.

ITEM QRAS Version 2.3.0	
Optional Components	
Please select from the optional components below for i	inclusion in your installation.
Additional Help Files 0	C Description
✓ Example Files 0	K These components install additional help fiels in alternative formats.
Same Bernington Ciana 117490 k	
Space Required on C: 117480 F Space Available on C: 185121936 F InstallShield	<
< <u>[</u>	Back <u>N</u> ext > Cancel

• Select the shortcut options, and then click **Next**.

ITEM QRAS Version 2.3.0	×
Select Shortcuts	
Select from the shortcut options below.	
Add Shortcut to Desktop	
🔽 Add Shortcut to Start Menu	
InstallShield ————	< <u>B</u> ack <u>N</u> ext > Cancel

• The Setup Status dialog box appears and displays the progress of the installation.

ITEM QRAS Version 2.3.0	
Setup Status	
QRAS Setup is performing the requested operations.	
Installing:	
C:\WINDOWS\system32\MSVCIRT.DLL	
44%	
InstallShield	
	Cancel

• When the InstallShield Wizard Complete dialog box appears, click Finish.

ITEM QRAS Version 2.3.0	
	Setup Complete Setup has now finished installing ITEM QRAS. After clicking Finish please wait a few moments, until the blue screen disappears, before continuing.
	< Back [Finish] Cancel

Activating the Software

Once the software is installed, it must be activated. If the software is not activated, only the demonstration mode features will be available.

To activate ITEM QRAS:

- From the Start Menu, select Programs -> Item Software -> ITEM QRAS or click on the ITEM QRAS icon in your desktop.
- The Demo Notification dialog box appears. Select one of the unlock options.

iQRAS Demo Not	ification		X
This is an evaluation For technical or sales ITEM Software in US ITEM Software in Eur	version of ITEM QR : enquiries please co A: (714) 935 2900 (rope: +44 (0) 1489	AS. ontact: or 885085	
[⊻isit Itemsof	t Web Site	
29 days left in the ev	valuation period.		
Unlock by Email	Unlock <u>O</u> nline	Unlock by Phone	

• Selecting Unlock by Email opens the following dialog:

Unlock By Email	×
Name: Email: Phone Number: Company Name: Customer ID: User Code 1: User Code 2: Message:	239855821 239855821 3598961
	Send Cancel

- Enter the required information and click Send. An email will be sent to Item Software with your activation request. Once you have received a reply containing your activation codes enter them in the Program Activation Dialog (see Unlock by Phone).
- Selecting Unlock Online opens the following dialog:

Online Activation		×
License ID; Password;	<u>р</u>	
I	Cancel	ок

- Enter the required information and click OK
- Selecting Unlock by Phone opens the following dialog:

• iQRAS Progra	am Activation Dialog	X
User Code 1:	266073463	ITEM Software in USA: (714) 935 2900
User Code 2:	5102663	in Europe: +44 (0) 1489 885085
Company Name:	ITEM Software (USA) Inc.	
License ID:		Reg Key 1:
Password:		Reg Key 2:
		Unlock Cancel Help

- Your system will generate User Code 1 and User Code 2 numbers.
- The User Codes are required for activation of your program. These numbers must be presented to an Item Software representative by telephone or email. Item Software will then supply the License ID, Password and Registration Keys.
- Enter these details in the boxes, and then click Unlock.
- The Activation Complete box appears.

Success!
Activation Complete!
ОК

• To verify that the correct modules are activated, select 'About Item Software QRAS' from the Help Menu.

🛈 About iQRAS		
N	NATIONAL AERONAL AND SPACE ADMINIS	JTICS STRATION
World Leaders In Rel	ability and Safety Analysi	us Software
QRAS Version 2.3.0	Licensed To: ITEM SOFTWAR	RE (USA) INC.
Copyright (C) 2011 ITEM Software	Maintenance Expiration: Nov	/ 22, 2012
IQRAS		
Fault Tree Analysis Event Sequence Diagram	FTA ESD	Full Version Full Version
		(COK

For Trial Licenses the above dialog will indicate this along with the number of days left in the trial period.

NOTE If you click Continue from the Demo Notification Dialog Box, the software opens in demonstration mode. You can register the software at any time by selecting Edit License Key from the Help Menu.

- Select **Help** from the Standard Toolbar.
- Select Edit License Key from the Help Menu.

•	
Eile Settings Window	Help
🗅 🚅 🔚 X 🖻	Help Topics
	Edit License Key
	Update License Online
	TCP/IP Client Setup
	Item Software on the Web
	😵 <u>A</u> bout Item Software QRAS

- The Program Activation Dialog box will appear.
- Follow the previous activation procedure.

Verifying the Software

To Check Which Modules Are Activated

- Select Help From the **Standard Toolbar**.
- Select About Item Software QRAS.



• The About ITEM QRAS Dialog Box appears and you can check the Version of the software and which modules are in full version or Demo Version.



• Click "OK" when finished.

CHAPTER 3

Network Server Installation

ITEM QRAS supports four types of installation: Standalone, Network Server, License Server, and Network. This chapter will provide you the required instruction for installing the software as Network Server. It contains the following sections:

- What is Network Server Installation?
- Installing the software
- Activating and verifying the software
- Setting up the license manager

What is Network Server Installation?

Network Server Installation is designed to provide access to the License Key through a network. After installing the software on the Network Server or on a designated Network Client used as a server, the Network Client installation must be performed on the client workstation. The software can be launched on the client workstation or on the server.

This option is intended for a single user or multiple users that are required to have the software installed on a shared server. The number of users accessing the software will be limited to the number of licenses purchased.



NOTE *The following must be noted when installing the software on a network server:*

- THE INSTALLATION MUST BE PHYSICALLY PERFORMED AT THE DESIGNATED NETWORK SERVER AND CANNOT BE DONE FROM A REMOTE WORKSTATION.
- QRAS MUST BE INSTALLED ON THE SERVER BEFORE IT CAN BE INSTALLED ON A NETWORK CLIENT.
- SERVER INSTALLATION REQUIRES FULL ADMINISTRATIVE RIGHTS.
- THE PROGRAM INSTALLATION FOLDER (FOR EXAMPLE: C:\Program Files \Item\ QRAS\ Programs) INSTALLED ON THE NETWORK SERVER MUST BE SHARED BETWEEN THE NETWORK SERVER AND CLIENT WORKSTATION.
- NETWORK CLIENT MUST HAVE FULL ACCESS RIGHTS TO THE PROGRAMS FOLDER (FOR EXAMPLE: C:\Program Files \Item\ QRAS\ Programs) INSTALLED ON THE NETWORK SERVER.

Installing the Network Server Version of the Software

The Install Wizard will guide you through simple steps for installing ITEM QRAS. Please complete the following steps:

- Insert the ITEM QRAS CD into your CD-ROM drive.
- If the Auto Run feature is not activated, choose **Run** from the **Start** Menu. The Run dialog box appears.

Run	? 🔀
-	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:	D:\Setup
	OK Cancel <u>B</u> rowse

- In the Run dialog box, type **D:**\setup (replace the letter D with the correct letter for your CD-ROM drive).
- Click **OK** to activate the installation program.
- If the Auto Run feature is activated, the following screen appears.



• Select Install or Upgrade.



• Select ITEM QRAS. The installation wizard begins.

🐼 Item QRAS - InstallShield Wizard	×
Password This package has been password protected.	
Enter the password required to run this package. Please n case sensitive. Click Next to continue.	ote that passwords are
Password:	
InstallShield	Next > Cancel

• Enter the password you have been provided with to begin installation.

NOTE *If the following window appears, click* **Yes** *to allow the process to uninstall the existing installation, and then restart the installation process.*





Click **Next** and the following Setup Type dialog box appears.

ITEM QRAS Version 2.3.0	
Setup Type Choose the setup type that best suits your needs.	
Click the type of installation you require: License Server Network Client Network Server Standalone	Description
InstallShield	Next > Cancel

- Choose **Network Server** and click **Next**.
- The License Agreement dialog box appears. Read the license agreement carefully and click **Yes** to accept or **No** to decline. If you click No, the setup program closes.
- The Customer Information dialog box appears. Type the user name and the company name in the appropriate boxes, and then click **Next**.

ITEM QRAS Version 2.3.0
Customer Information Image: Customer Information Please enter your information. Image: Customer Information
Please enter your name and the name of the company for whom you work.
User Name:
Sales & Admin
Company Name:
ITEM Software (USA) Inc.
InstallShield
< <u>B</u> ack <u>N</u> ext > Cancel

• The Choose Destination Location dialog box appears. To choose a destination folder that the program files should be installed into, click **Next** to accept the default destination folder or click **Browse**, select an alternate folder, then click **Next**.

ITEM QRAS Version 2.3.0	×
Choose Destination Location Select folder where Setup will install files.	
Setup will install QRAS in the following folder.	
To install to this folder, click Next. To install to a another folder.	different folder, click Browse and select
Destination Folder C:\Program Files	Biowse
1113/dilonielu	< Back Next> Cancel

• The Server Installation Connection Type dialog appears. Select the type of connection you wish for the client machine. The choice is either Network File Share or TCP/IP. With the former option full read/write access to the destination folder is required. With the latter option, you must also enter a port number. If you are unsure which option to select, please consult your Network Administrator. Once your choice has been made click **Next**.



• The Select Program Folder dialog box appears. To accept the Item Software folder, click **Next**. To create a new folder, type the name of the new folder in the Program Folder box, and then click **Next**. To select an existing folder, locate the desired folder in the Existing Folders list, select it, and click **Next**.

ITEM QRAS Version 2.3.0
Select Program Folder Image: Constraint of the select a program folder.
Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing folders list. Click Next to continue. Program Folders: Item Software
Existing Folders: Audio Related Programs CoreIDRAW 9 DemoShield 6.0 DVD Shrink EPSON Printers EPSON SMART PANEL for Scanner Games IcoFX 1.6 Item Software
InstallShield

• Select the optional Components to be installed, and then click Next.

ITEM QRAS Version 2.3.0		
Optional Components		
Please select from the optional	components below for inclu:	sion in your installation.
Additional Help Files	0 K I	Description
✓ Example Files	0 K	These components install additional help fiels in alternative formats.
, Space Required on IC:	117480 K	
Space Available on C:	185113452 K	
InstallShield		
	< <u>B</u> ack	<u>N</u> ext > Cancel

• The option to add icons to the desktop is the next window to appear.

ITEM QRAS Version 2.3.0	
Select Shortcuts	
Select from the shortcut options below.	
Add Shortcut to Desktop	
Add Shortcut to Start Menu	
InstallShield	< <u>B</u> ack <u>N</u> ext > Cancel

• The Setup Status dialog box appears and displays the progress of the installation.



• When the InstallShield Wizard Complete dialog box appears, click Finish.


Activating the Software

Once the software is installed, it must be activated. If the software is not activated, only the demonstration mode features will be available.

To activate QRAS:

- From the Start Menu, select Programs->Item Software->ITEM QRAS or click on the ITEM QRAS icon on your desktop.
- The Demo Notification dialog box appears. Select one of the unlock options.

• iQRAS Demo Notification	×			
This is an evaluation version of ITEM QRAS. For technical or sales enquiries please contact: ITEM Software in USA: (714) 935 2900 or ITEM Software in Europe: +44 (0) 1489 885085				
Visit Itemsoft Web Site]			
30 days left in the evaluation period.				
Unlock by Email Unlock Online Unlock by Phone Continue				

• Selecting Unlock Online opens the following dialog:

Online Activati	on	
License ID: Password:	[I	
	Cancel	ОК

- Enter the required information and click OK
- Selecting Unlock by Phone opens the Program Activation Dialog:



• Selecting Unlock opens the following dialog:

• iQRAS Progra	am Activation Dialog	X
User Code 1:	282850988	ITEM Software in USA: (714) 935 2900
User Code 2:	5102663	in Europe: +44 (0) 1489 885085
Company Name:	ITEM Software (USA) Inc.	
License ID: Password:		Reg Key 1: Reg Key 2:
	, 	Unlock Cancel Help

- Your system will generate User Code 1 and User Code 2 numbers.
- The User Codes are required for activation of your program. These numbers must be presented to an Item Software representative by telephone or email.
- Item Software will then supply the License ID, Password and Registration Keys.
 - Enter these details in the boxes, and then click Unlock.
 - The Activation Complete box appears.

Success! 🛛 🔀
Activation Complete!
OK

To verify that the correct modules are activated, select 'About Item Software QRAS' from the Help Menu.

About iQRAS			×
NASA	NATIONAL AERO AND SPACE ADI	ONAUTICS MINISTRATION	•
World Leaders in Rei	ability and Safety A	nalysis Software	A
QRAS Version 2.3.0	Licensed To: ITEM S	50FTWARE (USA) INC.	
Fault Tree Analysis Event Sequence Diagram	FTA ESD	Full Version Full Version	
		Network Info OK	

• Clicking the Network Info... button will display the following dialog showing the number of network licenses, available licenses and maintenance expiration date.

• iQRAS Network Info)	×
Module Name FaultTree Event Sequence Diagram	# of Network Licenses	Available Licenses
		()

NOTE If you click Continue from the Demo Notification Dialog Box, the software opens in demonstration mode. You can register the software at any time by selecting Edit License Key from the Help Menu.

- Select Help from the Standard Toolbar
- Select Edit License Key from the Help Menu



- The Program Activation Dialog box will appear
- Follow the previous activation procedure.

Setting Up the License Manager

Once the software is activated, the license manager needs to be set with the correct types of network connections.

ITEM QRAS has two types of network connections available.

Network File Share Connections: (LAN, WAN Connections)



Server path, IP Address and Server Port Number should be obtained from your Network Administrator.

Network File Share Connections Setup

• From the Start Menu, select Programs -> Item Software -> ITEM QRAS -> ITEM QRAS License Manager.



• The License Manager Dialog box appears.

Item QRAS Li	icense Manager 🛛 🗙
IQ License Server	IQ License Client Help
– Computer Info. —–	
User Name:	Gemina Pake
Computer Name:	GRAHAM2010
IP Address:	10 . 250 . 3 . 124
	OK Cancel

• Click on IT License Server from the top menu and select Server configuration.

🗘 Item QRAS Li	cense Manager	
IQ License Server	IQ License Client	Help
License informati License Activatio License Activatio	on n By Phone n Online	
Server configural IP Address:	tion 10 . 250 .	3 . 124
		OK Cancel

- The license setup window opens.
 - Verify that Network Server is selected (A).
 - Select Network file share (**B**).
 - Verify the License path (C). If the path is incorrect, click on Browse (D) and select the folder where the license keys are located.
 - Select Service (E) for execution type and click on "Start Server Service" (F).

NOTE Selecting Thread for the Server execution type is for troubleshooting purposes only and will stop the service when exiting the license manager.

TCP/IP License setup			
Item QRAS license setup			
© Standalone Workstation		- License communicat	ion method
O Network Client	A		
Network Server		 Notwork file also 	
- License path	C C		are
C:\Program Files\Item\QBAS	S\Programs		Browse
]			
Port Number [10000		D	
Server execution type			
🔿 Service 💿 Thread			
Start Server Service	Start Server Thread		
Stop Server Service	Stop Server Thread		
Install as Service		OK OK	Cancel

• Click "OK" when finished.

Network TCP/IP Connections Setup

• From the Start Menu, select Programs -> Item Software -> ITEM QRAS -> ITEM QRAS License Manager.



44 Network Server Installation

• The License Manager Dialog box appears.

📀 Item QRAS L	icense Manager	r 🔀
IQ License Server	IQ License Client	Help
– Computer Info. —		
User Name:	Gemina Pake	
Computer Name:	GRAHAM2010	
IP Address:	10 . 250 .	3 . 124
		OK Cancel

• Click on IT License Server from the top menu and select Server configuration.

📀 Item QRAS Li	icense Manager	
IQ License Server	IQ License Client	Help
License informati License Activatio License Activatio Server configura IP Address:	on n By Phone n Online tion 10 . 250 .	3 . 124
		OK Cancel

- The license setup window opens.
 - Verify that Network Server is selected (A).
 - Select TCP/IP (**B**).
 - Verify the License path (C). If the path is incorrect, click on Browse (D) and select the folder where the license keys are located.
 - Enter the Port Number (**E**).
 - Select Service (**F**) for execution type and click on "Start Server Service" (**G**).

NOTE Selecting Thread for the Server execution type is for troubleshooting purposes only and will stop the service when exiting the license manager.

TCP/IP License setup			
 Item QRAS license setup 			
Standalone Workstation		- License communicat	ion method
C Network Client	A P	TCP/IP	ion method
Network Server		C Network file sh:	ara
- License path	<u>c</u>	Network hie she	
C:\Program Files\Item\QRAS\	Programs		Browse
,			
Port Number: 10000	-	D	
F	_		
Server execution type	G		
• Service O Thread			
Start Server Service	Start Server Thread		
Stop Server Service	Stop Server Thread		
Install as Service		ОК	Cancel

• Click "OK" when finished.

CHAPTER 4

License Server Installation

ITEM QRAS supports four types of installation: Standalone, Network Server, License Server and Network Client. This chapter will provide you the required instruction for installing the License Server Software. It contains the following sections:

- What is License Server Installation?
- Installing the License Manager Software
- Activating and Verifying the Licenses
- Setting Up the License Manager

What Is License Server Installation?

License Server Installation is designed to provide access to the License Key through a network. After installing the License Manager software on the Network Server, the Network Client installation must be performed on the client workstation. **Only the License Manager will be installed on the server, ITEM QRAS will not be installed and cannot be run on the server**.

This option is intended for a single user or multiple users that are required to have the Software Licenses installed on a shared license server. The number of users accessing the software will be limited to the number of licenses purchased.



NOTE *The following must be noted when installing the software on a network server:*

- THE INSTALLATION MUST BE PHYSICALLY PERFORMED AT THE DESIGNATED NETWORK SERVER AND CANNOT BE DONE FROM A REMOTE WORKSTATION.
- THE LICENSE MANAGER MUST BE INSTALLED ON THE SERVER BEFORE IT CAN BE INSTALLED ON A NETWORK CLIENT.
- SERVER INSTALLATION REQUIRES FULL ADMINISTRATIVE RIGHTS.
- THE PROGRAM INSTALLATION FOLDER (FOR EXAMPLE: C:\Program Files \Item\ QRAS\ Programs) INSTALLED ON THE NETWORK SERVER MUST BE SHARED BETWEEN THE NETWORK SERVER AND CLIENT WORKSTATION.
- NETWORK CLIENT MUST HAVE FULL ACCESS RIGHTS TO THE PROGRAMS FOLDER (FOR EXAMPLE: C:\Program Files \Item\ QRAS\ Programs) INSTALLED ON THE NETWORK SERVER.

Installing the License Manager

The Install Wizard will guide you through simple steps for installing ITEM QRAS. Please complete the following steps:

- Insert the ITEM QRAS CD into your CD-ROM drive.
- If the Auto Run feature is not activated, choose **Run** from the **Start** Menu. The Run dialog box appears.

Run	? 🗙
-	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:	D:\Setup
	OK Cancel Browse

- In the Run dialog box, type **D:**\setup (replace the letter D with the correct letter for your CD-ROM drive).
- Click **OK** to activate the installation program.
- If the Auto Run feature is activated, the following screen appears.

Pitem		номе
номе		Welcome to Item Software's interactive Product/Demonstration CD-ROM.
ABOUT US		To install the full program, or to upgrade an existing installation, please click the button below left.
	\sim	This disc will also provide you with information about the company, its products and services. You can also install domentrations of our
SERVICES O	INSTALL	latest software products for evaluation purposes.
	UPGRADE	Use the menu buttons on the left of the screen to navigate around the demo CD-ROM.
INSTALL DEMO		To exit the demo at any time simply press the escape key on your keyboard.
		Thank you for choosing Item Software, and we look forward to being of service to you in the near future.
© 2004 litern Software		ltem Software.

• Select Install or Upgrade.



• Select ITEM QRAS. The installation wizard begins.

🔊 Item QRAS - InstallShield Wizard	×
Password This package has been password protected.	
Enter the password required to run this package. Please note that passwords are case sensitive. Click Next to continue.	
Password:	
TostallShield	
< <u>B</u> ack <u>M</u> ext > Cancel	

• Enter the password you have been provided with to begin installation.

NOTE *If the following window appears, click* **Yes** *to allow the process to uninstall the existing installation, and then restart the installation process.*





Click **Next** and the following Setup Type dialog box appears.

ITEM QRAS Version 2.3.0	×
Setup Type Choose the setup type that best suits your needs.	
Click the type of installation you require: License Server Network Client Network Server Standalone	Description
InstallShield	< <u>N</u> ext > Cancel

- Choose License Server and click Next.
- The License Agreement dialog box appears. Read the license agreement carefully and click **Yes** to accept or **No** to decline. If you click No, the setup program closes.
- The Customer Information dialog box appears. Type the user name and the company name in the appropriate boxes, and then click **Next**.

ITEM QRAS Version 2.3.0	
Customer Information Please enter your information.	
Please enter your name and the name of the company for whom you work.	
User Name:	
Sales & Admin	
Company Name:	
ITEM Software (USA) Inc.	
Instalishield	Cancel

• The Choose Destination Location dialog box appears. To choose a destination folder that the programs file should be installed into, click **Next** to accept the default destination folder or click **Browse**, select an alternate folder, then click **Next**.

NOTE *The destination folder must be shared on the network to provide access to all network clients.*

ITEM QRAS Version 2.3.0
Choose Destination Location Select folder where Setup will install files.
Setup will install License & License Manager files in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files Browse
InstallShield
< <u>B</u> ack <u>Next></u> Cancel

• The Server Installation Connection Type dialog appears. Select the type of connection you wish for the client machine. The choice is either Network File Share or TCP/IP. With the former option full read/write access to the destination folder is required. With the latter option, you must also enter a port number. If you are unsure which option to select, please consult your Network Administrator. Once your choice has been made click **Next**.



The Select Program Folder dialog box appears. To accept the Item Software folder, click **Next**. To create a new folder, type the name of the new folder in the Program Folder box, and then click **Next**. To select an existing folder, locate the desired folder in the Existing Folders list, select it, and then click **Next**.

ITEM QRAS Version 2.3.0	
Select Program Folder Please select a program folder.	
Setup will add program icons to the Program Folder listed below. You may type a new name, or select one from the existing folders list. Click Next to continue. <u>Program Folders:</u> [<u>Item Software</u> Existing Folders:	folder
Existing Folders: Audio Related Programs CoreIDRAW 9 DemoShield 6.0 DVD Shrink EPSON Printers EPSON SMART PANEL for Scanner Games IcoFX 1.6 Item Software	
InstallShield	Cancel

• The option to add icons to the desktop is the next window to appear.

ITEM QRAS Version 2.3.0	×
Select Shortcuts	
Select from the shortcut options below.	
Add Shortcut to Desktop	
🔽 Add Shortcut to Start Menu	
InstallShield	
	< <u>B</u> ack <u>N</u> ext > Cancel

• The Setup Status dialog box appears and displays the progress of the installation.

ITEM QRAS Version 2.3.0	
Setup Status	Red 1
QRAS Setup is performing the requested operations.	
Installing:	
C:\\Item\QRAS\Programs\QRAS Tutorial Version 2.0_Rev3.pdf	
33%	
InstallShield	
	Cancel

• When the InstallShield Wizard Complete dialog box appears, click Finish.

ITEM QRAS Version 2.3.0		
	Setup Complete Setup has now finished installing ITEM QRAS. After clicking Finish please wait a few moments, until the blue screen disappears, before continuing.	
	< Back Finish Cancel	

Activating the Licenses

Once the License Manager Software is installed, the license must be activated. If not, only the demonstration mode features will be available at the client workstations.

• From the Start Menu, select Programs\Item Software\ ITEM QRAS\ITEM QRAS License Manager.



• The Demo Notification dialog box appears. Select one of the unlock options.

IQRAS Demo Notification	×
This is an evaluation version of ITEM QRAS. For technical or sales enquiries please contact: ITEM Software in USA: (714) 935 2900 or ITEM Software in Europe: +44 (0) 1489 885085	
Visit Itemsoft Web Site	
30 days left in the evaluation period.	
Unlock by Email Unlock Qnline Unlock by Phone Continue	

• Selecting Unlock Online opens the following dialog:

Online Activati	on	
License ID: Password:	[] [
1	Cancel	K

- Enter the required information and click OK
- Selecting Unlock by Phone opens the Program Activation Dialog:



• Selecting Unlock opens the following dialog:

• iQRAS Progra	am Activation Dialog	X
User Code 1:	282850988	ITEM Software in USA: (714) 935 2900
User Code 2:	5102663	in Europe: +44 (0) 1489 885085
Company Name:	ITEM Software (USA) Inc.	
License ID:		Reg Key 1:
Password:		Reg Key 2:
		Unlock Cancel Help

- Your system will generate User Code 1 and User Code 2 numbers.
- The User Codes are required for activation of your program. These numbers must be presented to an Item Software representative by telephone or email.
- Item Software will then supply the License ID, Password and Registration Keys.
- Enter these details in the boxes, and then click Unlock.
- The Activation Complete box appears.



• Click OK and the License Manager opens. Click Cancel to exit the License Manager.

Item QRAS Li	icense Manager	×
IQ License Server	IQ License Client Help	
– Computer Info. —		
User Name:	Gemina Pake	
Computer Name:	GRAHAM2010	
IP Address:	10 . 250 . 3 . 124	
	Can	cel

NOTE If you click Continue from the Demo Notification Dialog Box, the License Manager opens and you can unlock modules from here by selecting IQ License Server and then License Activation.

Verifying the Licenses

• Click on IQ License Server and select License Information.



• The Server License Information window appears giving you the number of purchased and available license.

🖸 Server License Information 🛛 🛛 🗙			
Module Name FaultTree Event Sequence Diagram	# of Network Licenses Available Licenses 1 1	Maintenance Expiration Nov 22, 2012 Nov 22, 2012	
		ОК	

Setting Up the License Manager

Once the licenses are activated, the license manager needs to be set with the correct types of network connections.

ITEM QRAS has two types of network connections available.

Network File Share Connections: (LAN, WAN Connections)



Server path, IP Address and Server Port Number should be obtained from your Network Administrator.

Network File Share Connections Setup

• From the Start Menu, select Programs\Item Software\ ITEM QRAS\ITEM QRAS License Manager.



• The License Manager Dialog box appears.

Item QRAS L	icense Manager	
IQ License Server	IQ License Client Help	
– Computer Info. –––]
User Name:	Gemina Pake	
Computer Name:	GRAHAM2010	
IP Address:	10 . 250 . 3 . 124	
		ancel

• Click on IQ License Server from the top menu and select Server configuration.

Item QRAS License Manager		
IQ License Server	IQ License Client	Help
License information License Activation By Phone License Activation Online		
Server configuration IP Address: 10 . 250 .		3 . 124

• The license setup window opens.

- Verify that Network Server is selected (A).
- Select Network file share (**B**).
- Verify the License path (C). If the path is incorrect, click on Browse (D) and select the folder where the license keys are located.
- Select Service (E) for execution type and click on "Start Server Service" (F).

NOTE Selecting Thread for the Server execution type is for troubleshooting purposes only and will stop the service when exiting the license manager.

TCP/IP License setup			×
- Item QRAS license setup			
C Standalone Workstation			ion method
O Network Client			ion method
Network Server		Notwork file also	
-License path		Metwork file sha	aie
C:\Program Files\Item\QRAS	\Programs		Browse
1 -	-	_/	
Port Number: 10000	_	D	
∫ <mark>E</mark>			
Server	F		
• Service O Thread			
Start Server Service	Start Server Thread	1	
Stop Server Service	Stop Server Thread	1	
Install as Canvian		·	
Install as Service		OK	Cancel

• Click "OK" when finished.

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Network TCP/IP Connections Setup

• From the Start Menu, select Programs\Item Software\ ITEM QRAS\ITEM QRAS License Manager.

💼 Item Software 🔹 🕨	🛅 ITEM ToolKit	×		Ξ
🔄 Microsoft SharedView	🝯 ITEM Software Website			4
	🛅 ITEM QRAS	×	🚯 ITEM QRAS License Manager	ALUSU1

• The License Manager Dialog box appears.

🚯 Item QRAS L	icense Manager	×
IQ License Server	IQ License Client Help	
– Computer Info. –––		_
User Name:	Gemina Pake	
Computer Name:	GRAHAM2010	
IP Address:	10 . 250 . 3 . 124	
		. 1
		ei

• Click on IQ License Server from the top menu and select Server configuration.

Item QRAS License Manager		
IQ License Server	IQ License Client	Help
License information License Activation By Phone License Activation Online		
Server configura	ation 10 . 250 .	3.124

• The license setup window opens.

- Verify that Network Server is selected (A).
- Select TCP/IP (**B**).
- Verify the License path (C). If the path is incorrect, click on Browse (D) and select the folder where the license keys are located.
- Enter the Port Number (**E**).
- Select Service (**F**) for execution type and click on "Start Server Service" (**G**).

NOTE Selecting Thread for the Server execution type is for troubleshooting purposes only and will stop the service when exiting the license manager.

TCP/IP License setup			X
Item QRAS license setup			
Standalone Workstation		⊢ License communicati	ion method
O Network Client			
Network Server	B	Network file sha	are
- License path			
C:\Program Files\Item\QRAS\	Programs		Browse
· · · · · · · · · · · · · · · · · · ·			
Port Number: 10000		D	
E F	\frown		
Server execution type	G		
Service C Thread	—		
Start Server Service	Start Server Thread		
Stop Server Service	Stop Server Thread		
Install as Service		ОК	Cancel

• Click "OK" when finished.

CHAPTER 5

Network Client Installation

ITEM QRAS supports four types of installation: Standalone, Network Server, Network License Server and Network Client. This chapter will provide you the required instruction for installing the software as a Network Client. It contains the following sections:

- What is Network Client Installation?
- Installing the Software
- Activating the Software
- Setting Up Network Client
- Verifying the Software

What Is Network Client Installation?

Network Client Installation is designed to install ITEM QRAS on the client workstation and to create a path from the client workstation to the network server. Upon completing the installation of the Network Client (client workstation), the license keys that are installed on your network server can be accessed from the client workstation. Network server installation must be present and activated within your network prior to installing the Network Client.



NOTE The following must be noted when installing the software on a Network Client:

- NETWORK CLIENT INSTALLATION MUST BE PHYSICALLY PERFORMED AT THE DESIGNATED CLIENT WORKSTATION AND CANNOT BE PERFORMED FROM REMOTE WORKSTATION OR SERVER.
- QRAS OR THE LICENSE MANAGER MUST BE INSTALLED ON THE NETWORK SERVER BEFORE DOING A NETWORK CLIENT INSTALLATION.
- NETWORK CLIENT INSTALLATION REQUIRES FULL ADMINISTRATIVE RIGHTS.
- THE PROGRAMS FOLDER (FOR EXAMPLE: C:\PROGRAM FILES \ITEM\ QRAS\ PROGRAMS) INSTALLED ON THE NETWORK SERVER MUST BE SHARED BETWEEN THE NETWORK SERVER AND CLIENT WORKSTATION.
- NETWORK CLIENT MUST HAVE FULL ACCESS RIGHTS TO THE PROGRAMS FOLDER (FOR EXAMPLE: C:\PROGRAM FILES \ITEM\ QRAS\ PROGRAMS) INSTALLED ON THE NETWORK SERVER.

Installing the Software

The Install Wizard will guide you through simple steps for installing ITEM QRAS. Please complete the following steps:

- Insert the QRAS CD into your CD-ROM drive.
- If the Auto Run feature is not activated, choose **Run** from the **Start** Menu. The Run dialog box appears.

Run	? 🔀
-	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:	D:\Setup
	OK Cancel Browse

- In the Run dialog box, type **D:**\setup (replace the letter D with the correct letter for your CD-ROM drive).
- Click **OK** to activate the installation program.
- If the Auto Run feature is activated, the following screen appears.

(î) îtem		номе
номе		Welcome to Item Software's interactive Product/Demonstration CD-ROM.
	-	To install the full program, or to upgrade an existing installation, please click the button below left.
	$\overline{}$	This disc will also provide you with information about the company, its products and services. You can also install demonstrations of our
	INSTALL	latest software products for evaluation purposes.
PDF FILES	UPGRADE	to navigate around the demo CD-ROM. To exit the demo at any time simply press the
EXIT		escape key on your keyboard. Thank you for choosing Item Software, and we look forward to being of service to you in the near future.
(b 2004 keen Satiman		Item Software.

Select Install or Upgrade.



• Select ITEM QRAS. The installation wizard begins.

🗟 Item QRAS - InstallShield Wizard	
Password This package has been password protected.	
Enter the password required to run this package. Please note that passwords are case sensitive. Click Next to continue.	
Password:	
InstallShield	
< Back Next > Cancel	

• Enter the password you have been provided with to begin installation.

NOTE If the following window appears, click **Yes** to allow the process to uninstall the existing installation, and then restart the installation process.





Click Next and the following Setup Type dialog box appears.

ITEM QRAS Version 2.3.0	
Setup Type Choose the setup type that best suits your needs.	R
Click the type of installation you require: License Server Network Client Network Server Standalone	n
InstallShield <u>R</u> ack <u>N</u> e	xt > Cancel

- Choose Network Client and click Next.
- The License Agreement dialog box appears. Read the license agreement carefully and click **Yes** to accept or **No** to decline. If you click No, the setup program closes.
- The Customer Information dialog box appears. Type the user name and the company name in the appropriate boxes, and then click **Next**.
| ITEM QRAS Version 2.3.0 | X |
|---|--------|
| Customer Information
Please enter your information. | |
| Please enter your name and the name of the company for whom you work. | |
| User Name: | |
| Sales & Admin | |
| Company Name: | |
| ITEM Software (USA) Inc. | |
| | |
| | |
| InstallShield | |
| < <u>B</u> ack <u>N</u> ext> | Cancel |

• The Choose Destination Location dialog box appears. To choose a destination folder that the program files should be installed into, click **Next** to accept the default destination folder or click **Browse**, select an alternate folder, then click **Next**.

ITEM QRAS Version 2.3.0
Choose Destination Location Select folder where Setup will install files.
Setup will install QRAS in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files Browse
InstallShield Cancel

• The Choose Network Destination Path dialog box appears.

ITEM QRAS Version 2.3.0
Client Installation Connection Type
Please select Client connection type for the Server.
The License Path should be to the main directory of the program on the Server, e.g. L:\Program Files, and NOT the full path. Full Read/Write access to this directory is also required.
Network File Share
License Path
L:\Program Files Browse
C TCP/IP (If you are unsure of these settings, contact your Network Administrator.)
Port Number: 10000
Server IP Address: 0 . 0 . 0
InstallShield
< <u>B</u> ack <u>Next></u> Cancel

- For Network File Share connection type, click Browse to select the path from the client workstation to the directory containing the program on the Network Server.
- The Path dialog box appears.

Choose Folder	<
Please choose the installation folder. <u>P</u> ath:	
C:\Program Files	
Directories:	
Program Files Adobe Apple Software Update ComPark CDex Common Files ComPlus Applications Corel	
OK Cancel	

- Select the folder on the Network Server where the ITEM QRAS program files have been installed, click OK and click **Next** to continue.
- For TCP/IP connection type, enter the Port Number and Server IP Address. If you are unsure of these settings, please contact your Network Administrator. Click **Next** to continue.
- The Select Program Folder dialog box appears. To accept the Item Software folder, click **Next**. To create a new folder, type the name of the new folder in the Program Folder box, and then click **Next**. To select an existing folder, locate the desired folder in the Existing Folders list, select it, and then click **Next**.

ITEM QRAS Version 2.3.0	×
Select Program Folder Image: Constraint of the select a program folder. Image: Constraint of the select a program folder.	
Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing folders list. Click Next to continue. Program Folders: Item Software	
Existing Folders: Audio Related Programs CoreIDRAW 9 DemoShield 6.0 DVD Shrink EPSON Printers EPSON SMART PANEL for Scanner Games IcoFX 1.6 Item Software	
InstallShieldCancel	

• Select the optional Components to be installed, and then click **Next**.

ITEM QRAS Version 2.3.0		×
Optional Components		
Please select from the optional comp	onents below for inclusi	ion in your installation.
Additional Help Files	0 K	Description
✓ Example Files	0 K	These components install additional help fiels in alternative formats.
Space Required on IC:	117480 K	
Space Available on C: InstallShield	185100404 K	
	< <u>B</u> ack	Next > Cancel

• The option to add icons to the desktop is the next window to appear.

ITEM QRAS Version 2.3.0	X
Select Shortcuts	
Select from the shortcut options below.	
Add Shortcut to Desktop	
🔽 Add Shortcut to Start Menu	
InstallShield	
	< <u>B</u> ack <u>N</u> ext > Cancel

• The Setup Status dialog box appears and displays the progress of the installation.

ITEM QRAS Version 2.3.0	\mathbf{X}
Setup Status	
QRAS Setup is performing the requested operations.	
Installing:	
C:\WINDOWS\system32\dbmsadsn.dll	
58%	
InstallShield	
	Cancel

• When the InstallShield Wizard Complete dialog box appears, click Finish.

ITEM QRAS Version 2.3.0	
	Setup Complete Setup has now finished installing ITEM QRAS. After clicking Finish please wait a few moments, until the blue screen disappears, before continuing.
	< Back Finish Cancel

Activating the Software

A Network Client cannot be activated and once the software is installed, it should open normally and read the License Key located on the Server.

NOTE ITEM QRAS will display error messages if:

1. The software cannot read the License Key because the Network Server is down, the connection is lost, the client is logged off or the Network Path is incorrect.

2. You have more users than licenses available.



License problem warning Box



User Limit Exceeded Warning Box

Setting Up the Network Client

Once the Network Client version of QRAS is installed, the Client license manager needs to be set with the correct types of network connections.

ITEM QRAS has two types of network connections available.

Network File Share Connections: (LAN, WAN Connections)



TCP/IP Connections: (Internet Connections)



Server path, IP Address and Server Port Number should be obtained from your Network Administrator.

Network File Share Connections Setup

• Select Help From the Standard Toolbar and Select TCP/IP Client Setup.

🚯 iqras - item qras -	
Eile Settings Window	Help
🗅 🚅 🔚 X 🖻	Help Topics
	Edit License Key
	Update License Online
	TCP/IP Client Setup
	Item Software on the Web
	💡 About Item Software QRAS

- The License setup window opens.
 - Verify that Network Client is selected (A).
 - Select Network file share (**B**).
 - Verify the License path (C). If the path is incorrect, click on Browse (D) and select the folder where the license keys are located.

TCP/IP License setup	
- ITEM QRAS license setup	
Standalone Workstation Image: Standalone Workstation A Image: Standalone Workstation A Image: Standalone Workstation B Image: Standalone Workstation	License communication method TCP/IP Network file share
C:\Program Files\Item\ORAS\Programs	Browse
	_
Port Number: 10000	D
Server IP Address: 0 . 0 . 0 . 0	
	OK Cancel

• Click "OK" when finished.

Network TCP/IP Connections Setup

• Select Help From the **Standard Toolbar** and Select **TCP/IP Client Setup**.

🚯 IQRAS - ITEM QRAS -	
<u>File S</u> ettings <u>W</u> indow	Help
🗅 🚅 🔛 X 🖻	Help Topics
	Edit License Key
	Update License Online
	TCP/IP Client Setup
	Item Software on the Web
	😵 About Item Software QRAS

- The License setup window opens.
 - Verify that Network Client is selected (A).
 - Select TCP/IP (**B**).
 - Enter the Server Port Number (C).
 - Enter the Server IP Address (**D**).

TCP/IP License setup	
-ITEM QRAS license setup	
Standalone Workstation Network Client Network Server License nath	License communication method • • • TCP/IP • • Network file share
	Province
	Drowse
Port Number: 10000	
Server IP Address: 0 . 0 . 0 . 0	
D	
	OK Cancel

• Click "OK" when finished.

Verifying the Software

To Check Which Modules Are Activated

- Select Help From the **Standard Toolbar**.
- Select About Item Software QRAS.



• The About ITEM QRAS Dialog Box appears and you can check the Version of the software and which modules are in full version or Demo Version.



Click "OK" when finished.

To Check How Many Licenses Are Available

• Click on Network Info (A) in the About ITEM QRAS Dialog Box.

About iQRAS		
NISI	NATIONAL AERON AND SPACE ADMI	AUTICS NISTRATION
World Leaders In Reli	ability and Safety Anal	ysis Software
QRAS Version 2.3.0	Licensed To: ITEM SOFT	TWARE (USA) INC.
Copyright (C) 2011 ITEM Software		
_ iQRAS		
Fault Tree Analysis Event Sequence Diagram		Full Version Full Version
		letwork Info OK

• Check how many Licenses are available. If no licenses are available for the module you want to open, wait until another client closes their application or purchase additional licenses.

iQRAS Network Info		×
Module Name FaultTree Event Sequence Diagram	# of Network Licenses	Available Licenses
		OK

• Click "OK" when finished.