Honeywell

Honeywell Process Solutions

Experion HS Software Installation User Guide

EP-HSCX32 Experion HS R310 March 2009

Release Experion HS R310

Honeywell

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About This Document

This Software Installation User's Guide describes how to install Experion HS, including how to prepare the server and client computers on which Experion HS is installed.

Release Information

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References

Document Name
Experion HS R310 Release Notes
Experion Supplementary Installation Tasks Guide
Experion Server and Client Configuration Guide

Contacts

World Wide Web

The following Honeywell web sites may be of interest to Process Solution customers.

Honeywell Organization	WWW Address (URL)
Corporate	http://www.honeywell.com
Process Solutions	http://hpsweb.honeywell.com/

Telephone

Contact us by telephone at the following listed numbers.

Contacts

Location	Organization	Phone
United States and Canada	Honeywell IAC Solution Support Center	1-800-822-7673
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	India	(outside or within India)
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Elsewhere	Call your nearest Honeywell office.	

Symbol Definitions

The following table lists those symbols used in this document to denote certain conditions.

Symbol	Definition
	ATTENTION: Identifies information that requires special consideration.
	TIP: Identifies advice or hints for the user, often in terms of performing a task.
F	REFERENCE – INTERNAL: Identifies an additional source of information within the bookset.
WARNING : Indicates a potentially hazardous situation, which, avoided, could result in serious injury or death.	
	WARNING symbol on the equipment refers the user to the product manual for additional information. The symbol appears next to required information in the manual.

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1. Before You Start



ATTENTION

Refer to the HPS Online Support Web site for accessing the latest versions of the *Release Notes* and the *Software Installation Users Guide*.

The person installing the Experion software must have an understanding of Windows folder and file structures, experience in installing software programs using standard installation screens, and an understanding of the control system requirements.

1.1 Checking the support Web site for updates

Before installing Experion HS, check the support Web site for software and documentation updates.

Step	Action		
1	In your Web browser application, type the following URL:		
	http://hpsweb.honeywell.com/. Log on using your User Login and Password .		
2			
	ATTENTION		
	If you are a new user, you must Register to log on to the Web site.		
3	Choose Support Links > System Products on the Web page.		
	Or		
	Choose Support > System Products , from the upper-left side of the Web page.		
4	Select Experion Platform on the left menu.		
5	Select Experion HS on the left menu.		
6	Download any updates as appropriate.		

If you are not able to access the support Web site contact your local Honeywell office, refer to the telephone contact numbers provided in this document.

1.2 Read the Release Notes

The *Experion HS Release Notes* provides information that affects the software installation tasks. Read this document completely before starting the software installation.

1.3 Experion HS Reference documents

For the complete set of Experion HS documents, refer to the Experion HS PDFViewer in the Application Software DVD or the *Experion HS R310 Knowledge Builder*.

2. Hardware and Software Requirements

ATTENTION

- Ensure that Windows Vista Business Edition (32-bit) English version + Service Pack 1 is installed.
- You must use a user account with Administrative privileges to install Experion. Do not use the default Windows Vista Administrator account.

2.1 Computer Hardware specifications

For information on Computer Hardware Specifications, refer to the *Technical Specifications data* in <u>http://hpsweb.honeywell.com/Cultures/en-US/Products/Systems/default.htm</u>.



Free disk space

Before installing Experion HS, ensure that you have minimum 80 GB of free hard disk space on the C: drive of the node. If the free hard disk space is not sufficient, reconfigure the system using the OEM media.

Disk storage requirements

The required disk storage depends on the history and event archiving requirements.

To calculate storage requirements, refer to the *Experion Server and Client Planning Guide*.

Backup facilities

It is essential that you provide backup facilities for the server to protect against a hard disk failure or other problems.

For more information on Backup and Restore, refer to the *Experion Backup and Restore guide* in the Experion HS PDFViewer, which is included in the Experion HS Application Software DVD.

2. Hardware and Software Requirements

2.1. Computer Hardware specifications

Network Interface Cards

ATTENTION The Etherlink III NIC, is not supported in this release of Experion HS.

It is recommended that you use either the network interface card (NIC) supplied with the computer (if it is a DELL computer), or an Etherlink XL NIC. However, you can use any NIC supported by Windows Vista.

Controller Interfaces

Refer to your Experion HS License Certificate for details of the interface and controller types supported by Experion HS.

For installation and configuration information, refer to the *Experion Interface Reference* Guides in Experion HS R310 Knowledge Builder.

2.2 Software requirements

Operating System	Windows Vista Business Edition (32-bit) English version + Service Pack 1.	
Microsoft Office	Microsoft Office 2007 SP1, Microsoft office 2003 SP2 and Excel 2007.	
	Note:	
	 We recommend that you do not install Microsoft Outlook on the Server node. 	
	Microsoft Office 2007 English is the only supported version.	
	For more information about installing Microsoft Excel Reports, refer to the <i>Supplementary Installation Tasks Guide</i> .	
	For more information about creating Microsoft Excel Reports, refer to Configuring reports section in the Server and Client Configuration Guide.	
Antivirus software	Symantec Corporate Antivirus V10	
	McAfee VirusScan v8.5i	
	Refer to the Online Support Web site for more information about Honeywell-qualified antivirus software.	
	For more information on configuring the antivirus software, refer to Protecting against Viruses.	

2. Hardware and Software Requirements 2.2. Software requirements

3. System Planning

3.1 Configuration forms

This section contains the information about configuration forms that are required during the installation procedures. We recommend that you print a copy of the following forms, so that you can record the relevant information as you read this section.

Server configuration form



ATTENTION

The non-redundant server and client computer names must not end with the letter A or B. In redundant server system, name of the nodes must end with the letter A (for primary) and the letter B (for secondary).

Property	Value
Server computer name, for example expserver	
Domain or Workgroup name	
Server IP address	
Subnet mask	
Default gateway	
Windows mngr account password	
It is important to choose a strong password for the Windows mngr account as it is difficult to change the password after the system installation.	
The password must not exceed eight characters and must include at least one non-alphabetic character. This password must be the same on all Experion HS nodes.	

3. System Planning 3.1. Configuration forms

Client configuration form



ATTENTION

The client computer names must not end with the letter A or B. Only redundant server pair nodes can end with the letter A or the letter B as these letters are reserved for redundant servers.

Property	Value
Windows mngr account password	
Client/Station 2	
Computer name	
IP address	
Client/Station 3	
Computer name	
IP address	
Client/Station 4	
Computer name	
IP address	
Client/Station 5	
Computer name	
IP address	

3.2 Computer names

Π

ATTENTION

Do not change the Experion server computer name after the software installation.

All Experion server and client computers must have a unique fixed name and IP address.

There are basic restrictions when naming server and client computers, which are the following:

- The computer name must be 13 characters, or less, in length.
- The computer name must begin with an alphabetic character. For example a to z, or A to Z.
- The computer name cannot contain spaces or other non-standard characters.
- Only redundant server pair nodes can end with the letter A or the letter B.
- The computer name must not end with "0" or "1". (Ending a name with 0 or 1 may result in communication failures if you have redundant networks, because 0 and 1 suffixes are appended to the computer names in hosts files to identify redundant links.)

3.3 About Windows accounts

The installation creates several Windows accounts and groups. The following table shows the account details after installing Experion.

Windows account	Group						
	Honeywell Administrators	Engineering Repository Administrator	Local Servers	Users	Local Engineers	Backup Operators	Local Operators
mngr(1)	Yes	Yes	Yes	Yes		Yes	
expengr(2)	Yes	Yes		Yes		Yes	
expoper(3)				Yes			Yes
(1) This is the Experion system account.							
(2) Log on using this account to configure the system.							
(3) Log on using the expoper account to operate the system.							

ATTENTION

The Windows account passwords are case-sensitive.

For more information on configuring the IP address for single and redundant networks, refer to <u>Guidelines for configuring common network properties</u>.

3.4 Station Operator IDs

The installation creates the following default Station Operator IDs. The mngr Station login is not linked to the Windows mngr account.

Operator ID	Description
Mngr	If you intend to use operator-based security (preferred), users cannot access any Station functions unless they enter a valid ID and password or have their Station access authenticated by their Windows account or Windows group or domain account.
	If you intend to use Station-based security, Station starts without prompting users to enter any form of operator ID or password. The initial security level setting allows users to perform the basic operating functions associated with the user level of OPER, and users only need to use a password if they want to change to a higher level of security.
	This is the default Station Operator ID, for which the
	Security level is MNGR (see section <u>Station Security levels</u>).
	 Default password is mngr1 (note the use of lower case – the passwords are case-sensitive).
Honeywell Administrators	Members of this group have direct access to the Experion database, file system sub-tree containing Experion executable and data files, and to the Experion registry keys. Engineers, administrators, and developers must belong to this group. Select the domain name if you are using this operator.
Local Engineers	A group, created for convenience, which is used to group the plant engineers. Select the domain name if you are using this operator.
Local Operators	A group, created for convenience, which is used to group the plant operators. Select the domain name if you are using this operator.

By default, the password expiry period for all Station Operator logins that are not linked to a Windows account is set to 30 days, which can cause problems after the system installation. The password expiry period can be optionally disabled, as described in Disabling Operator password timeout section.

3.5 Station Security levels

Experion HS provides the following security levels that apply when you use Station. If you use Station-based security, you can "jump" to a particular security level by typing the password for that level on that Station. If you use operator-based security, each person is given a unique Station Operator ID and assigned a specific security level.

Security level	Description
View Only	Allows only viewing. This level is available only with operator-based security.
Ack Only	Allows viewing and alarm acknowledgement. This level is available only with operator-based security.
OPER	The standard operator level that allows alarm acknowledgement and routine control.
SUPV	Provides access to supervisor-level functions.
ENGR	Provides access to engineer-level functions.
MNGR	Provides unrestricted access to all functions.



ATTENTION

For migrating from Experion Vista R301 and Experion HS R301, refer to the *Experion HS Migration Guide*.

4.1 Preparing for the installation

Overview of installation

The Experion installation can be performed in the following two ways.

- Installing from the network
- Installing from the Experion Installation media

Prerequisites

• Ensure that you have installed Microsoft Windows Vista.



ATTENTION

Check the BIOS settings of your PC and verify that any Multiple CPU Core related option(s) is/are enabled. Refer to your PC Manufacturers documentation for more details.

Verify that Microsoft Vista SP1 is installed on your system by performing the following:

• Right-click **Computer** icon on the desktop and select **Properties**. Verify the system information in the system properties window.

Setting Start Menu Properties

Step	Action
1	Right-click on the taskbar to select Properties .
	The Taskbar and Start Menu Properties dialog box appears.
2	In the Start Menu tab, click Classic Start Menu.
3	Click Apply and then OK.
-	

4.1. Preparing for the installation

Setting the screen resolution

To set the display settings, perform the following steps.

Step	Action		
1	Choose Start > Settings > Control Panel.		
	The Control Panel opens.		
2	Click Control Panel Home on the left pane.		
3	Click Appearance and Personalization in the Control Panel window.		
4	Click Adjust screen resolution link under Personalization.		
	The Display Settings dialog box appears.		
5	Adjust the screen resolution to a supported Experion resolution (for example 1280 x 1024, 32-bit), and click OK .		

Customizing the Performance Settings

To customize the Performance Settings, perform the following steps.

Step	Action
1	Choose Start > Settings > Control Panel.
2	Click System and Maintenance in Control Panel.
3	Click System .
4	Click Advanced System Settings on the left side of the window.
	The User Account Control dialog box appears.
5	Click Continue .
	The System Properties dialog box appears.
6	In the Advanced tab, click Settings under Performance.
7	In the Visual Effects tab, click Adjust for best performance.
8	Click Apply and then OK.
9	Click OK to close the System Properties dialog box and then close the System window.

Customizing the Power Options

To customize the Power Options, perform the following steps:

Step	Action
1	Choose Start > Settings > Control Panel.
2	Click System and Maintenance in the Control Panel window.
3	Click Power Options.
4	Click Change plan settings under Power Saver option.
5	Click Change Advance Power Settings.
6	Select Never from the Put the computer to sleep list.
7	Click Save Changes.
8	On the Power Options window, click Power Saver to apply the configured Power Saver plan.
9	Close the Power Options window.

Adding the Computer icon on the desktop

The following procedure is applicable only if the computer icon is not visible on the desktop.

Step	Action
1	Choose Start > Settings > Control Panel.
	The Control Panel dialog box appears.
2	Click Appearance and Personalization in the Control Panel window.
3	Click Personalization.
4	On the left pane, click Change desktop icons.
	The Desktop Icon Setting dialog box appears.
5	Under Desktop icons, select Computer .
6	Click OK and close the Personalization window.

4.1. Preparing for the installation

Setting the network connections

To set the network connections, perform the following steps.

Step	Action		
1	Choose Start > Settings> Control Panel.		
	The Control Panel dialog box appears.		
2	Choose Network and Internet > Network and Sharing Center in the Control Panel window.		
3	Under Sharing and Discovery, to turn on File Sharing select the drop-down arrow.		
4	By default the file sharing option is turned off, ensure you select Turn on file sharing and then click Apply .		
	The User Account Control dialog box appears.		
5	Click Continue.		
	The File Sharing dialog box appears.		
6	Select Yes, turn on file sharing for all public networks.		
7	Under Sharing and Discovery, to turn on Network Discovery, select the drop-down arrow.		
8	By default the network discovery option is turned off, ensure you select Turn on network discovery and then click Apply .		
	The User Account Control dialog box appears.		
9	Click Continue .		
	The Network Discovery dialog box appears.		
10	Select Yes, turn on network discovery for all public networks.		
11	On the left pane of the Network and Sharing Center window, click Manage network connections.		
_	ATTENTION		
	If your system has multiple NIC enabled, then right-click the unused NIC and select Disable .		

A User Account Control screen appears. Click Continue.

4. Experion HS Installation 4.1. Preparing for the installation

Step	Action
12	Right-click on the required NIC, and then select Properties .
	The User Account Control dialog box appears.
13	Click Continue.
	The Local Area Connection Properties dialog box appears.
14	Double-click Internet Protocol Version 4 (TCP/IPv4).
	The Internet Protocol Version 4 (TCP/IPv4) Properties dialog box appears.
15	Configure the IP address if required and then click OK to close the Internet Protocol Version 4(TCP/IPv4) Properties dialog box.
16	Click OK to close the Local Area Connection properties dialog box.
17	Close all the opened windows on the desktop.

Disabling disk auto defragmentation

To disable the disk auto defragmentation, perform the following steps.

Step	Action
1	Double-click My Computer.
	The Computer window appears.
2	Right-click Local Disc (C :) and select Properties.
	The Local Disc (C :) Properties window appears.
3	Click Tools tab.
4	Click Defragment Now under Defragmentation.
	The User Account Control dialog box appears.
5	Click Continue .
	The Disc Defragmenter dialog box appears.
6	Click Select volumes
	The Disc Defragmenter: Advanced Options dialog box appears.
7	Clear Automatically defragment new discs option and click OK.

4.1. Preparing for the installation

Step	Action
8	Clear the Run on a Schedule (Recommended) checkbox.
9	Click OK to cancel the Disc Defragmenter dialog box.
10	Click OK to close Local Disc (C :) Properties window.

Disabling Windows Vista Sidebar Settings

To disable Windows Vista sidebar setting, perform the following steps.

Step	Action
1	Right-click the Windows Sidebar icon on the taskbar.
	If you do not see this icon, click the Show Hidden Icons arrow, then right-click the Windows Sidebar icon.
2	Click Properties.
	The Windows Sidebar Properties window appears.
3	Clear Start Sidebar when Windows Starts check box.
4	Click Apply and click OK.
5	Right-click the Windows Sidebar icon and click Exit.

Disabling Windows Screen Saver Settings

To disable the Windows screen saver setting, perform the following steps.

Step	Action
1	On the desktop, right-click and select Personalize .
	The Personalization window appears.
2	Click Screen Saver.
	The Screen Saver Settings window appears.
3	In the Screen Saver drop-down list, select None.
4	Click Apply and then click OK .

Disabling automatic Windows Update

To disable automatic windows update, perform the following steps.

Step	Action
1	Choose Start > Settings > Control Panel.
	The Control Panel dialog box appears.
2	Click System and Maintenance in the Control Panel window.
3	Click Windows Update.
4	Click Change Settings in the left pane.
5	Click Never check for updates (not recommended) option.
6	Clear the check box under Recommended updates.
7	Click OK.
	The User Account Control dialog box appears.
8	Click Continue .
9	Close the Windows Updates window.

Installing Experion HS through network

To install Experion through network, perform the following steps.

Step	Action
1	Share the drive in which the Experion Installation media is inserted.
2	Open C: > Windows > System32.
3	Right-click cmd.exe and choose Run as administrator.
	The User Account Control dialog box appears.
4	Click Continue .
	The Command prompt is displayed.
5	Map the Experion Installation media located in the network to a local drive using the following command.
	Net Use <drive> "<\\<computer name="">\<media share="">>"</media></computer></drive>

4.1. Preparing for the installation



4.2 Installing Experion HS Server Software

Prerequisites

• This procedure requires the Experion HS software media, software license certificate and software protection key (dongle), if specified on the license certificate.

Considerations

• This procedure must be performed using a user account with administrative privileges.

Installing the Experion HS server software

Step	Action
1	If a software protection key (dongle) is specified on the license certificate, install this key on the computers USB or printer port.
	The Found New Hardware dialog box appears.
2	Click Cancel as the Experion installation media installs the driver software.
3	Insert the Experion HS Application Software DVD in the CD/DVD drive.
	The AutoPlay window appears.
4	Close the AutoPlay window.
5	Using Windows Explorer, browse the contents of the Application Software Media and double-click Setup.exe .
	The User Account Control dialog box appears.
6	Click Allow.
7	In the Custom Setup dialog box, select Experion Server and click Next.
	The License Agreement dialog box is displayed.
8	Click I accept the terms in the license agreement option and click Next.
	The Customer Information and Software Licenses dialog box is displayed.
9	Enter the Name and Company Name under Customer Information.

4.2. Installing Experion HS Server Software

Step	Action
10	Enter the System number and Authorization number from your software license certificate, and click Next .
11	Type the password(s) for the Windows $mngr$, expengr and expoper accounts.
12	Click Install in the Confirm Installation Settings dialog box.
	The progress of the installation is displayed.
	ATTENTION
	If the Program Compatibility Assistant displays a warning message regarding compatibility issues, click Run Program to continue the installation.
13	Click Finish when the Experion HS R310 server installation is complete.
	HS installation continues to install the other components and a message appears indicating that installation is complete.
14	Click OK to restart the computer and log on as a user with Administrator privileges.
15	When Welcome to Experion dialog box is displayed, click View license agreement to review the Honeywell license agreement.
16	Clear Show this screen next time you start Windows check box.
17	Click Close to close the Welcome screen.
R	ATTENTION

By default, when the Experion HS Server software is installed, the Experion HS Client software is also installed.

Installing additional updates from the Honeywell support Web site

If there are additional updates available for Experion HS, then download and install them. Refer to <u>Checking the support Web site for updates</u> section and follow the instructions supplied with the updates.

4.3 Installing the MasterLogic Server (Optional)

ATTENTION

This procedure is optional. It is applicable only if you are using MasterLogic Server with Experion HS.

Prerequisites

• Ensure that you have logged onto the Experion server machine with Administrative privileges.



ATTENTION

You must have Experion OPC client license to configure MasterLogic Channel, Controller and Point.

Installing the MasterLogic Server



ATTENTION

- For redundant server, install MLServer software on both the servers (ServerA and ServerB).
- Installation of MLServer is not supported on Flex Station.
- Downloading MLServer Channel, Controller, and Points in Quick Builder is not supported on non-server nodes.

The Experion HS DVD contains the setup.exe required to install ML Server. To install ML Server, perform the following steps.

Step	Action
1	Insert the Experion Installation Media in the DVD drive, and navigate to the MLDP folder.
2	Double-click Setup.exe.
	The User Account Control dialog box appears.
3	Click Allow.
	The Honeywell MLServer HS_R301 - Installshield wizard opens.

4.3. Installing the MasterLogic Server (Optional)

Step	Action
4	Click Next.
	The wizard displays the License Agreement dialog box.
5	Select I accept the terms in the license agreement.
6	Click Next.
	The wizard displays the Destination Folder dialog box.
7	Click Change to select a different folder.
	Honeywell recommends retaining the default destination folder for installing ML Server.
8	Click Next.
	The wizard displays the Ready to Install the Program dialog box.
9	Click Install.
	The wizard displays Installing Honeywell – ML Server HS_R301 dialog box, displaying the status messages and the progress bar during the installation process.
10	When the wizard completes the installation, click Finish to close the wizard.



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For MLServer configuration details, refer to the *MLServer User's Guide*.

4.4 Installing Experion HS Client Software



If you are integrating MasterLogic PLC with Experion HS, ensure that you install SoftMaster (optional) only after installing the Experion client HS. For more information on installing the SoftMaster, refer to the *SoftMaster Users Manual*.

Considerations

- This procedure is applicable for client nodes.
- This procedure must be performed using a user account with administrative privileges.

Installing Experion HS client software

The following procedure installs the Experion HS client software.

Step	Action
1	Insert the Experion HS Application Software DVD in the CD/DVD drive.
	The AutoPlay window appears.
2	Close the AutoPlay window.
3	Using Windows Explorer, browse the contents of the Application Software Media and double-click Setup.exe .
	The User Account Control dialog box appears.
4	Click Allow.
5	In the Custom Setup dialog box select Experion Flex Station and click Next .
6	Select I accept the terms in the license agreement option and click Next.
7	Enter the Name and Company Name on the Customer Information dialog box and click Next .
8	Type the password(s) for the Windows mngr, expengr, expoper accounts.

4.4. Installing Experion HS Client Software

Step	Action
9	Click Install in the Custom Installation Settings screen.
	The setup displays the progress of the installation.
10	Click Finish to complete the Experion HS client installation.
	HS installation continues to install the other components and a message appears indicating that installation is complete.
11	Click OK to restart the computer and log on as a user with Administrator privileges.

Copying MasterLogic Display files from Server to Client

The MasterLogic Display files are installed on the Server during the installation of the MasterLogic Server. However, for the Client, the ML Display files have to be copied manually from C:\Program Files\Honeywell\Experion PKS\Client\Abstract to C:\Program Files\Honeywell\Experion PKS\Client.

Installing additional updates from the Honeywell support web site

If there are additional updates available for Experion HS, then download and install them. Refer to <u>Checking the support Web site for updates</u> section and follow the instructions supplied with the updates.
4. Experion HS Installation 4.4. Installing Experion HS Client Software

5.1 Customizing the system

Disabling Operator password timeout

The Station Operator IDs, mngr, Honeywell Administrator, Local Engineers and Local Operators are created by default during the software installation. These logins may be used by applications and users to access the system depending on the level of security required. By default, the password expiry period for all Station Operator logins, that are not linked to a Windows account is set to 30 days, which can cause problems after the system installation.

The following procedure disables the password expiry period for the Station Operator logins that are not linked to Windows accounts.

Step	Action
1	Choose Start > Programs > Honeywell Experion PKS > Server > Station.
2	Log on to the Station as mngr to disable the password timeout.
3	Choose Configure > Operators > Operators on the Station menu bar to open the Operator Configuration Summary display.
4	Click the Sign-on Admin link.
5	Type 0 in the Password Expiry Period field and press ENTER to disable password timeouts.
6	Type 0 in the Password Validation Period field and press ENTER to disable password reuse validation period.

Removing unused system interfaces

This procedure eliminates the System Management (SYSMGT) standing alarm.

Step	Action	
1	In Station, choose Configure > System Hardware > System Interfaces to open the System Interface Configuration Summary display.)
2	Type rec 999 in the Command zone at the upper right side of the Station window and press ENTER .	
3	Select the blank entry on the combo box at record 499 to remove the PHD interface entry and press ENTER .	
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5.1. Customizing the system

Step	Action
4	Select the blank entry on the combo box at record 500 to remove the SYSMGT interface entry and press ENTER .
	A dialog box is displayed in the system message zone.
5	Click Yes to delete the SYSMGT interface.

Initializing the Quick Builder database

Step	Action	
1	Connect to the appropriate server.	
2	In the Configuration Studio, fully expand the syste click Control Strategy listed in the server name.	m tree in the left pane, and
3	Click Build channels in the right pane.	
	The Enable Components dialog box appears.	
4	Expand Other > Printer and select Printer.	
5	Expand Other > Device and select MasterLogic to add the MasterLogic Interface.	
	The MasterLogic interface appears only MasterLogic server.	if you have installed the
6	Click OK to close the Enable Components dialog	j box.
	ATTENTION	
	When initializing the Quick Builder datab Continue Loading project dialog box a	ase for the first time, opears.
	Click Yes to continue loading the project	
	The Quick Builder window is displayed.	
7	Click the Servers icon on the left side of the winde	ow.
8	Select the DefaultServer item and verify that the Experion PKS - R310 .	Server type is listed as
	Note: Engure you coloct Experien BKS _ B210	

Note: Ensure you select Experion PKS - R310.

5. Post Installation Tasks 5.1. Customizing the system

Step	Action
9	Click the Server Details tab and verify that the Server Name is correct.
10	Click the Up arrow icon on the toolbar.
11	Select All items from server, and click OK to upload the server database.
	The default server station configuration is uploaded and the errors reported during the upload must be ignored.
12	Close Quick Builder followed by the Configuration Studio.
	The new database file is saved at C:\Program Files\Honeywell\Experion PKS\Server\Data\qdb\QBDatabase.qdb.

Defragmenting the hard disk

R	ATTENTION	
	• The process must be controlled to a safe state before performing this procedure on the Experion Server. It is not possible to monitor or control the process during this procedure.	I
	• To defragment the hard disk of the client system, follow the steps from 11 through 19.	
Step	Action	
1	Close all the running applications on the desktop.	
2	Choose Start > Programs > Honeywell Experion PKS > Server > Start- Stop Experion PKS Server.	
	The User Account Control dialog box appears.	
3	Click Allow.	
	The Experion PKS Server dialog box appears.	
4	Click the application icon on the upper left of the title bar and choose Advanced > Full mode.	
5	Click Database Unloaded, and click Yes on the confirmation dialog box.	
	Wait for the server state to change to Database Unloaded and close the dialog box.	
6	To stop MSSQLServer service from services, choose Start > Run and type	
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5.1. Customizing the system

Step	Action
	services.msc.
	The User Account Control dialog box appears.
7	Click Continue .
	The Services window appears.
8	Right-click SQL Server (MSSQLServer) and click Stop.
9	Click Yes in the Stop Other Services dialog box.
	This stops the MSSQLServer services.
10	Close the Services window.
11	On the Windows Desktop, double-click My Computer.
12	Right-click the C: drive, and choose Properties.
13	Click the Tools tab.
14	Click Defragment Now
	The User Account Control dialog box appears.
15	Click Continue.
	The Disk Defragmenter window appears.
16	Click Defragment Now
	The Disk Defragmenter Defragment Now dialog box appears.
17	Select C: to defragment and click OK.
	Depending on the level of fragmentation this task may take some time to complete.
18	When the defragmentation is complete, choose File > Exit to close the Disk Defragmenter application, and click OK to close the Properties dialog box.
19	Restart the computer and log on as an Administrator.

5.2 Network configuration

Creating a hosts file for single and dual network

The hosts file on the Experion server and the Experion clients must contain the computer name and associated IP address of the Experion server. As the entries are identical, you can edit the hosts file on one computer, and then copy the file to each computer in the Experion system.

To create a hosts file, perform the following steps.

Step	Action	
1	Log on to the node using an account, which is part of administrators group.	
2	Choose Start > Programs > Accessories > Notepad and then right-click to select Run as Administrator .	
	The Notepad window appears.	
3	Choose File > Open.	
	The Open window appears.	
4	Browse C:\Windows\System32\drivers\etc\hosts file to open hosts file.	
	Ensure you select All Files , under File name .	
5	Enter the IP Address and the corresponding Host Name (separated by a space) for Experion server with a single-network .	
	For example assume the IP address of the Experion server computer, expserver, is 192.168.1.1.	
	The hosts file on each computer within this Experion system would include the following entries:	
	127.0.0.1 localhost	
	192.168.1.1 hsserv	

5.2. Network configuration

Step	Action
6	Enter the IP Address and the corresponding Host Name (separated by a space) for Experion server with dual networks .
	For example assume the IP addresses as:
	192.168.0.1 for the server, expserver, on the first network.
	192.168.1.1 for the server, expserver, on the second network.
	The hosts file on each server and client computer within the Experion system would include the following entries:
	127.0.0.1 localhost
	192.168.0.1 hsserv hsserv0
	192.168.1.1 hsserv1
7	Enter the IP Address and the corresponding Host Name (separated by a space) for Experion redundant server with a single-network .
	For example assume the IP address of the Primary Experion server computer, hsserva, is 192.168.0.1 and assume the IP address of the Backup Experion server computer, hsservb, is 192.168.0.2
	The hosts file on each computer within this Experion system would include the following entries:
	192.168.0.1 hsserva hsserva0
	192.168.0.2 hsservb hsservb0

Step	Action
8	Enter the IP Address and the corresponding Host Name (separated by a space) for Experion redundant server with dual networks .
	For example assume the IP addresses as:
	192.168.0.1 for the server, hsserva, on the first network.
	192.168.1.1 for the server, hsserva, on the second network.
	192.168.0.2 for the server, hsservb, on the first network.
	192.168.1.2 for the server, hsservb, on the second network.
	The hosts file on each server and client computer within the Experion system would include the following entries:
	192.168.0.1 hsserva hsserva0
	192.168.0.2 hsservb hsservb0
	192.168.1.1 hsserval
	192.168.1.2 hsservbl
9	Close the hosts Notepad and My Computer window.

Updating a host file

The following procedure updates the hosts file.

Step	Action
1	Log on using an account, which is part of the Administrators group.
2	Choose Start > All Programs > Accessories > Notepad and then right-click
	Notepad and select Run as Administrator.
	The Notepad window appears.
3	Choose File > Open.
4	Browse to the %SystemRoot%\system32\drivers\etc directory.
5	Edit the file as required.
6	Save the changes to the hosts file.

5.2. Network configuration



Building Redundancy Link

To build the data link for a single network

The redundancy link 0 is configured by default as part of redundant server installation, while updating the Hosts files.

To build the data link for dual networks

Step	Action
1	Open the following file using a text editor such as Notepad:
	C:\Program Files\Honeywell\Experion PKS\Server\User\redun.hdw.
2	Locate the following section in this file:
	& *************************************
	& Define the data link(s)
	& *************************************
3	By default link 0 is established and looks as follows.
	DEL LNK00
	ADD LNK00 NETWORK_LINK
	If you are using dual networks, the following entries also need be added for LNK01.

Step	Action
	Before editing the redun.hdw looks as follows:
	& DEL LNK01
	& ADD LNK01 NETWORK_LINK
	Edit the REDUN.HDW file by removing "& " symbol for link 1.
	After editing the REDUN.HDW looks as follows:
	DEL LNK01
	ADD LNK01 NETWORK_LINK
4	Save the file.
5	Choose Start > Programs > Accessories > Command Prompt. Right-click Command Prompt and select Run as Administrator from the shortcut menu.
	The Command Prompt window appears.
6	STOP the Experion Server using the following command:
	hscserver /stop
	Press Enter.
7	To change the directory to where the REDUN.HDW file is located, type the following and press Enter .
	cd c:\program files\honeywell\experion pks\server\user
	Command prompt shows following path
	c:\program files\honeywell\experion pks\server\user.
8	To build the dual LAN link, type the following command and press Enter.
	c:\program files\honeywell\experion pks\server\user>hdwbld redun.hdw
	Command executes successfully and shows Zero error.
9	To UNLOAD the Servers Database, type the following command and press Enter .
	hscserver /unload /y

5.2. Network configuration

Step	Action
10	START the Experion Server, type the following command and press Enter.
	hscserver /start
11	Open the station and browse to sys113.dsp page. LINK 01 must be established and running.

Guidelines for configuring common network properties

Property	Description
Preferred DNS server	Request your network administrator for the IP address of the preferred Domain Name Server (DNS). Your company may have one or more DNS. The preferred DNS is the first DNS that your computer communicates with to resolve names to IP addresses. If the preferred DNS server is not available, your computer communicates with the alternate DNS, if one is supplied.
	If you are configuring a stand-alone network this parameter can be omitted.
Alternate DNS server	Request your network administrator for the IP address of the alternate DNS. If you are configuring a stand- alone network this parameter can be omitted.
DNS suffixes	Request your network administrator for the list and search order of DNS suffixes. If you are configuring a stand-alone network this parameter can be omitted.
DNS suffix for this connection	Request your network administrator for this information. If you are configuring a stand-alone network this parameter can be omitted.
Register this connection's addresses in DNS	Request your network administrator for this information. If you are configuring a stand-alone network this parameter can be omitted.
Use this connection's DNS suffix in DNS registration	Request your network administrator for this information. If you are configuring a stand-alone network this parameter can be omitted.

Property	Description
WINS addresses	Request your network administrator for the IP address of the Windows Internet Name Service (WINS). Your company may have one or more WINS.
	If you are configuring a stand-alone network this parameter can be omitted.
Enable LMHOSTS lookup	Request your network administrator if you need to maintain an LMHOSTS file. This file maps NetBIOS names (commonly used for computer names) to IP addresses.
NetBIOS over TCP/IP	Request your network administrator if you need to enable or disable NetBIOS over TCP/IP.
Domain or Workgroup	If you are connecting to an existing network, request your network administrator to identify the workgroup or domain name.
	If you use domains, in addition you require a user account and password that has the appropriate privileges to add computers to a domain.
	If you have a stand-alone network, specify a workgroup with a name such as EXPHS. The name must be the same for all computers on the network.

Guidelines for Dual Network Configuration

Dual network configuration is more complicated than single network configuration because there are two data paths (networks) through which a Station can connect to the server running as primary.

In dual network configuration when Station connection to the primary server is lost (or the primary server fails) the Station attempts to connect to the backup server through the same network.

If Station is unable to connect to the backup server through the first network Station attempts to reconnect to the primary server through the second network.

If Station is unable to connect to the primary server through the second network Station attempts to connect to the backup server through the second network.

This way both servers and both networks are tested by Station in an attempt to make a valid connection.

Experion HS R310 March 2009 In this case, four Station setup files are required:

- default.stn which connects to hsserva0 through the first network (and has auxiliary setup file hsservb.stn)
- hsservb.stn which connects to hsservb0 through the first network (and has auxiliary setup file hsserva1.stn)
- hsserval.stn which connects to hsserval through the second network (and has auxiliary setup file hsservbl.stn)
- hsservb1.stn which connects to hsservb1 through the second network (and has auxiliary setup file default.stn)

When Station is started it connects to hsserva (as configured in default.stn).

If hsserva fails (or connection to hsserva is lost), it connects to hsservb (through the same network). If it fails to connect to hsservb it attempts to reconnect to hsserva (through the second network, hsserva1). If it fails to connect to hsserva, it attempts to reconnect to hsservb (through the second network hsservb1). If it fails to connect to hsservb, it then attempts its initial connection (hsserva through the first network) again.

In addition to specifying the auxiliary files, you need to ensure that Station can access displays by:

- Ensuring your TCP/IP settings you have selected Enable DNS for Windows Resolution (Windows NT only).
- Ensuring the host files include the host server names.
- Creating the network connections on the computer running Station.
- The relevant network paths are added to the Displays tab in the Connection Properties dialog box for all of the required .stn files.

Description of the TCP/IP Properties

The tabs and properties correspond with the Microsoft TCP/IP Properties dialog box.

Note: If you have a dual network system, you must specify values for both adapters.

Tab	Property	Description
General	IP Address	If you have an existing network, this is provided by your network administrator. Otherwise, specify something like 200.0.0.x, where x is a unique number

5. Post Installation Tasks 5.2. Network configuration

Tab	Property	Description
		for each network adapter (and usually each host) on the network. This number can be between 1 and 254.
	Subnet Mask	If you have an existing network, this is provided by your network administrator. Otherwise, specify 255.255.255.0.
	Default Gateway	If you have an existing network, this is provided by your network administrator. If the computer is connected to a stand- alone network, leave this blank.
	Preferred DNS server	Ask your network administrator for this information. If you are configuring a stand-alone network this parameter can be omitted.
	Alternate DNS server	Ask your network administrator for this information. If you are configuring a stand-alone network this parameter can be omitted.
IP Settings	Interface metric	Ask your network administrator for this information. If you are configuring a stand-alone network this parameter can be omitted.
DNS	DNS server addresses, in order of use	Ask your network administrator for this information. If you are configuring a stand-alone network this parameter can be omitted.
	Append primary and connection specific DNS suffixes	Ask your network administrator for this information. If you are configuring a stand-alone network this parameter can be omitted.
	Append parent suffixes of the primary DNS suffix	Ask your network administrator for this information. If you are configuring a stand-alone network this parameter can be omitted.
	Append these DNS suffixes (in order)	Ask your network administrator for this information. If you are configuring a stand-alone network this parameter can be omitted.
	Tab IP Settings DNS	TabPropertyImage: Tab structureSubnet MaskSubnet MaskDefault GatewayImage: Default GatewayPreferred DNS serverImage: Alternate DNS serverAlternate DNS serverIP SettingsInterface metricINSDNS server addresses, in order of useAppend primary and connection specific DNS suffixesAppend parent suffixes of the primary DNS suffixAppend these DNS suffixes (in order)

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5. Post Installation Tasks 5.2. Network configuration

Tab	Property	Description
	DNS suffix for this connection	Ask your network administrator for this information. If you are configuring a stand-alone network this parameter can be omitted.
	Register this connection's addresses in DNS	Ask your network administrator for this information. If you are configuring a stand-alone network this parameter can be omitted.
	Use this connection's DNS suffix in DNS registration	Ask your network administrator for this information. If you are configuring a stand-alone network this parameter can be omitted.
WINS		Ask your network administrator for this information. If you are configuring a stand-alone network this parameter can be omitted.
Options		Ask your network administrator for this information. If you are configuring a stand-alone network this parameter can be omitted.

5.3 NTP Setup and time synchronization configuration

The following sections describe setting up time synchronization for the following:

- Domains
- Workgroups

Refer to the Time synchronization section in the *Server and Client Planning Guide* before configuring the NTP Setup and time synchronization.

Setting up time synchronization in a Domain

In the time hierarchy in a domain topology, the Windows domain controller serves time to the Experion servers, which you set up as NTP servers. The NTP servers serve time to the control hardware. Stations are set up as NTP clients but they receive time from the domain controller rather than the Experion servers.

Prerequisites

- You have added your Experion nodes to the domain.
- Ensure that you have added UDP port 123 as an exception in the Windows Firewall settings.

Configuring the NTP Setup on Server



Step	Action
1	Log on, as a user with Administrator privileges.
2	Choose Start > Programs > Run.
	The Run dialog box appears.
3	Enter gpedit.msc in the Open field and click OK .
	The Group Policy Object Editor dialog box appears.
4	On the left pane, under Local Computer Policy, select Administrative Templates.

5.3. NTP Setup and time synchronization configuration

Step		Action	
5	Choose System > Windows Time Service > Global Configuration Settings under Settings, on the right pane.		
	The Global Configuration Settings Properties dialog box appears.		
6	In Settings tab, click Enabled.		
7	Set the values for the following fields in the Settings tab, as follows.		
	Field	Value	
	Announce Flags	4	
	LargePhaseOffSet	5000000	
	MaxAllowedPhaseOffSet	1	
	MaxNetPhaseCorrection	54000	
	MaxPosPhaseCorrection	54000	
	SpikeWatchPeriod	900	
	UpdateInterval	100	
8	Click Apply and then click OK.		
9	Under Settings choose Time Providers > Enable Windows NTP Server.		
	The Enable Windows NTP Server Properties dialog box appears.		
10	In Settings tab, click Enabled.		
11	Click Apply and then click OK.		
12	Close the Group Policy Object Editor dialog box.		

Configuring the NTP Setup on Client nodes



Step	Action
2	Choose Start > Programs > Run.
	The Run dialog box appears.
3	Type gpedit.msc in the Open field and click OK .
	The Group Policy Object Editor dialog box appears.
4	Select Administrative Templates under Local Computer Policy, on the left pane.
5	Choose System > Windows Time Service > Time Providers > Enable Windows NTP Client under Settings on the right pane.
	The Enable Windows NTP Client Properties dialog box appears.
6	In Settings tab, click Enabled.
7	In the NTP Server field, enter the IP address of the domain, which is configured as NTP Server.
8	Choose NT5DS in the Type list.
9	In the Special Poll Interval field, set the seconds to 900 (that is 15 minutes).
10	Click Apply.
11	Click Next Settings and then click Enabled.
12	Click OK and close the Group Policy Object Editor dialog box.

Configuring Time Synchronization Settings

8	ATTENTION
	This procedure must be performed on all the Server and Client nodes.

Step	Action	
1	Log on, as a user with Administrator privileges.	
2	On the desktop, click the Time Status Area.	
3	Click Change date and time settings.	
	The Date and Time dialog box appears.	

5.3. NTP Setup and time synchronization configuration

Step	Action
4	Click the Internet Time tab and then click Change Settings.
	The Internet Settings dialog box appears.
5	In Configure Internet time settings , select the Synchronize with an Internet time server check box.
6	Click Update now and then click OK.
7	Click OK to close Date and Time window.

NTP Setup and time synchronization configuration for a workgroup

ATTENTION For the systems added to the domain, the default W32 Time services time source shows domain server (DS) in the following registry key: HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Ti me\Parameters. You must change this key to NTP for enabling NTP based time synchronization.

Prerequisites

• Ensure that you have added UDP port 123 as an exception in the Windows Firewall settings.

Considerations

• Ensure that you know the IP address or computer name of the authoritative root server. If you use a computer name, it must resolve to an IP address using Host, DNS, or other resolution service.

Setting up the authoritative root server

This following procedure describes setting up your primary Experion server as the authoritative root server in your time hierarchy.

Step	tep Action	
1	Choose Start > Programs > Run.	
2	Type regedit and press Enter.	
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5.3. NTP Setup and time synchronization configuration

Step	Action
	The Registry Editor window opens.
3	Expand HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\w32time\T imeProviders\NtpServer.
4	Right-click Input Provider on the right pane and click Modify.
	The Edit DWORD Value dialog box appears.
5	Enter 1 in the Value data field.
6	Click OK.

Configuring the NTP Setup on Server

R	ATTENTION
	This procedure must be performed on Servers. For redundant server systems, perform this procedure on primary server only.

Step	Action
1	Log on as a user with Administrator privileges.
2	Choose Start > Programs > Run.
	The Run dialog box appears.
3	Type gpedit.msc in the Open field and click OK .
	The Group Policy Object Editor dialog box appears.
4	Select Administrative Templates, under Local Computer Policy on the left pane.
5	Choose System > Windows Time Service > Global Configuration Settings under Settings on the right pane.
	The Global Configuration Settings Properties dialog box appears.
6	In Settings tab, click Enabled.

5.3. NTP Setup and time synchronization configuration

Step	Action	
7	Set the values for the fields in the Settings tab as follows.	
	Field	Value
	Announce Flags	4
	LargePhaseOffSet	5000000
	MaxAllowedPhaseOffSet	1
	MaxNetPhaseCorrection	54000
	MaxPosPhaseCorrection	54000
	SpikeWatchPeriod	900
	UpdateInterval	100
8	Click Apply and then click OK.	
9	Choose Time Providers > Enable Windows NTP Server under Settings.	
	The Enable Windows NTP Server Properties dialog box appears.	
10	In Settings tab, click Enabled.	
11	Click Apply and then click OK.	
12	Close the Group Policy Object Edi	tor dialog box.

Configuring the NTP Setup on Client nodes

ATTENTION

This procedure must be performed on Flex station and ACE nodes.

Step	Action	
1	Log on, as a user with Administrator privileges.	
2	Choose Start > Programs > Run.	
	The Run dialog box appears.	
3	Type gpedit.msc in the Open field and click OK.	
	The Group Policy Object Editor dialog box appears.	
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Step	Action	
4	Select Administrative Templates, under Local Computer Policy on the left pane.	
5	Choose System > Windows Time Service > Time Providers > Enable Windows NTP Client, under Settings on the right pane.	
	The Enable Windows NTP Client Properties dialog box appears.	
6	In Settings tab, click Enabled.	
7	In the NTPServer field, enter the IP address of the system, which is configured as NTP Server.	
	ATTENTION You can enter the IP Address or the DNS Name of the NTP Server in the NTPServer field. Use space as a separator to enter multiple entries.	
8	Choose NTP in the Type list.	
9	Set the seconds to 900 (that is 15 minutes) in the Special Poll Interval field.	
10	Click Apply.	
11	Click Next Settings and then click Enabled.	
12	Click OK and close the Group Policy Object Editor dialog box.	

Configuring Time Synchronization Settings

ATTENTION

This procedure must be performed on all the Server and Client nodes.

Step	Action
1	Log on, as a user with Administrator privileges.
2	On the desktop, click the Time Status Area.
3	Click Change date and time settings.
	The Date and Time dialog box appears.

5.3. NTP Setup and time synchronization configuration

Step	Action
4	Click the Internet Time tab and then click Change Settings.
	The Internet Settings dialog box appears.
5	In Configure Internet time settings, select the Synchronize with an Internet time server check box.
6	Click Update now and then click OK.
7	Click OK to close Date and Time dialog box.

6. Supplementary Tasks

6.1 Downloading and installing Microsoft updates

Refer to the *Experion HS R310 Release Notes* for information on downloading and installing the Microsoft updates.

6.2 Installing Knowledge Builder on standalone computers

Prerequisites

- DotNet 3.0
- Adobe Reader 8.0
- Windows Desktop Search



ATTENTION

- The setup installs **DotNet** and **Adobe Reader** if it is not installed previously on the system.
- You must **Run/Save** the **Windows Desktop Search** on a Windows XP system.

Step	Action
1	Insert the Experion® HS R310 Knowledge Builder DVD.
	The Knowledge Builder DVD drive window appears.
2	Open the Knowledge Builder folder.
3	Double-click the Setup.exe .
	The Knowledge Builder Installation - Installation Type dialog box appears.
4	Select Full Install.
5	Click Next.
	The Knowledge Builder Installation – Bookset Selection dialog box appears.

6. Supplementary Tasks 6.2. Installing Knowledge Builder on standalone computers

Step	Action
6	In the Install column, select Experion HS R310 bookset.
	The Knowledge Builder Installation – Server Selection dialog box appears.
7	Click Next.
	The Knowledge Builder Installation – Start Copy dialog box appears, displaying the current installation settings of the knowledge builder.
8	Click Next.
	After the installation is complete, the InstallShield Wizard Complete dialog box appears.
9	Click Finish .
10	Double-click the Knowledge Builder icon on the desktop.
	Or
	Choose Start > All Programs > Honeywell Experion PKS > Knowledge Builder Tools > Knowledge Builder.

6.3 Adding a Computer to a domain (Optional)



6. Supplementary Tasks

6.4. Protecting against Viruses

Step	Action	
	This user account is typically a member of the Domain Admins user group in the Domain Controller.	
11	Click OK .	
	Wait until you receive a message welcoming you to the domain.	
12	Click OK in the message box.	
	The system prompts you to restart.	
R	ATTENTION	

If you wish to use domain accounts when using Experion HS, create the domain groups and user accounts on the domain server then add the domain groups to the Local Operators and Local Engineers security groups on the Experion HS Server and Client computers.

6.4 Protecting against Viruses

Antivirus software must be installed on all of the Experion HS system computers. Refer to <u>Software requirements</u>, for a list of antivirus programs qualified by Honeywell.

Configuring antivirus software guidelines

Configure the antivirus software to exclude the following directories and their subdirectories from the virus scan.

C:\Program Files\Honeywell\Experion PKS\Server\Data

Configuring McAfee VirusScan

McAfee VirusScan has the capability to scan scripts in HMIWeb displays. This functionality can slow display call-up, as well as lead to memory leaks.

Step	Action		
1	Right-click the McAfee icon on the taskbar.		
2	Click VirusScan Enterprise and VirusScan Console.		
	If the VirusScan console is not available through the task the program C:\Program Files\McAfee\VirusScan Enter	kbar icon then use erprise\shcfg32.exe.	
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6. Supplementary Tasks 6.5. Backup and Restore

Step	Action
3	Double-click the On-Access Scanner , and click the ScriptScan tab.
4	Clear the Enable ScriptScan check box, and click Apply.
5	Click All Processes, and click the Detection tab.
6	Click Exclusions.
7	Click Add.
8	Click Browse and navigate to the C:\Program Files\Honeywell\Experion PKS\Server\Data directory, and click OK.
9	Select the Also exclude subfolders check box, and click OK to close the dialog boxes.

6.5 Backup and Restore

For information on Backup and Restore, refer to the *Experion Backup and Restore* guide in the Experion HS PDFViewer, which is included in the Experion HS Application Software DVD.

6.6 Starting and stopping the Server

R	ATTENTION	l i i i i i i i i i i i i i i i i i i i	
	The process r HS server.	nust be controlled to a safe state before stopping the Experion	
Step		Action	
1	Choose Start > Programs > Honeywell Experion PKS > Server > Start- Stop Experion PKS Server.		
	The User Acc	count Control dialog box appears.	
2	Click Allow.		
	The Experion	PKS Server dialog box is displayed.	
	Mode		
	Simple	Experion PKS Server	
	Full	Experion PKS Server System Running	
		C Database & Daemons C System Running	
3	If the Experion PKS Server dialog box appears in simple mode, click the icon on the upper left of the title bar, and choose Advanced > Full mode .		
4	There are thre	e shutdown modes available in Full mode:	
	Database Un	loaded, Database Only and Database & Daemons.	
	To stop the se state to chang	erver application, click the required mode and wait for the server ge, this may take several minutes.	
	To start the se state to chang	erver application, click System Running and wait for the server je, this may take several minutes.	

6.7 Changing the Server configuration

	ATTENTION
	Changes to the server configuration require a server shutdown.
Stop	Action
Step	Action
1	Log on to the server as Administrator.
2	Choose Start > Programs > Honeywell Experion PKS > Server > Experion PKS Server Configuration Panel.
3	To view or change the license details, click View License.
	To change the server data paths, fast history interval or printer settings, click Edit .
	For the changes to take effect, you need to unload the server database and then return the server to the system running state, refer to
	Starting and stopping the Server.

6.8 Re-installing the Operating System

If there is a need to re-install the Operating System on any of the nodes, refer to the OEM documentation and install the Operating System using the OEM media. Before you start the installation ensure the following:

- Administrator account is disabled
- User Account Control (UAC) is enabled.

6.9 System tuning and troubleshooting



REFERENCE – INTERNAL

- For system tuning and troubleshooting information, refer to the *Experion System Administration Guide*.
- For MLServer interface troubleshooting information, refer to the MasterLogic Server Integration User's Guide.

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