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# СИСТЕМЫ УПРАВЛЕНИЯ

## Руководство

пользователя на Experion

PKS R400

# 1 Introduction

## **Related topics**

“About this document” on page 6

“About this point release” on page 7

“Before you begin ” on page 14

“Change impact” on page 19

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## 1.1 About this document

This Software Change Notice describes the prerequisites, resolved PARs, applicable nodes, and steps to install or uninstall the point release. Additionally, this SCN contains information about the change impact and additional information for this point release. The latest version of this SCN is available on the Honeywell Process Solutions website

### 1.1.1 Revision history

Version	Date	Description
A	November 2015	Initial version.
B	February 2016	Updated for SR 1-10592256604.

## 1.2 About this point release

This point release addresses issues and provides improvements requested beginning with the release of Experion PKS R400.4.

### Attention

- Controller firmware upgrade or migration is only required if the system is experiencing one or more problems resolved in Section 1.2.1 Controller and Tools.
- If you intend to upgrade or migrate controllers, contact HPS Migration Centre of Excellence (COE) at least four weeks before you install the Experion PKS R430.5 Tools and controller Hotfix 1 point release.
- This Software Change Notice includes a prioritized Product Anomaly Report (PAR) summary. Please contact the Honeywell Technical Assistance Center (TAC) for assistance if you observe issues not addressed in this SCN.

### 1.2.1 Controllers and Tools resolved PARs



#### Note

The **Patch Name** column indicates if this PAR was resolved in a previous Patch/Hotfix.

PAR	Subsystem	Description	Patch Name
1-ZCR7W9*	SCM-Sequential Control Module	A Step in an SCM may timeout when the value of SCM.INALM is not set. Step timeout is not reflected in the value of SCM.INALM.	Not applicable
1-222X8PZ*	Fieldbus Interface Module	FIM robustness against external factors - Err 3326 - Frozen live list.	Not applicable
1-3HF18JV*	CF-Control Function	While migrating the controller from Experion R400.4 to R410.4, an error is displayed "IOC cannot locate associated IOM".	Not applicable
1-MUFUEZ*	I/O-Pulse Input	Unexpected increase in the value of PITOTALIZER PV is observed.	Not applicable
1-3KANFCN*	I/O-Series C	Existing Analog I/O modules having two PWBs and a Spartan II FPGA on the Kernel board require the new download file format image when upgrading to latest firmware.  Refer to the section "Caution for replacing or pairing Series C Analog I/O modules in a redundant configuration" on page 17 for more details.	Experion PKS Tools and controller R400.7 Hotfix 2
1-FOS63P	SIM-C300	Totalizer block PV jumps when transitioning from one SPDFACTOR to another.	Not applicable
1-W5DZHT*	CK-Control Kernel	Ghost alarms in R400. Further investigation in the Server and CDA areas revealed that the CEE was sending BoolAlarms (DEVCTL SIALM in this case) with random parameters representing the trip value. The server was not able to match the RTN and the Active and ended up with a stuck alarm.	Experion PKS R400.7 Tools and controller Hotfix 1
1-1XLFBGJ*	PDA	After configuration changes in SYCON, and on the reload of Pblink, PGM loses connection of PDA with PIOMB.	Not applicable
1-3OAVANZ*	PGM	NVS failure is observed frequently for PGM.	Not applicable
1-3OAVTTN*	PGM	Primary PGM switches to the Redundant PGM during runtime.	Not applicable

PAR	Subsystem	Description	Patch Name
1-YMP7O8*	CPM-Control Processor Module	Redundant C200(E) with SIM(s) in configuration fail to sync following RAM Retention Restart.	Not applicable
1-3PTVWER*	Network-FTE Bridge	<i>Frequent FAIL error 0116</i> is observed after migrating from Experion R410.4 to R410.6.	Experion PKS R400.7 Tools and controller Hotfix 1
1-3S90US7	EHG-Experion Hiway Gateway	EHG peer responder rate doubles one switchover from primary to secondary EHG R400.8	Experion PKS R400.2 Tool Patch 4 Hotfix 1 Experion PKS R400.3 Tools and controller Hotfix 1
1-101F7IT	ModBus TCP Blocks	PCDI-bridge configuration System alarm incorrectly reported for all UID.	Not applicable
1-N721R1	Control Builder - Bulk Edit	Read bulk edit is blocked with unknown error.	Not applicable
1-3VOESY7	CTools	The Controller Firmware color in Ctools is RED (both AV and BV) after upgrading with Release FW.	Not applicable
1-3UO34DT	OPM-Controller Migration	Off Process Migration of PGM failed for Redundant PGM Set while loading the Primary PGM with an error message displayed as "Firmware update of module failed. Reason for failure is ERROR: Firmware update of PGM2_NAME Shutdown failed".	Not applicable
1-44UV6K4	I/O-Series C	Controller Checkpoint complete with Stale Data on Experion Release R400.7	Not applicable
1-3Y6XZ8R	Control Firewall 9Port	CF9 Firmware version JJ not included in R410	Not applicable
1-3OHOIJB	Redundancy-RM	Synchronized Primary RM to force switchover to the secondary role when a major fault is detected	Not applicable
1-4DVSDPH	CTools	Ctools stops responding during firmware flash for SeriesC IO S3 modules from 4.x version to 2.02 version	Not applicable
1-45X8QAZ	Table View	Instruction and Expressions are not displayed in table view on Flex and Console	Not applicable
1-3OHOIJB	Redundancy-RM	When a major fault is detected, synchronize the primary RM (force switchover) to the secondary role.	Not applicable

\* Requires firmware to be updated.

## 1.2.2 Common Components resolved PARs



### Note

The **Patch Name** column indicates if this PAR was resolved in a previous Patch/Hotfix.

PAR	Subsystem	Description	Patch Name
1-Z75PIO	CL/AM SERVER	The TPNServer has a memory leak.	Not applicable
1-3XNT8MN	Experion Station-Faceplate	Experion TPS DIGOUT faceplate combobox does not write to OP for Safety Manager (SM) points.	Not applicable
1-2BX3HQJ	Experion Station-Faceplate	Single-click ramping of the output values for a momentary point using IKB/OEP does not work.	Not applicable
1-27E172E	Experion Station-Faceplate	In sysdtltpsdiagcomp_fp, on changing the output by ramping up and down, the system asks for a confirmation of going to the NEUTRAL state (the middle state). You do not face this problem on waiting for the output to change to NEUTRAL.	Not applicable
1-3X53BYL	Experion Station-Gus Display	When you move the hairline to the right limit of the trend ocx, it returns a hairline time which is more than +1 hour.	Not applicable
1-3GQ2PVQ	Experion TPS Applications	The LCNP does not load if TPSim is installed on the EAPP node.	Not applicable
1-3NSA5HZ	Experion TPS Applications	TDC Emulators DCOM launch activation permission is not set correctly on TPSIM nodes.	Not applicable
1-2QVQBCY	HMIWeb TPN Details	Unable to change parameter PVALDBEU for TDC point at HMIWeb display.	Not applicable
1-2QVT581	HMIWeb TPN Details	Unable to change parameter KLIN for TDC point at HMIWeb display.	Not applicable
1-3X0TY6A	HMIWeb TPN Details	FFOPT parameter is not mapped correctly on the Experion Detail Display sysdtltps-config.	Not applicable
1-3GD9ZMC	TPNServer	In Experion PKS R410.5 you cannot switch Point Mode on Console Station, enumeration is wrong in checkpoint.	Not applicable
1-3X65SSN	TPNServer	The TPNDSS has memory leak.	Not applicable
1-3M8LYPX	TPNServer	Certain alarm qualifiers are going through EST alarm summary differs from NW.	Not applicable
1-43HG8VH	HMIWeb TPN Details	Experion TPS displays need UTF-8 encoding to work with new Internet Explorer 11 as a default browser.	Not applicable
1-ML9QLF	System Management	Remote Configuration Service has a memory leak	Not applicable
1-PVASMZ	System Management	Remconfigsvc has ~3MB private bytes leak per day	Not applicable
1-43HG8VH	HMIWeb TPN Details	Experion TPS displays need UTF-8 encoding to work with new IE11 default browser in Experion	Not applicable

### 1.2.3 Servers and Stations resolved PARs



#### Note

The **Patch Name** column indicates if this PAR was resolved in a previous Patch/Hotfix.

#### Station

PAR	Subsystem	Description	Patch Name
1-16VRNRV	Station Display Elements	Performing multiple rapid drag/drop operations to a trend may cause a Station to become unresponsive.	Not applicable
1-3HMPCUR	Station	License handling within a single RDP session should be consistent with physical stations.	Not applicable

PAR	Subsystem	Description	Patch Name
1-3JHQGHX	Station Popups/Faceplates	Popup launched from a Display may close other popups launched from other windows in multi-window station.	Not applicable
1-3X44KEX	Station Popups/Faceplates	Station might stop responding after prolonged usage involving call-up of faceplates.	Not applicable

### Server

PAR	Subsystem	Description	Patch Name
1-4AOQ819	Server - OPC clients and servers	Experion PKS OPC Server component state changed from Initializing to Failed.	Not applicable
1-3XJPVEL	GDA - Points	Temporary inverse video data possible when CM deleted at same time as calling up a display including it.	Not applicable
1-3H8EIG5	History - Periodic	PHD may sometime receive bad quality current values from Experion for point parameters assigned to fast history non-base rates.	Not applicable
1-43SW50T	History - Periodic	History requests take a significantly longer time to complete when history archiving is taking place.	Not applicable
1-3YQFWXD	History - Periodic	Rare instance of temporary loss of view when using the PHD Experion link and a history assignment is changed to a status point parameter.	Not applicable
1-3T8N4K8	History - Periodic	Trends with Point parameters with offset is not updating at selected update interval for fast history.	Not applicable
1-3NUB1VU	History - Periodic	Occasionally not all the extended history archives are read resulting in possible missing data on trends.	Not applicable
1-3SZS9QH	Notification Management	If a User Alert is shelved in Experion and is subsequently regenerated in User Alert, it is re-announced to the alert summary instead of remaining shelved.	Not applicable
1-L13OV1	OPC Data Client (Flexible)	If there are errors writing to TPS or OPC Advanced point parameters, point parameter data from system interfaces and DSA connections may be unavailable for a short time.	Not applicable
1-3X6WY2B	OPC Integrator	Write retries can block regular data transfers for a period of time.	Not applicable
1-3ZOL0HV	OPC Integrator	Overflow script error is displayed on item details page when ItemId exceeds data type limit of 32767.	Not applicable
1-3PUQQQ5	ODBC Driver	ODBC Driver resource usage can increase if an ODBC client does continuous connect/disconnect. In this case, the ODBC Driver may eventually terminate and automatically restart.	Not applicable
1-3ROOV0R	Server - Installation and Migration	Experion R400.4 Server Patch temporarily adds, but may fail to remove the "mngt" account from the "Administrators" group.	Not applicable
1-43SW50T	Server - History/trending	History requests take a significantly longer time to complete when history archiving is taking place	Not applicable
1-3ZOL0HV	Server - OPC Integrator	Overflow script error on item details page when ItemId exceeds data type limit of 32767	Not applicable
1-3TJI74G	Server - Displays - General	[DGIT] Left Navigation Panel is missing on all HMI System Displays.	Not applicable

PAR	Subsystem	Description	Patch Name
1-3ZVFM91	Server - History/trending	Station Trend may take additional time to update if it contains point parameters assigned to standard history non-base rates	Not applicable
1-3YQFWXD	Server - History/trending	Rare instance of temporary loss of view when using the PHD Experion link and a history assignment has been changed to a status point parameter	Not applicable
1-3ZVFM91	History - Periodic	Station Trend may take additional time to update if it contains point parameters assigned to standard history non-base rates.	Not applicable

### Quick Builder

PAR	Subsystem	Description	Patch Name
1-3KK8V5J	Property Sheets	When a large amount of items are created in one project, Out of memory Error could appear for QDB in Experion PKS Server.	Not applicable

## 1.2.4 Known issues

PAR	Description
1-3HS18HR	<p><b>Description:</b> EMSEvents database cannot be reinitialized or upgraded due to insufficient file permissions</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b></p> <ul style="list-style-type: none"> <li>• Ensure that you have logged-in as part of Administrator group with full permissions for the following files located in &lt;Program Files\Honeywell\Experion PKS\Server\sql\&gt; <ul style="list-style-type: none"> <li>– EMSEventsTemplate.mdf,</li> <li>– EMSEventsIndex.ndf</li> <li>– EMSLocalDateAndTimeAndLocalTimeIdx.ndf,</li> <li>– EMSLocalDateAndTimeIdx.ndf, and</li> <li>– EMSTimeAndLocalTimeIdx.ndf.</li> </ul> </li> <li>• In case if you encounter the EMSEvents database reinitialization/upgrade issue, after resetting the EMSEvents database (by running installsqlobject or hisint), then after correcting the permissions you have to reset the database again by running “installsqlobject EMSEvents /i”.</li> </ul>
1-4FAS8SX	<p><b>Description:</b> SP and OP values are not changing according to settings while using ramp up and down keys in IKB.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Operate this scenario from Native Window.</p>
1-42101P3	<p><b>Description:</b> Firmware folder for AI HL (R2) is not available.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> This issue is applicable only for AI HL module with R2 hardware. You can continue using this module with factory loaded firmware.</p>

PAR	Description
1-4FPAI68	<p><b>Description:</b> History Import Tool does not work, when running the tool and selecting the "EXPORT" button.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Manually feed the input files created by the tool into the PTBLD tool. For example, PNTBLD <i>C:\ProgramData\Honeywe11\TPNServer\HistImport\ tpnhistimporti9.pnt</i> and PHOUT <i>C:\ProgramData\Honeywe11\TPNServer\HistImport\ tpnhistimporto9.pnt</i>. Note that the input files have an "i" in the next to last character of the file name while the output files have an 'o' in the same position.</p> <p>Run the above commands on the Command Prompt using Administrator privileges.</p>
1-178JE9D	<p><b>Description:</b> If server B is upgraded to Experion R400.8 and server A is not upgraded, a Microsoft VBScript Runtime error is seen if you browse to Server-wide settings display page.</p> <p>The navigation to the tabs in Server-wide settings display fails if you click the tabs.</p> <p>If the security level is <i>oper</i>, a message appears in the message bar as <b>Higher security level required</b>.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Install Experion R400.8 on Server A.</p>
1-2BM4T3F	<p><b>Description:</b> During runtime you see a Watchdog error and all slaves lose communication.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> For a redundant Profibus Gateway Module (PGM) do a PGM switch over, in case you do not have a redundant PGM, restart PGM.</p>
1-1XLFBGJ	<p><b>Description:</b> After configuration changes in SYCON, and on the reload of Pblink, PGM loses connection of PDA with PIOMB.</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> For a redundant PGM do a PGM switch over, in case you do not have a redundant PGM, restart PGM.</p>
1-38KS6EH	<p><b>Description:</b> After installing this point release you may face issues in installing other applications, for example the Field Device Manager (FDM) application. This is because of the removal of a registry key for "Common AppData".</p> <p><b>Recovery:</b> None.</p> <p><b>Workaround:</b> Contact TAC for a utility to restore this registry key.</p>
1-F7HDUO	<p><b>Description:</b> Internet Explorer security warning appears occasionally while navigating displays running on the Server nodes.</p> <p><b>Recovery:</b> Acknowledge the warning message.</p> <p><b>Workaround:</b> Perform the following steps.</p> <ol style="list-style-type: none"> <li>1. Logon as a user with Administrative permissions.</li> <li>2. Invoke the command prompt, and then run the command <i>hscconfig / addtrustedites</i>.</li> </ol>
1-3VAUP9D	<p><b>Description:</b> R400.7 Hot fix1 Rev2 installation thrown error message "POK file is being used by other process".</p> <p><b>Recovery:</b> None</p> <p><b>Workaround:</b> Stop POK Server service manually.</p>

PAR	Description
1-47YJQ4H	<p><b>Description:</b> If the Microsoft security update KB3072630 is already installed in the system, then installation fails at Server Station step during installation of Experion R430.1 or Experion R431.1.</p> <p><b>Recovery:</b> None</p> <p><b>Workaround:</b></p> <ul style="list-style-type: none"> <li>• Before migrating from R410.x to Experion R430.1 or Experion R431.1, uninstall Microsoft Security update KB3072630 from the system. After successful completion of migration to the respective release, either Experion R430.1 or Experion R431.1, install Microsoft Security update KB3072630</li> <li>• Before installing Experion R430.1 or Experion R431.1, uninstall Microsoft Security update KB3072630 from the system, if already installed .After successful installation (either Experion R430.1 or Experion R431.1), install the Microsoft Security update KB3072630.</li> </ul>

## 1.2.5 Limitations

### Point release removal

<input checked="" type="checkbox"/> Automatic	<input type="checkbox"/> Can be done manually during next upgrade	<input type="checkbox"/> Must be done manually before next upgrade
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### Localization

<input type="checkbox"/> Not impacted	<input checked="" type="checkbox"/> Point release may contain strings in English. A Localization version to be included in the next release.
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### Point release distribution

<input checked="" type="checkbox"/> Not limited	<input type="checkbox"/> Limited
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## 1.3 Before you begin

### 1.3.1 Prerequisites

This point release can be installed on a node with any of the following Experion systems installed:

- Experion PKS R400.3
- Experion PKS R400.4
- Experion PKS R400.5
- Experion PKS R400.6
- Experion PKS R400.7



#### Attention

- Ensure that you take a backup of the system image (via EBR) before installing the Experion PKS R400.8 on any node.
- If there is an availability of Experion Controller Patch Controlled Release (CPCR) or Hotfix in the system migrating to R400.8, the CPCR/Hotfix must be uninstalled prior to upgrade (retaining the firmware on the controllers and IOs).
- Before installing this point release, enable Windows Firewall.
- Before installing this point release on ES-T and ES-CE (which is a Remote GUS Client) node types, ensure that the IKB Service package is installed on the node. (Installation of IKB Service is MANDATORY irrespective of whether physical IKB is used).

The IKB Service can be installed from the Experion Application DVD, IKB OEP package.

- SUIT-ISO supports Experion PKS R400.8 with IE9/IE11 from SUIT October-ISO.
- Starting with this point release, the Internet Explorer 9 (IE9) is supported on server OS and Internet Explorer 11 (IE11) is supported on client OS. For installing the Internet Explorer 11/ Internet Explorer 9, refer to the *Technology Updates Installation Instructions* guide.

1. Using Notepad, open the **ProductVersion.txt** file located in the following path.

<%User selected path%>\Honeywell\Experion PKS (for example, C:\Program Files(X86)\Honeywell\Experion PKS)

2. Verify the **ProductVersion.txt** for the following:

If any one of the following lines are present, the node has the appropriate product version to install this point release.

- **+Experion PKS R430.5 Install completed on MM/DD/ YYYY,HH:MM:SS AM/PM**

### 1.3.2 Upgrade checklist

#### Upgrading to Experion PKS R430.5 Tools and controller Hotfix 1

Task	Reference
Check the applicable nodes.	Refer to the section “Applicable nodes” in this SCN.
Install Experion PKS R430.5 Tools and controller Hotfix 1 on the applicable nodes.	Refer to the section “Experion PKS R430.5 Tools and controller Hotfix 1 installation” in this SCN.

### 1.3.3 Applicable nodes

The Experion PKS R430.5 Tools and controller Hotfix 1 point release is applicable for the following nodes.

Sl.No.	Node	Is Experion PKS R430.5 Tools and controller Hotfix 1 applicable?
1	Application Server (EAS)	Yes
2	Application Control Environment (ACE)	Yes
3	Application Control Environment TPN Connected (ACET)	Yes
4	Console Station (ES-C)	Yes
5	Console Station TPN Connected (EST)	Yes
6	Console Extension Station (ES-CE)	Yes
7	Experion Server (ESV)	Yes
8	eServer	Yes
9	Experion Server TPN Connected (ESVT)	Yes
10	Experion HiWay Gateway (EHG)	Yes
11	Experion Application node. (E-APP)	Yes
12	Flex Station (ES-F)	Yes
13	Simulation Control Environment (SCE)	Yes

### 1.3.4 Applicable modules

The Experion PKS R430.5 Tools and controller Hotfix 1 point release is applicable for the following modules.

Sl.No.	Module	Is Experion PKS R430.5 Tools and controller Hotfix 1 applicable?
1	C200CPM	Yes
2	C200E controller	Yes
3	C300 controller	Yes
4	Fieldbus Interface Module (FIM)	Yes
5	Fieldbus Interface Module (FIM) 4	Yes
6	Fault Tolerant Ethernet Bridge Module (FTEB)	Yes
7	IO Link Interface Module (IOLIM)	Yes
8	I/O Module	Yes
9	PROFIBUS Gateway Module (PGM) 2	Yes
10	Redundancy Module	Yes

### 1.3.5 Supported controller migration paths



#### Note

If the Experion system is installed with Controller Patch Controlled Releases (CPCRs), then contact HPS Migration Centre of Excellence (COE) for supported controller migration paths.

The following controller migration paths to Experion PKS R430.5 Tools and controller Hotfix 1 are supported.

Item No.	Controller path
1	Experion R301.2 Controller Patch 3
2	Experion R301.2 Controller Patch 4

Item No.	Controller path
3	Experion R301.2 Controller Patch 6
4	Experion R301.2 Controller Patch 7
5	Experion R301.3 Controller Patch 1
6	Experion R301.3 Controller Patch 2
7	Experion R301.3 Controller Patch 3
8	Experion R301.3 Controller Patch 4
9	Experion R301.3 Controller Patch 5
10	Experion R310.2 Controller Patch 1
11	Experion R310.3 Controller Patch 3
12	Experion R310.3 Controller Patch 4
13	Experion R310.3 Controller Patch 5
14	Experion R310.3 Controller Patch 6
15	Experion R310.3 Controller Patch 7
16	Experion R310.3 Tools and Controller Patch 12
17	Experion R310.3 Tools and Controller Patch 13
18	Experion R311.2 Controller Patch 1
19	Experion R311.2 Controller Patch 2
20	Experion R311.2 Controller Patch 3
21	Experion R311.3
22	Experion R311.3 Controller Patch 1
23	Experion R311.3 Controller Patch 2
24	Experion R311.3 Controller Patch 3
25	Experion R311.3 Controller Patch 4
26	Experion R311.3 Controller Patch 5
27	Experion R311.3 Controller Patch 6
28	Experion R311.3 Controller Patch 7
29	Experion R311.3 Tools and Controller Patch 8
30	Experion R311.3 Tools and Controller Patch 9
31	Experion R400.1
32	Experion R400.1 Controller Patch 1
33	Experion R400.1 Controller Patch 2
34	Experion R400.1 Controller Patch 3
35	Experion R400.2
36	Experion R400.2 Controller Patch 1
37	Experion R400.2 Controller Patch 2
38	Experion R400.2 Controller Patch 3
39	Experion R400.2 Controller Patch 4
40	Experion R400.2 Controller Patch 5
41	Experion R400.2 Controller Patch 6
42	Experion R400.2 Controller Patch 7
43	Experion R400.2 Controller Patch 8

Item No.	Controller path
44	Experion R400.2 Tools and Controller Patch 9
45	Experion R400.3
46	Experion R400.4
47	Experion R400.5
48	Experion R400.6
49	Experion R400.7

### 1.3.6 Enabling support of Rockwell Series A IO (HART) module as a replacement solution to Spectrum Series A IO (HART) module

The Rockwell Series A IO (HART) module support is enabled to the existing CCL which is currently used to configure the Spectrum Series A IO. In addition, the existing library function block for the Spectrum HART AI and AO module has been modified to support both the modules as both modules can co-exist and work without any issues.

For more details refer to the section *Replacement of Spectrum IO Modules with Rockwell I/O modules* in “HART I/O Implementation Guide”.

### 1.3.7 Caution for replacing or pairing Series C Analog I/O modules in a redundant configuration

New Series C Analog Input and Analog Output modules are being released due to parts obsolescence which will have some components on them that are different from all previous modules though none of the functionality would change. These component differences requires associated module firmware changes in order to support them. Therefore, all new Series C Analog I/O modules contains the new firmware that supports the new components. This new firmware can also be loaded to older Series C Analog I/O modules. From this release onwards, all Series C Analog I/O module firmware supports both the old and new hardware revisions.

#### Prerequisites

- You have migrated your system to the current (latest) point release.
- Controller migration is complete.

In a redundant Series C Analog I/O module configuration, consider and complete the following before you replace or pair the modules.

Hardware revisions of old modules	Hardware revisions of new modules	Considerations and actions for replacing or pairing modules
AI_HART <=E AI_HL <=B AO_HART <=C AO <=A	AI_HART >=F AI_HL >=C AO_HART >=D AO >=B	You can pair an older hardware revision module with a latest hardware revision module. However, complete the following after you replace one of the older modules. <ol style="list-style-type: none"> <li>1. Update the firmware of the older hardware revision module</li> <li>2. Verify that the firmware versions of both the modules are indicated as “Green” in CTools.</li> </ol>

#### Model number references for the affected Series C Analog I/O modules

Module model number	Module type	Hardware revisions of old modules	Hardware revisions of new modules
CC- PAIH01/02	AI_HART	<=E	>=F
CC- PAIX01/02	AI_HL	<=B	>=C
CC- PAOH01	AO_HART	<=C	>=D

CC- PAOX01	AO	<=A	>=B
------------	----	-----	-----

### 1.3.8 Copying the Experion PKS R430.5 Tools and controller Hotfix 1 point release files

Perform the following steps before installing this point release.

1. Copy the **Experion\_PKS\_R430\_5\_Tools\_and\_controller\_Hotfix1.zip** file to a temporary folder on your hard disk.
2. Extract the **Experion\_PKS\_R430\_5\_Tools\_and\_controller\_Hotfix1.zip** file.
3. Copy the extracted files to a temporary folder on your hard disk.

**Tip**

For example, copy the files to *C:\temp\update*.

**Note**

If you have installed the Whitelisting application, ensure that you follow the procedure mentioned in the Whitelisting guide prior to the patch installation.

---

## 1.4 Change impact

### Related topics

“Control change impact” on page 19

“Operational change impact” on page 19

“Infrastructural change impact” on page 21

### 1.4.1 Control change impact

Not applicable.

### 1.4.2 Operational change impact

#### PAR 1-I5GA94

##### Description

Starting from Experion PKS R400 HMIWeb Patch 3, the shell method is disabled by default. If this method is required for use in script on displays, this functionality must be enabled for use in Station with a new entry in the Station.ini file (located under *C:\ProgramData\Honeywell\Experion PKS\client\Station*)

In the [Station] section, insert the following entry:

```
AllowShellExecute=1
```

##### Impact

If a display script attempts to access the shell method, Station displays an error message in the message zone, and a script error may also be displayed. The shell method cannot be enabled in eServer Premium Access; an alternative approach is to use the

To access the System Management Display from the system status display, the AllowShellExecute setting in Station.ini must be set to 1.

#### PAR 1-QAUP7D

##### Description

Starting from Experion PKS R400.3, the vector graphic objects on a display are not aligned when printed because of changes in Internet Explorer behavior.

##### Impact

To address issues with printing in Station that were caused by changes in Internet Explorer behavior, this patch contains an alternative implementation of printing in Station that bypasses Internet Explorer and avoids observed alignment issues such as that reported by PAR1-QAUP7D.

The method is disabled by default but can be turned ON by setting the following registry keys:

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Honeywell\Station]
```

```
"PrintMethod"="Metafile"
```

```
"PrintBackgroundColor"="Transparent"
```

OR

You can also use the registry file **StationMetaFilePrinting.reg** provided in this patch to enable this printing method.

Perform the following steps to install the **StationMetaFilePrinting.reg**:

1. Log on to the account with administrative privileges.
2. Browse to *c:\program files\honeywell\experion pks\client\PAR1-QAUP7D*.
3. Right-click the file **StationMetaFilePrinting.reg** and click **Run as administrator**.

### **PAR 1-K9XE7X**

#### **Description**

Starting from Experion PKS R400.4, when performing a raise/lower operation where control confirmation is required, rapidly hitting ENTER before the control confirmation dialog is visible will not confirm the action. PAR 1-K9XE7X allows this operational behavior to be modified so that the system accepts an ENTER key press as a confirmation for this action before the control confirmation dialog appears.

#### **Impact**

To make this change, modify the following registry settings:

*[HKEY\_LOCAL\_MACHINE\SOFTWARE\Honeywell\Station]*

*"QueuedEnterTimeOut"=<desired DWORD value>*

*"RaiseLowerQueueTimeOut"=<desired DWORD value>*

Where:

*RaiseLowerQueueTimeOut* - time in milliseconds after performing a raise/lower operation that an ENTER key press must be received for it to be queued for a subsequent control confirmation request. Suggested setting is 800.

*QueuedEnterTimeOut* – time in milliseconds during which the queued ENTER key press remains active to be executed against any subsequent control confirmation dialog. Suggested setting is 4000.

The RaiseLowerQueueTimeOut.reg included with this patch will set these registry settings to the recommended defaults.

You should only make these settings if you are experiencing the symptoms as described in this PAR.

### **PAR 1-V8LMBD**

#### **Description**

Starting from Experion PKS R400.4, on systems that are using Matrox QID graphics card, the alarm state icon on faceplates and custom displays may render on screen with a black overlay and may not blink when the associated point goes into alarm.

#### **Impact**

This anomaly reported by PAR1-V8LMBD requires setting the following registry key:

*[HKEY\_LOCAL\_MACHINE\SOFTWARE\Honeywell\HMIWeb\AlarmStateIcon]*

*"UseAlphaBlend"=dword:0*

Alternatively, use the registry file (*AlphaBlendForMatroxDisplay.reg*) included with the patch to set the key.

### **PAR 1-SMELD3**

#### **Description**

Starting from Experion PKS R400.4, when loading a PDF document in Station, some elements of the previously loaded display may appear to be overlaying on the PDF document, as reported by this PAR.

#### **Impact**

This issue can be addressed by setting the following registry key:

*[HKEY\_LOCAL\_MACHINE\SOFTWARE\Honeywell\Station]*

*"CallUpTransition"=dword:00000000*

Alternatively, use the registry file (*CallUpTransition.reg*) included with the patch to set the key.

You should only make these settings if you are experiencing the symptoms as described in this PAR.

**PAR 1-I1J5JM****Description**

In Experion PKS R400 HMIWeb Patch 2, to resolve PAR 1-I1J5JM, the order of events when clicking on a vector graphics element (for example, rectangle, circle) is changed to be consistent with all other display elements: The order now is:

OnActivate > OnClick

Previously the timing of these events on clicking a HMIWeb vector graphic was:

OnClick > OnActivate

**Impact**

Any display script relying on the order of these events for a vector graphic element may need to be modified.

If you are using the HMIWeb Solution Pack shapes, correct operation of right click shortcut menus on solution pack shapes requires R400 Rev.1 (or later) of Common\_GSH.sha. Otherwise shortcut menus may intermittently not appear.

**PAR1-47LFZEP****Description**

Enabling McAfee Script scan is not recommended on Experion Stations due to performance impact.

**Impact**

In R400.8, Station attempts to check for Script scan setting at start-up, and if it is found enabled, it shows a warning message.

### 1.4.3 Infrastructural change impact

Not applicable.



## 2 Installation of the point release

This point release must be installed on Experion nodes in the following order. Refer to the respective installation sections in the document.

Sl.No.	Experion nodes	Refer to the section...
1	Server B	“Installing the point release on Server B” on page 27
2	Non-redundant server	“Installing the point release on non-redundant server node” on page 24
3	Flex station	“Installing the point release on Experion Application Server/ Console/Flex/Console Extension station/eServer/Premium Access clients” on page 34
4	Console station	“Installing the point release on Experion Application Server/ Console/Flex/Console Extension station/eServer/Premium Access clients” on page 34
5	Server A	“Installing the point release on Server A” on page 30
6	ACE/SCE/EHG	“Installing the point release on ACE/ SCE/ EHG” on page 38
7	E-APP/Experion Application Server/ eServer	“Installing the point release on Experion Application Server/ Console/Flex/Console Extension station/eServer/Premium Access clients” on page 34



### Note

If you are using Experion Support and Maintenance (ESM) to install the point release on the Experion cluster, add the point release to the ESM Server. For more information, refer to the Installation Builder User's Guide.

### Related topics

“Installing the point release on non-redundant server node” on page 24

“Installing the point release on a redundant server” on page 27

“Installing the point release on Experion Application Server/ Console/Flex/Console Extension station/eServer/ Premium Access clients” on page 34

“Installing the point release on ACE/ SCE/ EHG” on page 38

“Installing optional patches on non-Experion systems” on page 40

“Migrating controllers” on page 41

## 2.1 Installing the point release on non-redundant server node



### Note

You must execute the *ERDB Consistency Checker (ECC)* tool before any upgrade activity to identify any potential database related issue which may cause a migration failure in future.

### 2.1.1 Pre-installation steps

- 1 Extract the batch file package *Experion\_R400\_8\_Server\_Patch\_Pre\_Installation.bat* from the zip file *Experion\_PKS\_R400\_8.zip* available at *Experion\_PKS\_R400\_8 > ServerClient > Server* and save to a temporary folder on the node.
- 2 Ensure that the primary and backup server are synchronized.
- 3 On the primary server, log on with an account that is a member of the Experion Product Administrator, if not done so previously.
- 4 On Primary Server, browse to the *Experion\_R400\_8\_Server\_Patch\_Pre\_Installation.bat* file.
- 5 Click **Start > All Programs > Accessories > Command Prompt**.
- 6 Right-click **Command Prompt** and click **Run as Administrator**.
- 7 In the **Command Prompt**, type the directory where *Experion\_R400\_8\_Server\_Patch\_Pre\_Installation.bat* is located and press ENTER to run the batch file . Follow the on-screen instructions. After installing *Experion\_R400\_8\_Server\_Patch\_Pre\_Installation.bat* continue with the point release installation steps.

### 2.1.2 Stopping the services

- 1 Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use HPSInstall account as it is a temporary account used for installation/migration purpose only.



### Attention

Ensure that you log on with the required privileges.

- 2 **For systems with licensed QVCS only:** Open the QVCS Manager application and complete the required QVCS operations (for example: Check in, Check out, revert, and so on). Close the QVCS Manager application manually.
- 3 Ensure no instances of Quick Builder are running and the qckbld folder is closed. If you are running Quick Builder on a Remote Engineering and Station Server node, you may need to open Windows Task Manager and check that there are no instances of qckbld.exe running for all users.
- 4 Ensure no instances of Station, Display Builder, HMIWeb Display Builder, the Diagnostic Capture Tool, or Microsoft Excel are running.
- 5 Perform the following Checkpoint tasks.
  - a Disable all the Checkpoint tasks; click **Stop** for all the scheduled Checkpoint tasks.



### Attention

Checkpoint tasks that are currently executing must be completed. Ensure that all the automatic or manual **Checkpoint Save** tasks are complete.

- b Ensure that the Checkpoint share has replicated correctly to all the Console stations.
  - c To verify the replication of the Checkpoint shares, check the **Event Summary Display** page on the Station after the manual/auto **Checkpoint Saves** are completed for all controllers. If the **Event Summary Display** page does not display any replication failure event, the replication is successful.
- 6 Disable all virus scan/protection/backup applications or services. If the DVM Logger service is present, it must be disabled.

**Attention**

- You must enable the services after completing the procedure.

## 7 Close all running applications.

The installer automatically stops most of the required Experion services. However, certain services that are not stopped by the installer must be stopped manually.

Perform the following steps to manually stop Experion services.

- Click **Start > Programs > Honeywell > Experion PKS > Server > Start-Stop Experion PKS Server** window.
- Select **Database Unloaded in Full mode**.
- Close the **Start-Stop Experion PKS Server** window.

Perform the following steps to stop RSLinx for systems using ControlNet.

- On the desktop, right-click **My Computer** and select **Manage**.  
The **Computer Management** window appears.
- Expand **Services and Applications** in the left pane.
- Click **Services**.  
The list of services appears in the right pane.
- Perform the following steps.
  - Right-click **RSLinx Classic** and select **Stop**.
  - Right-click **Harmony** and select **Stop**.
- Close the **Computer Management** window.

### 2.1.3 Installing the point release

**Note**

Note that during the Experion PKS R430.5 Tools and controller Hotfix 1 installation, a prompt appears for the MNGR account password. Type the password and continue with the Experion PKS R430.5 Tools and controller Hotfix 1 installation.

- Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use HPSInstall account as it is a temporary account used for installation/migration purpose only.

**Attention**

- Ensure that you log on with the required privileges.

- Browse to the folder containing the installer **Experion PKS R430.5 Tools and controller Hotfix 1 > supportsoftware.exe**. If the installation is from the network then map the location where the installer folder is located to the network drive.

**Attention**

- If you want to install from network, perform the following steps to map the drive.

- In the command prompt, as an Administrator, type the following command.  

```
net use <drive>: \\computername\share\<folder> (for example, net use Z: "\\199.63.5.151\temp\Experion PKS R430.5 Tools and controller Hotfix 1")
```
- Type the user name and password (must be in quotes if there is a blank).
- In the same command prompt window, change to the above mapped drive and run supportsoftware.exe.

- Right-click **supportsoftware.exe** and then click **Run as Administrator**. If the **User Account Control** dialog box is displayed, click **Yes** to continue.

The **Welcome to Experion PKS Update Manager** dialog box appears.

- 4 Click **Install** to start the Experion PKS R430.5 Tools and controller Hotfix 1 installation.

---

 **Attention**

- If the installation is being performed from the network, after each system restart, map the drive to continue the installation. To map the drive, perform the steps as given in the Attention of Step 2.
  - During the installation, when the system restarts, manually log on to the system with the required credentials to continue with the installation.
- 

- 5 Follow the on-screen instructions and click **Finish**. The node restarts after the installation is complete.

## 2.1.4 Validating the point release installation

- 1 Using Notepad, open the **ProductVersion.txt** file located in the following path.

*C:\Program Files\Honeywell\Experion PKS*

- 2 Verify the **ProductVersion.txt** for the following:

**++ Experion PKS R430.5 Tools and Controller Hotfix1 installed on MM/DD/YYYY HH:MM:SS AM/PM**

If the above line is present, it indicates that the installation is successful.

---

 **Note**

After Experion PKS R430.5 Tools and controller Hotfix 1 point release is installed, an entry is made in the registry to indicate that the system is upgraded to Experion PKS R430.5 Tools and controller Hotfix 1. However, no other references are being updated. Hence, you may also see previous Experion release references in the product info.

---

## 2.1.5 Post-installation tasks

- 1 Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use HPSInstall account as it is a temporary account used for installation/migration purpose only.

---

 **Attention**

- Ensure that you log on with the required privileges.
- 

- 2 From Station or Control Builder, enable all the Checkpoint tasks.
- 3 Enable all virus scan/protection/backup applications or services. If the DVM Logger service is present and disabled, it must be enabled.
- 4 Perform the following steps to migrate the Quick Builder project.
  - a Open **Configuration Studio**.
  - b Select **Build Channels**.  
Quick Builder migration wizard appears.
  - c Click **Next** to continue the migration.
  - d Click **Finish** to complete the migration. Quick Builder project opens automatically.

---

 **Attention**

- During the migration, you may come across the **Unresolved Properties** page, with the appearance of **ControlInhibit** in the list. Ignore the prompt and proceed with the migration.
-

## 2.2 Installing the point release on a redundant server

Honeywell recommends that for redundant servers you first install the point release on Server B, followed by one Client to perform system tests before promptly migrating Server A. Once Server A is migrated, the remaining Clients and then Controllers can be migrated.

### 2.2.1 Pre-installation steps

- 1 Extract the batch file package *Experion\_R400\_8\_Server\_Patch\_Pre\_Installation.bat* from the zip file *Experion\_PKS\_R400\_8.zip* available at *Experion\_PKS\_R400\_8 > ServerClient > Server* and save to a temporary folder on the node.
- 2 Ensure that the primary and backup server are synchronized.
- 3 On the primary server, log on with an account that is a member of the Experion Product Administrator, if not done so previously.
- 4 On Primary Server, browse to the *Experion\_R400\_8\_Server\_Patch\_Pre\_Installation.bat* file.
- 5 Click **Start > All Programs > Accessories > Command Prompt**.
- 6 Right-click **Command Prompt** and click **Run as Administrator**.
- 7 In the **Command Prompt**, type the directory where *Experion\_R400\_8\_Server\_Patch\_Pre\_Installation.bat* is located and press ENTER to run the batch file. Follow the on-screen instructions. After installing *Experion\_R400\_8\_Server\_Patch\_Pre\_Installation.bat* continue with the point release installation steps.

### 2.2.2 Installing the point release on Server B



#### Note

You must execute the *ERDB Consistency Checker (ECC)* tool before any upgrade activity to identify any potential database related issue which may cause a migration failure in future.

#### 2.2.2.1 Stopping the services

- 1 Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use HPSInstall account as it is a temporary account used for installation/migration purpose only.



#### Attention

- Ensure that you log on with the required privileges.

- 2 Confirm that Server A is primary.
- 3 If the servers are not synchronized, click **Synchronize**.
- 4 Perform the following Checkpoint tasks on Server B.
  - a Disable all the Checkpoint tasks; click **Stop** for all the scheduled Checkpoint tasks.



#### Attention

- Checkpoint tasks that are currently executing must be complete before continuing. Ensure that all the automatic or manual **Checkpoint Save** tasks are complete.

- b Ensure that the CPBASE and Checkpoint shares have replicated correctly between Server B and Server A.
- c Ensure that the Checkpoint share has replicated correctly to all the Console stations.

- d To verify the CPBASE and the replication of the Checkpoint shares, check the **Event Summary Display** page on the Station after the manual/auto **Checkpoint Saves** are completed for all controllers. If the **Event Summary Display** page does not display any replication failure event, the replication is successful.
- 5 **For systems with licensed QVCS only:** Open the QVCS Manager application and complete the required QVCS operations (for example: Check in, Check out, revert, and so on). Close the QVCS Manager application manually.
- 6 Disable all virus scan/protection/backup applications or services. If the DVM Logger service is present, it must be disabled.

**Attention**

You must enable the services after completing the procedure.

- 7 Perform the following steps to disable ERDB replication.
  - a Open **Configuration Studio**.
  - b Select **Administer Control Strategy Database**. Perform the required steps to disable ERDB replication.
- 8 Perform the following steps to disable EMDB replication.
  - a Open **Configuration Studio**.
  - b Select **Administer the System Database**. Perform the required steps to disable EMDB replication.
- 9 Turn off file replication of the mapping files.
  - a In Station, click **Configure > File Replication**. Do not change the **Send** check box in this display.
  - b Click **mapping** entry.  
The configuration page for **mapping** file replication entry appears.
  - c Clear the **Replicate files from this path** check box.
  - d Click **Save**.
- 10 Ensure that Quick Builder is not run on any nodes until the patch installation on both primary and backup servers are completed.
- 11 Close all running applications.

The installer automatically stops most of the required Experion services. However, certain services that are not stopped by the installer must be stopped manually.

Perform the following steps to manually stop Experion services.

- a Click **Start > Programs > Honeywell > Experion PKS > Server > Start-Stop Experion PKS Server** window.
- b Select **Database Unloaded in Full mode**.
- c Close the **Start-Stop Experion PKS Server** window.

Perform the following steps to stop RSLinx for systems using ControlNet.

- a On the desktop, right-click **My Computer** and select **Manage**.  
The **Computer Management** window appears.
- b Expand **Services and Applications** in the left pane.
- c Click **Services**.  
The list of services appears in the right pane.
- d Perform the following steps.
  - 1. Right-click **RSLinx Classic** and select **Stop**.
  - 2. Right-click **Harmony** and select **Stop**.
- e Close the **Computer Management** window.

### 2.2.2.2 Installing the point release



#### Note

Note that during the Experion PKS R430.5 Tools and controller Hotfix 1 installation, a prompt appears for the MNGR account password. Type the password and continue with the Experion PKS R430.5 Tools and controller Hotfix 1 installation.

- 1 Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use HPSInstall account as it is a temporary account used for installation/migration purpose only.



#### Attention

Ensure that you log on with the required privileges.

- 2 Browse to the folder containing the installer **Experion PKS R430.5 Tools and controller Hotfix 1 > supportsoftware.exe**. If the installation is from the network then map the location where the installer folder is located to the network drive.



#### Attention

If you want to install from network, perform the following steps to map the drive.

1. In the command prompt, as an Administrator, type the following command.  

```
net use <drive>: \\computername\share\<folder> (for example, net use Z: "\\199.63.5.151\temp\Experion PKS R430.5 Tools and controller Hotfix 1")
```
2. Type the user name and password (must be in quotes if there is a blank).
3. In the same command prompt window, change to the above mapped drive and run supportsoftware.exe.

- 3 Right-click **supportsoftware.exe** and then click **Run as Administrator**. If the **User Account Control** dialog box is displayed, click **Yes** to continue.

The **Welcome to Experion PKS Update Manager** dialog box appears.

- 4 Click **Install** to start the Experion PKS R430.5 Tools and controller Hotfix 1 installation.



#### Attention

- If the installation is being performed from the network, after each system restart, map the drive to continue the installation. To map the drive, perform the steps as given in the Attention of Step 2.
- During the installation, when the system restarts, manually log on to the system with the required credentials to continue with the installation.

- 5 Follow the on-screen instructions and click **Finish**. The node restarts after the installation is complete.

### 2.2.2.3 Validating the point release installation

- 1 Using Notepad, open the **ProductVersion.txt** file located in the following path.  
*C:\Program Files\Honeywell\Experion PKS*
- 2 Verify the **ProductVersion.txt** for the following:  
**++ Experion PKS R430.5 Tools and Controller Hotfix1 installed on MM/DD/YYYY HH:MM:SS AM/PM**

If the above line is present, it indicates that the installation is successful.



#### Note

After Experion PKS R430.5 Tools and controller Hotfix 1 point release is installed, an entry is made in the registry to indicate that the system is upgraded to Experion PKS R430.5 Tools and controller Hotfix 1. However, no other references are being updated. Hence, you may also see previous Experion release references in the product info.

### 2.2.2.4 Post-installation tasks

- 1 Ensure that you are logged on server using an account that is part of both the Windows Administrators and Product Administrators group. It is not recommended to use HPSInstall account as it is a temporary account used for installation/migration purpose only.

---

 **Attention**

- Ensure that you log on with the required privileges.
  - Do not perform any changes to the OPC Integrator configuration until all post-installation tasks are completed.
- 

- 2 Using Windows Explorer, navigate to the OPC Integrator data directory, default location is *C:\ProgramData\Honeywell\Experion PKS\Server\Data\OPCIntegrator* and make a backup copy of the *opc\_i\_alarms.tsv* file into a temporary directory.
- 3 Click **Start > All Programs > Honeywell Experion PKS > Server > Station** to start the station.
- 4 On the **Redundancy** tab, click **Synchronize** to synchronize the servers.
- 5 Copy the *opc\_i\_alarms.tsv* file from the temporary directory back to the OPC Integrator data directory.
- 6 From the Windows Services Control Manager, restart the *Experion PKS OPC Integrator* service on Server B.
- 7 Click **Manual Failover**. The server failover takes place.

---

 **Attention**

- Server B becomes primary.
- 

- 8 Enable all virus scan/protection/backup applications or services. If the DVM Logger service is present and disabled, it must be enabled.
- 9 Turn on file replication of the mapping files.
  - a In Station, click **Configure > File Replication**. Do not change **Send** check box in this display.
  - b Click **mapping** entry.  
The configuration page for **mapping** file replication entry appears.
  - c Select **Replicate files from this path** check box.
  - d Click **Save**.
- 10 Perform the following steps to migrate the Quick Builder project.
  - a Open **Configuration Studio**.
  - b Select **Build Channels**.  
Quick Builder migration wizard appears.
  - c Click **Next** to continue the migration.
  - d Click **Finish** to complete the migration. Quick Builder project opens automatically.

---

 **Attention**

- During the migration, you may come across the **Unresolved Properties** page, with the appearance of **ControlInhibit** in the list. Ignore the prompt and proceed with the migration.
- 

### 2.2.3 Installing the point release on Server A



**Note**

After installing this point release on Server B, continue with point release installation on Flex Station and Console Station nodes before proceeding with point release installation on Server A.

---

### 2.2.3.1 Stopping the services

- 1 Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use HPSInstall account as it is a temporary account used for installation/migration purpose only.



#### Attention

- Ensure that you log on with the required privileges.

- 2 Confirm that Server B is primary.
- 3 Disable all virus scan/protection/backup applications or services. If the DVM Logger service is present, it must be disabled.



#### Attention

- You must enable the services after completing the procedure.

- 4 Turn off file replication of the mapping files.
  - a In Station, click **Configure > File Replication**. Do not change the **Send** check box in this display.
  - b Click **mapping** entry.  
The configuration page for **mapping** file replication entry appears.
  - c Clear the **Replicate files from this path** check box.
  - d Click **Save**.
- 5 Ensure that Quick Builder is not run on any nodes until the patch installation on both primary and backup servers are completed.
- 6 Close all running applications.  
The installer automatically stops most of the required Experion services. However, certain services that are not stopped by the installer must be stopped manually.

Perform the following steps to manually stop Experion services.

- a Click **Start > Programs > Honeywell > Experion PKS > Server > Start-Stop Experion PKS Server** window.
- b Select **Database Unloaded in Full mode**.
- c Close the **Start-Stop Experion PKS Server** window.

Perform the following steps to stop RSLinx for systems using ControlNet.

- a On the desktop, right-click **My Computer** and select **Manage**.  
The **Computer Management** window appears.
- b Expand **Services and Applications** in the left pane.
- c Click **Services**.  
The list of services appears in the right pane.
- d Perform the following steps.
  1. Right-click **RSLinx Classic** and select **Stop**.
  2. Right-click **Harmony** and select **Stop**.
- e Close the **Computer Management** window.

### 2.2.3.2 Installing the point release



#### Note

Note that during the Experion PKS R430.5 Tools and controller Hotfix 1 installation, a prompt appears for the MNGR account password. Type the password and continue with the Experion PKS R430.5 Tools and controller Hotfix 1 installation.

---

- 1 Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use HPSInstall account as it is a temporary account used for installation/migration purpose only.

**Attention**

- Ensure that you log on with the required privileges.

- 2 Browse to the folder containing the installer **Experion PKS R430.5 Tools and controller Hotfix 1 > supportsoftware.exe**. If the installation is from the network then map the location where the installer folder is located to the network drive.

**Attention**

- If you want to install from network, perform the following steps to map the drive.
  1. In the command prompt, as an Administrator, type the following command.  

```
net use <drive>: \\computername\share\<folder> (for example, net use Z: "\\199.63.5.151\temp\Experion PKS R430.5 Tools and controller Hotfix 1")
```
  2. Type the user name and password (must be in quotes if there is a blank).
  3. In the same command prompt window, change to the above mapped drive and run supportsoftware.exe.

- 3 Right-click **supportsoftware.exe** and then click **Run as Administrator**. If the **User Account Control** dialog box is displayed, click **Yes** to continue.

The **Welcome to Experion PKS Update Manager** dialog box appears.

- 4 Click **Install** to start the Experion PKS R430.5 Tools and controller Hotfix 1 installation.

**Attention**

- If the installation is being performed from the network, after each system restart, map the drive to continue the installation. To map the drive, perform the steps as given in the Attention of Step 2.
- During the installation, when the system restarts, manually log on to the system with the required credentials to continue with the installation.

- 5 Follow the on-screen instructions and click **Finish**. The node restarts after the installation is complete.

### 2.2.3.3 Validating the point release installation

- 1 Using Notepad, open the **ProductVersion.txt** file located in the following path.

*C:\Program Files\Honeywell\Experion PKS*

- 2 Verify the **ProductVersion.txt** for the following:

**++ Experion PKS R430.5 Tools and Controller Hotfix1 installed on MM/DD/YYYY HH:MM:SS AM/PM**

If the above line is present, it indicates that the installation is successful.

**Note**

After Experion PKS R430.5 Tools and controller Hotfix 1 point release is installed, an entry is made in the registry to indicate that the system is upgraded to Experion PKS R430.5 Tools and controller Hotfix 1. However, no other references are being updated. Hence, you may also see previous Experion release references in the product info.

### 2.2.3.4 Post-installation tasks

- 1 Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use HPSInstall account as it is a temporary account used for installation/migration purpose only.

**Attention**

- Ensure that you log on with the required privileges.

- 2 Perform the following steps to enable ERDB replication.

---

**! Attention**  
 • This step must be performed on Server B.

---

- a Open **Configuration Studio**.
  - b Select **Administer Control Strategy Database**. Perform the required steps to enable ERDB replication.
- 3 Perform the following steps to enable EMDB replication.

---

**! Attention**  
 • This step must be performed on Server B.

---

- a Open **Configuration Studio**.
  - b Select **Administer the System Database**. Perform the required steps to enable EMDB replication.
- 4 Turn on file replication of the mapping files.
    - a In Station, click **Configure > File Replication**. Do not change **Send** check box in this display.
    - b Click **mapping** entry.  
The configuration page for **mapping** file replication entry appears.
    - c Select **Replicate files from this path** check box.
    - d Click **Save**.
  - 5 Click **Start > All Programs > Honeywell Experion PKS > Server > Station** to start the station.
  - 6 On the **Redundancy** tab, click **Synchronize** to synchronize the servers.
  - 7 Click **Manual Failover**. The server failover takes place.

---

**! Attention**  
 • Server A becomes primary.

---

- 8 If the servers are not synchronized, click **Synchronize**.
- 9 Enable all virus scan/protection/backup applications or services. If the DVM Logger service is present and disabled, it must be enabled.
- 10 From Station or Control Builder, enable all the Checkpoint tasks.
- 11 Perform the following steps to migrate the Quick Builder project.
  - a Open **Configuration Studio**.
  - b Select **Build Channels**.  
Quick Builder migration wizard appears.
  - c Click **Next** to continue the migration.
  - d Click **Finish** to complete the migration. Quick Builder project opens automatically.

---

**! Attention**  
 • During the migration, you may come across the **Unresolved Properties** page, with the appearance of **ControlInhibit** in the list. Ignore the prompt and proceed with the migration.

---

## 2.3 Installing the point release on Experion Application Server/ Console/ Flex/Console Extension station/eServer/Premium Access clients

### 2.3.1 Pre-installation steps

- 1 Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use HPSInstall account as it is a temporary account used for installation/migration purpose only.



#### Attention

- Ensure that you log on with the required privileges.

- 2 **For systems with licensed QVCS only:** Open the QVCS Manager application and complete the required QVCS operations (for example: Check in, Check out, revert, and so on). Close the QVCS Manager application manually.
- 3 Perform the following Checkpoint tasks.
  - a Disable all the Checkpoint tasks; click **Stop** for all the scheduled Checkpoint tasks.



#### Attention

- Checkpoint tasks that are currently executing must be completed. Ensure that all the automatic or manual **Checkpoint Save** tasks are complete.

- b Ensure that the Checkpoint share has replicated correctly to all the Console stations.
  - c To verify the replication of the Checkpoint shares, check the **Event Summary Display** page on the Station after the manual/auto **Checkpoint Saves** are completed for all controllers. If the **Event Summary Display** page does not display any replication failure event, the replication is successful.
- 4 Disable all virus scan/protection/backup applications or services. If the DVM Logger service is present, it must be disabled.



#### Attention

- You must enable the services after completing the procedure.

- 5 Close all running applications.

### 2.3.2 Pre-installation steps on Console Station and Experion Station TPS Systems

Before performing installation on Console Station and Experion Station TPS systems, ensure that the pre-installation tasks have been completed for its corresponding Experion server or Experion server TPN-connected.

### 2.3.3 Stopping the services

- 1 Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use HPSInstall account as it is a temporary account used for installation/migration purpose only.



#### Attention

- Ensure that you log on with the required privileges.

- 2 **For systems with licensed QVCS only:** Open the QVCS Manager application and complete the required QVCS operations (for example: Check in, Check out, revert, and so on). Close the QVCS Manager application manually.

- 3 Ensure no instances of Quick Builder are running and the qckbld folder is closed. If you are running Quick Builder on a Remote Engineering and Station Server node, you may need to open Windows Task Manager and check that there are no instances of qckbld.exe running for all users.
- 4 Ensure no instances of Station, Display Builder, HMIWeb Display Builder, the Diagnostic Capture Tool, or Microsoft Excel are running.
- 5 Perform the following Checkpoint tasks.
  - a Disable all the Checkpoint tasks; click **Stop** for all the scheduled Checkpoint tasks.

**Attention**

Checkpoint tasks that are currently executing must be completed. Ensure that all the automatic or manual **Checkpoint Save** tasks are complete.

---

- b Ensure that the Checkpoint share has replicated correctly to all the Console stations.
  - c To verify the replication of the Checkpoint shares, check the **Event Summary Display** page on the Station after the manual/auto **Checkpoint Saves** are completed for all controllers. If the **Event Summary Display** page does not display any replication failure event, the replication is successful.
- 6 Disable all virus scan/protection/backup applications or services. If the DVM Logger service is present, it must be disabled.

**Attention**

You must enable the services after completing the procedure.

---

- 7 Close all running applications.  
The installer automatically stops most of the required Experion services. However, certain services that are not stopped by the installer must be stopped manually.  
Perform the following steps to manually stop Experion services.
  - a Click **Start > Programs > Honeywell > Experion PKS > Server > Start-Stop Experion PKS Server** window.
  - b Select **Database Unloaded in Full mode**.
  - c Close the **Start-Stop Experion PKS Server** window.

Perform the following steps to stop RSLinx for systems using ControlNet.

- a On the desktop, right-click **My Computer** and select **Manage**.  
The **Computer Management** window appears.
- b Expand **Services and Applications** in the left pane.
- c Click **Services**.  
The list of services appears in the right pane.
- d Perform the following steps.
  1. Right-click **RSLinx Classic** and select **Stop**.
  2. Right-click **Harmony** and select **Stop**.
- e Close the **Computer Management** window.

### 2.3.4 Installing the point release on Experion Application Server/ Console/Flex/Console Extension station/eServer

**Note**

Note that during the Experion PKS R430.5 Tools and controller Hotfix 1 installation, a prompt appears for the MNGR account password. Type the password and continue with the Experion PKS R430.5 Tools and controller Hotfix 1 installation. However, this MNGR password prompt does not appear in Flex node while installing the point release.

---

- 1 On eServer Standard Access Server, run the `pwdutil.exe` on the server node before starting eServer standard access patch installation, and set the `StandardAccessAdmin` and `StandardAccessUser` password. Ensure to use these passwords during the point release installation.
- 2 Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use `HPSInstall` account as it is a temporary account used for installation/migration purpose only.

 **Attention**

- Ensure that you log on with the required privileges.

- 3 Browse to the folder containing the installer **Experion PKS R430.5 Tools and controller Hotfix 1 > supportsoftware.exe**. If the installation is from the network then map the location where the installer folder is located to the network drive.

 **Attention**

- If you want to install from network, perform the following steps to map the drive.

1. In the command prompt, as an Administrator, type the following command.

```
net use <drive>: \\computername\share\<folder> (for example, net use Z: "\\199.63.5.151\temp\Experion PKS R430.5 Tools and controller Hotfix 1" )
```

2. Type the user name and password (must be in quotes if there is a blank).

3. In the same command prompt window, change to the above mapped drive and run `supportsoftware.exe`.

- 4 Right-click **supportsoftware.exe** and then click **Run as Administrator**. If the **User Account Control** dialog box is displayed, click **Yes** to continue.

The **Welcome to Experion PKS Update Manager** dialog box appears.

- 5 Click **Install** to start the Experion PKS R430.5 Tools and controller Hotfix 1 installation.

 **Attention**

- If the installation is being performed from the network, after each system restart, map the drive to continue the installation. To map the drive, perform the steps as given in the Attention of Step 3.
- During the installation, when the system restarts, manually log on to the system with the required credentials to continue with the installation.

- 6 Follow the on-screen instructions and click **Finish**. The node restarts after the installation is complete.

### 2.3.5 Installing the point release on Premium Access clients

- 1 Ensure that the eServer associated with the Premium Access client is already updated.
- 2 Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use `HPSInstall` account as it is a temporary account used for installation/migration purpose only.

 **Attention**

- Ensure that you log on with the required privileges.

- 3 From the **Start > Control Panel > Add or Remove Programs**, select and remove the following programs.
  - HMIWeb Browser Runtime
  - Experion PKS Server Client Side Components
- 4 Open eServer home page and click on the link - **Click here to install Premium Access components**.
- 5 Click the appropriate link to install the Premium Access components.
- 6 Click the appropriate link to install the server client components.

### 2.3.6 Validating the point release installation

- 1 Using Notepad, open the **ProductVersion.txt** file located in the following path.  
*C:\Program Files\Honeywell\Experion PKS*
- 2 Verify the **ProductVersion.txt** for the following:  
**++ Experion PKS R430.5 Tools and Controller Hotfix1 installed on MM/DD/YYYY HH:MM:SS AM/PM**

If the above line is present, it indicates that the installation is successful.



#### Note

After Experion PKS R430.5 Tools and controller Hotfix 1 point release is installed, an entry is made in the registry to indicate that the system is upgraded to Experion PKS R430.5 Tools and controller Hotfix 1. However, no other references are being updated. Hence, you may also see previous Experion release references in the product info.

---

### 2.3.7 Post-installation tasks

- 1 Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use HPSInstall account as it is a temporary account used for installation/migration purpose only.



#### Attention

Ensure that you log on with the required privileges.

- 2 From Station or Control Builder, enable all the Checkpoint tasks.
- 3 Enable all virus scan/protection/backup applications or services. If the DVM Logger service is present and disabled, it must be enabled.
- 4 Perform the following steps to migrate the Quick Builder project.
  - a Open **Configuration Studio**.
  - b Select **Build Channels**.  
Quick Builder migration wizard appears.
  - c Click **Next** to continue the migration.
  - d Click **Finish** to complete the migration. Quick Builder project opens automatically.



#### Attention

During the migration, you may come across the **Unresolved Properties** page, with the appearance of **ControlInhibit** in the list. Ignore the prompt and proceed with the migration.

---

## 2.4 Installing the point release on ACE/ SCE/ EHG

### 2.4.1 Stopping the services

- 1 Perform the following steps.



#### Attention

- Perform step a through step d on Control Builder from Server B (redundant server) or Experion server (non-redundant).
- 

- a From Control Builder **Monitoring view**, right-click the node **FB** and select **Upload**.  
The **Upload** box is displayed.
  - b Clear **Upload Server Configuration Information** check box and click **Continue**.  
The tuning constants are uploaded from the controller to the **Monitoring view** of ERDB.
  - c Right-click the node FB and select **Update to Project**.  
The **Update** dialog box is displayed.
  - d Click **Continue** to ensure that the updated tuning constants on the **Monitoring view** are updated into the **Project** view of the ERDB.
  - e Perform a manual **Checkpoint Save** of the controller.
  - f Ensure that the Checkpoint shares have replicated correctly between the server and all the Console stations.
  - g To verify the replication of the Checkpoint shares, check the **Event Summary Display** page on the Station once the manual **Checkpoint Save** is completed for this controller. If the **Event Summary Display** page does not display any replication failure event, the replication is successful.
- 2 Modify the node FB **CEESTATE** to **IDLE**.
  - 3 Change the node FB ACE / SIM command to **SHUTDOWN**. For more information, refer to the *Control Building User's Guide*.
  - 4 Shutdown the node FB from the Control Builder.

### 2.4.2 Installing the point release

- 1 Ensure that you are logged on to the server using an account that is part of both the Windows Administrators and the Product Administrators group. It is not recommended to use HPSInstall account as it is a temporary account used for installation/migration purpose only.



#### Attention

- Ensure that you log on with the required privileges.
- 

- 2 Browse to the folder containing the installer **Experion PKS R430.5 Tools and controller Hotfix 1 > supportsoftware.exe**. If the installation is from the network then map the location where the installer folder is located to the network drive.



#### Attention

- If you want to install from network, perform the following steps to map the drive.

1. In the command prompt, as an Administrator, type the following command.  

```
net use <drive>: \\computername\share\<folder> (for example, net use Z: "\\199.63.5.151\temp\Experion PKS R430.5 Tools and controller Hotfix 1" )
```
  2. Type the user name and password (must be in quotes if there is a blank).
  3. In the same command prompt window, change to the above mapped drive and run supportsoftware.exe.
-

- 3 Right-click **supportsoftware.exe** and then click **Run as Administrator**. If the **User Account Control** dialog box is displayed, click **Yes** to continue.  
The **Welcome to Experion PKS Update Manager** dialog box appears.
- 4 Click **Install** to start the Experion PKS R430.5 Tools and controller Hotfix 1 installation.

---

 **Attention**

- If the installation is being performed from the network, after each system restart, map the drive to continue the installation. To map the drive, perform the steps as given in the Attention of Step 2.
  - During the installation, when the system restarts, manually log on to the system with the required credentials to continue with the installation.
- 

- 5 Follow the on-screen instructions and click **Finish**. The node restarts after the installation is complete.

### 2.4.3 Validating the point release installation

- 1 Using Notepad, open the **ProductVersion.txt** file located in the following path.  
*C:\Program Files\Honeywell\Experion PKS*
- 2 Verify the **ProductVersion.txt** for the following:  
**++ Experion PKS R430.5 Tools and Controller Hotfix1 installed on MM/DD/YYYY HH:MM:SS AM/PM**

If the above line is present, it indicates that the installation is successful.



**Note**

After Experion PKS R430.5 Tools and controller Hotfix 1 point release is installed, an entry is made in the registry to indicate that the system is upgraded to Experion PKS R430.5 Tools and controller Hotfix 1. However, no other references are being updated. Hence, you may also see previous Experion release references in the product info.

---

### 2.4.4 Post-installation tasks

- 1 Perform a **Checkpoint Restore** for the node and correct any errors that are observed during the **Checkpoint Restore**.
- 2 From the Control Builder **Monitoring** view, perform a **COLDSTART** or **WARMSTART** of ACE-CEE and SCE-CEE as follows:
  - a Open the **ACE-CEE Configuration** form.
  - b Click **WARMSTART/COLDSTART** (as applicable) from the **CEE Command**. For more information about COLDSTART and WARMSTART, refer to the *Control Building User's Guide*.
- 3 Perform a **Checkpoint Save** after the node is successfully started. The CMs/SCMs are made active (in case of a COLDSTART only). This ensures that the necessary runtime information and the correct execution states of the CMs/SCMs is available in the latest .cp file of the ACE node.

## 2.5 Installing optional patches on non-Experion systems

You can also install the following optional patches.

Patch and location	Patch content	Node
<p><i>ExperionPKS.R400.Server.Patch421.PAR1-GYXF49.exe</i></p> <p>Located in Experion_PKS_R400.8 zip file at <i>Experion_PKS_R400_8\ServerClient\Server</i> location.</p>	ODBC Server Client Components package	<p>Non-Experion node</p> <p>Perform the steps as in <b>To install ExperionPKS.R400.Server.Patch421.PAR1-GYXF49.exe</b>.</p>
<p><i>ExperionPKS.R400.Server.Patch420.PAR1-M3EOCL.exe</i></p> <p>Located in Experion_PKS_R400.8 zip file at <i>Experion_PKS_R400_8\ServerClient\Server</i> location.</p>	PHD Point Server package	<p>Honeywell Uniformance PHD Server</p> <p>Honeywell Uniformance PHD Servers that communicate with Experion PKS R400 Servers through the PHD Point Server</p>

### To install **ExperionPKS.R400.Server.Patch421.PAR1-GYXF49.exe**

- 1 Browse to the path *Experion\_PKS\_R400\_8\ServerClient\Server* to install the software patch package. Right-click *ExperionPKS.R400.Server.Patch421.PAR1-GYXF49.exe* and select **Run as Administrator**.  
A WinZip self-extractor dialog box appears. The Command Prompt window appears with the text *Installing....* A Windows Installer installation dialog box may also appear.
- 2 After installation is complete, the **Installation Completed** dialog box appears. Click **OK** to close.  
If the software patch installer reports that some programs must be closed before installing, select **OK** to continue, or click **Cancel** to abort installation.

### To install **ExperionPKS.R400.Server.Patch420.PAR1-M3EOCL.exe**

- 1 Browse to the path *Experion\_PKS\_R400\_8\ServerClient\Server* to install software patch package. Double-click the software patch package icon.  
A WinZip self-extractor dialog box appears.
- 2 Click **Setup**.
- 3 A Command Prompt (MS-DOS) window appears with the text *Installing....* A Warning message appears to inform the user that this patch is intended for PHD Servers only. Click **OK**.
- 4 In the **Installation Complete** dialog box, click **OK** to close. The dialog box lists the software components successfully installed.  
If the software patch installer reports that some programs must be closed before installing, select **OK** to continue, or click **Cancel** to abort installation.
- 5 Using the Windows Services Control Panel, restart the PHD Point Server service.

## 2.6 Migrating controllers

### Related topics

“Updating the firmware” on page 41

“Firmware revisions” on page 41

### 2.6.1 Updating the firmware

1. Perform the upgrade readiness checks using the Upgrade Tool (UT) or Migration Readiness Tool (MRT).  
For more information about UT, refer to the *Experion Migration Planning Guide* and *Upgrade Tool Users Guide*.
2. Migrate the controllers and modules using the Controller Migration wizard (CMW).  
CMW is used for automated on-process and off-process migration. NTools and CTools are used for manual firmware upgrade.  
For more information about CMW, refer to Controller Migration in the respective *Scenario-specific migration guide*.

### 2.6.2 Firmware revisions

The following table provides details about the firmware versions.

Module	Module number	Firmware version	File
C200E	TC-PRS022	EXP400.1-96.392	cee50e.pcm cpmboote.pcm
C300	Cx-PCNT01	EXP400.1-96.392	c300.lcf c300app2.pcm c300app2_20.pcm c300boot2.pcm
FIM	TK-FFIF01	EXP400.1-96.392	fimboot.nvs fimboot.pcm fimrex.nvs fimrex.pcm
FIM4	Cx-PFB401	EXP400.1-96.392	fim4.lcf fim4app1.pcm fim4app2.pcm fim4boot1.pcm fim4boot2.pcm
FTEB	TC-FTEB01	EXP400.1-96.392	ftebboot.nvs ftebboot.pcm ftebrex.nvs ftebrex.pcm

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Module	Module number	Firmware version	File
PGM2	Cx-IP0101	EXP400.1-96.392	pgm2.lcf pgm2app1.pcm pgm2boot1.pcm
IOLIM	TC-IOLI01	EXP400.1-96.392	iolimapp.nvs iolimapp.pcm iolimboot.nvs iolimboot.pcm
I/O Module	Cx-PAIHx1 Cx-PAIHx1	EXP400.1-96.392	aih_4_04_01.s28 aihboot_4_04_06.s28
I/O Module	Cx-PAOHx1 Cx-PAOHx1	EXP400.1-96.392	aoh_4_04_01.s28 aohboot_4_04_06.s28
RM	TC-PRR021	EXP400.1-96.392	ReadMe.txt rm.nvs RM_APP.BIN RM_APP1.BIN RM_BOOT.BIN RM_BOOT1.BIN rm_transition_from_v2.nvs

### 3 Uninstallation of the point release

---

**!** **Attention**

- Uninstallation of this point release is not supported. Contact Honeywell TAC to uninstall this point release.
-

### 3 UNINSTALLATION OF THE POINT RELEASE

# 4 Resolved PARs prior to Experion PKS R430.5 Tools and controller Hotfix 1

## Related topics

“Resolved PARs in Experion PKS R400.7” on page 46

“Resolved PARs in Experion PKS R400.6” on page 50

“Resolved PARs in Experion PKS R400.5” on page 53

“Resolved PARs in Experion PKS R400.4” on page 56

## 4.1 Resolved PARs in Experion PKS R400.7

The following issues are resolved in Experion PKS R400.7.



### Note

The **Patch Name** column indicates if this PAR was resolved in a previous Patch/Hotfix.

### Common Components

PARs	Subsystem	Description	Patch Name
1-TMQUU2	CL/AM SERVER	CLServer fails one hour later after EPKS APP Node is rebooted.	Not Applicable
1-1PVZYTZ	Experion Station-Gus Display	On R410.5 system, the time/date is incorrect for one hour, if you use Displays with TPS-AL library, when a trend is invoked and the Daylight Saving Time is active.	Not Applicable
1-37RLAUN	Experion Station-Gus Display	GUS Validator validates only 15 graphics and displays an error message on the 16th graphic.	Not Applicable
1-3FU7NWN	Experion Station-Gus Display	When you do a remote log on to the EST node with engineering privileges the GUS displays have view only access.	Not Applicable
1-DOL7M9	Experion Station-Gus Display	GUS QUE_KEY actor does not change TPN access level in R400 EST GPB script.	Not Applicable
1-REFW8P	Experion Station-Gus Display	Remote GUS Display status in Server and Client machine is red and in blinking state.	Not Applicable
1-REH3W3	Experion Station-Gus Display	In config utility, "Use cursor key as ramp keys" option is not set as a default option.	Not Applicable
1-3FSBBM4	Experion Station-Integrated Keyboard	U0701-Keypress of IKB does not work.	Not Applicable
1-G5HP03	Experion Station-Native Window	Set TPN to TPS time option is disabled when refresh rate on LCNP status Display is changed to 1/10 second.	Not Applicable
1-3HWQNUF	Experion TPS Engineering Tools	On transferring file from HW site to Experion and back to HW site on EST node, there is a time stamp difference of 2 hours.	Not Applicable
1-BHRX3N	Experion TPS Engineering Tools	On transferring file from HW site to Experion on EST node, 1 hour gets subtracted from time stamp.	Not Applicable
1-1A52C08	Experion TPS Infrastructure	While using File Transfer to copy some file for another case, File Transfer copy stops responding indefinitely once the volume on the HM is full.	Not Applicable
1-2869AOH	Experion TPS Infrastructure	When you upgrade from Experion PKS 400.3 to Experion PKS 400.5 release, File Transfer components get uninstalled in T-Nodes which are TPS Connected nodes with File Transfer Server and Client installed.	Not Applicable
1-3EM3PGP	Experion TPS Interface	In TPS when you use Commands object to send commands to the Native Window, the HSCStationWindow stops responding.	Not Applicable
1-3J0UKE5	Honeywell Communications Interface	Experion OPC HDA server may stop working following a period of extreme client activity.	Not Applicable
1-3JQEE40	Honeywell Communications Interface	RDM and OPC Test Client (e.g. OPC Validator Tool) cannot receive data from Experion OPC HDA Server.	Not Applicable

PARs	Subsystem	Description	Patch Name
1-3L3DW3G	Network-FTE	FTE issue is observed during R430.2 patch installation after applying cumulative patch R430.2 from R430.1. The Honeywell FTE Mux Adapter does not have any IP address and the subnet mask does not allow any values except 255.255.255.255. This is caused when the initial IP address of the Yellow adapter is set to DHCP by the Initialization Media and is then changed after Experion PKS installation is completed.	Not Applicable
1-3EOU6GN	Safeview	SafeView occasionally fails to close Displays if debug traces are not turned on.	Not Applicable
1-US9Q99	Safeview	In SafeView when two windows are configured as always-on-top, if then one of those is dragged on top of the other and then closed, the underlying Display does not automatically refresh to clean up the overlapping area.	Not Applicable
1-3KAQWR3	TPNServer	Inactivating AM TPN point with CL Message causes TPN Server to remove message from Experion.	Not Applicable

**Controllers and Tools**

PAR	Function/ Sub system	Description	Patch Name
1-1TOBWBL	SCM-Sequential Control Module	The Phase State in a parent is stuck in ProcAcquire and the PHASE.ACQSTATE is Acquiring. This situation occurs only under very specific conditions with PHASE.EXECUTEOPT, PHASE.TERMSTATE, and PHASE.RELEASEOPT options not selected. It occurs when a Child (SCM or RCM) responds to a RESTART command initiated by the Parent.	Not Applicable
1-LR9HXX	CTools	The enapsrv.exe leaks handles (~24 every hour) on a pure Flex Station.	Not Applicable
1-1BLY667	FF Interface Modules	Unable to load the Auma and Dremho Fieldbus Devices to monitoring side.	Not Applicable
1-32DTMMI	ModBus TCP Infrastructure	PCDI Channel may fail on device switchover.	Not Applicable
1-2TMVGBP	Network-FTE Bridge	FTE status Display for FTEB node displays erroneous failures. On FTE tab, the address count and node count are different than expected for system configuration.	Not Applicable
1-2Z18MCB	CF-Control Function	The TypeConvert block uses the same input union structure and is unable to perform successful initialization.	Not Applicable
1-LA4W4P	CDA-Control Data Access	In a specific scenario, bad quality alarms are seen with respect to FIM2 NDM alarm.	Not Applicable
1-3DO00CT	CDA-Control Data Access	There is a delay in server switchover, on the removal of CNET cables from primary server.	Not Applicable
1-37KXN75	Enterprise Model Builder	You face problems with EMDB/ERDB backups from DB admin.	Not Applicable
1-39OH86T	C300 Controller	C300 intermittently loses synchronization.	Not Applicable
1-QX0LJR	I/O-Series C	Control valve works fine but the following errors are observed "Redundancy IOPfail" and "OP fail in circuit field wire".	Not Applicable

PAR	Function/ Sub system	Description	Patch Name
1-3JYRUF	Network-FTE Bridge	After migrating Experion R410.4 to R410.6, frequent FTEB failures are observed. Failures appear to be sensitive to network conditions, like restarting a server.	Not Applicable
1-3IZ6GOJ	ModBus TCP Blocks	Redundant Modbus Bridge failure may cause C300 CPU free to deplete (0% CPU free).	Not Applicable
1-Y57R0D	C300 Controller	The redundancy IoDevice maintains a count of receive buffers that have been installed in the Ethernet driver (called rxBufferPostCount). Though the rxBufferPostCount is constantly being incremented but does not truly count the number of receive buffers installed in the Ethernet driver.	Not Applicable
1-11T68KZ	Control Builder-Procops	Control Builder stops responding while closing the SCM window.	Not Applicable

### Servers and Stations

The following mentioned PARs are for Servers and Stations.

#### Server

PAR	Subsystem	Description of problem	Patch Name
1-3HA2TI7	OPC/ODBC	Decimal deadband values are rounded off when validating OPC Integrator group.	Not Applicable
1-3F91IIIH	OPC/ODBC	During point download or server failover events can be generated indicating OPC SCADA client point parameter values are chattering.	Not Applicable
1-3E7EU53	Console Station	Point parameters are synchronized to PHD with the wrong datatype.	Not Applicable
1-3E2ABPV	Server Database Engineering	Bckbld & pntbld do not support a SCADA alarm limit of NaN set by ACM.	Not Applicable
1-3DVUZ8L	Distributed Server Architecture	Temporary DSA data disconnections can occur when reading a very large double precision number over DSA.	Not Applicable
1-3FDF25D	OPC/ODBC	Group marginal alarms are raised with a 'FAILED' condition.	Not Applicable
1-39D6Z6T	System Libraries	Performance of a subscribing server can be impacted if a publishing server repeatedly publishes a system alarm with an asset parent other than system point parent.	Not Applicable
1-3AG1AV5	OPC/ODBC	History values "NaN" are displayed as "1" with Quality "Good" using ODBC driver.	Not Applicable
1-2ZPU0G3	Notifications	"Card Holder Detail" link is displayed on alarm summary for some TPS alarms.	Not Applicable
1-2WT851D	Displays	Printing options in syscfgoperadvanced.htm file are working in the reverse order.	Not Applicable
1-2WTD5XR	OPC/ODBC	Alarms raised when group status is marginal, must be latched. In certain scenarios, the patch for this issue is not installed correctly.	Not Applicable
1-2UCAWQ9	PHD Integration	Experion Tag Sync Server to provide CM engineering units to PHD if no block engineering units are defined.	Not Applicable
1-2PTALJP	Event Archiving	Event archive files are missing from the target directory.	Not Applicable

PAR	Subsystem	Description of problem	Patch Name
1-2IMJUUZ	Server History	Slow history point parameters on a trend with a fast history update rate can occasionally be drawn with a mix of points (X) and lines.	Not Applicable
1-2IMJUU5	Server History	Trend with point parameters at non-base rate wait for the non-base rate before updating, instead of the base rate (= trend period) or switch to real-time.	Not Applicable
1-2G5YGYJ	PHD Integration	Experion Tag Sync Server may terminate unexpectedly when background monitors TPS tags.	Not Applicable
1-1101UYJ	OPC/ODBC	In certain scenarios it can take the Experion link longer than one day to recover one day history from Experion.	Not Applicable
1-ZXQDVD	OPC/ODBC	Introduce throttling into the ODBC driver to prevent overload from queries made against all points.	Not Applicable
1-UGPXQB	Notifications	Filtering on multiple assets on the Event Summary Display can result in errors and the return of no events.	Not Applicable
1-3A4LKSF	Event Archiving	After a redundant server synchronization, an alarm is raised with description "Events database replication".	
1-HJIEOJ	OPC/ODBC	PHD logs may get filled with thousands of error messages during history recovery of an Experion server.	Not Applicable
1-GC904F	PHD Integration	PHD Tag Synchronization Server outputs error log messages incorrectly when background monitoring TPS points.	Not Applicable
1-GBCLQ7	OPC/ODBC	OPC Integrator groups fail and recover when daylight saving finishes.	Not Applicable
1-TL5R8V	PHD Integration	When changed via the Native Window or a detail display for a synchronized TPS tag, the range does not get updated in PHD.	Not Applicable

### Station

PAR	Subsystem	Description of problem	Patch Name
1-THVUCJ	Station	The prompt to confirm a page alarm acknowledgement may not show the display name.	Not Applicable
1-3GPNYDR	Station	Station does not allow selecting static text on a non-HMIWeb Display for copy-paste operation.	Not Applicable
1-3GTOXLP	Keyboard	Occasionally IKB/OEP keys may not work in Single Window Station when a faceplate has focus.	Not Applicable

### Quick Builder

PAR	Subsystem	Description of problem	Patch Name
1-3E2990A	Upload/Import	Quick Builder upload fails when alarm limit value is NaN.	Not Applicable
1-2WSTAT1	Property Sheets	Quick Builder status point cannot display History tab when history parameter number exceeds 120.	Not Applicable

## 4.2 Resolved PARs in Experion PKS R400.6

The following issues are resolved in Experion PKS R400.6.

### Common Components

PARs	Subsystem	Description
1-1NVENIB	Network-FTE	TCP Chimney Offload global parameter gets enabled resulting in network issues.
1-2DG1B4J	Network-FTE	Low resources for long periods cause multiple FTE log file threads.
1-2QH5RPJ	Redirection Manager	On using parameters that are not scanned in OPC advanced client, RDM stops responding. High CPU/memory usage is also observed occasionally.
1-2UOPBS2	Signon Manager	On the Enrollment Utility page, when you click <b>Delete User</b> and type a wrong password, the user gets deleted.
1-VOE9OT	Honeywell Communications Interface	There is a need to improve the HDA interface to cope up with poor network.
1-ZB11AY	Network-FTE	When you build the FTE node list, the report does not clear the MAC address text between nodes.

### Controllers and Tools

PARs	Subsystem	Description
1-13CATPQ	Profibus Interface Modules	Profibus channels do not get updated in Control Builder after replacing the SST-PFB with SST-PB3 module.
1-26WY5AD	OPM-Upgrade Tool	Due to the implementation of consolidated patches, target release is not displayed as R430.x .
1-2BM4T3F	Profibus Interface Modules	During runtime you see a Watchdog error and all slaves lose communication.
1-1XLFBGJ	Embedded Controller/Gateway Platform	After configuration changes in SYCON, and on the reload of Pblink, PGM loses connection of PDA with PIOMB.
1-K2MS9P	IXP-Import Export	Import operation changes the case of some of the string constants in expressions, i.e upper case to lower and vice-versa.
1-1WBUZIE	I/O-DeviceNet	No support for the 1756-DNB/E module in Experion patch releases.
1-2EONY16	Control Builder	Some information does not get restored on performing DSD Save or Restore operation.
1-YV25GN	CDA-Embedded	The following error message is displayed on loading Control Modules for ACE, "Insufficient memory in CDA".
1-2TMQJYW	CDA-Control Data Access	CDA server stops responding on giving an invalid input to the PathData parameter.

### Servers and Stations

The following mentioned PARs are for Servers and Stations.

**Server**

PAR	Subsystem	Modified Description
1-2AL5ZKN	FSC Interface	FSC/Safety Manager SOE processing is not reliable if point parameters with associated SOEs are built on a system that has an RTU table with more than 255 records in it.
1-1WZRAVZ	GDA - Points	Deletion of equipment or container point, cause error log message and potential GDA heap corruption on DSA subscriber.
1-1VQA7D3	Internationalisation Infrastructure	Chinese characters are not displayed properly on printing a Summary report.
1-1S52S2F	Notification Presentation	When you click on the Trend with events display bar for a time older than any live events, Flex stations revert to startup display.
1-SN4CZT	ODBC Driver	R31x ODBC driver terminates when the AEA synchronized application makes FlexiblePoint table queries, running on ACM 320 server.
1-2L438J9	OPC Data Client (Flexible)	The non-existent parameters are attempted to be discovered from the OPC Advanced Client connection associated with a SCADA OPC client channel.
1-12ANELF	OPC Data Server	If an OPC client browses all Experion server point parameters, the Experion server resource usage increases.
1-UDRX4J	OPC Integrator	After installing the Microsoft patch, the OPC Integrator Displays display a message box stating the usage of an unsafe ActiveX each time you navigate to a new display.
1-2GMH01N	OPC Integrator	If you configure the 'Group Marginal' alarm with a priority of 'journal', an event is raised every time the group performs a write operation. The event continues to be raised while the group status remains marginal.
1-2RNQN19	OPC Integrator	If you enable a group with invalid items, the group does not stay marginal.
1-2PBP3K3	Redundancy - Server	Detection of prolonged period of very high disk usage on primary server results in an optional server failover.
1-1R304VF	TPS Interface	If OPC Clients and/or Peer Responder regularly update TPS point parameters then Call up of Displays referencing TPS point parameters on a Flex Station become slow.
1-2ICYRFN	TPS Interface	If you change the priority of an alarm to JOURNAL, TPS alarm does not get disabled.
1-2VNCSKZ	Server	Addresses multiple potential buffer overflow vulnerabilities.
1-2N4XXS0	TPN Server	TPN message clear event does not contain original message string to TPN Server.
1-2ULXQ4P	TPN Server	The Experion message summary does not contain a confirmable message from the HOLD handler.
1-VIPDLX	TPN Server	Certain irregularities seen in the alarms and event reports generated by ESVT and real time journal assignment of TPS system.

**Station**

PARs	Subsystem	Description
1-PNO9HN	Station Chart/Trend	Unchecking a non-selected plot item in a trend legend after horizontally scrolling may obscure all included plots in the trend.
1-TEF765	HDB Display Report Addin	Display Report tool in HMIWeb Display Builder Assistant gives incorrect count of embedded shapes.
1-1VBW7V3	HDB Script Data Access	HMIWeb Display Builder may stop responding on navigating to the script data tab on a system with a large number of points.
1-11QM24P	Station eServer Standard Access	Value specified for eServer URL in eServer Standard Access Configuration panel does not get updated in the Registry.
1-11S3TUI	Station Failover	Station ignores the auxiliary file retry limit specified in the connection-setting (.stn) file.
1-15CEP1N	Station Keyboard Support	Alphanumeric on a faceplate may become non-editable after performing a select and drag operation.
1-1BNF637	Station Keyboard Support	Esc key is not received by the display with focus.
1-1BNK1QX	Station Printing	White text on a colored background is not visible when printing with "Metafile" printing option.
1-25BWK1Z	HDB Custom Properties	Cannot use custom properties in scripts within shapes.
1-28SPVM5	Station Navigation	Repeated calls to point detail Displays in two single window stations fails to load one of the Display.
1-1C14VOX	Station Notification Presentation	Double-click with the right mouse button fails to work when tool-tips begin to flash.
1-2DD411H	HDB Installation	After installing the R400.5 media, the Product version file gets updated with two entries of HMI patch install/uninstall details.
1-2DJXPRR	Station Toolbar/Menu	Station menus get disabled when number of commands in the toolbar file exceed a certain threshold limit.

## 4.3 Resolved PARs in Experion PKS R400.5

The following issues are resolved in Experion PKS R400.5.

### Common Components

PARs	Subsystem	Description
1-1182QQ7	Custom Algorithm Block (CAB)-Buildtime	Parameter Reference does not display the string size from earlier CAB types.
1-URS70V	Experion Station-Faceplate	The output in the sysdtltpsdiagout_fp detail Display is displayed in numeric instead of text.
1-10672E3	Experion Station-Faceplate	The DIGOUT faceplate requires same test for Ramping up/down of output as the DIGINOUT faceplate.
1-YRNN7B	Experion Station-Integrated Keyboard	HMIWeb log file has IKBHelper::IKBAnnunciate FAILED messages.
1-Y3I38Z	Experion TPS Infrastructure	File transfer does not work properly.
1-SADCRB	Experion TPS Interface	Function key F3 (and other F keys) result in crash of GUS display on an Experion Station - TPS (EST) node.
1-YV3XLT	HMIWeb TPN Details	Device Control Experion TPN faceplates display INIT when point is not in INITMAN state.
1-AYJS7J	HMIWeb TPN Details	The text INIT is visible in the faceplate for Digital Composite points, Advanced Process Manager (APM)/ High-Performance Process Manager (HPM) points.
1-JF14RP	Network-FTE	After rebooting the yellow switch, one EST node displays duplicated IP address with itself.
1-TUZ7JL	Network-FTE	In the event viewer every time a Fault Tolerant Ethernet node is restarted the error event FTEMUX ID 518 is displayed.
1-KPIKQN	Network-FTE	EHGR410 DeleteNetIp2 function fails in EHG and appears in system logs.
1-YOFGKL	Network-FTE	FTE causes memory leakage when both cables are un-plugged.
1-TELVLP	Network-FTE	Console stations configured with ET Network Interface cards (NIC) lose connection with FTE network.
1-WHDZPJ	Network-FTE	FTE sends Address Resolution Protocol (ARP) to an invalid IP address.
1-WIIOLOQ	Network-FTE	ACE loses network connectivity.
1-10V3NSZ	Network-FTE	All versions of 64-bit FTE Driver cannot be uninstalled either through program and features or from the Adapter Properties window. This includes re-installation and patch installation.
1-MI4CXZ	SafeView	Focus-based SafeView invokes display in wrong monitor.
1-WDKVEV	TPN Server	TPN server does not save enumeration text in its checkpoint.
1-13C1WOD	Experion TPS Infrastructure	Honeywell OLE for Process Control (HOPC) Server is not able to run in EST after the installation of R400.4.
1-16LYPLX	SafeView	Applications may fail at startup if R410.2 or R410.3 SafeView is running.
1-1H6L2NV	Experion TPS Interface	Human Machine Interface (HMI) web Displays get closed after a failed call to invoke Native Window Display.
1-1NBTQYR	Experion Station-Faceplate	On repeated change in the output of a momentary point on the faceplate combobox, the value is continuously written to the process even after you stop changing the output value.

PARs	Subsystem	Description
1-1NST68L	Honeywell Communications Interface (HCI)	Add guard code in HCI to protect Distributed Safety Solutions (DSS) read call stack.
1-OZVBQP	Experion Station-Faceplate	You cannot ramp DIGCOMP OP for HG points when output is selected on Experion TPS DIGCOMP faceplate. One value is available on faceplate, but when bound to a generic display, other values are also available.
1-US28IP	TPN Server	Information message present next to Confirmable message, cause messages to get mixed up in TPN Server.
1-YS8KFZ	SafeView	SafeView may always apply on-top attribute when not configured either way in the workplace.
1-1WDWX MN	TPN Server	Under heavy parameter read load, read and write to the TPN may timeout. TPN server being busy cleaning up demand read requests, might not allow new requests during that time.

### Controllers and Tools

PARs	Subsystem	Description
1-WQ6FST	CDA-Control Data Access	System degradation is observed due to continuous notification disconnects.
1-YGVOM9	C300 Controller	FTE interface A or B becomes SILENT on idle run on C300 and FIM4 controllers.
1-XUR2AD	Profibus Gateway Module (PGM)	After a PGM power up/down the module fails with fail code 98B7.PGM.
1-16RPXXL	EHG-Experion Hiway Gateway	High Level Process Interface Unit (HLPIU) CC 32-bit counter fails to update the value of AV even though the count increases at box level.
1-12G8WFH	IO Link Interface	Cache First In First Out (FIFO) is incorrectly sized.
1-1556M7T	Wireless Device Radio-DSSS	Messages are seen in customer logs due to the CCQ buffer getting full.
1-US9TW5 *	PGM	If you change the Network configuration settings in SYCON.net tool and then save, the configuration file created gets corrupted leading to the loss of synchronization in PGM and devices off-net.
1-MXHAQX *	PGM	Even though the devices are configured in SYCON.net, the number of slave devices configured are displayed as zero.
1-Y4TJXR *	PGM Hilscher Communication Stack	After PGM switch over, PGM Master mode changes to OFFLINE.
1-ZWVA5D *	Profibus Interface Modules	After PGM switch over, PGM second link mode changes to OFFLINE.
1-PLOKBP *	PGM	On loading 124 devices in each link, MASTERSTATUS mode changes to OFFLINE.
1-1ZWTMS T *	PGM Hilscher Communication Stack	During run time, all slave devices lose communication with PGM.
1-20AJQIB *	PGM	PGM firmware fails to take care of channel initialization errors, for Hilscher netX chip.
1-10W6NLD *	PGM	Improper functioning of system alarms is seen with Turck MT24 Profibus.

\* Requires firmware to be updated.

**Servers and Stations**

PARs	Subsystem	Description
1-QIU6K1	Eng - Point Build (pntbld)	Unable to build OPC Advanced points for IEC61850 if the OPC Advanced Client option is not licensed.
1-YKAC05	GDA - Notifications	Temporary interruption to DSA notifications under rare conditions.
1-R0RI0T	GDA - Points	Server log may be flooded with nuisance log messages when one or more DSA connection is disabled.
1-ZCZSC9	GDA - Points	Station may revert to the startup display on a Russian locale system if an engineering unit is entered in Control Builder with a character not in the Russian character set.
1-ZLCKDP	History - Periodic	History assignment displays on Console Station do not work properly for points and/or parameters that are dynamically discovered and reports a misleading error message.
1-11FF22D	History - Periodic	Occasionally gaps in trend occur for point parameters that are assigned to history at the non-base rate.
1-R1Z1CF	OPC HDA Server	It is possible for an OPC HDA client to get an UNKNOWNITEMID error when trying to read history for an Experion point parameter that has previously been deleted and re-added.
1-1287FCV	Redundancy - Server	Some rare hard disk failure modes on the primary server may cause displays to become non-responsive with no automatic server failover.
1-106SAZL	Scanning Subsystem	OMNI channel fails when used with new controller firmware that checks the range in the header.
1-126IGNF	Alarm Pager	Cyrillic alarm descriptions are not displayed correctly in alarm pager e-mails.
1-TVL0M3	Displays - General	On 'alarm and event 'report configuration page in content tab the radio button cannot be selected /deselected by clicking on the radio button.
1-103P1HJ	DSPLY Subsystem	Cannot delete a point from a trend if you do not have access to system asset.
1-13K3B5X	DSPLY Subsystem	It is possible for an operator to tap raise the value of a point outside of their scope of responsibility or within their scope of responsibility for a point in a view only asset.

## 4.4 Resolved PARs in Experion PKS R400.4

The following issues are resolved in Experion PKS R400.4.

### Common Components

PARs	Subsystem	Description
1-URS70V	Experion Station-Faceplate	Output in the sysdtltps digout_fp detail display is displayed in numeric instead of text.
1-10672E3	Experion Station-Faceplate	Problem of command output with Faceplate sysdtltps digout_fp for HG points. Digout FP ramping HG OP's with <i>NONE</i> .
1-YRNN7B	Experion Station-Integrated Keyboard	The message — <i>IKBHelper::IKBAnnunciate FAILED</i> floods the HMIWeb Log.txt log file.
1-SADCRB	Experion TPS Interface	Function key F3 ( and other F keys) may fail GUS display on an EST node.
1-YV3XLT	HMIWeb TPN Details	Device Control Experion TPN faceplates show INIT when point is not in INITMAN state.
1-AYJS7J	HMIWeb TPN Details	The text INIT appears on Experion TPS faceplates for DC points built on the SM.
1-JF14RP	Network-FTE	Node detects duplicate IP in the node itself when yellow switch is restarted.
1-TUZ7JL	Network-FTE	In the event viewer every time an FTE node is restarted the Error event FTEMUX ID 518 is displayed as — The DAD state is tentative.
1-KPIKQN	Network-FTE	"DeleteNetIp2" function fails in EHG and appears in system logs.
1-YOFGKL	Network-FTE	FTE causes a memory leak if both cables are not plugged in.
1-TELVLP	Network-FTE	Console stations configured with ET NICs lose connection with FTE network during Storm test.
1-WHDZPJ	Network-FTE	FTE sends ARPs to an invalid IP.
1-WI1OLQ	Network-FTE	ACE loses network connectivity.
1-MI4CXZ	Safeview	Focus based Safeview invokes display in wrong monitor.
1-WDKVEV	TPNServer	TPN server no longer saves enumeration texts in its checkpoint.
1-V1YUEV	Network-FTE	IP Address is not set by the installation of FTE on HP machine.

### Controllers and Tools

PARs	Subsystem	Description
1-8H2CBL	Control Builder	ERServer leaks private bytes of memory during stability test.
1-H2P2EV	Licensing	Cannot load an ACE or a SIM ACE even though the license should allow it.
1-KUT5I9	Control Builder	FDM Gateway configured MUX view from station location view is not proper.
1-NX26Z3	Control Builder	Control Builder project tree Search functionality is very slow.
1-R8GAOS	Control Builder	The DUAL_SENSOR_STATUS parameters return an error during upload or basic parameter access.
1-EGTJPS	DDManager	DD file import shows dictionary string problem for HART device.
1-REV3U1	CDA-Control Data Access	CDA service fails on Console stations during FTE fault test on FC.
1-TDKAN1	Control Builder	Though the cross reference is enabled, the output pin has missing cross-references information.

PARs	Subsystem	Description
1-K9J3JB	DDManager	Command 48 mismatch between configuration form and DD manager.
1-TP4D8H*	Network-FTE Bridge	FTEB, FIM and IOLIM modules fail Trial Run and need enhancement to support new flash.
1-TNPEYL*	Fieldbus Interface Module	Remote FIM2 racks frequently abort synchronization due to RedundancyDataOverrun on certain systems.
1-FLGH4X*	PGM	Improve NVS handling for better PGM2 startup coordination.
1-Q3ZWQ9*	I/O-Series C	With the provided ERDB, AUTOMAN blocks shed MODE following C300 RRR after power failure and recovery of C300 and Series-C IO modules.
1-Y8QGQ9*	Key Server	Unable to add more than 255 devices to OneWireless R120 network.
1-AQ8BT0	CF-Control Function	Unexpected UNCMD alarm in DEVCTLA under certain conditions (OI control).
1-W5DZHT	CK-Control Kernal	Ghost alarms in R400. Further investigation in the Server and CDA areas revealed that the CEE was sending BoolAlarms (DEVCTL SIALM in this case) with random parameters representing the trip value. The server was not able to match the RTN and the Active and ended up with a stuck alarm.
1-YWTZQE*	Network-FTE Bridge	FTEB RAM Sweep Diagnostic runs once through main RAM and then ICP Shared RAM but then only scans ICP Shared RAM continuously at runtime. An error with the constants used to define the next memory section to be scanned results in the main RAM being skipped at runtime.
1-YQZ15Z*	IOLIM	IOLIM RAM Sweep Diagnostic does not run to completion and does not continually execute at runtime. A logic error permits the test to run partially on startup of the module.
1-YS1VVD	CDA-Control Data Access	RM Event Logs flooded with WCT Time Change events.
1-YW4ERF	IOLIM	Enhance RAM Parity Sweep Diagnostic for the IOLIM/FIM/FTEB to distinguish between transient and hard error.
1-YW4ERF*	IOLIM	Enhance RAM Parity Sweep Diagnostic for the IOLIM/FIM/FTEB to distinguish between transient and hard error.
1-Z0LA30*	CPM-Control Processor Module	The least impactive way to recovery a failed Series A controller module is to use NTools to issue the Recover command and then the Start command. However, the Recover command has the undesirable side-effect as it clears the Crash block.
1-ZHKFNL*	C200E Controller	Parity sweep of ICP shared RAM is not performed and allows latent errors to accumulate.
1-ZKK6Z5*	Redundancy-RM	ICP Shared RAM Parity Sweep required to guarantee proper switchover behavior.
1-YVHNM9*	CAB-Embedded-Runtime	Notifications with wrong tag name because of C300 CAB with null PREFs.
1-ZLJC0L*	Fieldbus Interface Module	FIM4/FIM8 Manufacturer custom parameter type buffer limitation.
1-WK89DJ	CDA-Control Data Access	Continous Notification disconnects observed leading to system degradation.
1-OHF99F*	ModBus TCP Blocks	Writing to PCDI Master parameter CONTOUSE.
1-V2G0VP	SIM-IO LIM	Load of dynamic files saved from previous Experion version break the communication from PIDA.
1-ZRSNX2	Control Builder	Control builder fails if SCADA points contains special characters.
1-YNQC5T	CTools	In Ctools, add a feature <i>recover from crash states</i> .
1-Z72GSD	CDA-Control Data Access	CDA NDM enhancement to collect crash code & string and append to CDA log.

PARs	Subsystem	Description
1-YO2105	IXP-Import Export	During migration, the CAB blocks display Duplicate Library found. Creating a new Library message. A new library is created for the CAB block templates being restored.
1-YO211J	IXP-Import Export	Migration fails during CAB block type import. In some scenarios, migration of CAB blocks with Library or Template name ending with ‘_xxx’ (x is a numeric) fails, as the blocktype is identified as a CCL.
1-4E61B5	IXP-Import Export	While importing the Simulation database, the Control Builder memory gets locked and displays Out of memory message.
1-1DW26N	IXP-Import Export	Control Builder memory gets locked and the memory is not freed after importing large databases.
1-3BPVPV*	C300 Controller	The FPGA configuration readback-verify failed. This diagnostic cycles every eight hours so it may take that long to report a fault.
1-ZSZ0SF*	CPM-Control Processor Module	C200 controller does not recover from transient SRAM Parity Error.
1-ZSZ0TU*	C200E Controller	C200E controller does not recover from transient SRAM Parity Error.
1-Z1JO11	Firmware Download Utility	Add protection to firmware upgrade utility to prevent out of order migration.
1-1182QQ7	CAB-Buildtime	Parameter Reference does not show the string size from earlier CAB types.

\* Requires firmware to be updated.

### Servers and Stations

PARs	Subsystem	Description
1-T90I69	CDA Integration	Temporary inverse video can be seen in Station after calling up a trend display or detail display.
1-KUVO5E	Console Station	In rare circumstances, Console Stations continually connect and disconnect with the server approximately every 3 minutes.
1-QZEA29	DSPLY	Displays with filenames that only contain numbers cannot be loaded using the page prompt.
1-WCLE93	FSC Interface	Safety Manager/FSC SOEs have a blank description instead of showing the point description.
1-PLB3SD	ODBC Driver	ODBC Driver terminates unexpectedly whenever the server is restarted or failed over.
1-QSL7PJ	PHD Integration	History data delivered to PHD by the Experion Link can be up to one interval behind. For 10 minute and one hour data this can mean a delay of 10 minutes and one hour respectively.
1-RP5NPL	OPC	Non-scanned parameters continue to update if the associated channel is disabled.
1-S12B0T	OPC	OPC SCADA client should confirm value has changed when SOE's are generated for digital input tags.
1-T3AKTZ	OPC	SOE's are generated with incorrect dates when a point is first built or the background read is done for a controller configured to generate SOE's for digital input tag changes.
1-RWKKGV	System Startup / Shutdown	Server may not restart after an error is detected and an automatic restart is initiated.
1-R1DCT7	OPC (QB)	OPC browse functionality is missing for scanned OPC parameters.
1-TC00I7	CDA Integration	Temporary inverse video occurs sometimes while downloading from Control Builder.

PARs	Subsystem	Description
1-JCOIK3	Data Access	Container point references not updated on DSA subscriber if modified after being discovered.
1-KW50TP	Data Access	Temporary inverse video can sometimes be seen when attempting to view DSA points that were deleted on publisher.
1-L6T8MZ	Data Access	If SCADA point MODE and MD parameters are viewed together over DSA or on a Console Station, a change in value may not be updated in both.
1-T90IOV	Data Access	Temporary inverse video can be seen in Station during a significant network disturbance.
1-TFFH0F	Data Access	Under rare scenarios, cleandsa may incorrectly delete remote points that are in still in subscription.
1-TLOYE9	Data Access	The cleandsa utility can unexpectedly terminate if all 65000 points in the point database have been used.
1-NEHOUL	Displays	Difficult to use plot pen color selector on group trend, point names may be truncated, and difficult to associate plot color with point.
1-PROZ2D	Displays	Script error may occur when viewing the Distributed Server Status display in Station on an eServer Server node.
1-S6WVZ9	DNP3 Interface	DNP3 interface can't write deadbands to the RTU for point numbers greater than 32767.
1-L618ZP	DSPLY	Flex Stations might lose connection to Experion when Quick Builder downloads other Stations.
1-RN7KH7	DSPLY	On Controller Status Summary at security levels below OPER scrolling/filtering/sorting is unavailable.
1-RYW4OP	DSPLY	Can't change connection using combobox on Distributed Server configuration display at View Only security.
1-S0TAS1	History	It can take up to one minute to display trend data for 20-30 tags on the Sapphire Trend.
1-GYXF49	Installation	Unable to install the Experion R400 ODBC Server client components on a non-Experion node.
1-QL5J5Z	Installation	Unable to install the Experion R400 OPC Server Connect components on a non-Experion node.
1-VL1GMP	Installation	The Experion events database cannot be re-installed after applying R400 Server Patch 3.
1-62GUWZ	Notifications	Station stops responding after being left on the alarm summary with detail pane showing for a significant length of time.
1-JKVPFL	Notifications	Unshelve Alarm button remains disabled after selecting shelved alarms and scrolling through the Alarm Summary display.
1-OW2AO9	Notifications	Applying "Like Currently Selected" filter on the Event Summary can cause Station to reconnect.
1-TJKHBZ	Notifications	Audible annunciation will stop if the alarm summary has a single unacknowledged alarm and that alarm is disabled.
1-TGLWSF	ODBC Driver	History obtained via ODBC is reported with incorrect values for very small positive numbers and entries ending in zero.
1-IBSEEV	OPC	Unexpected trailing tabs in OPC Integrator import file can result in lost item configuration and all groups failing on the backup server.
1-S0SOAL	OPC	OPC SCADA client should not generate CHANGE events when SOE's are generated for digital input tags.
1-THGQ17	OPC	OPC Integrator bidirectional group causes values to continuously toggle between previous and current value.

PARs	Subsystem	Description
1-VM0009	OPC	Experion OPC HDA Server may not send occasional history samples due to a timing issue.
1-M3EOCL	PHD	The PHD Point Server disconnects and reconnects to the Experion server when calling up Trends with large intervals (8 or 24 hour) and large time spans.
1-MSNBZH	Platform	Point and hardware downloads fail when user name and password required if user is only in Local Engineers.
1-KA4UO3	Point Building / Backbuilding	Alarm priorities can be incorrectly set in Quick Builder for status points with "No States" alarm enabled.
1-TD5GRV	Point Building / Backbuilding	Bckblld fails to execute correctly when back building a Safety Manager point with xxDESTIN referencing an unused address.
1-W82R7Z	Terminal Server	Terminal server communications can fail if there is no communication on the link for 60 seconds or more.
1-CSK0TX	TPS Interface	Unable to read and write TPS array data as an entire array using the Experion OPC server
1-T2O1UZ	TPS Interface	The dspprime should exclude validation of \$HCI_TPNSERVER because TPN Server is not expecting this parameter.
1-UWM3A9	Algorithms (QB)	When uploading a point configured with PVAIgo5, the Storage Period is set to Shift in Quick Builder, overriding any other configuration.
1-T4CBZF	Diagnostics	Enhance the DCT to collect output of tasklist /svc (run in elevated mode).
1-T85OD7	Notifications	Improve integration of status and access points that integrate with DVM via Algo 71 and 92, so that they notify DVM when alarms on those points are removed from alarm summary.
1-NU2G3R	OPC	OPC SCADA client to optionally support SOE's to 1ms resolution for digital input tags.
1-TYO9HN	OPC	OPC SCADA client to optionally raise alarms using the OPC Server timestamp.
1-S7QWC1	TPS Interface	The dspprime enhancement to prime faceplate point parameters for all TPS points that belong to groups.
1-N08XL1	Chart/Trend	Deselecting the 'Show X-axis' option on a custom trend does not hide the X-Axis.
1-WNZJNJ	Chart/Trend	Selecting 'Show plot area only' in the basic trend may cause a vertical scroll bar to appear in the plot area when viewed in Station.
1-YWY1G9	Chart/Trend	'Show time selector' property of Custom Trend has no effect.
1-TEF765	HMIWeb Display Builder Assistant	Display report created using HMIWeb Display Builder Assistant gives incorrect count of embedded shapes.
1-VI2CJJ	Station (DVM Integration)	DVM pages may not load in multi-window station.
1-SXJXMV	Shapes	An extra space character may be added to the end of custom properties in shapes.
1-VHDOXD	Printing	Unable to use Station.ini to disable Alarm and status bar for printing.
1-WJAV63	Printing	Station should not use metafile printing method for alarm summary displays.
1-QO0MO5	eServer	Text on eServer Standard Access displays may have reduced sharpness compared to prior releases.
1-YMJ4Y3	eServer	Error may be shown after logging into eServer Premium Access client.
1-ZDF8AZ	Popups/Faceplates	Push-pinned popups remain visible when Station is minimized.
1-UUN4I1	Station Toolbar	Command zone may not render as a dropdown if the safeview window size exceeds the dimensions of physical screen.
1-TLAMJP	HMIWeb Display Builder - Shapes	Embedded shapes with an ampersand (&) in their file name are lost when the display is saved in HMIWeb Display Builder, or when using the Bulk Display Migrator.

PARs	Subsystem	Description
1-OYHYUR	Reports	Crystal reports cannot generate file of type text as a report output.
1-PM7IC7	TDC Data Hiway Interface	The 32bit PIU counter reference back builds incorrectly.
1-Q6LA6H	Reports	Microsoft Excel report can fail to run and the Microsoft Excel process left in memory.
1-QD4UBH	OPC	Location Tag and Value columns not populated in SOE display for IEC61850 notifications.
1-RR4HHT	DNP3 Interface	Control operations that involve writing one or more bits to a DNP3 analog output fails with a <i>DNP3 error - device response timeout</i> message displayed to the operator.
1-YZ2Y8X	OPC	AlarmDeadbandPercent is incorrectly exposed for a status point.
1-ZM8RGX	DNP3	A timeout in dnpscn<->dnpdmm communications can in rare circumstances result in the dnpdmm entering a state where it no longer makes requests of controllers.
1-ZNDUGJ	OPC	OPC SCADA interface does not support bit fields using a user defined format of int2.
1-K4RRMV	Reports	Strings of more than 20 characters are not handled correctly when accessed through the ODBC Data Exchange Reports.
1-KJ4QXJ	Notifications	If a controller is generating events with older timestamps it can be difficult to determine the date range of collected events in an archive.
1-NCK8TT	Operator Security	Operator Management service may terminate when adding a Windows group with a long name, if server has a long FQDN.
1-TMLL6H	DSPLY	A point parameter number pair in the server database cannot be used for a container point.
1-TOW0BF	OPC	When an OPC controller is failed through its diagnostic item the associated points are not marked as bad.
1-YG9Z11	OPC	If the Refresh Interval is set to 0 (disabled) and a group goes marginal, it never recovers as OK, even if all items are being transferred correctly.
1-V3T43L	DSPLY	HOUR AVG key does not navigate to the group history display when on a group display.
1-YOWFG5	Integration	Microsoft Excel Data Exchange shows an error dialog when being installed with Microsoft Office 2013.
1-XWL5N7	OPC Integrator	OPC Integrator does not perform group diagnostic or refreshes if the system time is shifted backwards.
1-YOWDE9	SCADA	Demand scans of PV are performed during startup if AKDESTIN is defined.
1-Y1WLZ0	OPC	ACM manager client incorrectly displays engineering unit for status points.
1-PRMAUH	Universal Modbus Interface	Enhancement to support history backfill for the HC900 Universal Modbus Interface.
1-10GR8X1	Displays	<b>History backfill</b> tab is added in server wide settings display
1-TQK15P	ODBC Driver	Experion ODBC Driver to include the TPN Event Type for TPS events for AEA and PHD.
1-Y2CK7V	Reports	Enhance the Point Attribute Report to generate a list of IOChannels that are inactive.
1-ZJTIH3	OPC	Experion OPC AE Server to include the TPN Event Type for TPS events.
1-ZJY4GS	Printing	Single line event printing to optionally include Asset and TPN Event Type for TPS events.

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