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# СИСТЕМЫ УПРАВЛЕНИЯ

## Руководство пользователя

### на Experion PKS R511

## INTRODUCTION

## 1.1 About this document

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

## 1.1.1 Revision history

Revision	Date	Description
A	October 2020	Initial release of the document.

## 1.2 About this Tools and Controller Hotfix release

Experion PKS R511.3 Tools and Controller Hotfix3 addresses issues requested since the release of Experion PKS R511.3.

**ATTENTION**

Experion R511.3 Tools and Controller Hotfix3 must be installed only on systems where the R511.3 Server Patch1 is installed.

## 1.2.1 Resolved PARs in this Hotfix

PAR	Impact	Subsystem	Description
1-C8DFBPU	Engineering/Configuration	Control Builder-Listview	Values not displayed for various parameters in the listview when CPM is checked into QVCS.
1-C8TGEF6	Engineering/Configuration	Control Builder-Bulk Build/Edit	Create bulk edit doesn't read/write the SCM/RCM parameter OP [1].SRCEXP.
1-AU7FMDT	Engineering/Configuration	EBM-Tools	When master recipe is loaded, map block newly added to an associated unit class cannot be deleted.

PAR	Impact	Subsystem	Description
1-CAULHA1	Engineering/Configuration	IXP-Import Export	Provide IXP Support for overwriting CBT.
1-BBMTAPX	Engineering/Configuration	Control Builder	IXP drops impossible connections during import but indicates success.
1-CBMQUUF	System Stability	CEUOC-Platform	Unexpected UOC failure due to DLR ring fault causing low CPU free.
1-C9L0T2X	Usability	Control Builder-Batch	Validate master recipe derived user defined template change parent to system template.
1-B1YONAD	Engineering/Configuration	QVCS	ERDB corruption after break in relationship with parent.
1-C8PRYLO	Engineering/Configuration	Control Builder-Listview	List view selection list enhancements.
1-CXDKZBR	System Stability	Control Functions - Batch	vUOC crash as a result of multiple nested transactions.
1-D0DKVMH	Migration	EIP-CEE-EMBEDDED	EIP I/O connection leak causes UOC- EIP communication errors after controller OPM.
1-CVXCFE0	System Stability	CEUOC-Platform	Memory leak in UOC limits runtime to approximately 800 days.
1-D9A08I3	Engineering/Configuration	EBM-Tools	When importing a unit instance the NUMPARAMREF, NUMFNCREF and NUMBLKREF parameters should be ignored.
1-CP9S3JP	Engineering/Configuration	CCL	FREEZE function block INITOPT not working as intended.
1-D2BLGMY	Engineering/Configuration	Control Functions - Batch	CEE phase overloaded with modules when phase is configured with -1.
1-CWOMLGT	System Stability	I/O-Series C	UIO-1 hard fail and causes loss of communications with the IOLink resulting in loss of control.
1-D57QCK3	Usability	Control Functions - Batch	JUMP functionality from Procedure Explorer is not working if Lookahead feature not enabled in CEE.
1-CVXZBY8	Engineering/Configuration	Control Builder-Change Parent	After change parent of a versioned strategy, revert to previous versions is blocked.
1-CONFQL5	Engineering/Configuration	EIP-COMMUNICATION	Duplicate entry is created for IO modules on reload after switchover.
1-DAMHAVD	System Stability	EIP-COMMUNICATION	EIP devices drop connection momentarily on UOC switchover.

## 1.2.2 Known issues

PAR	Description
1-D5UESM9	<p><b>Error indication:</b>None.</p> <p><b>Description:</b> As part of List view enhancement, the search of tag in the Control Builder search pane, must only highlight the chart items (CM, SCM). Prior to this enhancement, if CM or SCM name was entered in search pane, the CM / SCM chart was opening. In the tree, the tag would be highlighted in grey color and for the non chart items like the controller, IO , the properties page would be opened as existing.</p> <p>During the test, it was observed that when a CM / SCM name is entered in search pane, the chart was not opening but was highlighted in grey color. Highlight in blue color to make it more visible as expected.</p> <p><b>Recovery:</b> Not applicable.</p> <p><b>Workaround:</b> None.</p>
1-D2C1RYR	<p><b>Error indication:</b>None.</p> <p><b>Description:</b> Selection list in List view is introduced as part of enhancement. When the custom selection list is invoked, the Toggle list view between Project and Monitoring option is disabled.</p> <p><b>Recovery:</b>Not applicable.</p> <p><b>Workaround:</b> Navigate to list view in Monitoring Side or Project Side manually and invoke selection list.</p>
1-D1Z399V	<p><b>Error indication:</b> Cannot read Block reference from database error during revert label operation.</p> <p><b>Description:</b> Revert to Label shows an error when a block gets added to the object in the reverted version.</p> <p><b>Recovery:</b>Not applicable.</p> <p><b>Workaround:</b> None.</p>
1-DEHKWJB	<p><b>Error indication:</b> JUMP operation performed in Procedure explorer times out with error "Error setting activity. Command to Resume - TIMEOUT".</p> <p>Also the following errors were observed while setting the Mode attribute "Error setting ModeAttr to Operator" or while setting the mode to a Single step - "Error setting Mode to Single Step".</p> <p><b>Description:</b> JUMP operation in Procedure Explorer fails with different errors and timeouts.</p> <p><b>Recovery:</b>Not applicable.</p> <p><b>Workaround:</b></p> <ol style="list-style-type: none"> <li>1. Perform the same operation again after acknowledging the error.</li> <li>2. If you still face the same issue, close and reopen the Procedure Explorer and try it again.</li> </ol>

## 1.2.3 Limitations

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

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

### 1.3.1 Prerequisites

Experion PKS R511.3 Tools and Controller Hotfix3 must be installed on a node on which Experion PKS R511.3 is installed.

- R511.3
- R511.3 Tools and Controllers Hotfix1
- R511.3 Tools and Controllers Hotfix2

The installer displays an error message if the earlier mentioned prerequisites are not met. To verify the present version, perform the following procedure.

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

#### NOTE

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

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

#### NOTE

If the following line is present, the node has the appropriate product version to install this Hotfix.

- +Experion PKS R511.3 Install completed on MM/DD/ YYYY,HH:MM:SS AM/PM.
- +Experion PKS R511.3 Tools and Controller Hotfix1 Install completed on MM/DD/ YYYY,HH:MM:SS AM/PM.
- +Experion PKS R511.3 Tools and Controller Hotfix2 Install completed on MM/DD/ YYYY,HH:MM:SS AM/PM.

## 1.3.2 Upgrade checklist

### Upgrading to Experion PKS R511.3 Tools and Controller Hotfix3

Task	Reference
Check the applicable nodes.	Refer to the section <a href="#">Applicable nodes</a> in this SCN.
Install Experion PKS R511.3 Tools and Controller Hotfix3 on the applicable nodes.	Refer to the section <a href="#">Experion PKS R511.3 Tools and Controller installation</a> in this SCN.

## 1.3.3 Applicable nodes

This Experion PKS R511.3 Tools and Controller Hotfix3 is applicable for the following nodes.

Sl.No.	Node			
		HF3	HF2	HF1
1	Application Server (EAS)			
2	Application Control Environment (ACE)	Y		
3	Application Control Environment TPN Connected (ACET)	Y	Y	
4	Console Station (ES-C)	Y		
5	Console Station TPN Connected (EST)	Y	Y	Y
6	Console Extension Station (ES-CE)			
7	Experion Collaboration Station			
8	Experion Server (ESV)	Y		
9	eServer			
10	Experion Server TPN Connected (ESVT)	Y	Y	Y
11	Experion HiWay Gateway (EHG)			
12	Experion Application node (E-APP)			
13	Flex Station (ES-F)	Y		
14	Simulation Control Environment (SCE)			
15	ELCN History Module (HM)			
16	ELCN Universal Embedded Appliance (UEA) Enhanced Network Interface Module (ENIM)			Y
17	ELCN Universal Virtual Appliance (UVA) ENIM			Y
18	ELCN UEA Experion Hiway Bridge (EHB)			Y

Sl.No.	Node			
		HF3	HF2	HF1
19	ELCN UVA EHB			Y
20	ELCN UEA Enhanced Programmable Logic Controller Gateway ( EPLCG)			Y
21	ELCN UEA Network Gateway (NG)			Y
22	ELCN UVA NG			Y

### 1.3.4 Applicable modules

The Experion PKS R511.3 Tools and Controller Hotfix3 is applicable for the following modules.

Sl.No.	Module			
		HF3	HF2	HF1
1	CF9			
2	C200CPM			
3	C200E Controller	Y		
4	C300 Controller	Y		
5	Fieldbus Interface Module			
6	Fieldbus Interface Module 4			
7	Fieldbus Interface Module 8			
8	Fault Tolerant Ethernet Bridge Module			
9	IO Link Interface Module			
10	I/O Module	Y		
11	Legacy I/O Link Module			
12	PROFIBUS Gateway Module 2	Y		
13	Enhanced Network Interface Module (ENIM)		Y	Y
14	Enhanced Network Bridge (ENB)			
15	Enhanced High-Performance Process Manager (EHPM)		Y	
16	Enhanced Logic Manager Module (ELMM)			
17	Low Level Analog Module (LLAI)			
18	Unit Operations Controller (UOC)	Y		
19	UEA Bridge	Y	Y	Y
20	UEA Node	Y	Y	Y

Sl.No.	Module	HF3	HF2	HF1
		21	Virtual Unit Operations Controller (vUOC)	Y
22	ELCN UEA NG	Y	Y	Y
23	ELCN UVA NG	Y	Y	Y
24	Ethernet Interface Module (EIM)	Y		

### 1.3.5 Supported controller migration paths

#### NOTE

Be aware that depending on the release timing, this hotfix may contain improvements that are not available in a supported migration path on the same Major Release of Experion PKS. For example: Installing Rxxx.y HotfixN may prevent an update to Rxxx.z

The following controller migration path is supported for Experion PKS R511.3 Tools and ControllerHotfix3.

Sl.No.	Controller path
1	Experion PKS R511.3
2	Experion PKS R511.3 HF1
3	Experion PKS R511.3 HF2

### 1.3.6 Copying Experion PKS R511.3 Tools and Controller Hotfix3 installation files

Perform the following steps before installing the Hotfix.

1. Copy the Experion PKS R511.3 Tools and Controller Hotfix3.zip file to a temporary folder on your hard disk.

#### TIP

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

2. Extract the Experion PKS R511.3 Tools and Controller Hotfix3.zip file.
3. Copy the extracted files to a temporary folder on your hard disk.

#### ATTENTION

If you have installed the Whitelisting application, ensure to follow the procedure mentioned in the *Whitelist Implementation Guide* prior to the Hotfix installation.

4. Perform the following to download and deploy the virtual firmware.



**ATTENTION**

You must access the Honeywell Process Solutions website from a secured computer, rather than from a node within the Experion system.

- a. You can download and deploy the virtual firmware available at this link.
- b. In the Save as dialog box, in the Folder pane, choose a folder, and then the location in that selected folder where you want to save the file.
- c. Click **Save**.

For details on deploying the virtual firmware on a ELCN Virtual Appliance node, refer the following sections in the *Experion LCN Overview and Implementation Guide*.

- Installing ELCN Universal Virtual Appliance using OVA Template.
- Deploying the OVF Template Manually.

## 1.4 Before you install this software upgrade

Before installing this software, you must review the latest known issues documented as Knowledge Base Articles, and download the latest documentation available on the [Honeywell Process Solutions website](#)

### 1.4.1 To download the Knowledge Base Articles

Perform the following steps to download the Knowledge Base Articles:

1. Go to [Honeywell Process Solutions website](#)
2. Login using the required credentials.
3. Click **SUPPORT** tab.
4. Click **RECENTLY PUBLISHED** tab for the latest articles.
5. Click on Article ID to view and download the article.
6. To download the older articles, type the keyword of the required article and press **Enter**.
7. Click on the article name to view and download the article.

### 1.4.2 To download the latest documentation

Perform the following steps to download the latest documentation:

1. Go to [Honeywell Process Solutions website](#)
2. Login using the required credentials.
3. Click **SUPPORT** tab.
4. Click **Latest Documentation** under **LATEST SUPPORT FILES** for recently published documents.
5. Click on required document to download.
6. To download the older documents, type the keyword of the required document and press **Enter**.
7. Click on the required document to download.

**1.5 Change impact**

**1.5.1 Control change impact**

Not Applicable.

**1.5.2 Operational change impact**

Not applicable.

**1.5.3 Infrastructural change impact**

Not Applicable.

## EXPERION PKS R511.3 TOOLS AND CONTROLLER HOTFIX3 INSTALLATION

### 2.1 Installing the Hotfix on a non-redundant server

#### 2.1.1 Prerequisites

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. Both the Experion Backup and Restore and the DVM Logger service, if present, must be disabled.

**ATTENTION**

You must enable the services after completing the procedure.

5. Ensure that there are no active ERDB locks and clear them if it exists.
  - a. Ensure that you are logged on to the server using an account that is part of Product Administrator's group.
  - b. Launch configuration studio and connect to the server where you are planning to install the point release. Launch the dbadmin tool by selecting the Administer the Control strategy Database in Control Strategy section.
  - c. In the **dbadmin** tool, browse to **Console Root / DbAdmin / ERDB Active Locks**.
  - d. If there are active locks listed in the right pane, select **Clear All Locks** under **Action** in the menu bar to clear the lock.
6. Close all running applications.

## 2.1.2 Installing the Hotfix

1. Log on to the server using an account that is part of both the Windows Administrators and the Product Administrators group.
2. Browse to the folder containing the patch installer.
3. Right-click Experion PKS R511.3 Tools and Controller Hotfix3 and then click **Run as Administrator**.
4. If a **User Control Account** dialog box is displayed, click **Yes** to continue.

A message appears displaying "**Experion PKS R511.3 Tools and ControllerHotfix3**" installed **successfully**.
5. Click **OK**.
6. Restart the system.

## 2.1.3 Validating the hotfix installation

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:

**++Experion PKS R511.3 Tools and Controller Hotfix3 Install completed on MM/DD/YYYY  
HH:MM:SS AM/PM**

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

## 2.1.4 Post-installation tasks

1. Restart the server and log on as Windows Administrator and Product Administrator.
2. Launch the **Station**.
3. From Station or Control Builder, enable all the Checkpoint tasks.

## 2.2 Installing the patch on redundant servers

### NOTE

For redundant servers, you must first install the Hotfix on Server B and then on Server A.

### 2.2.1 Installing the Hotfix on Server B

#### Prerequisites

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.
  - 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 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. Ensure that there are no active ERDB locks and clear them if it exists.
  - a. Ensure that you are logged on to the server using an account that is part of Product Administrator's group.
  - b. Launch **Configuration Studio** and connect to the server where you are planning to install the point release. Launch the dbadmin tool by selecting the Administer the Control strategy Database in Control Strategy section.
  - c. In the **dbadmin** tool, browse to **Console Root / DbAdmin / ERDB Active Locks**.
  - d. If there are active locks listed in the right pane, select **Clear All Locks** under **Action** in the menu bar to clear the lock.
8. 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.
9. 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.
10. Close all running applications.

## Installing the Hotfix

1. Log on to the server using an account that is part of both the Windows Administrators and the Product Administrators group.
2. Browse to the folder containing the patch installer.
3. Right-click Experion PKS R511.3 Tools and Controller Hotfix3 and then click **Run as Administrator**.
4. If a **User Control Account** dialog box is displayed, click **Yes** to continue.

A message appears displaying "**Experion PKS R511.3 Tools and ControllerHotfix3**" installed **successfully**.
5. Click **OK**.
6. Restart the system.

## Validating the hotfix installation

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:  
**++Experion PKS R511.3 Tools and Controller Hotfix3 Install completed on MM/DD/YYYY  
HH:MM:SS AM/PM**  
If the above line is present, it indicates that the installation is successful.

## Post-installation tasks

1. Restart the server and log on as Windows Administrator and Product Administrator.
2. Launch the **Station**.
3. If the servers are not synchronized, click **Synchronize**.

4. Click **Manual Failover**. The server failover takes place.

**ATTENTION**

Server B becomes primary.

## 2.2.2 Installing the Hotfix on Server A

### Prerequisites

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. If the servers are not synchronized, click **Synchronize**.
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.

### Installing the Hotfix

1. Log on to the server using an account that is part of both the Windows Administrators and the Product Administrators group.
2. Browse to the folder containing the patch installer.
3. Right-click Experion PKS R511.3 Tools and Controller Hotfix3 and then click **Run as Administrator**.
4. If a **User Control Account** dialog box is displayed, click **Yes** to continue.  
A message appears displaying "**Experion PKS R511.3 Tools and ControllerHotfix3**" installed **successfully**.
5. Click **OK**.
6. Restart the system.

### Validating the hotfix installation

1. Using Notepad, open the **ProductVersion.txt** file located in the following path.  
<%User selected path%>\HoneywellExperion PKS (for example, C:\Program Files (X86)\Honeywell\Experion PKS)

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

**++Experion PKS R511.3 Tools and Controller Hotfix3 Install completed on MM/DD/YYYY  
HH:MM:SS AM/PM**

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

## Post-installation tasks

1. Restart the server and log on as Windows Administrator and Product Administrator.
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. Launch the **Station**.
  5. If the servers are not synchronized, click **Synchronize**.
  6. Click **Manual Failover**. The server failover takes place.

### ATTENTION

Server A becomes primary.

7. If the servers are not synchronized, click **Synchronize**.
8. From Station or Control Builder, enable all the Checkpoint tasks.

## 2.3 Installing the Hotfix on Console/Flex/Console Extension station

### 2.3.1 Prerequisites

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. Both the Experion Backup and Restore and the DVM Logger service, if present, must be disabled.

**ATTENTION**

You must enable the services after completing the procedure.

5. Close all running applications.

## 2.3.2 Installing the Hotfix

1. Log on to the server using an account that is part of both the Windows Administrators and the Product Administrators group.
2. Browse to the folder containing the patch installer.
3. Right-click Experion PKS R511.3 Tools and Controller Hotfix3 and then click **Run as Administrator**.
4. If a **User Control Account** dialog box is displayed, click **Yes** to continue.

A message appears displaying "**Experion PKS R511.3 Tools and ControllerHotfix3**" installed **successfully**.
5. Click **OK**.
6. Restart the system.

## 2.3.3 Validating the hotfix installation

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:

**++Experion PKS R511.3 Tools and Controller Hotfix3 Install completed on MM/DD/YYYY  
HH:MM:SS AM/PM**

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

## 2.3.4 Post-installation tasks

Restart the applications as required.

## 2.4 Migrating controllers

### 2.4.1 Upgrading the firmware

**ATTENTION**

Ensure that you upgrade the Experion-integrated EHPM Firmware before running ELCN Database Import Utility.

**ATTENTION**

DO NOT use CTools or Control Migration Wizard (CMW) to upgrade Experion-integrated EHPM firmware, instead use the Standalone EPA tool distributed with TPN release "Utilities and Load Modules" (ULM) media. To upgrade Experion-integrated EHPM firmware using the Standalone EPA tool, see section "Migration from Experion - integrated (BOOT and APP) firmware to newer Experion releases" in the *Customer Release Guide (CRG-R688)* or later.

## 2.4.2 Firmware revision

Module	Module number	Firmware files
C200E	C200E	cee50e.pcm cpmboote.pcm
C300	C300	c300.lcf c300app2.pcm c300app2_20.pcm c300app2_ehb.pcm c300app3.pcm c300app3_20.pcm c300boot2.pcm c300boot2_20.pcm c300boot2_ehb.pcm c300boot2x.pcm c300boot2x_20.pcm c300boot2x_ehb.pcm c300boot3.pcm c300boot3_20.pcm PCNT02.lcf
UOC	UOC	uocrecovery_cpm_fte_hsrprp_tracker_signed_prod.pkg uocprocess_cpm_fte_hsrprp_tracker_signed_prod.pkg
EIM	EIM	eim61850_eim2_fte_hsrprp_signed_product.pkg eimeip_eim2_fte_hsrprp_signed_product.pkg eimrecovery_eim2_fte_hsrprp_signed_product.pkg
Series CIO	Series CIO	uio_5_00_16.s28 uioboot_5_00_03.s28
UEA	UEA	<b>ELCN Bridge</b> ueaelcn_brg_uea2_fte_signed_prod.pkg <b>ELCN Node</b> ueaelcn_node_uea2_fte_rdn_dl_signed_prod.pkg

Module	Module number	Firmware files
UVA	UVA	<b>ELCN Node</b> public_profile.json VirtualELCNAppliance.ova VMWare-dev.ova <b>ELCN Node NG</b> public_profile.json VirtualELCNAppliance_NG.ova

## 2.5 Files added or replaced by the Hotfix

### ATTENTION

The UTC offset for the timestamp noted for the files is UTC+05:30.

The files that are added or replaced are found in the following path:

#### For C200E:

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\System\Firmware\Controllers\c200e\R511.1.364).

File Name	Size	Date	Time	File Version
cee50e.pcm	3,807 KB	9/17/2020	3:31 PM	EXP511.1-42.364
cpmboote.pcm	1,188 KB	9/17/2020	3:28 PM	EXP511.1-42.364

#### For C300:

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\System\Firmware\Controllers\C300\R511.1.364).

File Name	Size	Date	Time	File Version
c300.lcf	5 KB	1/31/2019	11:28 PM	-
c300app2.pcm	7,995 KB	9/17/2020	6:38 PM	EXP511.1-42.364
c300app2_20.pcm	8,351 KB	9/17/2020	6:48 PM	EXP511.1-42.364
c300app2_ehb.pcm	8,496 KB	9/17/2020	3:38 PM	EXP511.1-42.364
c300app3.pcm	9,242 KB	9/17/2020	3:33 PM	EXP511.1-42.364
c300app3_20.pcm	8,362 KB	9/17/2020	3:32 PM	EXP511.1-42.364
c300boot2.pcm	3,991 KB	9/17/2020	3:39 PM	EXP511.1-42.364
c300boot2_20.pcm	3,991 KB	9/17/2020	3:41 PM	EXP511.1-42.364
c300boot2_ehb.pcm	3,991 KB	9/17/2020	3:42 PM	EXP511.1-42.364
c300boot2x.pcm	3,303 KB	9/17/2020	3:40 PM	EXP511.1-42.364
c300boot2x_20.pcm	3,303 KB	9/17/2020	3:41 PM	EXP511.1-42.364

File Name	Size	Date	Time	File Version
c300boot2x_ehb.pcm	3,303 KB	9/17/2020	3:43 PM	EXP511.1-42.364
c300boot3.pcm	3,303 KB	9/17/2020	3:33 PM	EXP511.1-42.364
c300boot3_20.pcm	3,303 KB	9/17/2020	3:34 PM	EXP511.1-42.364
PCNT02.lcf	3 KB	1/31/2019	11:28 PM	-

**For UOC:**

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\System\Firmware\Controllers\UOC\EXP511.1-42.364\EXP511.1-42.364\Recovery).

File Name	Size	Date	Time	File Version
uocrecovery_cpm_fte_hsrprp_tracker_signed_prod.pkg	10,526 KB	10/9/2020	1:28 PM	EXP511.1-42.364

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\System\Firmware\Controllers\UOC\EXP511.1-42.364\EXP511.1-42.364\UOC).

File Name	Size	Date	Time	File Version
uocprocess_cpm_fte_hsrprp_tracker_signed_prod.pkg	14,867 KB	10/9/2020	6:33 PM	EXP511.1-42.364

**For EIM:**

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\System\Firmware\EIM\EXP511.1-42.364\EXP511.1-42.364\61850).

File Name	Size	Date	Time	File Version
eim61850_eim2_fte_hsrprp_signed_product.pkg	11,208 KB	12:38 PM	9/20/2020	EXP511.1-42.364

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\System\Firmware\EIM\EXP511.1-42.364\EXP511.1-42.364\EIP).

File Name	Size	Date	Time	File Version
eimeip_eim2_fte_hsrprp_signed_product.pkg	10,733 KB	8:57 PM	9/20/2020	EXP511.1-42.364

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\System\Firmware\EIM\EXP511.1-42.364\EXP511.1-42.364\Recovery).

File Name	Size	Date	Time	File Version
eimrecovery_eim2_fte_hsrprp_signed_product.pkg	10,413 KB	9:24 AM	9/20/2020	EXP511.1-42.364

**For Series CIO:**

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\System\Firmware\SeriesCIO\UIO\FW\_5.00).

File Name	Size	Date	Time	File Version
uio_5_00_16.s28	516 KB	7/31/2020	9:40 AM	-

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\System\Firmware\SeriesCIO\UIO\BOOT\FW\_5.00).

File Name	Size	Date	Time	File Version
uioboot_5_00_03.s28	862 KB	7/31/2020	9:32 AM	-

**For UEA firmware for ELCN Bridge:**

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\System\Firmware\UEA\EXP511.1-42.364\EXP511.1-42.364\ELCN\_BRG).

File Name	Size	Date	Time	File Version
ueaelcn_brg_uea2_fte_signed_prod.pkg	10,957 KB	9/20/2020	11:07 AM	EXP511.1-42.364

**For UEA firmware for ELCN Node:**

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\System\Firmware\UEA\EXP511.1-42.364\EXP511.1-42.364\ELCN\_NODE).

File Name	Size	Date	Time	File Version
ueaelcn_node_uea2_fte_rdn_dl_signed_prod.pkg	11,714 KB	9/20/2020	4:00 PM	EXP511.1-42.364

**For PatchDB:**

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\PatchDB).

File Name	Size	Date	Time	File Version
BTImportKey.vbs	1 KB	3/23/2009	8:15 PM	-

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\PatchDB\epks\_emdb).

File Name	Size	Date	Time	File Version
projtype	1 KB	2/17/2006	8:37 PM	-
service	1 KB	2/17/2006	8:37 PM	-

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywells\Experion PKS\Engineering Tools\PatchDB\epks\_emdb\51103).

File Name	Size	Date	Time	File Version
patchdb_blocktype.sl	1 KB	1/9/2020	8:08 PM	-
patchdb_sql_query	16 KB	1/9/2020	8:08 PM	-
patchdb_strategy.sl	1 KB	2/5/2020	5:02 AM	-
version	1 KB	1/10/2020	9:51 PM	-

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywells\Experion PKS\Engineering Tools\PatchDB\epks\_emdb\214).

File Name	Size	Date	Time
patchdb_blocktype.sl	1 KB	7/19/2019	11:56 AM
patchdb_sql_query	1 KB	7/19/2019	11:56 AM
patchdb_strategy.sl	1 KB	7/19/2019	11:56 AM
version	1 KB	7/19/2019	11:56 AM

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\PatchDB\ps\_erdb).

File Name	Size	Date	Time	File Version
projtype	1 KB	9/28/2015	7:48 PM	-
service	1 KB	9/28/2015	7:48 PM	-

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\PatchDB\ps\_erdb\51103).

File Name	Size	Date	Time	File Version
patchdb_blocktype.sl	30 KB	8/13/2020	11:35 PM	-
patchdb_sql_query.sql	129 KB	8/12/2020	1:29 AM	-
patchdb_strategy.sl	0 KB	12/10/2019	7:15 PM	-
version	1 KB	4/1/2020	6:56 PM	-

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\PatchDB\ps\_erdb\5110302).

File Name	Size	Date	Time	File Version
patchdb_blocktype.sl	18 KB	8/27/2020	6:41 PM	-
patchdb_sql_query.sql	1 KB	8/14/2020	8:59 PM	-
patchdb_strategy.sl	1 KB	8/14/2020	9:00 PM	-
version	1 KB	8/14/2020	9:03 PM	-

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\PatchDB\ps\_erdb\5110303).

File Name	Size	Date	Time	File Version
patchdb_blocktype.sl	2 KB	10/9/2020	7:12 PM	-
patchdb_sql_query.sql	1 KB	10/9/2020	3:09 PM	-
patchdb_strategy.sl	1 KB	10/9/2020	3:09 PM	-
version	1 KB	10/9/2020	8:35 PM	-

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\PatchDB\VersionControl\51103).

File Name	Size	Date	Time	File Version
patchdb_blocktype.sl	1 KB	1/9/2020	8:13 PM	-
patchdb_sql_query.sql	49 KB	3/31/2020	11:32 AM	-
patchdb_strategy.sl	1 KB	2/5/2020	5:01 AM	-
version	1 KB	4/1/2020	6:58 PM	-

**For CLEAN\_DATABASE:**

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\System\ER\CLEAN\_DATABASE).

File Name	Size	Date	Time	File Version
ps_erdb_clean.bak	386,163 KB	10/9/2020	8:44 PM	-

**For cep\_products:**

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\System\ER\MigrateBlocks\SystemBlocks\cep\_products)

File Name	Size	Date	Time	File Version
downlink_params.inc	37 KB	8/13/2020	11:34 AM	-

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\System\ER\MigrateBlocks\SystemBlocks\cep\_products\EIM)

File Name	Size	Date	Time	File Version
EIM.inc	41 KB	8/13/2020	11:34 AM	-
EIM_pb.arr	5 KB	8/13/2020	11:34 AM	-

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\System\ER\MigrateBlocks\SystemBlocks\cep\_products\UOC)

File Name	Size	Date	Time	File Version
UOC.inc	55 KB	8/13/2020	11:34 AM	-
UOC_pb.arr	5 KB	8/13/2020	11:34 AM	-
VUOCcond.inc	12 KB	8/13/2020	11:35 AM	-



**For RC:**

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\RC\ENU).

File Name	Size	Date	Time	File Version
cb_rc.dll	2,711 KB	9/20/2020	11:38 AM	EXP511.1-42.364
ERR_TPS.dll	758 KB	9/16/2020	6:08 PM	EXP511.1-42.364
lxpDlgs_dll_rc.dll	2,112 KB	9/16/2020	9:28 AM	EXP511.1-42.364

**For Bin:**

<%User selected path%>\Honeywell\Experion PKS (For example: C:\Program Files (x86)\Honeywell\Experion PKS\Engineering Tools\System\Bin).

File Name	Size	Date	Time	File Version
ACE	3,055 KB	9/16/2020	8:10 AM	-
C200EFBEE0.dll	2,276 KB	9/16/2020	7:05 AM	-
CAB.dll	360 KB	9/16/2020	8:54 AM	-
cdb.dll	313 KB	9/16/2020	8:55 AM	-
CEEC300FBEE1.dll	3,669 KB	9/16/2020	8:49 AM	-
cm.dll	730 KB	9/16/2020	7:51 AM	-
contbldr	5,304 KB	9/20/2020	11:15 AM	-
lxpDlgs.dll	603 KB	9/16/2020	6:08 PM	-
ixpdll.dll	2,175 KB	9/16/2020	6:07 PM	-
lib.ocx	5,346 KB	9/16/2020	5:23 PM	-
map.dll	255 KB	9/16/2020	7:36 AM	-
PHASE.dll	356 KB	9/16/2020	7:32 AM	-
scmstep.dll	192 KB	9/16/2020	8:42 AM	-
VCSLIB.dl	713 KB	9/16/2020	5:29 AM	-
ver_rev	572 KB	10/5/2020	4:19 PM	-

## EXPERION PKS R511.3 TOOLS AND CONTROLLER HOTFIX3 UNINSTALLATION

### 3.1 Uninstalling the Hotfix on non-redundant server

#### 3.1.1 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. **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. Both the Experion Backup and Restore and the DVM Logger service, if present, must be disabled.

**ATTENTION**

You must enable the services after completing the procedure.

5. Close all running applications.
6. Perform the following steps to stop services.
  - a. Launch the **Experion PKS Services Control Panel**.  
The **Experion PKS Services Control Panel** appears.
  - b. Select **Stop All Services** and then click **OK**.
  - c. After stopping all the services, close the **Experion PKS Services Control Panel**.

### 3.1.2 Uninstalling the hotfix

1. Ensure that you are logged on using an account that is part of both the Windows Administrators and Product Administrators group.
2. Launch the **Maintenance Tool**.
3. Right-click and then click **Run as Administrator**.
4. Click **Yes** in the **User Account Control** dialog box.
5. Click **View/Uninstall Experion Updates**.  
A list of Hotfixes installed on the node is displayed in the Maintenance Tool.
6. Click **Remove** to uninstall the Experion PKS R511.3 Tools and Controller Hotfix3.  
A dialog box displays **Please review the SCN associated with this patch uninstall to determine what manual actions are necessary before continuing. Do you want to continue?**
7. If the required tasks to remove the Hotfix are complete, click **OK**, else complete the required tasks and repeat step 1 through step 5.  
After successful removal of Hotfix, a dialog box is displayed to confirm the removal of Hotfix.
8. Click **OK**.
9. Click **Exit** to close the Maintenance Tool.

### 3.1.3 Validating the hotfix uninstallation

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:  
**-- Experion PKS R511.3 Tools and Controller Hotfix3 removed on DD/MM/YYYY HH:MM:SS AM/PM**  
If the above line is present, it indicates that the Hotfix removal is successful.

### 3.1.4 Post-uninstallation tasks

1. Restart the server and log on as Windows Administrator and Product Administrator.
2. Launch the **Station**.

3. Rebuild all the Checkpoints.  
For more information about rebuilding the checkpoints, refer to the Control Building User's Guide.
4. Perform a manual **Checkpoint Save** on all the nodes.
5. From Station or Control Builder, enable all the Checkpoint tasks.

## 3.2 Uninstalling the Hotfix from the redundant servers

### NOTE

For redundant servers, you must first remove the Hotfix from Server B and then from Server A.

### 3.2.1 Uninstalling from Server B

#### 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. **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.
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 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.

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.
8. Perform the following steps to stop services.
  - a. Launch the **Experion PKS Services Control Panel**.  
The **Experion PKS Services Control Panel** appears.
  - b. Select **Stop All Services** and then click **OK**.
  - c. After stopping all the services, close the **Experion PKS Services Control Panel**.

### Uninstalling the hotfix

1. Ensure that you are logged on using an account that is part of both the Windows Administrators and Product Administrators group.
2. Launch the **Maintenance Tool**.
3. Right-click and then click **Run as Administrator**.
4. Click **Yes** in the **User Account Control** dialog box.
5. Click **View/Uninstall Experion Updates**.  
A list of Hotfixes installed on the node is displayed in the Maintenance Tool.
6. Click **Remove** to uninstall the Experion PKS R511.3 Tools and Controller Hotfix3.  
A dialog box displays **Please review the SCN associated with this patch uninstall to determine what manual actions are necessary before continuing. Do you want to continue?**
7. If the required tasks to remove the Hotfix are complete, click **OK**, else complete the required tasks and repeat step 1 through step 5.  
After successful removal of Hotfix, a dialog box is displayed to confirm the removal of Hotfix.
8. Click **OK**.
9. Click **Exit** to close the Maintenance Tool.

### Validating the hotfix uninstallation

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:  
**-- Experion PKS R511.3 Tools and Controller Hotfix3 removed on DD/MM/YYYY HH:MM:SS AM/PM**  
If the above line is present, it indicates that the Hotfix removal is successful.

### Post-uninstallation tasks

1. Restart the server and log on as Windows Administrator and Product Administrator.
2. Launch the **Station**.
3. If the servers are not synchronized, click **Synchronize**.

4. Click **Manual Failover**. The server failover takes place.

**ATTENTION**

Server B becomes primary.

## 3.2.2 Uninstalling from Server A

### 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. If the servers are not synchronized, click **Synchronize**.
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.
6. Perform the following steps to stop services.
  - a. Launch the **Experion PKS Services Control Panel**.  
The **Experion PKS Services Control Panel** appears.
  - b. Select **Stop All Services** and then click **OK**.
  - c. After stopping all the services, close the **Experion PKS Services Control Panel**.

### Uninstalling the hotfix

1. Ensure that you are logged on using an account that is part of both the Windows Administrators and Product Administrators group.
2. Launch the **Maintenance Tool**.
3. Right-click and then click **Run as Administrator**.
4. Click **Yes** in the **User Account Control** dialog box.
5. Click **View/Uninstall Experion Updates**.  
A list of Hotfixes installed on the node is displayed in the Maintenance Tool.
6. Click **Remove** to uninstall the Experion PKS R511.3 Tools and Controller Hotfix3.  
A dialog box displays **Please review the SCN associated with this patch uninstall to determine what manual actions are necessary before continuing. Do you want to continue?**

7. If the required tasks to remove the Hotfix are complete, click **OK**, else complete the required tasks and repeat step 1 through step 5.  
After successful removal of Hotfix, a dialog box is displayed to confirm the removal of Hotfix.
8. Click **OK**.
9. Click **Exit** to close the Maintenance Tool.

## Validating the hotfix uninstallation

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:  
**-- Experion PKS R511.3 Tools and Controller Hotfix3 removed on DD/MM/YYYY HH:MM:SS AM/PM**  
If the above line is present, it indicates that the Hotfix removal is successful.

## Post-uninstallation tasks

1. Restart the server and log on as Windows Administrator and Product Administrator.
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. Launch the **Station**.
  5. If the servers are not synchronized, click **Synchronize**.
  6. Click **Manual Failover**. The server failover takes place.

### ATTENTION

Server A becomes primary.

7. If the servers are not synchronized, click **Synchronize**.
8. From Station or Control Builder, enable all the Checkpoint tasks.

## 3.3 Uninstalling from Experion Application Server/ACE/ACET/Console/Flex/Console Extension station

### 3.3.1 Stopping the services

1. Log on to the server using an account that is part of both the Windows Administrators and Product Administrators group.

**ATTENTION**

Ensure that you log on with the required privileges.

2. 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.

3. Perform the following steps to stop services.
  - a. Launch the **Experion PKS Services Control Panel**.  
The **Experion PKS Services Control Panel** appears.
  - b. Select **Stop All Services** and then click **OK**.
  - c. After stopping all the services, close the **Experion PKS Services Control Panel**.
4. Close all the 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. Launch the **Start-Stop Experion PKS Server**.  
The **Start-Stop Experion PKS Server** window appears.
  - b. Select **Database Unloaded in Full mode**.
  - c. Close the **Start-Stop Experion PKS Server** window.

### 3.3.2 Uninstalling the hotfix

1. Ensure that you are logged on using an account that is part of both the Windows Administrators and Product Administrators group.
2. Launch the **Maintenance Tool**.
3. Right-click and then click **Run as Administrator**.
4. Click **Yes** in the **User Account Control** dialog box.
5. Click **View/Uninstall Experion Updates**.  
A list of Hotfixes installed on the node is displayed in the Maintenance Tool.



6. Click **Remove** to uninstall the Experion PKS R511.3 Tools and Controller Hotfix3.  
A dialog box displays **Please review the SCN associated with this patch uninstall to determine what manual actions are necessary before continuing. Do you want to continue?**
7. If the required tasks to remove the Hotfix are complete, click **OK**, else complete the required tasks and repeat step 1 through step 5.  
After successful removal of Hotfix, a dialog box is displayed to confirm the removal of Hotfix.
8. Click **OK**.
9. Click **Exit** to close the Maintenance Tool.

### 3.3.3 Validating the hotfix uninstallation

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:  
**-- Experion PKS R511.3 Tools and Controller Hotfix3 removed on DD/MM/YYYY HH:MM:SS AM/PM**  
If the above line is present, it indicates that the Hotfix removal is successful.

### 3.3.4 Post-uninstallation tasks

Restart the applications as required after reboot.

## PARS RESOLVED PRIOR TO AND IN THE CURRENT EXPERION PKS R511.3 TOOLS AND CONTROLLER HOTFIX3

### 4.1 Resolved PARs in Experion PKS R511.3 Tools and Controller Hotfix3

PAR	Impact	Subsystem	Description
1-C8DFBPU	Engineering/Configuration	Control Builder-Listview	Values not displayed for various parameters in the listview when CPM is checked into QVCS.
1-C8TGEF6	Engineering/Configuration	Control Builder-Bulk Build/Edit	Create bulk edit doesn't read/write the SCM/RCM parameter OP [1].SRCEXP.
1-AU7FMDT	Engineering/Configuration	EBM-Tools	When master recipe is loaded, map block newly added to an associated unit class cannot be deleted.
1-CAULHA1	Engineering/Configuration	IXP-Import Export	Provide IXP Support for overwriting CBT.
1-BBMTAPX	Engineering/Configuration	Control Builder	IXP drops impossible connections during import but indicates success.
1-CBMQUUF	System Stability	CEUOC-Platform	Unexpected UOC failure due to DLR ring fault causing low CPU free.
1-C9L0T2X	Usability	Control Builder-Batch	Validate master recipe derived user defined template change parent to system template.
1-B1YONAD	Engineering/Configuration	QVCS	ERDB corruption after break in relationship with parent.
1-C8PRYLO	Engineering/Configuration	Control Builder-Listview	List view selection list enhancements.
1-CXDKZBR	System Stability	Control Functions - Batch	vUOC crash as a result of multiple nested transactions.
1-D0DKVMH	Migration	EIP-CEE-EMBEDDED	EIP I/O connection leak causes UOC- EIP communication errors after controller OPM.

PAR	Impact	Subsystem	Description
1-CVXCFE0	System Stability	CEUOC-Platform	Memory leak in UOC limits runtime to approximately 800 days.
1-D9A0813	Engineering/Configuration	EBM-Tools	When importing a unit instance the NUMPARAMREF, NUMFNCREF and NUMBLKREF parameters should be ignored.
1-CP9S3JP	Engineering/Configuration	CCL	FREEZE function block INITOPT not working as intended.
1-D2BLGMY	Engineering/Configuration	Control Functions - Batch	CEE phase overloaded with modules when phase is configured with -1.
1-CWOMLGT	System Stability	I/O-Series C	UIO-1 hard fail and causes loss of communications with the IOLink resulting in loss of control.
1-D57QCK3	Usability	Control Functions - Batch	JUMP functionality from Procedure Explorer is not working if Lookahead feature not enabled in CEE.
1-CVXZBY8	Engineering/Configuration	Control Builder-Change Parent	After change parent of a versioned strategy, revert to previous versions is blocked.
1-CONFQL5	Engineering/Configuration	EIP-COMMUNICATION	Duplicate entry is created for IO modules on reload after switchover.
1-DAMHAVD	System Stability	EIP-COMMUNICATION	EIP devices drop connection momentarily on UOC switchover.

## 4.2 Resolved PARs in Experion PKS R511.3 Tools and Controller Hotfix2

PAR	Subsystem	Description
1-CXERXXT	EHPM_Tools	EHPM Display overload warning is reported for 4 seconds & cleared when RESETSTAT is turned ON.
1-CXFOZ1W	EHPM_Tools	EHPM Display overload. Alarms came up without any additions to the system.
1-D8TEJG4	ELCN-TNode	After ESVT is migrated from Experion R501.4 to R511.3 EHPM reports SOFTFAIL due to IOL Errors
RELCNTN-5076	ELCN-EHPM	PV Source for EHPM AI Channels shows always SUB in Experion Detail Displays and HMI Web Displays
RELCNTN-5305	ELCN	AO channel (EHPM template) has issue in monitoring side
RELCNTN-5336	ELCN	While configuring Slot number more than 27 error is displaying and not accepting the number for LLMUX channels if EUCN template was used.
RELCNTN-5340	ELCN	ELCN DB Import tool is not able to handle naming convention of IOMs properly when two IOMs have the same name.
1-DBI8BK5	ELCN-TNode	Some HLAI IOPs reports IOL Error when its form is opened in UET Monitoring View.

## 4.3 Resolved PARs in Experion PKS R511.3 Tools and Controller Hotfix1

PAR	Subsystem	Description
RELCN-2760	ELCN	EHPM Authentication Issue.
RELCN-2848	ELCN	When points are deleted randomly in the ENIM, unrelated points disappear from EHPM Slot Summary display.

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