

## **Profit Suite**

### **PS R412.1 EPKSR430Support Patch001**

R412.1

### **Software Change Notice**

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# Symbol Definitions

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

| Symbol  | Definition  |
|---|---|
|    | <b>ATTENTION:</b> Identifies information that requires special consideration.   |
|    | <b>TIP:</b> Identifies advice or hints for the user, often in terms of performing a task.   |
|    | <b>REFERENCE -EXTERNAL:</b> Identifies an additional source of information outside of the bookset.  |
|    | <b>REFERENCE - INTERNAL:</b> Identifies an additional source of information within the bookset.   |
| <b>CAUTION</b>  | Indicates a situation which, if not avoided, may result in equipment or work (data) on the system being damaged or lost, or may result in the inability to properly operate the process.  |
|  | <b>CAUTION:</b> Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.<br><br>CAUTION symbol on the equipment refers the user to the product manual for additional information. The symbol appears next to required information in the manual. |

**Symbol****Definition**

WARNING: Indicates a potentially hazardous situation, which, if not avoided, could result in serious injury or death.

WARNING symbol on the equipment refers the user to the product manual for additional information. The symbol appears next to required information in the manual.



WARNING, Risk of electrical shock: Potential shock hazard where HAZARDOUS LIVE voltages greater than 30 Vrms, 42.4 Vpeak, or 60 VDC may be accessible.

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# 1 Introduction

## 1.1 About the document

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

## 1.2 About the patch

This patch addresses problems and offers improvements requested since the release of Profit Suite R412.1. **This patch is installed after Profit Suite R412.1. It cannot be installed on Profit Suite R411 or prior releases.**

### 1.2.1 Problems resolved

This patch resolves the following issues.

| PAR    | Subsystem                             | Description of problem   | Description of Fix   |
|--------|---------------------------------------|--|--|
| No PAR | PSOS,<br>HMI Web APC<br>Shape Library | <p>R412 PSOS will not function in R430 and other recent EPKS releases (R410.x).</p> <ul style="list-style-type: none"> <li>• Cannot configure/load Faceplates.</li> <li>• Script error resolved in earlier releases have appeared again in HMI pages</li> <li>• Even after acknowledging the script error, PSAPPMENU is empty.</li> <li>• Safeview - cannot launch PS related pages like PSOS, PS APP Menu etc in multi window</li> </ul> <p>Problems with APC Shape Library in latest EPKS releases.</p> <p>Displayhost.exe not killed when PSOS crashes.</p> | <p>PCFaceplate configuration changes are included.</p> <p>Safety Wrapper logic changed. Object will be created based on the Station version info</p> <p>URT point creation issue is resolved by using a newer version of hsccli32.dll.</p> <p>Added Safe view Category field in PSOS html</p> <p>Changed the way the script object is created for the latest EPKS releases.</p> <p>Added Safeview category "HW_PS_PSOS" in PSOS.</p> |

| PAR | Subsystem | Description of problem | Description of Fix |
|-----|-----------|------------------------|--------------------|
|     |           |                        | Html.              |

### 1.2.2 Issues

This patch has the following known issues.

| PAR | Description  |
|-----|--|
|     | <p>“App Menu” Display<br/>           Cannot be edited from PSAppMenu.htm. Instead copy C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\AppInfo\PSHMIAppMenu.xml to a working directory and remove read-only properties. Changes can then be made in notepad and copied back to the appropriate directory.</p>      |
|     | <p>“APC Groups” Display<br/>           Cannot be edited from PSAPCGroups.htm. Instead copy C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\AppInfo\PSHMIAPCGroups.xml to a working directory and remove read-only properties. Changes can then be made in notepad and copied back to the appropriate directory</p> |
|     | <p>“Faceplate Summary” Display<br/>           Cannot be edited from PCFaceplateSummary.htm. Instead edit C:\ProgramData\Honeywell\Profit Suite\HMIWeb\PSHMIFaceplateSummary.xml in notepad.</p>  |
|     | <p>Launching HMI Face plates for CV,MV &amp; DV from Station gives script error.<br/> <i>Work around:</i> Just press OK and proceed.</p>   |

### 1.2.3 Limitations

#### 1.2.3.1 Patch removal

|                                    |   |   |
|------------------------------------|---|---|
| <input type="checkbox"/> Automatic | <input checked="" type="checkbox"/> Can be done manually during next upgrade. | <input type="checkbox"/> Must be done manually before next upgrade. |
|------------------------------------|---|---|

#### 1.2.3.2 Patch distribution

|   |                                       |
|---|---------------------------------------|
| <input checked="" type="checkbox"/> Not Limited | <input type="checkbox"/> Limited for: |
|---|---------------------------------------|

### 1.2.3.3 Localization

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

### 1.2.3.4 Cumulative patch

|  |  |
|--|--|
| <input type="checkbox"/> Yes.<br>See <a href="#">Prerequisites</a> | <input checked="" type="checkbox"/> No |
|--|--|

## 1.3 Before you begin

### 1.3.1 Prerequisites

The patch should be installed wherever Profit Suite R412 server side and client side have been installed. Please note that there is a server side and a client side update in this patch. So in addition to installing this patch on the server side, this patch should also be installed wherever R412 PSOS was installed.

### 1.3.2 Patch installation or migration checklist

| Task order | Task                 | Reference                                      |
|------------|----------------------|--|
| 1          | Prerequisites        | See section <a href="#">Prerequisites</a>      |
| 2          | Applicable nodes     | See section <a href="#">Applicable nodes</a>   |
| 3          | Installing the patch | See section <a href="#">Patch installation</a> |

### 1.3.3 Applicable nodes

This patch is applicable for the following nodes.

| Node  | Is the patch applicable? |
|---|--------------------------|
| Application Server (EAS)                              | Yes/No                   |
| Application Server (non-Honeywell)                    | Yes/No                   |
| Application Control Environment (ACE)                 | Yes/No                   |
| Application Control Environment TPN Connected (ACE-T) | Yes/No                   |
| APP Node (E-APP)                                      | Yes/No                   |
| Console Station (ES-C)                                | Yes/No                   |

| <b>Node</b>                           | <b>Is the patch applicable?</b> |
|---------------------------------------|---------------------------------|
| Console Station TPN Connected (ES-T)  | <b>Yes/No</b>                   |
| Console Extension Station (ES-CE)     | <b>Yes/No</b>                   |
| Experion Server (ESV)                 | <b>Yes/No</b>                   |
| Experion Server TPN Connected (ESVT)  | <b>Yes/No</b>                   |
| Enterprise Model Builder (EMB) Server | <b>Yes/No</b>                   |
| Enterprise Model Builder (EMB) Client | <b>Yes/No</b>                   |
| eServer                               | <b>Yes/No</b>                   |
| Flex Station (ES-F)                   | <b>Yes/No</b>                   |
| Application Client (non-Honeywell)    | <b>Yes/No</b>                   |
| Simulation Control Environment (SCE)  | <b>Yes/No</b>                   |
| Experion HiWay Gateway (EHG)          | <b>Yes/No</b>                   |

### 1.3.4 Verify the present version on the node

To verify the present version on the node, perform the following steps.

- Open Windows Explorer
- Browse to c:\ProgramData\Honeywell\Profit Suite\Install\_Logs.
- View the file ProfitSuitePatch.log

### 1.3.5 Copying and extracting the patch

Perform the following steps.

1. Copy ***PS R412.1 EPKSR430Support Patch001.zip*** to a folder on the system or systems where the patch is to be installed. For instance, the desktop or c:\temp could be used.
2. Extract ***PS R412.1 EPKSR430Support Patch001.exe*** to the same or another folder. Note the destination folder as the file will need to be executed in a future step.

## 1.4 Change impact

There will be no noticeable impact on functionality as a result of the patch except the fixing of the problems identified earlier.

### 1.4.1 Control change impact

Not applicable.

#### **1.4.2 Operational change impact**

Not applicable.

#### **1.4.3 Infrastructure change impact**

Not applicable.

## 2 Patch installation

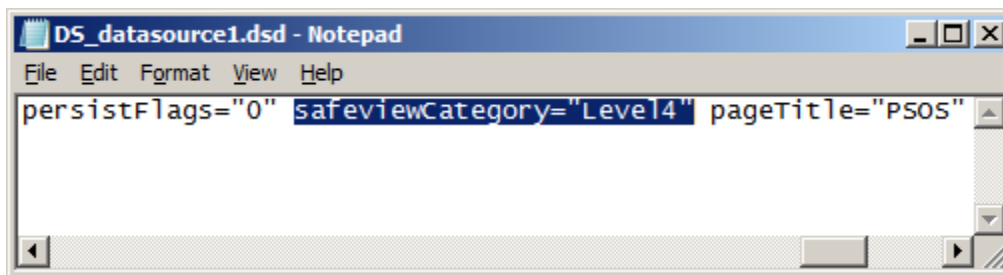
### 2.1 Installing the patch on a server node

Client side installation is very similar.

#### 2.1.1 To stop the services

1. **Log onto the server using an account that has Administrator privileges.**
2. If using Safeview and a Safeview Category with PSOS.htm on Experion Stations, confirm current Safeview Category. To confirm the Safeview Category open the following file in notepad. If these files do not exist, site is not currently leveraging a Safeview Category and this step can be skipped.

"C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\PC Pages\PSOS\_files\DS\_datasource1.dsd"



3. Use Profit Suite Operator Station to turn off all Profit Suite applications on the target computer.
4. Close all of Profit Suite programs that have user interfaces: ProfitSuite\_RuntimeStudio.exe, PSOS.exe, and UrtExplorer.exe.
5. From a Command prompt with administrator privileges, enter `PHDCTL STOP -y`. This will stop the embedded PHDServer.
6. If the patch is being installed on an EAS or other Experion node where a URT system interface is configured, it is necessary to unload the EPKS server to avoid it automatically restarting the HCI.URTOPCServer.
7. If the patch is being installed on an APP node supporting the LCN interface points, rename the `RC_Proxy.exe` and `DQ_Proxy.exe` files to `RC_Proxy.exe.1` and `DQ_Proxy.exe.1`. This will prevent the executables from running during the install. The files are located in the `<TPSPath>\Databases\CLFiles` directory.
8. Using the `stop_urt.cmd` script with Run as Administrator, shutdown the PHD RDIs and terminate the server processes associated with Profit Suite (`CoUrtPlatform.exe`, `UrtOpcServer.exe`, and `URTSERVICE.exe`). `stop_urt.cmd` is located in the `\Program Files (x86)\Honeywell\URT\Bin\Tools` directory.

### **2.1.2 To install the patch**

Double-click on the main installation file **PS R412.1 EPKSR430Support Patch001.exe** and follow the installation prompts. The install will automatically extract all the necessary distribution files, back up old files and copy new files.

### **2.1.3 To validate the patch installation**

Any issues that occur during patch installation are noted in a dialog on the screen. The most common issues involve files that are busy and cannot be overwritten. These issues are avoided by following the steps listed in 2.1.1 above.

A detailed log of the actions performed during patch installation is appended at the bottom of the file ProfitSuitePatch.log found in the folder listed below:

Windows 2008 or Windows 7: “\ProgramData\Honeywell\Profit Suite\Install\_logs\”

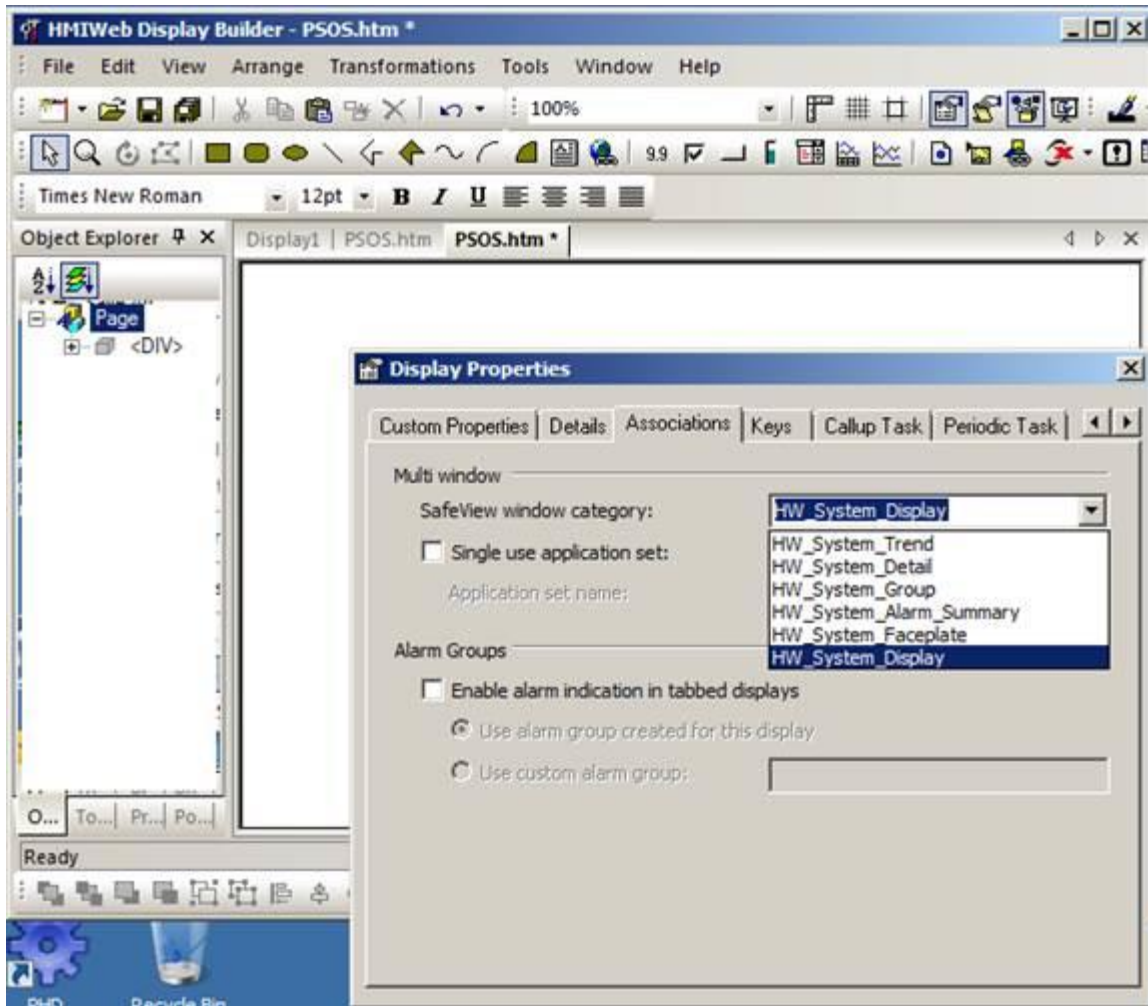
### **2.1.4 Post-installation tasks**

1. From a Command prompt, enter PHDCTL START COLD. This will perform a cold restart of the embedded PHDServer.
2. If RC\_Proxy.exe or DQ\_Proxy.exe were renamed in step 5 above, rename them to their original names.
3. If the EPKS server was unloaded, reload it.
4. If previously leveraging a Safeview Category, to restore the desired SafeView Category, these steps can be followed.

Take a backup of “C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\PC Pages\PSOS.htm” with its bound files to a user directory. This is necessary because it is not possible to re-save these files directly to the Program Files directory.

From the user directory open PSOS.htm in Experion HMIWeb and re-define the SafeviewCategory desired. Save the file and restore to the Program Files directory overwriting existing files.





## 2.2 Migrating controllers

Not applicable.

## 2.3 Troubleshooting issues during installation

Not applicable.

## 3 Patch removal

### 3.1 Removing the patch from a server node

#### 3.1.1 To stop the services

1. Use Profit Suite Operator Station to turn off all Profit Suite applications on the target computer.
2. Close all of Profit Suite programs that have user interfaces: ProfitSuite\_RuntimeStudio.exe, PSOS.exe, and UrtExplorer.exe.
3. From a Command prompt, enter PHDCTL STOP -y. This will stop the embedded PHDServer.
4. If the patch is being installed on an EAS or other Experion node where a URT system interface is configured, it is necessary to unload the EPKS server to avoid it automatically restarting the HCI.URTOPCServer.
5. If the patch is being installed on an APP node supporting the LCN interface points, rename the RC\_Proxy.exe and DQ\_Proxy.exe files to RC\_Proxy.exe.1 and DQ\_Proxy.exe.1. This will prevent the executables from running during the install. The files are located in the <TPSPath>\Databases\CLFiles directory.
6. Using the stop\_urt.cmd script, shutdown the PHD RDIs and terminate the server processes associated with Profit Suite (CoUrtPlatform.exe, UrtOpcServer.exe, and URTService.exe). stop\_urt.cmd is located in the \Program Files (x86)\Honeywell\URT\Bin\Tools directory.

#### 3.1.2 To remove the patch

After this patch has been installed, all of the files that were replaced were copied to “**backup\pre\_ PS R412.1 EPKSR430Support Patch001**” folders. The file

#### **rollback\_PS R412.1 EPKSR430Support Patch001.bat**

has been created in the folder indicated below depending on the operating system.

Windows 2008 or Windows 7: “\ProgramData\Honeywell\Profit Suite\Install\_logs\”

Running this file as administrator will restore the files to their prior state.

#### 3.1.3 To validate the patch removal

- Open Windows Explorer
- Browse to c:\ProgramData\Honeywell\Profit Suite\Install\_Logs. View the file ProfitSuitePatch.log

Note the section detailing the installation of the patch at the bottom of the file:

```
=====
PS R412.1 EPKSR430Support Patch001 installed on 11/26/2015 9:36:15 AM
Components installed:
C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\PC Pages\PCApp_fp.htm
C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\PC Pages\PCCV_fp.htm
C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\PC Pages\PCDV_fp.htm
```

C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\PC Pages\PCFaceplateConfig.htm  
 C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\PC Pages\PCFaceplateSummary.htm  
 C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\PC Pages\PCMV\_fp.htm  
 C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\PC Pages\PSAPCGroups.htm  
 C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\PC Pages\PSAppMenu.htm  
 C:\Program Files (x86)\Honeywell\Experion PKS\Client\HMIWeb Display Builder\ShapeLib\ProfitSuite\Scripts\SCRIPT\_COMMON.sha  
 C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\PC Pages\SCRIPT\_COMMON.sha  
 C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\TK Pages\SCRIPT\_COMMON.sha  
 C:\Program Files (x86)\Honeywell\Experion PKS\Client\HMIWeb Display Builder\ShapeLib\ProfitSuite\PC Shapes\PCFACEPLATE.sha  
 C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\TK Pages\TKLUFaceplateSummary.htm  
 C:\Program Files (x86)\Honeywell\Profit Suite\Products\PSOS\Honeywell.PSOS.Infra.ViewerInfrastructure.dll 412.0.0.68  
 C:\Program Files (x86)\Honeywell\URT\BIN\urtPlatformManager.dll 412.0.0.68  
 C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\PC Pages\PSOS.htm  
 C:\Program Files (x86)\Honeywell\URT\BIN\hsccli32.dll 920.0.29.0  
 C:\Program Files (x86)\Honeywell\Profit Suite\Products\PSOS\PSOS.exe 412.0.0.68  
 C:\Program Files (x86)\Honeywell\Profit Suite\Products\PSES\Honeywell.PSES.Controls.PSOSHoster.dll 412.0.0.68PS

- After rollback the versioned files should have the lower version of the files overwritten when the patch was installed.

### 3.1.4 Post-removal tasks

1. From a Command prompt, enter PHDCTL START COLD. This will restart the embedded PHDServer.
2. If RC\_Proxy.exe or DQ\_Proxy.exe were renamed in step 5 above, rename them to their original names.
3. If the EPKS server was unloaded, reload it.

## 4 Additional information

### 4.1 Additional information to validate patch installation

#### 4.1.1 Files added or replaced

The following files are added or replaced by this patch.

| Filename  | Size      | Date       | Time          |
|---|-----------|------------|---------------|
| C:\Program Files (x86)\Honeywell\Experion<br>PKS\Client\System\ProfitSuite\PC Pages\PCApp_fp.htm                                    | 94<br>KB  | 11/24/2015 | 4:44:56<br>AM |
| C:\Program Files (x86)\Honeywell\Experion<br>PKS\Client\System\ProfitSuite\PC Pages\PCCV_fp.htm                                     | 95<br>KB  | 11/24/2015 | 4:44:56<br>AM |
| C:\Program Files (x86)\Honeywell\Experion<br>PKS\Client\System\ProfitSuite\PC Pages\PCDV_fp.htm                                     | 94<br>KB  | 11/24/2015 | 4:44:56<br>AM |
| C:\Program Files (x86)\Honeywell\Experion<br>PKS\Client\System\ProfitSuite\PC Pages\PCFaceplateConfig.htm                           | 197<br>KB | 11/24/2015 | 4:45:08<br>AM |
| C:\Program Files (x86)\Honeywell\Experion<br>PKS\Client\System\ProfitSuite\PC<br>Pages\PCFaceplateSummary.htm                       | 567<br>KB | 11/24/2015 | 4:45:08<br>AM |
| C:\Program Files (x86)\Honeywell\Experion<br>PKS\Client\System\ProfitSuite\PC Pages\PCMV_fp.htm                                     | 94<br>KB  | 11/24/2015 | 4:45:08<br>AM |
| C:\Program Files (x86)\Honeywell\Experion<br>PKS\Client\System\ProfitSuite\PC Pages\PSAPCGroups.htm                                 | 488<br>KB | 11/24/2015 | 4:45:24<br>AM |
| C:\Program Files (x86)\Honeywell\Experion<br>PKS\Client\System\ProfitSuite\PC Pages\PSAppMenu.htm                                   | 337<br>KB | 11/24/2015 | 4:45:24<br>AM |
| C:\Program Files (x86)\Honeywell\Experion<br>PKS\Client\HMIWeb<br>Display<br>Builder\ShapeLib\ProfitSuite\Scripts\SCRIPT_COMMON.sha | 67<br>KB  | 11/24/2015 | 4:44:56<br>AM |
| C:\Program Files (x86)\Honeywell\Experion<br>PKS\Client\System\ProfitSuite\PC Pages\SCRIPT_COMMON.sha                               | 67<br>KB  | 11/24/2015 | 4:44:56<br>AM |
| C:\Program Files (x86)\Honeywell\Experion<br>PKS\Client\System\ProfitSuite\TK Pages\SCRIPT_COMMON.sha                               | 67<br>KB  | 11/24/2015 | 4:44:56<br>AM |

| <b>Filename</b>  | <b>Size</b> | <b>Date</b> | <b>Time</b> |
|--|-------------|-------------|-------------|
| C:\Program Files (x86)\Honeywell\Experion PKS\Client\HMIWeb Display Builder\ShapeLib\ProfitSuite\PC Shapes\PCFACEPLATE.sha | 112 KB      | 11/24/2015  | 4:44:54 AM  |
| C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\TK Pages\TKLUFaceplateSummary.htm                  | 256 KB      | 11/24/2015  | 4:45:24 AM  |
| C:\Program Files (x86)\Honeywell\Profit Suite\Products\PSOS\Honeywell.PSOS.Infra.ViewerInfrastructure.dll                  | 99 KB       | 11/24/2015  | 6:49:02 AM  |
| C:\Program Files (x86)\Honeywell\URT\BIN\urtPlatformManager.dll  | 664 KB      | 11/24/2015  | 6:39:38 AM  |
| C:\Program Files (x86)\Honeywell\Experion PKS\Client\System\ProfitSuite\PC Pages\PSOS.htm                                  | 6.7 KB      | 11/24/2015  | 4:45:24 AM  |
| C:\Program Files (x86)\Honeywell\URT\BIN\hsccli32.dll  | 511 KB      | 11/24/2015  | 4:45:56 AM  |
| C:\Program Files (x86)\Honeywell\Profit Suite\Products\PSOS\PSOS.exe   | 17.5 KB     | 11/24/2015  | 6:49:10 AM  |
| C:\Program Files (x86)\Honeywell\Profit Suite\Products\PSES\Honeywell.PSES.Controls.PSOSHoster.dll                         | 8.5 KB      | 11/24/2015  | 6:55:06 AM  |

**Honeywell**

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