



**FIELD DEVICE MANAGER**

**RELEASE 511.2**

## Software Change Notice

EP-FDM-01511B

March 2020

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## ABOUT THIS DOCUMENT

This document contains information about Field Device Manager (FDM) R511.2. It is recommended that one fully understand the notices covered in this document before proceeding with the installation of this release.

Version	Date	Description
A	March 2020	Updated for release FDM R511.1



## BEFORE YOU BEGIN

## 2.1 Review the latest information

### 2.1.1 Checking for updates on Online Support

Before installing any software, check the Honeywell Process Solutions website

(<https://www.honeywellprocess.com>) for further software or documentation updates including the updates to this Software Change Notice.

### 2.1.2 To access the Honeywell Process Solutions website

1. In your web browser application, type the following URL: <https://www.honeywellprocess.com>
2. If you are a new user, register for access at this site. Click **Register**, and follow the instructions on the screen.
3. If you are already registered, type your username and password, and then click **Login**.  
The **Home** page along with your registered name is displayed.

### 2.1.3 To download documents

1. Click the **Support** tab.  
The **Product Support** page is displayed.
2. Use the **Search** toolbar to locate the latest documents.  
Or  
In the **Latest Support Files**, click **Latest Documentation** link.  
The **All Support Documentation** page is displayed. This page lists the latest documents.
3. If the document cannot be located in the list displayed, you can search using the **Search** toolbar.
4. To search with **Advanced** link, click the **Advanced** link in the Search toolbar. The **Advanced Support Document Search** page is displayed.
5. Enter the details of the document and then click **Search**.  
The list of documents with the required information is displayed. Locate the required document and click the link to open.

## 2.2 Overview of FDM R511.2

FDM R511.2 supports the following features:

- PUIO
- UIO-16
- UAS integration to support monitoring for 10K HART instruments

## 2.3 Components of this release

The following components are available in the Honeywell Process Solutions website for this release.

- FDMR511.2 Patch.zip

## 2.4 FDM compatibility with other product releases

FDM R511.2 is compatible with the following releases:

- Experion
  - R511.1\R511.2\R511.3.
  - R510.2
  - Experion R501.4
  - R500.3
- Sentinel
  - R530.1.

## 2.5 Single node deployment for FDM UAS plug in

The single node deployment for FDM UAS plug in, in FDM server machine, only TLS1.2 is enabled. Sentinel server does not work if only TLS1.2 is enabled. Enable the TLS1.1 protocol by running the tool.



## 2.6 Problems resolved in this patch

PAR	Description
1-BFL6LFH	FDM exposes information with big delay on local OPC, Syncing more number of devices.
1-BRM42UQ	FDM fails to synchronize devices to 3rd party s/w AMS through FHM
1-CEJMGV7	FDM Server Crashes - During Export Operation
1-BW7WDCT	Build network fails - with FDM-TPS integration with HOTFIX on FDM R501.3
1-BLURAK7	ET200_HOP connected HART devices not detecting in FDM R511
1-BRL2CXZ	FF devices running methods window get freeze
1-BH3NV6F	Wrong FDM "release" number mentioned in Device Tag export list
1-BSC2GNT	Open Plant Area View in tool bar icon not visible



## PATCH INSTALLATION

### 3.1 Applicable nodes

This patch is applicable for all FDM nodes.

### 3.2 Installing FDM R511.2 Patch

#### Prerequisites

1. This point release can be installed on a system where **FDM R511.1** is installed.

#### ATTENTION

- Ensure that FDM R511.1 is installed on the system. If not, user needs to install **FDM R511.1** and then install **FDM R511.2** patch.
- It is recommended to use 8GB RAM and 8 core processor for FDM R511.2 for handling large Audit Trail records and Sentinel Instrument monitoring.

2. User must have password for **FDMMgr** account.
3. User must have FDM server IP address when installing the patch on **Uniformance Asset Sentinel server**.
4. Install FDM R511.2 with the user either in Workgroup or Domain system where FDM R511.1 was installed.  
For example, if FDM R511.1 is installed in Workgroup and then added to domain, user must install the patch after changing the system from domain to workgroup, and then install FDM R511.2 patch.

#### Installing FDM R511.2 Patch

To install patch on the node, perform the following steps:

1. Copy the **FDMR511.2 Patch.zip** file to a temporary folder in the hard disk and unzip its contents.

#### ATTENTION

Stop all FDM services before installing the FDM R511.2.

2. Open the folder that contains the extracted patch installer and then double-click **setup.exe**  
The Welcome to the **InstallShield Wizard for FDM R511.2 Patch** appears
3. Click **Next**.

The Enter **User Account Information** page appears.

4. Click **Next**.

The **End User License Agreement** page appears.

5. Select **I accept ....** and click **Next**.

6. Type the password for the **FDMMngr** user on this computer and click **Next**.

The **Ready to Install the Patch** page appears.

7. If Uniformance Asset Sentinel is installed on the distributed systems (FDM server is installed on the separate machine), then user needs to enter the FDM Server details.

8. Click **Install**.

The **InstallShield Wizard Complete** page appears.

9. Click **Finish**.

10. Restart the system.

## Installing FDM R511.2 Patch on ACE nodes for Experion R511.3

To install FDM R511.2 Patch on ACE nodes for Experion R511.3, perform the following steps:

### ATTENTION

This **FDM\_ExpR511.3\_TLS\_Utility.exe** is required to run before FDM R511 installation on Experion R511.3 ACE node.

1. Copy **FDM\_ExpR511.3\_TLS\_Utility.exe** to local
2. Right-click on **FDM\_ExpR511.3\_TLS\_Utility.exe** and select **Run as administrator**.
3. Install the **FDM R511** base installer.
4. Follow the onscreen instructions to install FDM R511.2 Patch on ACE nodes for Experion R511.3.

### ATTENTION

During FDM R511 installation, user gets the following error that can be ignored.



### 3.3 Removing FDM R511.2 Patch

To remove the patch from applicable nodes, perform the following steps:

1. Verify the version of the patch to ensure the installed version is FDM R511.2 patch.
2.
  - a. Launch **Programs and Features** by clicking on **Start > Run**. Enter **appwiz.cpl**. Click **OK**.
  - b. Select **FDM R511.2 Patch** and right click **Uninstall**. The **Programs and Features** window appears. The Installshield appears prompting "Do you want to uninstall this patch".

or

- a. Copy the **FDMR511.2 Patch.zip** file to a temporary folder in the hard disk.
- b. Extract contents of the **FDMR511.2 Patch.zip** file.
- c. Browse for the folder containing the extracted patch installer and right- click the setup.exe and then click Run as administrator. The Installshield appears prompting "Do you want to uninstall this patch".

#### ATTENTION

Before removing the patch: ensure you stop the following services.

- FDM Server
- Experion PKS Hart Multiplexer
- FDM Remote Communication Interface
- FDM OneWireless Network Interface
- FDM RTU Network Interface

3. Click **Yes** to remove all installed components.  
The **InstallShield Wizard Complete** page appears
4. Click **Finish**
5. Restart the system.
6. Uninstall the FDM R511.2.

**NOTE**

After uninstalling the R511.2 patch, TLS 1.0 will remain enabled on the system.

## KNOWN ISSUES

This chapter provides information about known issues and workarounds.

PAR	Description
FDMGR-292	<p><b>Description:</b> The following HART manufacturer devices will not synchronize with Sentinel R530.1:</p> <ul style="list-style-type: none"> <li>• ABB LMT Magnetostrictive Level</li> <li>• BW Technologies Pheonix</li> <li>• Drexelbrook DRx400x500</li> <li>• Yokogawa YTA Rev 3</li> <li>• Siemens SIPART PS2</li> </ul> <p>These HART Manufacturer devices will be available in next release of FDM.</p> <p><b>Workaround:</b> Non</p>
FDMGR-293	<p><b>Description:</b> PLC/RTU/HART-IP Network Connected HART devices will not synchronize with Sentinel. These Network Connected HART devices will be available in next release of FDM.</p> <p><b>Workaround:</b> Non</p>
FDMGR-257	<p><b>Description:</b> Sentinel R530.1 is updated with dynamic values and fault monitoring is enabled.</p> <p><b>Workaround:</b></p> <ul style="list-style-type: none"> <li>• Restart FDM Server (service name - HCMService) and FDM Sentinel Device Diagnostic Model Service (service name - DeviceDiagnosticModelServiceHost) after syncing FDM to Sentinel.</li> <li>• In Sentinel machine, restart AMApplicationServer.</li> </ul>
FDMGR-280	<p><b>Description:</b> There is duplication of Experion server tags in Sentinel. Sentinel displays both Experion server A and B.</p> <p><b>Workaround:</b></p> <p>Always sync the tags having the same Experion primary server during the sync.</p>
FDMGR-305	<p><b>Description:</b> HART 7 device synchronizes with FHM. When HART 7 device is launched, it displays "Unable to Connect Live Device" (This behavior is inconsistent within the HART 7 Devices).</p> <p><b>Workaround:</b> Non</p>



## 5.1 Files deployed through FDM R511.2

The following files are deployed through FDM Experion R511.2

File name version	File name version
HCMService.exe	511.1.14.2
HCMClient.exe	511.2.2.0
SentinelConfigSyncUI.dll	511.1.14.2
ServiceHandler.dll	511.2.0.0
FDMWebServiceContracts.dll	511.2.0.0
FDMWebServiceProvider.dll	511.2.0.0
NADMServer.exe	511.2.0.0
PVSTPlannerClient.dll	511.2.0.0
SentinelConfigSyncCommon.dll	511.1.14.2
FieldCommunicationHandler.exe	511.2.2.0
FieldCommunicationHandlerps.dll	511.1.14.2
HCMserviceps.dll	511.2.2.0
HCMServiceWrap.dll	1.0.0.0
PIScHARTMuxPS.dll	111.2.2.0
pschartmux.exe	111.2.2.0
TPSDriver.dll	511.2.2.0
DeviceModelService.dll	111.1.14.2
FDMGatewayExt.dll	511.1.14.2
FDMDeviceExt.dll	511.1.14.2
FDMMuxExt.dll	511.1.14.2

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You can find the most up-to-date documents on the Honeywell Process Solutions support website at:

- <http://www.honeywellprocess.com/support>

If you have comments about Honeywell Process Solutions documentation, send your feedback to:

- [hpsdocs@honeywell.com](mailto:hpsdocs@honeywell.com)

Use this email address to provide feedback, or to report errors and omissions in the documentation. For immediate help with a technical problem, contact your local Honeywell Process Solutions Customer Contact Center (CCC) or Honeywell Technical Assistance Center (TAC).

## How to report a security vulnerability

For the purpose of submission, a security vulnerability is defined as a software defect or weakness that can be exploited to reduce the operational or security capabilities of the software.

Honeywell investigates all reports of security vulnerabilities affecting Honeywell products and services.

To report a potential security vulnerability against any Honeywell product, please follow the instructions at:

<https://honeywell.com/pages/vulnerabilityreporting.aspx>

Submit the requested information to Honeywell using one of the following methods:

- Send an email to [security@honeywell.com](mailto:security@honeywell.com).  
or
- Contact your local Honeywell Process Solutions Customer Contact Center (CCC) or Honeywell Technical Assistance Center (TAC) listed in the “Support” section of this document.

## Support

For support, contact your local Honeywell Process Solutions Customer Contact Center (CCC). To find your local CCC visit the website, <https://www.honeywellprocess.com/en-US/contact-us/customer-support-contacts/Pages/default.aspx>.

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## Training classes

Honeywell holds technical training classes about Experion PKS. These classes are taught by experts in the field of process control systems. For more information about these classes, contact your Honeywell representative, or see <http://www.automationcollege.com>.