# IBM Problem Determination Tools for z/OS Plug-ins Combined Packages (IM) README

## Copyright statement

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## Overview

The IBM Problem Determination Tools Plug-ins combined packages contain all of the individual product plug-ins in a single downloadable zip file. These single all-inclusive zip files make the initial installation and follow-on maintenance and functional updates easier than the previous individual product plug-in packages.

## Hardware Requirements

The following minimum hardware levels are required:

- CPU - 1 GHz or faster 32-bit (x86) or 64-bit (x64) processor, dual or quad core recommended
- RAM - 2.0 GB minimum, 3.0 GB recommended
- Hard disk - 1.8 GB available space, plus 210 MB of temporary space

## Supported Platforms

One of the following levels of the Microsoft Windows operating system:

- Microsoft Windows XP 32-bit
- Microsoft Windows Vista 32-bit
- Microsoft Windows 7 32-bit
- Microsoft Windows Server 2008 32-bit

## Software Requirements

One of the following Eclipse-based platforms:

- IBM Rational Developer for System z (for Windows only) V9, or later
- IBM CICS Explorer V5.1.1, or later

Any combination of one or more of the following IBM Problem Determination Tools for z/OS products:

- IBM Application Performance Analyzer for z/OS V12.1, or later
- IBM Debug Tool for z/OS V12.1, or later
- IBM Fault Analyzer for z/OS, V12.1, or later
- IBM File Manager for z/OS V12.1, or later
- IBM Workload Simulator for z/OS & OS/390 V1.1, or later

## Preparing to install IBM Problem Determination Tools plug-ins Combined Packages

It is highly recommended that you uninstall any pre-existing Problem Determination Tools plug-ins from Rational Developer for System z. To check what software is installed and to uninstall:

1. Start IBM Installation Manager
2. Click **Uninstall**

3. Select all the IBM Problem Determination Tools plug-ins installed:
    - IBM Application Performance Analyzer Plug-in for Eclipse
    - IBM Debug Tool DTCN plugin for CICS
    - IBM Debug Tool DTSP plugin for non-CICS
    - IBM Fault Analyzer Plug-in for Eclipse
    - IBM File Manager Plug-in for Eclipse
    - IBM Workload Simulator Plug-in for Eclipse
4. Click **Next**
5. Click **Uninstall**
6. Once the plug-ins are successfully uninstalled click **Finish**

**NOTE:** Do not uninstall the IBM CICS Explorer SDK package.

## Installing IBM Problem Determination Tools plug-ins Combined Packages

To install Problem Determination Tools plug-ins Combined Packages, you will need to specify the repository location before installing. The latest offering is located in the IBM Problem Determination Tools website. Download the install zip file (`PD_Tools_plugins_combined_IM_vxxxxxx.zip`) for a local install.

1. Unzip the install zip file to a temporary directory e.g. `C:\PD_Tools_combined_IM_vxxxxxx`. A path of 32 or less characters is recommended, but not required. See Installation Note 1
2. Start IBM Installation Manager
3. Click **File > Preferences...**
4. In Preferences click **Add Repository...**
5. Click **Browse** and specify the temporary directory, then click **OK**
6. In Preferences click **OK**
7. In IBM Installation Manager click **Install**
8. Select all the IBM Problem Determination Tools plug-ins listed:
    - IBM Application Performance Analyzer Plug-in for Eclipse
    - IBM Debug Tool DTCN plugin for CICS
    - IBM Debug Tool DTSP plugin for non-CICS
    - IBM Fault Analyzer Plug-in for Eclipse
    - IBM File Manager Plug-in for Eclipse
    - IBM Workload Simulator Plug-in for Eclipse
9. Click **Next**
10. Review and accept the terms in the license agreements, and then click **Next**
11. Click **Next** to install using the existing package group
12. Ensure that all features are selected, then click **Next**
13. Click **Install**
14. Once the plug-ins are successfully installed click **Finish**

## Getting Started With IBM Problem Determination Tools plug-ins Combined Packages

After installing the plug-ins, follow the steps below for the plug-in(s) you are using:

- Application Performance Analyzer Plug-in
    1. There is some connections/credentials setup that is unique to Application Performance Analyzer that must be performed. Please refer to the APA CICS Explorer User Guide for details on how to configure credentials and connections for Application Performance Analyzer and how to connect to Application Performance Analyzer on z/OS. Once the connection is established, the Select STC dialog is displayed in which a default startup APA Started Task (STC) must be selected. A list of active APA Started Tasks (STC's) is displayed. The default STC is the started task which will be selected at the startup of Application Performance Analyzer. The Default STC is displayed for the first successful login only, then saved as a preference that can be changed from the "Set as Default STC" context menu item of the STC List view.
    2. To access Application Performance Analyzer, click **Window > Open perspective > Other....** Select **APA** and click **OK**.
    3. Find more information, click **Help > Help Contents**. Follow the instructions in the **APA CICS Explorer User Guide** for details on how to configure credentials and connections for APA and how to connect to APA on z/OS. Follow the instructions in the APA User Guide for details on using the plug-in.
- Debug Tool Plug-in
    1. Establish a connection between the DTCN Profiles view for CICS and your z/OS system by following the steps described in DTCN tips.
    2. To access Debug Tool, click **Window > Open perspective > Other....** Select **Debug** and click **OK**.
    3. Find more information, click **Help > Help Contents**. Follow the instructions in the **Compiled language debugger** section for details on getting started using Debug Tool to debug your application

- Fault Analyzer Plug-in
    1. To access Fault Analyzer, click **Window > Open perspective > Other...**. Select **Fault Analyzer** and click **OK**.
    2. Find more information, click **Help > Help Contents**. Follow the instructions in the **Fault Analyzer for Eclipse** section for details on getting started using Fault Analyzer
- File Manager Plug-in
    1. To access Fault Analyzer, click **Window > Open perspective > Other...**. Select **File Manager** and click **OK**.
    2. Find more information, click **Help > Help Contents**. Follow the instructions in the **IBM File Manager User Guide** section for details on getting started using File Manager
- Workload Simulator Plug-in
    1. To access Workload Simulator, click **Window > Open perspective > Other...**. Select **WSim Explorer** and click **OK**.
    2. Find more information, click **Help > Help Contents**. Follow the instructions in the **Using the Workload Simulator plug-in for Eclipse** section for details on getting started using Workload Simulator.

## Updating IBM Problem Determination Tools plug-ins Combined Packages

To update Problem Determination Tools plug-ins Combined Packages, you will need to specify the repository location first. The latest offering is located in the IBM Problem Determination Tools website. Download the install zip file (`PD_Tools_plugins_IM_vxxxxxx.zip`) for a local install.

1. Unzip the install zip file to a temporary directory e.g. `C:\PD_Tools_combined_IM_vxxxxxx`. A path of 32 or less characters is recommended, but not required. See Installation Note 1
2. Start IBM Installation Manager
3. Click **File > Preferences...**
4. In Preferences click **Add Repository...**
5. Click **Browse** and specify the temporary directory, then click **OK**
6. In Preferences click **OK**
7. In IBM Installation Manager click **Update**
8. Click **Next**
9. It's recommended that you select all the packages, then click **Next**
10. Review and accept the terms in the license agreements, and then click **Next**
11. Ensure that all features are selected, then click **Next**
12. Click **Update**
13. Once the plug-ins are successfully updated click **Finish**

## Installation Notes

### Note 1: Microsoft Windows Maximum Path Length Limitation

Microsoft Windows file systems, have a maximum path length of 255 characters. Extracting to paths longer than 32 characters is supported, but not recommended, as exceeding the Windows Path limit will result in extraction errors.

## Technical support

These IBM Problem Determination Tools plug-ins are available at no charge to all licensed users of any of the following five IBM Problem Determination Tools for z/OS products:

1. IBM Application Performance Analyzer for z/OS V12.1, or later
2. IBM Debug Tool for z/OS V12.1, or later
3. IBM Fault Analyzer for z/OS, V12, or later
4. IBM File Manager for z/OS V12.1, or later
5. IBM Workload Simulator for z/OS & OS/390 V1.1, or later

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