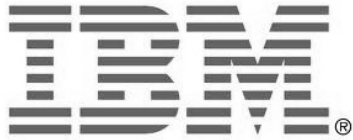


IBM OpenPages GRC Platform
with Application Server Interim Fix 5

Patch ReadMe



NOTE

Before using this information and the product it supports, read the information in the "Notices" section of this document.

Product Information

This document applies to IBM OpenPages GRC Platform with Application Server and may also apply to subsequent releases.

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About this Patch Installer

This patch installer updates the IBM® OpenPages® GRC Platform with Application Server environment from the released version to IF5 for OpenPages® GRC Platform with Application Server releases 6.0 through 7.0 .

Enhancements, Bug Fixes, and Known Issues

Bug Fixes

The following enhancements, bug fixes, and known issues are included in this release. The Authorized Problem Analysis Report (APAR) ID, if available, is shown in parentheses after a description. For example: (PM12345).

OpenPages GRC Platform with Application Server IF5

- The following security vulnerabilities have been addressed:
 - CVE-2016-0464
 - CVE-2016-0573
 - CVE-2016-0574
 - CVE-2016-0577
 - CVE-2015-4852

Before You Begin

Prerequisite Software

Prior to installing IBM® OpenPages® GRC Platform with Application Server IF5, OpenPages IBM® OpenPages® GRC Platform with Application Server 7.0, 6.2, 6.1, or 6.0 must be installed.

Information You Need

The IBM® OpenPages® GRC Platform with Application Server IF5 patch requires the following information.

- Install path of application server
- Administrative access to application servers
- Current setting of JAVA_HOME environment variable

Installation Tasks

To install IBM OpenPages GRC Platform with Application Server IF5, perform the following tasks.

Task 1: Stop all Services

Stop all services including the following:

- OpenPages application and workflow services
- IBM Cognos 10.2.1 service
- OpenPages Framework Model Generator service
- Command Center Service

Note: For details on stopping services, see the "Starting and Stopping Servers" chapter in the *IBM® OpenPages® GRC Platform Administrator's Guide*.

Also close all connections to the OpenPages Database from any other tools you might use.

Task 2: Backup

Backup the OpenPages per your normal process.

Task 3: Install Application Server Update [All Application Servers]

Use the following instructions to update the application server software.

1. Log on to the application server as a user with administrative privileges.
2. Check the current value of the JAVA_HOME environment variable
 - a. Open a Command Prompt window as an administrative user.
 - b. Run the command: `set`
 - c. Look through the output for JAVA_HOME and note it's current setting, if it is in the list.
3. Insert the OpenPages GRC Platform with Application Server IF5 installation media and copy the entire IBM OpenPages GRC Platform with Application Server IF5 Installer directory to the current machine.
4. Open a Command Prompt window as an administrative user, and do the following:
 - a. Navigate to the directory in the patch media containing the patch installer program.

By default, this path is: `<patch_directory>|IBM OpenPages GRC Platform with Application Server IF5 Installer|Disk1|InstData|VM`

- b. Launch the application patch installer program using the following file:
`openpages_application_server_patch.exe`
5. On the **Welcome** screen, click **Next**.
 6. On the **Software License Agreement screen**, select "I accept" button, and click **Next**.
 7. On the Installation Information page, provide the information
 - a. For the **Application Server Installation Location**, type the installation location of the existing application server or click **Choose** to navigate to the directory.

By default, the path is: `C:\`

e.g. If the application server home directory is `C:\Middleware\wlserver_10.3`, you should provide `C:\Middleware` as the installation location.

- b. For the **OpenPages Application Server Java Home**, type the folder path where OpenPages Java is installed or click **Choose** to navigate to the directory.

By default, the path is: `C:\OpenPages\Java\<jdk_folder>`

e.g. `C:\OpenPages\Java\jdk1.6.0_45`

- c. For the **OpenPages Application Server Home**, type the folder path where OpenPages is installed or click **Choose** to navigate to the directory.

By default, the path is: C:\OpenPages

- d. Click **Next**.
8. Review your selections then click **Install**. When finished, click **Done** to exit the installer.

Task 4: Post-Installation Steps

Once the patch installer program is complete, perform the following steps to to make sure the installation is successful.

Steps:

1. On the Windows machine where the application server was upgraded, open a Command Prompt window as an administrative user.
2. Change directory to the **bin** directory where the application server is installed.
By default, the path is: <Application_Server_Home>\wlserver_10.3\server\bin

Where: <Application_Server_Home> is the installation location of the application server. By default, the path is: C:\Middleware

3. Run the following commands to verify the update:

```
setWLSEnv.cmd
java weblogic.version
```

You should see the following output, 10.3.6.0.13 if the update was successful:

```
WebLogic Server 10.3.6.0.13 PSU Patch for
```

4. Check the current JAVA_HOME setting
 - a. Open a new Command Prompt window as an administrative user. Do not use an existing window.
 - b. Run the command: `set`
 - c. Look through the output for JAVA_HOME and note it's current setting (if set) and ensure that it matched the original setting recorded earlier.
 - d. If it is different, then do the following:
 1. Open a Windows Explorer window (Files and Folders)
 2. Right-Click on the Computer (or My Computer) icon
 3. Select Properties
 4. Click The Advanced tab.
 5. Click the Environment Variables button
 6. Check the User Variables and System Variables for JAVA_HOME and update or remove as needed to match the original setting recorded earlier.

Task 5: Start all Services

Start all services including the following:

- OpenPages application and workflow services
- IBM Cognos 10.2.1 service
- OpenPages Framework Model Generator service
- Command Center Service

Note: For details on starting services, see the “Starting and Stopping Servers” chapter in the *IBM® OpenPages® GRC Platform Administrator’s Guide*.

Locating the Patch Installation Log Files

If errors occur during the patch installation process, you can review the following patch installer log files for troubleshooting.

Location: <Application_Server_Home>\ia

Where: <Application_Server_Home> is the installation location of the application server. By default, the path is: C:\Middleware

File Names:

- OpenPages_APP_UPGRADE_IF5_ScriptAction.log

Uninstalling This Patch

If you want to uninstall the OpenPages GRC Platform with Application Server IF5 and revert to the previously installed patch version, use the following instructions.

Note: To view installed patch versions, open the following file in a text editor of your choice: <Application_Server_Home>\registry.xml. Each module element within the file contains information about a specific installed patch.

Steps:

1. On the local machine where Application Server is installed, stop all services including the following:
 - OpenPages application and workflow services
 - IBM Cognos 10.2.1 service
 - OpenPages Framework Model Generator service
 - Command Center Service
2. Open a Command Prompt window as an administrative user and go to the following directory:

```
<Application_Server_Home>\utils\bsu
```

Where: <Application_Server_Home> is the installation location of the application server. By default, the path is: C:\Middleware

3. Run the following command:

```
bsu.cmd -remove -patchlist=FSR2  
-prod_dir=<Application_Server_Home>\wlserver_10.3
```

4. If you have OpenPages GRC Platform with Application Server IF 1 applied before this installation, you need to reinstall OpenPages GRC Platform with Application Server IF 1, and ignore the following steps. Otherwise, go ahead.
5. When the command finished with success, go to the following directory:

```
<Application_Server_Home>\utils\uninstall
```

6. Run the following command to launch the patch uninstaller program:
uninstall.exe
7. Click Next to start the uninstall program. The Choose Components screen is displayed.
8. Select "Rollback to Weblogic Platform 10.3.2.0", and click **Next**.
9. When completed, click **Done** to exit the program.

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