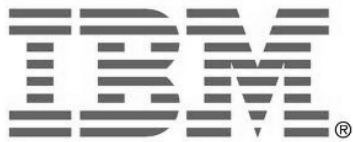IBM OpenPages GRC Platform
Version 6.1.0.1 Interim Fix 4

Patch ReadMe

IBM®

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 6.1 and may also apply to subsequent releases.

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Documentation Release Information

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About this Patch Installer

This patch installer updates the IBM® OpenPages® GRC Platform environment from version 6.1.0.1 to version 6.1.0.1.4 for IBM WebSphere Application Server on AIX or Windows or Oracle WebLogic Server on Windows.

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 6.1.0.1 IF4
- Struts V1 ClassLoader manipulation vulnerability (CVE-2014-0114)
- IBM OpenPages GRC Platform - Link Injection vulnerability issue(CVE-2014-3011)
- Open Source Apache Tomcat - 4 issues(CVE-2013-4286, CVE-2014-0033, CVE-2013-4322, CVE-2013-4590)
- IBM OpenPages Access Control Bypass(CVE-2011-1381)

OpenPages 6.1.0.1 IF3
- Debug mode of authentication classes is logging too much information (PM96797)

OpenPages 6.1.0.1 IF2
- Cognos authentication / performance issues encountered during high login loads. (PM61504)
- Errors on the login page when the browser is set to an unsupported OpenPages locale. (PM81464)

OpenPages 6.1.0.1 IF1
- Integer data type is not validating properly in some locales. (PM71792)

Before You Begin

Prerequisite Software

Prior to installing IBM® OpenPages® GRC Platform 6.1.0.1 IF4, OpenPages 6.1.0.1 must be installed.

Information You Need

The 6.1.0.1 IF4 patch requires the following information.
- For the OpenPages application update:
  - The existing installation path of the OpenPages application server.
  - The existing installation path of the Oracle WebLogic or IBM WebSphere server.

Folder Substitutions

The following tables contain the folder substitutions used in this document

Table 1: IBM WebSphere application server

Substitution	Platform	Default Folder
`<OP_Home>`	AIX	`/opt/OpenPages`
`<Backup>`	AIX	`<OP_HOME>/Patch-OP61014Backup`
`<op-apps>`	AIX	`<OP_Home>/profiles/<server_name>-OPNode1/ installedApps/OpenPagesCell/op-apps.ear`
`<applications>`	AIX	`<OP_HOME>/applications`
`<sosa_report>`	AIX	`<OP_Home>/profiles/<server_name>-OPNode1/ installedApps/OpenPagesCell/op- apps.ear/sosa.war/report`
`<OpenPages CommandCenter Install Directory>`	AIX	`<OP_Home>/CommandCenter`

Table 2: Oracle WebLogic application server

Substitution	Platform	Default Folder
`<OP_Home>`	Windows	`C:\OpenPages`
`<Backup>`	Windows	`<OP_HOME>\Patch-OP61014Backup`
`<op-apps>`	Windows	`<OP_Home>\applications\op-apps`
`<applications>`	Windows	`<OP_Home>\applications`
`<sosa_report>`	Windows	`<OP_Home>\applications\op-apps\sosa\report`
`<OpenPages CommandCenter Install Directory>`	Windows	`<OP_Home>\CommandCenter`

Installation Tasks

To install IBM OpenPages GRC Platform 6.1.0.1 IF4, perform the following tasks.

Task 1: Stop all Services

Stop all services including the following:
- OpenPages application and workflow services
- IBM Cognos 8.4.1 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*.

Task 2: Backup
Backup the current application code using the following steps:

1. Create the `<Backup>` directory.
2. On the OpenPages admin server, navigate to the `<op-apps>` directory for your installation.
3. Copy the following files from the `<op-apps>` directory to the backup directory created in Step 1.
   - `aurora.jar`
   - `opappcommon.jar`
   - `opappcommontools.jar`
   - `opxss.jar`
   - `opappsosaupdate.jar`
4. Navigate to the `<applications>` directory for your installation.
5. Copy the `op-apps.ear` to the `<Backup>` directory.
6. IBM WebSphere environments only, also copy `opappstools.ear` to the `<Backup>` directory
7. On the OpenPages admin server, navigate to the `<sosa_report>` directory for your installation.
8. Copy the following files from the `<sosa_report>` directory to the `<Backup>` directory
   - `fastMap.jsp`

Task 3: Apply Update - IBM WebSphere Environments Only

Update the application code by replacing the current files with the updated files located in the upgrade kit, using the following steps:

1. On the OpenPages managed server, navigate to the `<op-apps>` directory for your installation.
2. Copy the following files from this kit to the `<op-apps>` directory.
   ◦ `aurora.jar`
   ◦ `opappcommon.jar`
   ◦ `opappcommontools.jar`
   ◦ `opxss.jar`
   ◦ `opappsosaupdate.jar`
3. Navigate to the `<applications>` directory for your installation.
4. Copy the following files from this kit to the `<applications>` directory.
   ◦ `op-apps.ear`
   ◦ `opappstools.ear`
5. On the OpenPages managed server, navigate to the `<sosa_report>` directory for your installation.
6. Copy the following files from this kit to the `<sosa_report>` directory.
   ◦ `fastMap.jsp`
7. Repeat on all nodes and secondary servers

Task 4: Apply Update – Oracle WebLogic Environments Only

Update the application code by replacing the current files with the updated files located in the upgrade kit, using the following steps:

1. On the OpenPages managed server, navigate to the `<op-apps>` directory for your installation.
2. Copy the following files from this kit to the `<op-apps>` directory.
   ◦ `aurora.jar`
   ◦ `opappcommon.jar`
   ◦ `opappcommontools.jar`
   ◦ `opxss.jar`
   ◦ `opappsosaupdate.jar`
3. Navigate to the `<applications>` directory for your installation
4. Copy the following files from this kit to the `<applications>` directory.
   ◦ `op-apps.ear`
5. On the OpenPages managed server, navigate to the `<sosa_report>` directory for your installation.
6. Copy the following files from this kit to the `<sosa_report>` directory.
   ◦ `fastMap.jsp`
7. Repeat on secondary servers

Task 5: Update Apache Tomcat for the IBM OpenPages Framework Model Generator
Note: This task is required for all OpenPages environments.

1. Rename the existing `<OpenPages CommandCenter Install Directory>\apache-tomcat` to `<OpenPages CommandCenter Install Directory>\apache-tomcat-old`
2. Unzip the `apache-tomcat.zip` to `<OpenPages CommandCenter Install Directory>` from `<Patch Kit>\CommandCenter`

3. Rename `server.xml` to `server.xml.backup` in `<OpenPages CommandCenter Install Directory>\apache-tomcat\conf`

4. Copy the `server.xml` from `<OpenPages CommandCenter Install Directory>\apachetomcat-old\conf` to `<OpenPages CommandCenter Install Directory>\apachetomcat\conf`

5. Copy the `crf-refresher.war` from `<OpenPages CommandCenter Install Directory>\apache-tomcat-old\webapps` to `<OpenPages CommandCenter Install Directory>\apache-tomcat\webapps`

6. Rename `catalina.bat |.sh` to `catalina.bat.backup |.sh.backup` in `<OpenPages CommandCenter Install Directory>\apache-tomcat\bin`

7. Copy the `catalina.bat | .sh` from `<OpenPages CommandCenter Install Directory>\apache-tomcat-old\bin` to `<OpenPages CommandCenter Install Directory>\apache-tomcat\bin`

8. Restart the Tomcat

Task 6: Start all Services

Start all services including the following:
- OpenPages application and workflow services
- IBM Cognos 8.4.1 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*.

Uninstalling This Patch

Uninstalling 6.1.0.1 IF4 will revert the system to the previous patch level.

To uninstall IBM OpenPages GRC Platform 6.1.0.1 IF4 perform the following tasks.

Task 1: Stop all Services

Stop all services including the following:
- OpenPages application and workflow services
- IBM Cognos 8.4.1 service
- OpenPages Framework Model Generator service

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

Task 2: Restore OpenPages Application Code

Run the installation steps again, but use the files from the `<Backup>` directory rather than the 6.1.0.1 IF4 kit.

Task 3: Start all Services

Start all services including the following:
- OpenPages application and workflow services
- IBM Cognos 8.4.1 service
- OpenPages Framework Model Generator service

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

Documentation Updates

You can download the latest revision to the IBM® OpenPages® GRC Platform 7.0 documentation set from the IBM information server at:

http://www.ibm.com/support/docview.wss?uid=swg27036766

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