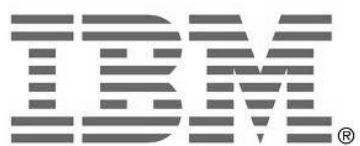


IBM OpenPages with Watson  
Version 8.2.0.0.4

*Interim Fix 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® with Watson™ 8.2.0.0 and may also apply to subsequent releases.

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### **Documentation Release Information**

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# Introduction

This Interim Fix updates the IBM® OpenPages® with Watson™ environment from version 8.2.0.0 or previous 8.2.0.0.x interim fix to 8.2.0.0 IF4 on Red Hat Enterprise Linux® (RHEL) or Microsoft™ Windows™

# Defect Fixes, Enhancements, and Known Issues

## Defect Fixes

The following defect fixes 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 8.2.0.0 IF4

- Launching the RCM Theme Deployer results in “config not valid” error if the OpenPages server has been restarted and the RCM configuration tool has not been rerun (PH32021)
- GRC Calculation error occurs, when a calculation attempts to set a multi-valued enum field to null (PH32526)

### OpenPages 8.2.0.0 IF3

- Performance issues can occur during a FastMap data load when errors occur and simultaneously calculations are running on the data being loaded (PH31070)
- Currency exchange rate with more than 8 decimal digits cannot be used in a currency field (PH31410)
- Bulk calculation on large number of objects may exceed database timeout and fail (PH31714)
- Calculation errors in the aurora log file after loading data with FastMap

### OpenPages 8.2.0.0 IF2

- Calculated fields that are the controller of a Dependent Picklist generates an error while saving changes (PH27496)
- In GRC Workflows, the field for specifying the Relationship Paths is missing for the Assignee, Subscriber, Oversight, Due Date, Overall Due Date and End Stage Notify Users if the Relationship Type is Ancestor or Descendant (PH29903)

### OpenPages 8.2.0.0 IF1

- Folder based filters defined in OpenPages 7.2.x are not working after upgrading to 8.1.x (PH25725)
- OpenPages Installer may be putting the wrong Oracle db identifier in bootstrap.properties (PH26948)
- Deleting the temporary file after it is created on a Windows SFTP server fails (PH27187)

# Before You Begin

## Prerequisite Software

Prior to installing IBM® OpenPages® with Watson™ 8.2.0.0 IF4, OpenPages 8.2.0.0 must be installed. To install IBM® OpenPages® with Watson™ 8.2.0.0 IF4, use the OpenPages 8.2.0.0 IF1 Installer.

## General Information

For information regarding the installation and setup of the OpenPages installer server and installer agents, please see “*OpenPages installation server and app*” topic in the IBM OpenPages with Watson 8.2.0 Installation and Deployment Guide at

[https://www.ibm.com/support/knowledgecenter/en/SSFUEU\\_8.2.0/op\\_grc\\_installation/c\\_op\\_ig\\_instprg\\_ov.html](https://www.ibm.com/support/knowledgecenter/en/SSFUEU_8.2.0/op_grc_installation/c_op_ig_instprg_ov.html)

## Backup the current databases

### Oracle database

For details, see the “Using IBM OpenPages with Watson utilities with Oracle databases” chapter in the IBM® OpenPages® with Watson™ Administrator’s Guide.

### Db2 database

For details, see the “Using IBM OpenPages with Watson utilities with Db2 databases” chapter in the IBM® OpenPages® with Watson™ Administrator’s Guide.

## Folder Substitutions

The following table contains the folder substitutions used in this document:

Substitution	Platform	Default Folder or value
<InstallerHome>	Linux	/opt/IBM/OP-Installer
	Windows	C:\IBM\OP-Installer
<InstallerMaintenance>	Linux	<InstallerHome>/src/assets/maintenance
	Windows	<InstallerHome>\src\assets\maintenance
<OP_Home>	Linux	/opt/IBM/OpenPages
	Windows	C:\IBM\OpenPages
<OP_APP_Home>	Linux	/opt/IBM/OpenPages/wlp/usr/shared/apps/op-apps.ear
	Windows	C:\IBM\OpenPages\wlp\usr\shared\apps\op-apps.ear
<OPBackup8200>	Linux	<OP_Home>/installer/maintenance/interim-fix-8.2.0.0.4/backups_from_8.2.0.0[.x] where <b>x</b> is the most recently installed interim fix version, if any
	Windows	<OP_Home>\installer\maintenance\interim-fix-8.2.0.0.4\backups_from_8.2.0.0[.x] where <b>x</b> is the most recently installed interim fix version, if any
<CC_Home>	Linux	/opt/IBM/CommandCenter
	Windows	C:\IBM\CommandCenter
<CCBackup8200>	Linux	<CC_Home>/installer/maintenance/interim-fix-8.2.0.0.4/backups_from_8.2.0.0[.x] where <b>x</b> is the most recently installed interim fix version, if any
	Windows	<CC_Home>\installer\maintenance\interim-fix-8.2.0.0.4\backups_from_8.2.0.0[.x] where <b>x</b> is the most recently installed interim fix version, if any
<OPSearch_Home>	Linux	/opt/IBM/OpenPages/Search
	Windows	C:\IBM\OpenPages\Search
<OPSearchBackup8200>	Linux	<OPSearch_Home>/installer/maintenance/interim-fix-8.2.0.0.4/backups_from_8.2.0.0[.x] where <b>x</b> is the most recently installed interim fix version, if any
	Windows	<OPSearch_Home>\installer\maintenance\interim-fix-8.2.0.0.4\backups_from_8.2.0.0[.x] where <b>x</b> is the most recently installed interim fix version, if any

# Installation Tasks

To install IBM® OpenPages® with Watson™ 8.2.0.0 IF4, perform the following tasks.

**NOTE: If 8.2.0.0.1 interim fix has already been installed on the Installation server, skip Task 1 to 4 and go directly to Task 5.**

## Task 1: Stop OpenPages Installation server

Note: For details, see the “Stopping the installation server” topic in “OpenPages installation server and app” chapter in the IBM® OpenPages® GRC Installation and Deployment Guide.

## Task 2: Apply Installation Server Updates

Update the Installation server by replacing the current files with the updated files located in the interim fix kit, performing the following steps as the user that setup the Installation server.

- 2.1 Navigate to the directory <InstallerHome>/src/assets/maintenance and copy **openpages\_installer\_8-2-0-0-1.zip** from the kit
- 2.2 Navigate to the <InstallerHome> directory and run the command “**npm run upgrade**” from a command or shell window.

## Task 3: Start OpenPages Installation server

Note: For details, see the “Starting the installation server” topic in “OpenPages installation

## Task 4: Patching Install Agents

Login to the installation server, select the deployment and click Validate from the deployment

## Task 5: Ensure that all OpenPages servers and services are running except the Global Search server

Note: For details, see the “Starting and stopping servers” chapter in the *IBM® OpenPages® with Watson™ Administrator’s Guide*

## Task 6: Apply the OpenPages 8.2.0.0 IF4

Use the 8.2.0.0.1 OpenPages installer to apply the 8.2.0.0.4 Interim fix. Perform the following steps as the user that setup the Installation Server.

Using the installation app, do the following:

- 6.1 Ensure that the OpenPages 8.2.0.0.1 installation server is running and that the OpenPages 8.2.0.0.1 installer agents on the remote servers in the deployment (if applicable) are also running.
- 6.2 Copy the **openpages\_interimFix\_8-2-0-0-4.zip** file from the interim fix media into the <InstallerMaintenance> directory on the installation server.
- 6.3 Open the existing 8.2.0.0 deployment and press the browser’s **Refresh** button to refresh the installation app.
- 6.4 Click the **Deployment Task** drop-down and select **Interim Fix** and select **8.2.0.0.4** in the **Version** drop-down.

Perform the **Validate**, **Install**, and **Configure** actions to apply the interim fix updates to the OpenPages 8.2.0.0.x deployment.

Note: Each file in the OpenPages deployment that is replaced by the interim fix content is automatically backed up into the <OPBackup8200>, <CCBackup8200>, or <OPSearchBackup8200> folder, as applicable.

## Task 7: Ensure that all OpenPages servers and services are running including the Global Search server

Note: For details, see the “Starting and stopping servers” chapter in the *IBM® OpenPages® with Watson™ Administrator’s Guide*.

## Uninstalling this Patch

Uninstalling 8.2.0.0 IF4 will revert the system to the previous patch level.

To uninstall IBM® OpenPages® with Watson™ 8.2.0.0 IF4, perform the following tasks as the user that setup the Installation server.

**NOTE: If 8.2.0.0.1 interim fix was previously installed on the Installation server, skip Task 1 to 4 and go directly to Task 5.**

## Task 1: Stop the Install Agents and OpenPages Installation server

To stop the agents, click on the Stop icon on the deployment page for each agent.

Note: For details, see the “Stopping the installation server” topic in “OpenPages installation server and app” chapter in the IBM® OpenPages® GRC Installation and Deployment Guide.

## Task 2: Restore OpenPages Installation server and Agents

- 2.1 Navigate to the <InstallerHome>/src directory for your installation.
- 2.2 Copy the following file from the <InstallerMaintenance>/archive/backup\_<timestamp>/server/src directory to the above directory
  - installer\_info.json
- 2.3 Navigate to the <InstallerHome>/src/actions/app-actions directory for your installation.
- 2.4 Copy the following file from the <InstallerMaintenance>/archive/backup\_<timestamp>/server/src/actions/app-actions directory to the above directory
  - app\_deploy\_application\_wlp\_action.js
- 2.5 Navigate to the <InstallerHome>/src/helpers directory for your installation.
- 2.6 Copy the following files from the <InstallerMaintenance>/archive/backup\_<timestamp>/server/src/helpers directory to the above directory
  - db2-helper.js
  - oracle-helper.js
- 2.7 On each machine with an Installer agent, navigate to the <InstallerHome>/src directory for your installation.

- 2.8 Copy the following file from the `<InstallerMaintenance>/archive/backup_<timestamp>/agent/src` directory to the above directory
  - `installer_info.json`
- 2.9 Navigate to the `<InstallerHome>/src/actions/app-actions` directory for your installation.
- 2.10 Copy the following file from the `<InstallerMaintenance>/archive/backup_<timestamp>/agent/src/actions/app-actions` directory to the above directory
  - `app_deploy_application_wlp_action.js`
- 2.11 Navigate to the `<InstallerHome>/src/helpers` directory for your installation.
- 2.12 Copy the following files from the `<InstallerMaintenance>/archive/backup_<timestamp>/agent/src/actions/app-actions` directory to the above directory
  - `db2-helper.js`
  - `oracle-helper.js`

## Task 3: Start OpenPages Installation server

Note: For details, see the “Starting the installation server” topic in “OpenPages installation server and app” chapter in the IBM® OpenPages® GRC Installation and Deployment Guide.

## Task 4: Start the Install Agents

Login to the installation server, select the deployment and click Validate from the deployment.

## Task 5: Stop all OpenPages servers and services

Note: For details, see the “Starting and stopping servers” chapter in the *IBM® OpenPages® with Watson™ Administrator’s Guide*.

## Task 6: Manually restore the previous patch version from the backups

Manually restore the previous OpenPages patch level from the `<OPBackup8200>`, `<CCBackup8200>`, or `<OPSearchBackup8200>` directories created during the 8.2.0.0.4 interim fix installation, as applicable.

Note: Make sure to use the backup directory that reflects the previously installed OpenPages patch level. Restoring to a patch level that is not the previously installed patch level is not supported.

## Application Servers

On each Application Server, do the following

- 6.1 Navigate to the <OP\_Home>/applications directory.
- 6.2 Copy the following file from the <OPBackup8200>/applications directory:
  - op-apps.ear
- 6.3 Navigate to the <OP\_APP\_Home> directory.
- 6.4 Copy the following files from the <OPBackup8200>/wlp-usr/shared/apps/op-apps.ear directory:
  - aurora.jar
  - opappssosupdate.jar
  - opappcommon.jar
  - com.ibm.openpages.api.jar
  - com.ibm.openpages.integration.feedimport.jar
- 6.5 Navigate to the <OP\_APP\_Home>/openpages.war/applets directory.
- 6.6 Copy the following files from the <OPBackup8200>/wlp-usr/shared/apps/op-apps.ear/openpages.war/applets directory:
  - aurora.jar
  - op sdk.jar
- 6.7 Navigate to the <OP\_APP\_Home>/sosa.war directory and delete the react subdirectory.
- 6.8 Copy the directory and its contents from the <OPBackup8200>/wlp-usr/shared/apps/op-apps.ear/sosa.war/react directory.
- 6.9 Navigate to the <OP\_Home>/aurora/conf directory
- 6.10 Copy the following file from the <OPBackup8200>/aurora/conf directory:
  - versioninfo.txt
- 6.11 Navigate to the <OP\_Home>/aurora/op-ext-lib directory.
- 6.12 Copy the following file from the <OPBackup8200>/aurora/op-ext-lib directory:
  - solutions-rcm.jar
- 6.13 Navigate to the <OP\_Home> directory.
- 6.14 Copy the following file from the <OPBackup8200> directory:
  - openpagesregistry.xml

## Reporting Servers

On each Reporting Server, do the following

- 6.1 Navigate to the <CC\_Home> directory.
- 6.2 Copy the following file from the <CCBackup8200> directory:
  - openpagesregistry.xml

## Global Search Server

On the Global Search Server, do the following

- 6.1 Navigate to the <OPSearch\_Home> directory.
- 6.2 Copy the following file from the <OPSearchBackup8200> directory:
  - openpagesregistry.xml

## Task 7: Restore Databases

### Oracle database

For details, see the “Using IBM OpenPages with Watson utilities with Oracle databases” chapter in the IBM® OpenPages® with Watson™ Administrator’s Guide.

### Db2 database

For details, see the “Using IBM OpenPages with Watson utilities with Db2 databases” chapter in the IBM® OpenPages® with Watson™ Administrator’s Guide

## Task 8: Start all OpenPages servers and services

Note: For details, see the “Starting and stopping servers” chapter in the IBM® OpenPages® with Watson™ Administrator’s Guide.

## Documentation Updates

You can download the latest revision to the IBM® OpenPages® with Watson™ 8.2 documentation set from the IBM information server at:

<https://www.ibm.com/support/pages/openpages-watson-documentation-version-82>

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