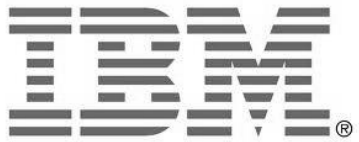


IBM OpenPages with Watson  
Version 8.2.0.4.1

*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™ 8.2.0.4 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 8.2.0.4 to 8.2.0.4 IF1 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 8.2.0.4 IF1**

- Security fixes

## Before You Begin

### Prerequisite Software

Prior to installing IBM® OpenPages® with Watson™ 8.2.0.4 IF1, OpenPages 8.2.0.4 must be installed. To install IBM® OpenPages® with Watson™ 8.2.0.4 IF1, use the OpenPages 8.2.0.4 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/docs/en/opw/8.2.0?topic=only-openpages-installation-server-app>

## 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
<OPBackup8204>	Linux	<OP_Home>/installer/maintenance/interim-fix-8.2.0.4.1/backups_from_8.2.0.4[.X] where <b>X</b> is the most recently installed interim fix version, if any
	Windows	<OP_Home>\installer\maintenance\interim-fix-8.2.0.4.1\backups_from_8.2.0.4[.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
<CCBackup8204>	Linux	<CC_Home>/installer/maintenance/interim-fix-8.2.0.4.1/backups_from_8.2.0.4[.X] where <b>X</b> is the most recently installed interim fix version, if any
	Windows	<CC_Home>\installer\maintenance\interim-fix-8.2.0.4.1\backups_from_8.2.0.4[.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
<OPSearchBackup8204>	Linux	<OPSearch_Home>/installer/maintenance/interim-fix-8.2.0.4.1/backups_from_8.2.0.4[.X] where <b>X</b> is the most recently installed interim fix version, if any
	Windows	<OPSearch_Home>\installeraintenance\interim-fix-8.2.0.4.1\backups_from_8.2.0.4[.X] where <b>X</b> is the most recently installed interim fix version, if any

## Installation Tasks

To install IBM® OpenPages® with Watson™ 8.2.0.4 IF1, perform the following tasks.

### Task 1: 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 2: Apply the OpenPages 8.2.0.4 IF1

Use the 8.2.0.4 OpenPages installer to apply the 8.2.0.4.1 Interim fix. Perform the following steps as the user that setup the Installation Server.

Using the installation app, do the following:

- 2.1 Ensure that the OpenPages 8.2.0.4 installation server is running and that the OpenPages 8.2.0.4 installer agents on the remote servers in the deployment (if applicable) are also running.
- 2.2 Copy the **openpages\_interimFix\_8-2-0-4-1.zip** file from the interim fix kit into the `<InstallerMaintenance>` directory on the installation server.
- 2.3 Open the existing 8.2.0.4 deployment and press the browser’s **Refresh** button to refresh the installation app.
- 2.4 Click the `Deployment Task` drop-down and select `Interim Fix` and select `8.2.0.4.1` in the `Version` drop-down.

Perform the **Validate**, **Install**, and **Configure** actions to apply the interim fix updates to the OpenPages 8.2.0.4.x deployment.

Note: Each file in the OpenPages deployment that is replaced by the interim fix content is automatically backed up into the `<OPBackup8204>`, `<CCBackup8204>`, or `<OPSearchBackup8204>` folder, as applicable.

### Task 3: Stop and Restart all OpenPages servers and services

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

When restarting the OpenPages application servers, use the `--clean` option.

For example

```
./startAllServer.sh --clean
```

# Uninstalling this Patch

Uninstalling 8.2.0.4 IF1 will revert the system to the previous patch level.

To uninstall IBM® OpenPages® with Watson™ 8.2.0.4 IF1, perform the following tasks as the user that setup the Installation server.

## Task 1: 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 2: Manually restore the previous patch version from the backups

Manually restore the previous OpenPages patch level from the <OPBackup8204>, <CCBackup8204>, or <OPSearchBackup8204> directories created during the 8.2.0.4.1 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

- 2.1 Navigate to the <OP\_Home>/applications directory.
- 2.2 Copy the following file from the <OPBackup8204>/applications directory:
  - op-apps.ear
- 2.3 Navigate to the <OP\_APP\_Home> directory.
- 2.4 Copy the following files from the <OPBackup8204>/wlp-usr/shared/apps/op-apps.ear directory:
  - aurora.jar
  - aurora-tools.jar
  - opappsosauupdate.jar
  - opappbase.jar
  - reporting.jar
  - com.ibm.openpages.env.comparison.jar
- 2.5 Navigate to the <OP\_APP\_Home>/sosa.war/WEB-INF/lib directory
- 2.6 Copy the following file from the <OPBackup8204>/wlp-usr/shared/apps/op-apps.ear/sosa.war/WEB-INF/lib directory:
  - opappcommon.jar
- 2.7 Navigate to the <OP\_APP\_Home>/sosa.war/META-INF directory
- 2.8 Copy the following file from the <OPBackup8204>/wlp-usr/shared/apps/op-apps.ear/sosa.war/META-INF directory:
  - MANIFEST.MF
- 2.9 Navigate to the <OP\_APP\_Home>/publishweb.war/WEB-INF/lib directory

- 2.10 Copy the following file from the <OPBackup8204>/wlp-usr/shared/apps/op-apps.ear/publishweb.war/WEB-INF/lib directory.
- opappcommon.jar
- 2.11 Navigate to the <OP\_APP\_Home>/publishweb.war/META-INF directory
- 2.12 Copy the following file from the <OPBackup8204>/wlp-usr/shared/apps/op-apps.ear/publishweb.war/META-INF directory.
- MANIFEST.MF
- 2.13 Navigate to the <OP\_APP\_Home>/taskui.war/META-INF directory
- 2.14 Copy the following file from the <OPBackup8204>/wlp-usr/shared/apps/op-apps.ear/taskui.war/META-INF directory.
- MANIFEST.MF
- 2.15 Navigate to the <OP\_APP\_Home>/META-INF directory
- 2.16 Copy the following file from the <OPBackup8204>/wlp-usr/shared/apps/op-apps.ear/META-INF directory.
- MANIFEST.MF
- 2.17 Navigate to the <OP\_APP\_Home> directory
- 2.18 Delete the following files
- log4j-api-2.15.0.jar
  - log4j-core-2.15.0.jar
  - log4j-jcl-2.15.0.jar
  - log4j-jul-2.15.0.jar
  - log4j-slf4j-impl-2.15.0.jar
- 2.19 Copy the following file from the <OPBackup8204>/wlp-usr/shared/apps/op-apps.ear directory.
- log4j-api-2.14.1.jar
  - log4j-core-2.14.1.jar
  - log4j-jcl-2.14.1.jar
  - log4j-jul-2.14.1.jar
  - log4j-slf4j-impl-2.14.1.jar
- 2.20 Navigate to the <OP\_Home>/bin directory.
- 2.21 Copy the following file from the <OPBackup8204>/bin directory:
- QuestionnaireUtility.cmd
  - QuestionnaireUtility.sh
  - RpsRpf.cmd
  - RpsRpf.sh
  - NotificationManager.sh
  - NotificationManager.cmd
  - ObjectManager.cmd
  - ObjectManager.sh
  - chng-sys-password.cmd
  - chng-sys-password.sh
  - UpdatePasswordEncryptionAlgorithm.cmd
  - UpdatePasswordEncryptionAlgorithm.sh
- 2.22 Navigate to the <OP\_Home>/lib directory



- 2.23 Delete the following files
- log4j-api-2.15.0.jar
  - log4j-core-2.15.0.jar
  - log4j-slf4j-impl-2.15.0.jar
- 2.24 Copy the following file from the <OPBackup8204>/lib directory
- log4j-api-2.14.1.jar
  - log4j-core-2.14.1.jar
  - log4j-slf4j-impl-2.14.1.jar
- 2.25 Navigate to the <OP\_Home>/aurora/bin/compare\_environments directory
- 2.26 Delete the following files
- log4j-api-2.15.0.jar
  - log4j-core-2.15.0.jar
  - log4j-slf4j-impl-2.15.0.jar
- 2.27 Copy the following file from the <OPBackup8204>/aurora/bin/compare\_environments directory
- log4j-api-2.14.1.jar
  - log4j-core-2.14.1.jar
  - log4j-slf4j-impl-2.14.1.jar
- 2.28 Navigate to the <OP\_Home>/aurora/bin/compare\_environments directory
- 2.29 Copy the following file from <OPBackup8204>/aurora/bin/compare\_environments directory
- com.ibm.openpages.env.comparison.jar
- 2.30 Navigate to the <OP\_Home>/aurora/op-ext-lib directory
- 2.31 Delete the following file
- log4j-1.2-api-2.15.1.jar
- 2.32 Copy the following file from the <OPBackup8204>/aurora/op-ext-lib directory
- log4j-1.2-api-2.14.1.jar
- 2.33 Navigate to the <OP\_Home>/aurora/conf directory
- 2.34 Copy the following file from the <OPBackup8204>/aurora/conf directory:
- versioninfo.txt
- 2.35 Navigate to the <OP\_Home>/Notices directory.
- 2.36 Copy the following file from the <OPBackup8204>/Notices directory:
- Notices.doc
- 2.37 Navigate to the <OP\_Home>/license directory.
- 2.38 Copy the following file from the <OPBackup8204>/license directory:
- notices
- 2.39 Navigate to the <OP\_Home> directory.
- 2.40 Copy the following file from the <OPBackup8204> directory:
- openpagesregistry.xml

## Reporting Servers

On each Reporting Server, do the following

### 2.1 Navigate to the

<CC\_Home>/wlp/usr/servers/IBMOpenPagesFrameworkModelGenerator/apps/crf-refresher.war/WEB-INF/lib/ directory.

### 2.2 Delete the following files

- log4j-api-2.15.0.jar
- log4j-core-2.15.0.jar
- log4j-jcl-2.15.0.jar
- log4j-jul-2.15.0.jar

### 2.3 Copy the following file from the

<CCBackup8204>/wlp/usr/servers/IBMOpenPagesFrameworkModelGenerator/apps/crf-refresher.war/WEB-INF/lib/ directory.

- log4j-api-2.14.1.jar
- log4j-core-2.14.1.jar
- log4j-jcl-2.14.1.jar
- log4j-jul-2.14.1.jar
- aurora-tools.jar
- reporting.jar

### 2.4 Navigate to the <CC\_Home>/temp/p2pd directory

### 2.5 Copy the following file from the <CCBackup8204>/temp/p2pd directory

- aurora-tools.jar

### 2.6 Navigate to the <cognos\_home>/webapps/p2pd/WEB-INF/lib directory

### 2.7 Copy the following file from the <CCBackup8204>/COGNOS/webapps/p2pd/WEB-INF/lib directory

- aurora-tools.jar

### 2.8 Navigate to the <CC\_Home>/license directory.

### 2.9 Copy the following file from the <CCBackup8204>/license directory:

- notices

### 2.10 Navigate to the <CC\_Home> directory.

### 2.11 Copy the following file from the <CCBackup8204> directory:

- openpagesregistry.xml

## Global Search Server

On the Global Search Server, do the following

### 2.1 Navigate to the <OPSearch\_Home> /opsearchtools directory.

2.2 Copy the following file from the <OPSearchBackup8204>/opsearchtools directory:

- opsearchtool.jar

2.3 Navigate to the <OPSearch\_Home> /Notices directory.

2.4 Copy the following file from the <OPSearchBackup8204>/Notices directory:

- Notices.doc

2.5 Navigate to the <OPSearch\_Home> directory.

2.6 Copy the following file from the <OPSearchBackup8204> directory:

- openpagesregistry.xml

## Task 3: 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 4: 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.

When restarting the OpenPages application servers, use the --clean option.

For example

```
./startAllServer.sh --clean
```

## 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>

Or you can use the IBM® OpenPages® with Watson™ 8.2 Documentation at

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