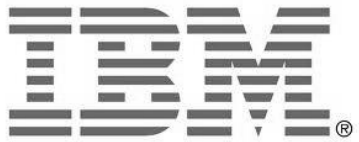


IBM OpenPages  
Version 9.0.0.3.1

*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® 9.0.0.3 and may also apply to subsequent releases.

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### **Documentation Release Information**

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# Contents

<b>Introduction.....</b>	<b>4</b>
<b>Defect Fixes, Enhancements, and Known Issues .....</b>	<b>4</b>
Defect Fixes.....	4
<b>Before You Begin .....</b>	<b>4</b>
Prerequisite Software.....	4
General Information .....	4
Backup the existing environment .....	5
<b>Installation Tasks .....</b>	<b>5</b>
Decide whether to update the OpenPages database manually .....	5
Task 1: Stop OpenPages Installation server.....	5
Task 2: Apply Installation Server Updates .....	5
Task 3: Start OpenPages Installation server .....	6
Task 4: Patching Install Agents .....	6
Task 5: Ensure that all OpenPages servers and services are running except the Global Search server .....	6
Task 6: Apply the OpenPages 9.0.0.3 IF1 .....	6
Task 7: Stop and Restart all OpenPages servers and services .....	6
<b>Uninstalling this Patch.....</b>	<b>7</b>
Start all OpenPages servers and services.....	7
<b>Documentation Updates .....</b>	<b>7</b>
<b>Notices.....</b>	<b>8</b>
<b>Copyright.....</b>	<b>10</b>

# Introduction

This Interim Fix updates the IBM® OpenPages® environment from version 9.0.0.3 or previous 9.0.0.3.x interim fix to 9.0.0.3 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, or Known issue ID if available, is shown in parentheses after a description. For example: (DT123456).

#### **OpenPages 9.0.0.3 IF1**

- Security updates
- Performance issues with custom views, after importing configuration files multiple times (DT390684)
- The object field under 'Key Items for this Action' does not display the Validation in the proper sequence and formatting (DT392032)

## Before You Begin

### Prerequisite Software

Prior to installing IBM® OpenPages® 9.0.0.3 Interim fix (IF1), OpenPages 9.0.0.3 must be installed. To install IBM® OpenPages® 9.0.0.3 IF1, use the OpenPages 9.0.0.3.1 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](#) in the *IBM® OpenPages® Installation and Deployment Guide*

## Backup the existing environment

When you install an interim fix, the installation server automatically backs up most files for you.

The backup files are stored on each server in your deployment in the `<server_home>/installer/maintenance/interim-fix-<version>/backups_from_<previous-version>` directory.

However, some files need to be backed up manually. You also need to back up the databases and the openpages-storage directory.

For details, see the [Back up your existing environment](#) in the IBM® OpenPages® *Installation and Deployment Guide*

## Installation Tasks

To install IBM® OpenPages® 9.0.0.3 IF1, perform the following tasks.

### Decide whether to update the OpenPages database manually

When installing this interim fix, you can choose to update the database by running scripts. Use this option if you do not want to enter DBA credentials in the installation app. It is not mandatory to update the database server manually. You can use the OpenPages® installation app to update the database automatically if you prefer.

If you decide to update the database manually, please see the following topic in the *IBM® OpenPages® with Watson™ Installation and Deployment Guide* at

Db2: Update the OpenPages database manually (DB2®)  
<https://www.ibm.com/docs/en/opw/9.0.0?topic=packs-update-openpages-database-manually-db2>

Oracle: Update the OpenPages database manually (Oracle)  
<https://www.ibm.com/docs/en/opw/9.0.0?topic=packs-update-openpages-database-manually-oracle>

Note: The steps to be performed for this interim fix are the same as those performed for the OpenPages 9.0.0.x fix packs, but the `<fix_pack_kit>/OP_<version>_Main/OP_<version>_Configuration/Database/<database_type>/PATCH_SCRIPTS` directory mentioned in the steps should be replaced with the IBM OpenPages with Watson 9.0.0.3.x media location of:  
`<interim_fix_kit>/Database/<database_type>/PATCH_SCRIPTS`

### 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® with Watson™ 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\_9-0-0-3-1.zip** from the kit
- 2.2 Navigate to the `<InstallerHome>` directory and run the command “**npm run upgrade**” from a command or shell window.
- 2.3 Navigate to the `<InstallerHome> /install/<OS>` directory and run the command `<OPInstallerHome>/install/<OS>/upgradeNode.sh|bat --acceptLicense`

## Task 3: Start OpenPages Installation server

Note: For details, see the “Starting the installation server” topic in the *IBM® OpenPages® with Watson™ Installation and Deployment Guide*

## 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](#) in the *IBM® OpenPages® Administrator's Guide*

## Task 6: Apply the OpenPages 9.0.0.3 IF1

Use the 9.0.0.3.1 OpenPages installer to apply the 9.0.0.3.1 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 9.0.0.3.1 installation server is running and that the OpenPages 9.0.0.3.1 installer agents on the remote servers in the deployment (if applicable) are also running.
- 2.2 Copy the **openpages\_interimFix\_9-0-0-3-1.zip** file from the interim fix kit into the `<InstallerHome>/src/assets/maintanance` directory on the installation server.
- 2.3 Open the existing 9.0.0.3 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 `9.0.0.3.1` in the `Version` drop-down.
- 2.5 Perform the **Validate**, **Install**, and **Configure** actions to apply the interim fix updates to the OpenPages 9.0.0.3 deployment.

## Task 7: Stop and Restart all OpenPages servers and services

Note: For details, see the [Starting and stopping servers](#) in the *IBM® OpenPages® Administrator's Guide*.

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

For example

```
./startAllServers.sh --clean
```

## Uninstalling this Patch

Uninstalling 9.0.0.3 IF1 will revert the system to the previous patch level.

To uninstall the interim fix, please see the [Rolling back a fix pack](#) topic in the in the *IBM® OpenPages® Installation and Deployment Guide*

Note: The steps to be performed to roll back the interim fix are the same as those performed for rolling back the OpenPages 9.0.0.x fix packs, but the

`<server_home>/installer/maintenance/fix-pack-<version>/backups_from_<previous-version>`

directory mentioned in the steps should be replaced with the

`<server_home>/installer/maintenance/interim-fix-<version>/backups_from_<previous-version>`

directory.

## Start all OpenPages servers and services

Note: For details, see the [Starting and stopping servers](#) in the *IBM® OpenPages® Administrator's Guide*.

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

For example

```
./startAllServers.sh --clean
```

## Documentation Updates

You can use the [IBM OpenPages 9.0.0](#) documentation.

or

can download the [PDF versions of the IBM OpenPages 9.0.0 product documentation](#).

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