



Rosetta 8.1 Service Pack Installation Guide

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Rosetta Service Packs and the Service Pack Utility (util_sp)

A Rosetta Service Pack is an update that includes all changes made since the last Rosetta version was made available. It includes bug fixes, improvements, and new features, and it is a combination of many individual changes, thoroughly tested and delivered in a coordinated way. The package is delivered through the Service Pack Utility (util_sp). To use util_sp, log in to the Rosetta application server as the dps user and run:

```
>>dps_util  
>>util sp
```

The Service Pack installation procedure as described in this document is for Rosetta 8.1.

Known issues affecting this release will be posted to the Customer Knowledge Center. Customers are advised to consult relevant articles before upgrading.

It is highly recommended to read through this entire document before upgrading your system.

Part 2 of this document provides end-to-end instructions for the Rosetta SP installation procedure. Part 3 explains when and how to update your third-party component package. Part 4 describes how to configure your util_sp (this is typically done during implementation phase).

Duration

A typical version upgrade will take up to 30 minutes. Actual duration varies from environment to environment, based on number of servers, network performance, the size of your repository, and other factors.

Rosetta servers can be upgraded in parallel. However, it is highly recommended to complete the upgrade for one server first before upgrading the other servers in parallel. This means that a typical multi-server environment upgrade should take under an hour.

Note: The update of the database is performed by the SP install done on the first server. The subsequent servers only make sure that the database is updated without re-updating it.

Prerequisites

Each Rosetta version has prerequisites that must be completed before an upgrade procedure process can begin.

The following list must be complied with before installing 8.1:

- Rosetta version must be **8.0** or later.
- The Rosetta servers must run one of the following Operating Systems:
 - Red Hat 7
 - Red Hat 8
- The Oracle database must run one of the following Oracle versions:
 - 12.1
 - 19

Release Notes

The Rosetta release notes are published on the Ex Libris Knowledge Center as an Excel spreadsheet.

The naming convention of the Excel files is as follows:

Rosetta <version number> Release Notes.xls.

This document includes four sheets, as follows:

- The first sheet is an introduction to the current service pack. It contains the version number and other instructions if relevant.
- The second sheet, **Announcements**, contains important information about the latest and/or upcoming Rosetta versions.
- The third sheet, **Improvements**, lists new features and enhancements provided in this version.
- The fourth sheet, **Defect Fixes**, contains change description and implementation notes of the defects that are part of the current service pack.

Each change includes brief release notes that explains what has been changed, or, where necessary, what manual changes should be applied after the upgrade is complete. Where applicable, the Rosetta user guides (and online help) have been updated to provide more comprehensive information. Please also note any references to KCS articles which provide additional relevant information.



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Upgrading Rosetta (util_sp 2)

The Rosetta upgrade process includes all necessary steps to make sure your system is up to date and compliant with all Rosetta pre-requisites.

Note: Operating system packages are checked but not updated by Ex Libris. In the event that `util_sp` indicates such an update is required, advise your system administrator before proceeding with the upgrade.

Before running this step, run `dps_stop` to stop Rosetta and then shut down Apache on the PDS server. After upgrading, restart in reverse order: Start Apache on the PDS server, then run `dps_start` on all application servers. The Oracle database should NOT be shut down.

Before upgrading Rosetta, `util_sp` will automatically check for and install updates for third-party components used by Rosetta. This includes `util_sp` itself.

Note: More information on third-party components and their respective versions can be obtained by running the `ver_full` command.

Once all third-party components have been updated, `util_sp` will present a list of available Rosetta versions to install.

Note: This list may include versions that are not relevant for your environment. It is advised to determine in advance with version you plan to install. If you have any questions regarding which versions is advisable to install, please contact Rosetta Support. Please also refer to the list of prerequisites in Part 1 of this document.

The list of Rosetta version naming convention is `Rosetta-[major].[minor]-ServicePack-[sp]`. In the example output below, `Rosetta-4.0-ServicePack-1` means version 4.0.1.

```
The following Service Packs are available:  
1. Rosetta-4.0-ServicePack-0  
2. Rosetta-4.0-ServicePack-1  
3. Rosetta-4.2-ServicePack-0
```

Rosetta will download the selected version. At the end of the download process, the system will send you a message reporting on the success or failure of the process.

If you have already downloaded the Service Pack on one of the servers in your cluster to a shared location, `sp_util` will indicate this:

```
The following Service Packs are available:
1. Rosetta-4.2-ServicePack-0      DOWNLOADED
2. Rosetta-4.0-ServicePack-0
3. Rosetta-4.0-ServicePack-1
4. Rosetta-4.2-ServicePack-0
```

Select the downloaded package on your other servers to avoid unnecessary downloading.

Rosetta will then prompt you to install the service pack or to quit, in case you do not wish to proceed with the installation at this stage. If you chose to quit, the downloaded package will be listed among the available versions the next time you run `util sp 2`.

Note:

When installing multiple Rosetta service packs (for example, upgrading directly from v. 7.0 to 8.1, via 7.4), you must restart Rosetta after each service pack installation for several one-time scripts to run properly.

Rolling Back a Rosetta Service Pack (util sp 5)

This step rolls back Rosetta to the previously installed version.

Note: Third party components are not rolled back. In the event this is necessary, please contact Rosetta Support.

Before running this step, run `dps_stop` to stop Rosetta and then shut down Apache on the PDS server. After upgrading, restart in reverse order: Start Apache on the PDS server, then run `dps_start` on all application servers. The Oracle database should NOT be shut down.

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Updating Third-Party Components (util sp 3)

Updating third-party components without updating Rosetta may be desirable when Ex Libris provides an updated package between Rosetta releases. This typically occurs when there is a security need or a vendor has released an important patch. If you are upgrading Rosetta, third-party components will be updated automatically and there is no need to run this step.

Before running this step, run `dps_stop` to stop Rosetta and then shut down Apache on the PDS server. After upgrading, restart in reverse order: Start Apache on the PDS server, then run `dps_start` on all application servers. The Oracle database should NOT be shut down.

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Configuring the Service Pack Installation Utility (util sp 1)

Through the `util sp` menus you can configure parameters to download the latest available service pack, check the download, and receive an automatic e-mail confirmation after the download and installation are completed. Run `util sp 1` to enter the `util_sp` configuration:

```
SP.1. Environment Setting
-----
0. Exit Procedure
1. Customer details
2. FTP settings
3. SP Download directory
4. View Parameters

Please select [exit]:
```

Customer Details (util sp 1.1)

This step configures and updates the following parameters used in later steps.

You are asked to enter values or confirm the default ones. Make sure to receive in advance the relevant information from Ex Libris:

- Your Ex Libris customer code
- Your email address
- Language

These parameters are saved in case you want to use `util_sp` again at a later date.

```
SP Customer details
-----
Enter new values or press <Enter> to keep existing

Ex Libris customer code (country code + customer) [972DAN]:
```

```
Customer mail address for download status notifications (leave empty for none)
[Danny.Perlman@exlibrisgroup.com]
```

```
If you want to change the language please type it now [english]:
(This is an option for future usage)
```

```
Configuration summary:
```

```
-----
Language:                english
Customer code:           972DAN
Notification address:    Danny.Perlman@exlibrisgroup.com
```

```
Press <Enter> to continue Press
```

FTP Settings (util sp 1.2)

Select the FTP server for SP download:

```
SP FTP settings
```

```
-----
Enter new values or press <Enter> to keep existing
```

```
Select FTP server number for SP download:
```

```
1) Europe                downloads-eu.hosted.exlibrisgroup.com
2) USA/Asia Pacific     downloads-na.hosted.exlibrisgroup.com
3) Asia                  downloads-ap.hosted.exlibrisgroup.com
4) Canada                downloads-ca.hosted.exlibrisgroup.com
5) China                 downloads-cn.hosted.exlibrisgroup.com
<Enter> to keep current (downloads-eu.hosted.exlibrisgroup.com)
```

```
FTP user for SP download [rosetta_sp@customers.gl]:
```

```
FTP special options [passive]:
*** for firewall connection problems try 'passive'
For details check the utility documentation
```

```
Configuration summary:
```

```
-----
FTP server:              downloads-eu.hosted.exlibrisgroup.com
FTP user:                rosetta_sp@customers.gl
FTP options:             passive
```

```
Press <Enter> to continue
```

SP Download Directory (util sp 1.3)

Enter the path for the SP download. Set this to the shared location `$op_dir/service_pack/download` so all servers can use the same download package. Use this even if you are running Rosetta on only one server at this time.

View Parameters (util sp 1.4)

You may view your defined settings:

```
Configuration summary:
-----
FTP server:                downloads-eu.hosted.exlibrisgroup.com
FTP user:                  rosetta_sp@customers.gl
FTP options:               passive
Language:                  english
Service                    pack                download                dir:
/exlibris/dps/d4_1/profile/operational_shared/service_pack/download
Customer code:             972EXL
Notification address:      nir.kashi@exlibrisgroup.com

Press <Enter> to continue
```