

HPE Operations Bridge Reporter

Software Version: 10.21 Windows® and Linux operating systems

Migration Guide

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Chapter 1: Introduction

This guide explains processes and procedures that help you to migrate data from the previous versions of Service Health Reporter (SHR) (9.3x/9.4x) to current version of Operations Bridge Reporter (OBR). It provides information about preparing, migrating and validating your system post migration.

Note: Service Health Reporter is now Operations Bridge Reporter.

Need for Migration

SHR 9.x bundles the following components:

- SHR 9.x server
- SAP BusinessObjects server
- Sybase IQ server
- Remote Collector

OBR 10.x bundles the following components:

- OBR 10.x server
- SAP BusinessObjects server
- Vertica server
- Remote Collector

You have to migrate data from previous versions of SHR (9.x) to current version of OBR system for the following reasons:

SHR 9.x	OBR 10.x
Used SAP BusinessObjects 3.x as the reporting platform	Uses SAP BusinessObjects 4.x as the reporting platform
Used Sybase IQ as the database	Uses Vertica as database
Sybase IQ database supported on Windows 2008 operating system	Vertica database is supported only on Linux operating system

For more information on the supported operating system, see *Operations Bridge Reporter Support Matrix*.

Audience

The information in this guide is intended for users who have administrator access.

Chapter 2: Migration Process Overview

This section gives you an overview of the migration process from SHR 9.3x/9.4x to OBR 10.21 in different deployment options using the Side-by-Side migration.

In Side-by-Side migration, OBR 10.21 is installed on a different system and the data is migrated from SHR 9.3x/9.4x to OBR 10.21 system. Additional systems are required for this type of migration. This migration method ensures SHR 9.3x/9.4x system is functional until OBR 10.21 is operational on a parallel system.

Note: For information to install OBR 10.20 using different install scenarios, see *Operations Bridge Reporter Interactive Installation Guide*.

Migration of Typical Install (Single System)

Following is the approach for migration of SHR 9.3x/9.4x typical install:

On Linux



- Install OBR 10.20 on a Linux system. Apply the OBR 10.21 patch.
- Migrate data and configuration from SHR 9.x to OBR 10.21 system.
- Validate the OBR 10.21 system and decommission SHR 9.3x/9.4x system.



- Install OBR 10.20 server on Windows 2012 and database (Vertica) on Linux. Apply the OBR 10.21 patch on both the servers.
- Migrate data and configuration from SHR 9.x to OBR 10.21 system.
- Validate the OBR 10.21 system and decommission SHR 9.3x/9.4x system.

Migration of Custom Install (Distributed System)

Following is the approach for migration of SHR 9.3x/9.4x custom install:



On Linux

 Install OBR 10.20 server and database on different systems. Apply the OBR 10.21 patch on both the servers.

Note: In a custom install scenario, make sure that the OBR 10.21 patch is applied to all the OBR component servers.

- Migrate data and configuration to OBR 10.21.
- Validate the OBR 10.21 and decommission SHR 9.3x/9.4x.

On Windows



 Install OBR 10.20 server on Windows 2012 and database (Vertica) on Linux systems. Apply the OBR 10.21 patch on both the servers.

Note: In a custom install scenario, make sure that the OBR 10.21 patch is applied to all the OBR component servers.

- Migrate data and configuration from SHR 9.x and import it to OBR 10.21.
- Validate the OBR 10.21 and decommission SHR 9.3x/9.4x.

Chapter 3: Getting Started

This chapter helps you to prepare for migration before you start the migration process.

Planning for Migration

Perform the following steps to prepare for migration:

1. You must ensure that the system(s) that you plan to install OBR 10.20 is ready with all the sizing requirements completed.

Note: The requirements for the OBR 10.20 setup is significantly different from SHR 9.x. For OBR 10.20 sizing information, see *Operations Bridge Reporter Performance, Sizing and Tuning Guide*.

For information on supported Operating System, see *Operations Bridge Reporter Support Matrix*.

In a typical scenario, apply the OBR 10.21 patch on the OBR 10.20 setup. In a custom install scenario, make sure that the OBR 10.21 patch is applied to all the OBR component servers.

- 2. Identify the data that has to be migrated. Also, identify the Content pack and the amount of data that you want to migrate.
- 3. Following are the storage requirements for SHR 9.3x/9.4x system for data export:
 - a. Migration process is input/output intensive and the performance of migration is highly dependent on the disk performance. It is recommended to use a disk with 15,000 rpm or high performance for Migration.
 - b. You must make sure that the disk is accessible from the OBR 10.20 system during import.
 - c. The calculator feature in Migration can be used to calculate the downtime and the disk space required for exporting the specified data. For steps, see Task 2: Migration Precheck > Step calc.
- 4. Sybase IQ database in SHR 9.x uses main, temporary, and large buffer caches for database operations. You can increase the value of the buffer cache using the parameters iqmc, iqtc and iqlm located in the {PMDB_HOME}/config/pmdbconfig.cfg file for better database performance. Depending on the physical memory available in the system you can allocate the memory to the

Sybase IQ database.

After changing the values of the buffer cache, you must restart the Sybase IQ database.

- 5. Take a backup of the existing SHR data. For more information on backup, see the relevant version Service Health Reporter Disaster Recovery Guide.
- 6. Migrating from SHR 9.3x/9.4x to OBR 10.20 does not require a new license key.

If there is a change in IP address, the rehost option in Licensing portal can be used to obtain the license key. You can either use the new Software Entitlement system website or log on to Administration Console and go to Administration > Licensing > Launch HPE Password Center and use the rehost option.

- 7. Identify the content that requires manual migration. The configurations that should be manually created in OBR 10.20 post migration are:
 - a. OBR 10.20 uses the new universe format (unx) so schedules cannot be migrated. You should plan to recreate the schedules post migration.
 - b. LDAP Settings and Server configuration settings on SAP BusinessObjects.
 - c. User rights configured in SAP BusinessObjects.
 - d. Users, User Groups and most of the Access Control List (ACL) can be migrated. However, the access level settings at folder, report or any other objects are not migrated. You should manually apply the security settings for each objects after migration to realign with the previous ones.

Note: The SAP BusinessObjects default users are not migrated.

e. Security configuration: https, SSO and Client Authentication Certificate.

Note: The SAP BusinessObjects audit database and Orchestration (ABC) history data cannot be migrated.

8. Determine if you have custom content deployed on your SHR 9.3x/9.4x instance and plan the migration for custom content. Refer Migration Steps for Custom Content section for more details.

Migration Best Practices

Following are the best practices to reduce downtime during migration:

Migration Guide

- Migrate in chunks this helps to bring the OBR 10.20 system up early and start the collections.
- Threads: This is a tunable parameter in Migration.conf file which gets created after precheck. The default value is 20. If the I/O is under utilized then the value for the threads can be increased.

Chapter 4: Migration Steps

This chapter guides you with the steps to perform migration.

Task 1: Pre-migration

1. Install OBR 10.20. You can choose to install different components of OBR on a single system or different systems. For information on OBR 10.20 installation, see *Operations Bridge Reporter Interactive Installation Guide*.

If you have configured Remote Collectors, ensure that the number of collectors configured in OBR 10.20 should be same as the number of collectors configured in SHR 9.3x/9.4x.

2. Perform the Post-installation steps. For more information on post-installation steps, see *Operations Bridge Reporter Configuration Guide*.

Note: You must not configure the Data Source and Topology Source at this stage.

Deploy the same set of content packs that were deployed on SHR 9.3x/9.4x system on OBR 10.20 using the Deployment Manager in the Administration Console.

3. Install the OBR 10.21 patch. For steps, see Operations Bridge Reporter Release Notes for 10.21.

For OBR 10.20 custom install scenario, install the OBR 10.21 patch on all the systems.

4. From OBR 10.21 system, go to the location {PMDB_HOME}, copy the OBR9x_10x_Migration_ Binaries.zip file to the {PMDB_HOME} location in SHR 9.3x/9.4x system.

Note: If SHR 9.3x/9.4x components are on Linux operating system, copy the OBR9x_10x_ Migration_Binaries.zip file from OBR 10.21 on Linux operating system.

In case of SHR 9.3x/9.4x custom install scenario, copy the OBR9x_10x_Migration_ Binaries.zip file to all the SHR 9.3x/9.4x server components.

 Unzip OBR9x_10x_Migration_Binaries.zip file in all SHR 9.3x/9.4x system(s). The {PMDB_ HOME}/Migration folder will be created.

Similarly, unzip OBR9x_10x_Migration_Binaries.zip file in all OBR 10.21 system(s). The {PMDB_HOME}/Migration folder will be created.

6. If any of the SHR 9.3x/9.4x component(s) is installed on Linux Operating System, perform the

following steps:

- a. Go to {PMDB_HOME}/Migration folder.
- b. Run the following command to give permission for setup.sh file:

chmod 777 setup.sh

c. Run the command: ./setup.sh

Similarly, perform the following for OBR 10.21 component(s) installed on Linux Operating System:

- a. Go to {PMDB_HOME}/Migration folder.
- b. Run the following command to give permission for setup.sh file:

chmod 777 setup.sh

c. Run the command: ./setup.sh

Task 2: Migration Precheck

1. Stop the collection and timer service on SHR 9.3x/9.4x server and wait for all the data to be processed, follow these steps:

Note: If you have installed SHR 9.3x/9.4x Remote Collector, stop the collection service on the remote collector system.

On Windows:

- a. Click Start > Run. The Run dialog box appears.
- b. Type services.msc in the open field, and then press ENTER. The Services window appears.
- c. Right-click on the following services and click Stop:

HP_PMDB_Platform_Collection

HP_PMDB_Platform_Timer

On Linux:

a. Go to the /etc/init.d directory, run the following commands on the command prompt:

On RHEL 6.x:

- service HP_PMDB_Platform_Collection stop
- service TrendTimer stop

2. On SHR 9.3x/9.4x server, make sure that the PostgreSQL service is running, follow these steps:

On Windows:

- a. Click **Start > Run**. The Run dialog box appears.
- b. Type services.msc in the open field, and then press ENTER. The Services window appears.
- c. Check the status for the following service is Running:

HP_PMDB_Platform_PostgreSQL

If the service is not running, right-click on the service and click Start.

On Linux:

Go to the /etc/init.d directory, run the following commands on the command prompt:

On RHEL 6.x: service HP_PMDB_Platform_PostgreSQL status

If the service is not running, run the following command:

On RHEL 6.x: service HP_PMDB_Platform_PostgreSQL start

The status of the service must be Running.

3. On the SHR 9.3x/9.4x server execute the Migration Utility Precheck command to validate the readiness for data export.

On successful precheck the following are created in the specified $\langle path \rangle$ of the SHR 9.3x/9.4x server:

- Migration.conf file
- Summary folder with PrecheckSummary html

Note: You should take necessary actions on "Pre-check failed" message from the Pre-check tool.

4. In case of remote SAP BusinessObjects server in SHR 9.3x/9.4x, copy the config.prp file from {PMDB_HOME}/data of SHR 9.3x/9.4x server to {PMDB_HOME}/data in SHR 9.3x/9.4x SAP BusinessObjects server.

In case of remote Sybase IQ server, copy the config.prp file from {PMDB_HOME}/data of SHR 9.3x/9.4x server to {PMDB_HOME}/data in Sybase IQ server.

5. The -calc option in migrationUtility must be run on the SHR 9.3x/9.4x Sybase IQ server to calculate the downtime and the disk space required for exporting the specified data.

Note: Make sure to execute the precheck option on the SHR 9.3x/9.4x server before executing -calc option.

Run the following command:

```
migrationUtility -calc <number of days>/-startDate <YYYY-MM-DD> -endDate <YYYY-
MM-DD>
```

You can type the number of days or the start date and end date to calculate the downtime and the disk space required for exporting the data for the specified days.

Note: The value displayed after running the -calc option is based on the benchmarks performed in the lab.

6. After successful precheck, in case of SHR 9.3x/9.4x custom install scenario, copy the folder that is created after precheck to all the SHR 9.3x/9.4x server components.

Task 3: Export

 Execute the Migration Utility Export command to export Content Packs data, SAP BusinessObjects artifacts and Data Source Configuration in a zipped file format from SHR 9.3x/9.4x system(s).

Note: In SHR 9.3x/9.4x system during the export, the content data is exported from Sybase server, data source configuration from SHR server and BusinessObjects artifacts from SAP BusinessObjects server. In case of SHR custom (distributed) installation scenarios, run the export tool from each of SHR 9.3x/9.4x servers.

On successful export the following folders are created in the specified $\langle path \rangle$ of the SHR 9.3x/9.4x system(s):

- Summary folder with ExportSummary html
- BusinessObjects folder with exported artifacts details. This folder consists of the following folders:
 - i. OBR.biar: The BIAR file.
 - ii. bo.ini: This file lists all the SAP BusinessObjects configurations that will be to be imported to the OBR 10.21 system
 - iii. export.log: This is a text log file with the SAP BusinessObjects export log summary.

- ContentData folder with exported individual Content Pack data details. Each Content pack folder consists of the following folders:
 - i. csv: This folder lists all the csv's to be imported on the 10.21 system.
 - ii. ret_csv: This folder lists the dsi_retention table csv.
 - iii. sql folder: This folder is created during the data export. It contains the SQLs required for exporting data.
- metadata folder with exported configuration details. This folder consists of the following folders:
 - i. configFiles: This folder lists all the configurations to be imported on the 10.21 system.
 - ii. csv: This folder lists all the csv's to be imported on the 10.21 system.
 - iii. RemoteCollector.prp: This file consists the collection data to be imported on the 10.21 system.

Task 4: Import

1. Copy/Share/Mount the folder where the SHR 9.3x/9.4x data is exported to OBR 10.21 system(s).

Note: You must not Copy/Share/Mount the Migration export folder to the /root directory or to any user specific home directory.

- 2. If you have configured Remote Collectors in OBR 10.21, perform the following steps:
 - a. On the OBR 10.21 server, go to the location where the export folder is copied/mounted/shared from SHR 9.3x/9.4x system.
 - b. Open the metadata folder and edit the RemoteCollector.prp file as follows:

```
collectormapping
local=local
RC9x=<edit this value with OBR 10.21 Remote Collector Name>
```

3. In case of remote SAP BusinessObjects server in OBR 10.21, copy the config.prp file from {PMDB_HOME}/data of OBR 10.21 server to {PMDB_HOME}/data of SAP BusinessObjects server.

In case of remote Vertica server, copy the config.prp file from {PMDB_HOME}/data of OBR 10.21 server to {PMDB_HOME}/Migration of Vertica server.

4. Stop collection, job manager, task manager and orchestration service on the OBR 10.21 server, follow these steps:

Note: If you have installed OBR 10.21 Remote Collector, stop the collection service on the remote collector system.

On Windows:

- a. Click Start > Run. The Run dialog box appears.
- b. Type services.msc in the open field, and then press ENTER. The Services window appears.
- c. Right-click on the following services and click **Stop**:

HPE_PMDB_Platform_Collection

HPE_PMDB_Platform_Orchestration

HPE_PMDB_Platform_JobManager

HPE_PMDB_Platform_TaskManager

On Linux:

a. Go to the /etc/init.d directory, run the following commands on the command prompt:

On RHEL 6.x/SUSE Linux Enterprise Server 11:

- service HPE_PMDB_Platform_Collection stop
- service HPE_PMDB_Platform_Orchestration stop
- service HPE_PMDB_Platform_JobManager stop
- service HPE_PMDB_Platform_TaskManager stop

On RHEL 7.x:

- systemctl stop HPE_PMDB_Platform_Collection.service
- systemctl stop HPE_PMDB_Platform_Orchestration.service
- systemctl stop HPE_PMDB_Platform_JobManager.service
- systemctl stop HPE_PMDB_Platform_TaskManager.service
- 5. On OBR 10.21 server, make sure that the PostgreSQL service is running, follow these steps:

On Windows:

- a. Click Start > Run. The Run dialog box appears.
- b. Type services.msc in the open field, and then press ENTER. The Services window appears.
- c. Check the status for the following service is **Running**:

HPE_PMDB_Platform_PostgreSQL

If the service is not running, right-click on the service and click Start.

On Linux:

Go to the /etc/init.d directory, run the following commands on the command prompt:

On RHEL 6.x/SUSE Linux Enterprise Server 11: service HP_PMDB_Platform_PostgreSQL status

On RHEL 7.x: systemctl status HP_PMDB_Platform_PostgreSQL.service

If the service is not running, run the following command:

On RHEL 6.x/SUSE Linux Enterprise Server 11: service HP_PMDB_Platform_PostgreSQL start

On RHEL 7.x: systemctl start HP_PMDB_Platform_PostgreSQL.service

 Execute the Migration Utility Import command to import Content Packs data, SAP BusinessObjects artifacts and Data Source Configuration from SHR 9.3x/9.4x system(s) to OBR 10.21 system(s).

Note: In OBR 10.21 system during the import, the content data gets imported to Vertica server, data source configuration to OBR server and BusinessObjects artifacts to SAP BusinessObjects server. In case of OBR custom (distributed) installation scenarios, make sure to copy the exported folder from SHR 9.3x/9.4x system(s) to the respective OBR 10.21 system(s).

For example, if you have a typical SHR 9.3x/9.4x scenario in Windows operating system, and you want to migrate to the custom install scenario where OBR 10.21 server and SAP BusinessObjects server are on single system and Vertica server on remote system, copy/share/mount the exported folder from the SHR 9.3x/9.4x system to both the OBR 10.21 systems.

In case of OBR custom (distributed) installation scenarios, run the import tool from each of OBR servers.

Note: After successful data import on OBR 10.21 system, if Generic database (for example: Sybase database) is configured as data source, copy the jconn4.jar from {SYBASE} /jConnect-7_0/classes on Sybase IQ server to {PMDB_HOME}/lib directory on OBR 10.21 system for connection and collection to work fine.

Task 5: Post-migration

- 1. Verify the summary of old data and new data migrated from CompareSummary.htm. For more details, see Validation using Summary HTMLs.
- 2. Start collection, job manager, task manager and orchestration service on the OBR 10.21 server, follow these steps:

Note: If you have installed OBR 10.21 Remote Collector, start the collection service on the remote collector system.

On Windows:

- a. Click **Start > Run**. The Run dialog box appears.
- b. Type services.msc in the open field, and then press ENTER. The Services window appears.
- c. Right-click on the following services and click Start:

HPE_PMDB_Platform_Collection

HPE_PMDB_Platform_Orchestration

HPE_PMDB_Platform_JobManager

HPE_PMDB_Platform_TaskManager

On Linux:

a. Go to the /etc/init.d directory, run the following commands on the command prompt:

On RHEL 6.x/SUSE Linux Enterprise Server 11:

- service HPE_PMDB_Platform_Collection start
- service HPE_PMDB_Platform_Orchestration start
- service HPE_PMDB_Platform_JobManager start
- service HPE_PMDB_Platform_TaskManager start

On RHEL 7.x:

- systemctl start HPE_PMDB_Platform_Collection.service
- systemctl start HPE_PMDB_Platform_Orchestration.service
- systemctl start HPE_PMDB_Platform_JobManager.service
- systemctl start HPE_PMDB_Platform_TaskManager.service

Chapter 5: Migration Utility

OBR migration provides migrationUtility that helps you to migrate data from SHR 9.3x/9.4x system to OBR 10.21.

The command to run the utility is as follows:

migrationUtility -precheck/-export/-import/-dataSourceClean/-calc

To get more information on the usage of the utility, run the command: migrationUtility -help

- Precheck option
- Export option
- Import option
- Validation using Summary HTMLs

Precheck option

The Precheck option performs all the checks needed for migration as follows:

- Checks if the Collection service is stopped on both the remote collector and the SHR system.
- Checks if Data from the remote collector is moved to the SHR system.
- Checks if there are files pending in the collect and stage folder. If the files are not processed or in pending state the precheck fails and displays the message *Pre-check failed*.
- Checks if all the data from the stage table gets processed.
- Checks if the Timer service is stopped on the SHR system.

The following table lists the parameters in Migration.conf file:

Parameter	Options	Description
Pre-check		The information on the precheck status will be displayed.
	FAILED	The value for precheck will be PASSED if the precheck is successful and FAILED if the precheck fails.
Content Packs	yes no	Lists all installed Content Packs on SHR 9.x system.
		The default value is yes, all the installed Content Packs will be

		exported. You can change the value to no to exclude the export of specific Content pack. Example: Core=yes SYSTEM=yes MSAppCore=yes AppCore=no WebLogic=no
facthourlydaily	all number of days	Specify the number of days for the table to export data. The value all is specified if all of the data in the table has to be exported. If you want to export data for a specific number of days from these tables specify the value for number of days. Example: fact=5 In the above example, the data of the last 5 days from the current system date will be exported.
 factStartDate factEndDate hourlyStartDat hourlyEndDate dailyStartDate dailyEndDate 	yyyy-mm- dd	Specify the start date and end date for the table to export data. The format to specify the date to export the data is yyyy-mm-dd. Example: factStartDate =2015-01-01 factEndDate=2015-01-31 The data of the specified start date and end date will be migrated. If the end date is not specified then the data untill the current system date will be migrated. Note: If the EndDate is specified for fact, hourly and daily values, then the EndDate value will take the priority over the number of days value.
concurrent_ processes	10	The number of concurrent processes for which the data has to be exported.
chunk_rate	30	The number of days for data export batch.
SHR_OS	windows linux	The Operating System of SHR 9.x from where the data is exported.

Precheck option command

To run the precheck option, go to the location $\{PMDB_HOME\}/bin$ and run the following command:

migrationUtility -precheck -path <path>

where, *<path>* is the location of the folder where you want the precheck artifacts to be created.

Note: You must make sure that the *<path>* is a folder and not drive.

Example:

Linux: migrationUtility -precheck -path /opt/upgrade_pack

```
Windows: migrationUtility -precheck -path C:\upgrade_pack
```

Export option

The Export option helps you to export the Content Packs data, SAP BusinessObjects artifacts and Data Source Configuration in a zipped file format.

In SHR 9.3x/9.4x system during the export, the content data is exported from Sybase server, data source configuration from SHR server and BusinessObjects artifacts from SAP BusinessObjects server. In case of SHR custom (distributed) installation scenarios, run the export tool from each of SHR 9.3x/9.4x servers.

Note: For the OMi Content pack migration, the data of minimum 35 days must be migrated at once.

Content Pack data

The Export option reads the data from Migration.conf file that is created in the SHR 9.3x/9.4x system after the precheck is completed. The data of the Content packs that are specified as yes in Migration.conf file will be exported.

Note: If you do not want to export specific Content pack then change the yes option to no in the Migration.conf file.

SAP BusinessObjects artifacts

The following SAP BusinessObjects artifacts created by the SAP BusinessObjects non-default user in SHR 9.3x/9.4x can be exported using the Export option:

- Users
- UserGroups

Access levels

Note: If the SAP BusinessObjects non-default user has mapped the users, usergroups and Access levels in SHR 9.3x/9.4x, then after migrating to OBR 10.21 the mapping has to be done manually. This is because of the change in universe objects in OBR 10.21.

Data Source Configuration

The Export option helps you to export the Data Source Configurations from a SHR 9.3x/9.4x system.

Export option command

On the SHR 9.3x/9.4x system(s), go to the location {PMDB_HOME}/bin and run the following command:

migrationUtility -export -path <path>

Note: You must specify the folder path that has been created after migration precheck. Do not create the folder before as the export tool creates the folder after execution. In case of SHR 9.3x/9.4x distributed scenario, on the SAP BusinessObjects server and/or Sybase IQ server, specify the folder path that you have copied from the SHR 9.3x/9.4x server.

If you are executing the export tool again, then the precheck should be run with a different folder and the export should also be done to a new folder.

where, *<path>* is the location where you export data.

To export the Content Data and/or Data Source and/or BO Artifacts, run the following command:

migrationUtility -export -path <path> [-run contentData,dataSource,boArtifacts]

For Example: migrationUtility -export -path /opt/migrateall -run contentData,dataSource

The above example exports the Content Data and the Data Source Configuration data.

To export all the Content Data and/or Data Source and/or BO Artifacts, run the following command:

migrationUtility -export -path cpath cpath cpath cpath

On a remote Sybase IQ server, to export Content Data, run the following command:

migrationUtility -export -path cpath> [-run contentData]

The above command exports the Content Data from remote Sybase IQ server.

The following log files for the export tool is available at the location {PMDB_HOME}/log/:

- metaDataMigrate.log
- boMigrate.log
- contentDataMigrate.log
- migrationUtility.log

After running the Export option, the ExportSummary html is created with details of the exported data.

Import option

The Import option helps you to import the Content Packs data, SAP BusinessObjects artifacts and Data Source Configuration.

In OBR 10.21 system during the import, the content data gets imported to Vertica server, data source configuration to OBR server and BusinessObjects artifacts to SAP BusinessObjects server. In case of OBR custom (distributed) installation scenarios, make sure to copy the exported folder from SHR 9.3x/9.4x system(s) to the respective OBR 10.21 system(s).

For example, if you have a typical SHR 9.3x/9.4x scenario in Windows operating system, and you want to migrate to the custom install scenario where OBR 10.21 server and SAP BusinessObjects server are on single system and Vertica server on remote system, copy/share/mount the exported folder from the SHR 9.3x/9.4x system to both the OBR 10.21 systems.

In case of OBR custom (distributed) installation scenarios, run the import tool from each of OBR servers.

Note: For the OMi Content pack migration, the data of minimum 35 days must be migrated at once.

Content Pack data

The Import option reads the data from Migration.conf file. The data of the Content Packs that are specified as yes in Migration.conf file will be imported.

Note: If you do not want to import specific Content Pack then change the yes option to no in the Migration.conf file.

SAP BusinessObjects artifacts

The following SAP BusinessObjects artifacts of SHR 9.3x/9.4x to OBR 10.21 is imported using the Import option:

- Users
- Usergroups
- Access levels

Data Source Configuration

This option helps you to import Data Source Configurations from a SHR 9.3x/9.4x system to OBR 10.21 system.

You must make sure that the following actions are completed on the OBR 10.21 system before the Import option is run:

- OBR 10.20 is installed. Configure Remote Collector if required.
- Post installation steps are performed.
- The OBR 10.21 patch is installed.
- Install the Content Packs msi(s) and deployed.
- Copy the folder where the SHR 9.3x/9.4x data is exported to OBR 10.21 system.
- The Collection and Orchestration services are stopped.

Note: The dataSourceClean option can be used to re-import the data to *OBR* 10.21 system. This option cleans the tables with the previous imported data.

You can use this option only when:

- 1. The Data Source Configuration data is already imported once to OBR 10.21 system.
- 2. The data collection is NOT started on the OBR 10.21 system.

dataSourceClean option command:

migrationUtility -dataSourceClean

Import option command

To import the all of the data, go to the location {PMDB_HOME}/bin and run the following command:

Note: If OBR 10.21 is installed on non-default drive in Windows operating system, execute Import option on command prompt from C: / drive.

migrationUtility -import -path cpath

where, *<path>* is the location where the export folder is copied/shared/mounted on the OBR 10.21 system.

To import the Content Data and/or Data Source and/or BO Artifacts, run the following command:

```
migrationUtility -import -path <path> [-run contentData,dataSource,boArtifacts]
```

```
For Example: migrationUtility -import -path /opt/migrateall [-run
boArtifacts,dataSource]
```

The above example imports the BO Artifacts and the Data Source Configuration data.

The following log files for the Import option is available at the location {PMDB_HOME}/log:

- metaDataMigrate.log
- boMigrate.log
- contentDataMigrate.log
- migrationUtility.log

After running the Import option, the ImportSummary html is created with details of the imported data.

Calculator Option

The calculator feature in Migration can be used to calculate the downtime and the disk space required for exporting the specified data.

The -calc option in migrationUtility must be run on the SHR 9.3x/9.4x Sybase IQ server to calculate the downtime and the disk space required for exporting the specified data.

Note: Make sure to execute the precheck option on the SHR 9.3x/9.4x server before executing – calc option.

Run the following command:

migrationUtility -calc <number of days>/-startDate <YYYY-MM-DD> -endDate <YYYY-MM-DD>

You can type the number of days or the start date and end date to calculate the downtime and the disk space required for exporting the data for the specified days.

Note: The value displayed after running the -calc option is based on the benchmarks performed in the lab.

Chapter 6: Validation using Summary HTML

The Validation Summary HTML helps the user to verify if migration is successful. These Summary HTML are available in the path that you have specified while running the import and export option.

Following are the HTML available:

- **PrecheckSummary.htm** This HTML is created after the precheck tool is run successfully. It provides information of the installed Content Packs for export. You can click on the links provided for the individual Content Packs for more details.
- ExportSummary.htm This HTML is created after the export tool is run successfully. It provides information of the installed Content Packs that are exported. You can click on the links provided for the individual Content Packs for more details.
- **ImportSummary.htm** This HTML is created after the import tool is run successfully. It provides information of the Content Packs that are imported. You can click on the links provided for the individual Content Packs for more details.
- CompareSummary.htm This HTML provides comparative information of the Content packs that are migrated. The value of the columns No. of Records Imported and No. of Records Exported can be referred to compare the data. The Import Status column displays *true* if the No. of Records Imported and No. of Records Exported is same else it displays false. For a successful import the No. of Records Imported and No. of Records Exported columns should have same values and the Import Status column should display *true*.

Note: If you have completed migration and started the collections in the OBR 10.21 system, and there is another migration done after few days, there can be miss-match in the Compare Summary for dimensions.

Along with the above mentioned HTMLs, there are following folders that consists of individual HTML of each migrated Content Pack:

- Precheck
- Import
- Export

Chapter 7: Migration Steps for Custom Content

This chapter describes the approach to migrate custom content.

Custom Reports and/or Universe on Custom Schema

If you have developed new reports on the universe or created new universe shipped in SHR 9.3x/9.4x then these reports and universe can be migrated to OBR 10.21. Follow these steps to migrate new reports and universe:

- 1. From SHR 9.3x/9.4x's SAP BusinessObjects 3.x installed system, "Export universe and related reports as BIAR" on page 32.
- 2. Follow these steps for universe migration
 - a. Change the connection to vertica connection from BO 4.x.
 - b. If there are any Sybase specific SQLs move it to Vertica.
- Use BO 4.x "Upgrade Management Tool (UMT)" on page 45 on OBR 10.21 and import these reports.
- 4. "Convert unv to unx" on page 51 using Information Design Tool (IDT).

Note: XCelsius dashboards using Qaaws does not work with unx.

5. "Use Remapping Tool " on page 55 on OBR 10.21 to map the reports to OBR 10.x universe.

Custom Domain, Application and ETL Content

Domain content

To migrate the Domain content from SHR 9.3x/9.4x to OBR 10.21 system, follow these steps:

- 1. Compile the domain content with OBR 10.21 CDE.
- 2. Port Sybase IQ procedures, if any, to Vertica scripts and update ABC step definition.
- 3. Deploy the content on OBR 10.21

- 4. Migrate the data from SHR 9.3x/9.4x to OBR 10.21. Use the migration script generation tool to generate migration scripts. You can modify the script if required and use the scripts to export data from SHR 9.3x/9.4x and import the data to OBR 10.21.
- 5. Create Manifest and compile content pack. For steps, see *Operations Bridge Reporter Content Development Guide*.

Application content

To migrate the Application content from SHR 9.3x/9.4x to OBR 10.21 system, follow these steps:

- 1. To migrate the application content the "LCM BIAR " on page 58should be taken.
- 2. Create Manifest and compile content pack. For steps, see *Operations Bridge Reporter Content Development Guide*.

To migrate app content, perform the steps described in Custom Reports and/or Universe on Custom Schema section.

To migrate the ETLcontent from SHR 9.3x/9.4x to OBR 10.21 system, follow these steps:

- 1. If your ETL uses Sybase IQ specific SQLs/functions in DB collection policies, port it to Vertica.
- 2. If your ETL uses Sybase IQ specific SQLs/functions in stage rules, port it to Vertica.
- 3. Compile the ETL content with OBR 10.21 CDE.
- 4. Deploy the ETL on OBR 10.21. For steps, see Operations Bridge Reporter Content Development Guide.

Reference

Export universe and related reports as BIAR

 From SHR 9.3x/9.4x system, click Start > All Programs > BusinessObjects XI 3.1 > Import Wizard.



2. The welcome screen of the Import Wizard appears. Click Next.



3. In the **Source** drop-down, select **BusinessObjects Enterprise XI 3.x** and click **Next**.

Source:	BusinessUbjects Enterprise XI 3.x
and password	e of the source LMS. You also need to specify your user name
CMS Name:	QAPCOE23
User Name:	Administrator
Password:	
Authentication:	Enterprise

4. In the **Destination** drop-down, select **Business Intelligence Archive Resource (BIAR) File** and click **Next**.

🚺 Imp	ort Wizard		×
Des	s tination environn Select the destination	nent on environment to which the Wizard will export content.	
	Destination:	Business Intelligence Archive Resource (BIAR) File	•
	Specify the	Business Intelligence Archive Resource file you want to export to	
	B <u>I</u> AR file:	C:\SHR_93.biar	
		< <u>B</u> ack <u>N</u> ext > Cancel	Help

5. Select the check-boxes as shown in the following image and click Next.

Import Wizard Select objects to import	×
Select the objects to import.	
The Import Wizard enables you to select objects from the source environment to import to the destination environment. Select one or more categories below to import.	
 Import corporate categories Import folders and objects Import discussions associated with the selected reports Import application folders and objects Import events Import server groups Import repository objects Import calendars Import universes 	
Select All <u>C</u> lear All	
< <u>B</u> ack <u>N</u> ext > Cancel	Help

6. A note on importing object rights appears, click Next.



7. Click Next on the Custom Access Levels screen.

Custom Access Levels Select Custom Access Levels to import	
CAPCOE 23: 6400 (BusinessObjects Enterprise XI 3 x) Full Control Schedule View View View On Demand	
<u>Select All</u>	1

8. Select Custom Content Pack reports and click Next.

Folders and objects Select the folders an	d objects you want to import by clicking the box beside the item	×
	inancial Consolidated Income Statement Income Statement Monthly Variance Cross Tab Rolling Quarter Income Statement Sorted Variance Analysis Report Trial Balance Variance Analysis Report YTD Variance Cross Tab Report Data	▲ ▼
Import all instance	es of each selected object < Back	Help

9. Select Next.

🚰 Import Wizard	×
Select application folders and objects Select the application folders and objects you want to import. If the selected folders and objects exist on destination system, they will be updated using the source system as a reference.	
CommonConnections Mobile Offline Data Mobile Subscription Data QaaWS Folder	
<u>Select All</u>	
< <u>B</u> ack <u>N</u> ext > Cancel	Help

10. Select the option for **Select an importing option for universe objects:** as shown in the following image and click **Next**.

🛐 Import Wizard	×
Import options for universes and connections	
Select an importing option for universe objects:	
C Import <u>all universes</u> and all connection objects.	
Import all universe and only connection objects used by these universes.	
Import the universes and connections that the <u>s</u> elected Web Intelligence and Desktop Intelligence documents use directly. In the next dialog box, you can select additional universes that are not used by any imported document.	
Select the following option if you want universe overloads to be migrated with the universes.	
Keep universe overloads for imported users and groups	
< <u>B</u> ack <u>N</u> ext > Cancel	Help

11. The Universe will be selected by default, click Next.

Import Wizard	×
Universe folder and universes Select the universe folders and universes you want to import by selecting the box beside the item.	
QAPCDE23:6400 (BusinessObjects Enterprise XI 3.x) Activity Activity Island Resorts Marketing	
Select All Clear All	
< <u>B</u> ack <u>N</u> ext> Cancel He	alp

12. Select the option for **Select an importing option for repository objects:** as shown in the following image. Click **Next**.

👬 Import Wizard	×
Import repository object options. Choose an option to import selected reports that use repository objects.	
Select an importing option for repository objects:	
C Import all repository objects.	
 Import only repository objects that the selected reports use directly. (Warning: this may affect business view object integrity) 	
 Import repository objects that the selected reports use directly, as well as any other repository objects they depend on. 	
< <u>B</u> ack <u>N</u> ext > Cancel	Help

13. Select **Do not import recipients** and click **Next**.

Import Wizard Import options for publications.	×
Select import option for importing profiles.	
O Import <u>all</u> profiles.	
Import profiles used by selected publications.	
Select import option for importing publication recipients.	
C Import recipients used by selected publications.	
Do not import recipients.	
< <u>B</u> ack <u>N</u> ext > Cancel	Help

14. The Ready to import screen appears with import details, click Finish.



15. Click View Detail Log to check if all the objects were successfully imported to BIAR.

👬 Imp	ort Wizard		×
	Ready to in	mport	
	Import Progress		
	Import progress:		
	Import summary:		
	Import Info	Warnings	
	👧 0 of 0 Groups imported	(0 warnings)	
	🛒 0 of 0 Users imported	(0 warnings)	
	2 of 2 Folders imported	(0 warnings)	
	0 of 0 Object packages imported	(0 warnings)	
	🔛 1 of 1 Objects imported	(0 warnings)	
	📲 0 of 0 Shortcuts imported	(0 warnings)	
	🕰 0 of 0 Events imported	(0 warnings)	
	🗊 0 of 0 Server Groups imported	(0 warnings)	
	0 of 0 Repository objects imported	(0 warnings)	
	🗰 0 of 0 Calendars imported	(0 warnings)	
	al of 1 Universes imported	(0 warnings)	▼
		View Detail Log Done	
	< <u>B</u> ack	Finish Cancel	Help

16. Copy the BIAR file from the location to the specified location.

Upgrade Management Tool (UMT)

Perform the following steps on OBR 10.21 system and import the custom reports.

For Windows:

1. In Search, type Upgrade Management Tool. The welcome page appears.



Click Complete Upgrade, and click Next

2. In Upgrade Scenario select **Biar to Live**, select the Source BIAR file. In **Destination**, type the CMS Name and credentials click **Next**.

18	Upgra	ide management tool - Complete Upgrade 📃 🗖 🗙
Log On Select existing envir	onments in which upgrade m	nanagement tool will export the content from and to.
Welcome Log On Object Selection	Upgrade Scenario: Source	BLAR to Live 💙
Parameters Summary Export Finish	BIAR <u>E</u> ile:	C:\Users\Administrator\Desktop\OM.biar
	Destination	
	CMS Name: Us <u>e</u> r Name:	Administrator
	Pass <u>w</u> ord: Authentication:	Enterprise V
Help -		Back Next Start Cancel

Click Start.

38	Upgrade management tool - Complete Upgrade	_ _ ×
Summary Upgrade manageme	nt tool will now export the following objects. Destination: 1)M.biar (BIAR) 6.166.99.42 (XI 4.1)
Welcome Log On Object Selection Parameters Summary Export Finish	Object Type Folder (3 objects) Webi (5 objects) Objects) MetaData.DataConnection (1 objects)	×
Help +	Back Next Start	<u>C</u> ancel

After completion upgrade the BIAR into 4.1 system.

Note: You must install the SAP BusinessObjects client tools that is shipped as part of OBR media.

For Linux:

- Go to the locaton <BOinstallpath>/sap_bobj/enterprise_ xi40/java/apps/upgradeManagementTool/jars
- 2. Run the following command:

```
java -jar upgrademanagementtool.jar -mode biartolive -biarfile "<location of
biarfile>/test.biar" -destination <destination system>:6400 -
destinationusername "Administrator" -destinationpassword "<password>" -logfile
"/opt/log.txt"
```

After completing the Upgrade Management Tool steps, perform these steps to import universe:

- 1. In **Search**, type Universe Design Tool.
- 2. Log on to Universe Design Tool (UDT). Type the SAP BusinessObjects 4.1 system details, where the BIAR is migrated from the previous steps and click **Ok**.

User Identification		23
	SA	
Enter your name and p	assword to log in.	
System		-
User Name:		
Password:		
Authentication	Enterprise	-
	OK Cancel Help	

 Click Connections icon to create a Vertica connection. In Define a new connection page, click Next.

C Bie Edit View Insert Icols Wind	bw Help Mation In⊃ In∩	44 (1) (1) (1) (1) (1)				
	1.2.22 ml 22.1		-			
XVA						
T- OM_Core	DATETIMERANGE	& Connection Panel	نع <u>ر</u> ية)>ر∦		Define a new connection	
Transi Supprenental	DATE_RANGE_MIN DATE_RANGE_MAX	Connections List The list of available connect	ions to access data		Welcome to the New Co Set Type Name Location	nnection Wizard [1/2] n and Description (optional) properties for the co
			6 🖾 🖌 📬		Connection Type :	Becured
		Name / Type	Network Layer Database Orade OCI Orade 10	E Folder	Connection Name:	SHR_connection
		9 SHR_CON Secured	JDBC Generic JD JDBC HP Vertica	6.1 /CommonCo	Connection Folder:	CommonConnections
		efashion Secured	ODBC MS Access ODBC MS Access	2 / 2 /	Connection Description:	
						\sim
	1 1		Close Car	oel Help		Next > Cancel

4. Click Hewlett Packard > HP Vertica 6.1 > JDBC Drivers. Click Next.



5. Click **Test Connection** to verify the connection and then click **Next**.

Define a new connection	n
Login parameters [3/4 Define the login para	I meters to access your database using JDBC middleware
Authentication Mode	Use specified username and password
User Name	vericadba
Password	*****
Server (host port)	verticaserver:5433
Detabase	
Uatabase	lbuge
Test Connection	< Back Next > Cancel Help

6. Click Finish. A connection is created with Vertica as database.

Define a new connection	×
Configuration Parameters [4/4] Define the advanced parameters to access your de	atabase using JDBC middleware
Connection Pool Mode	Keep the connection active for
Pool Timeout	10 Minutes
Array Fetch Size	4
Array Bind Size	5
Login Timeout	600 Seconds
JDBC Driver Properties (key=value,key=value)	
< <u>D</u> ack	Enish Cancel <u>H</u> elp

- 7. Go to File > New > Parameters > Definition tab.
- 8. Select the connection created in the previous step and click **Test**. Click **OK**.

	and the local data	Carl Main 1 1 1 1		Mai kabin bass	
Universe Parame	ters	1.00		State and State	×
Definition Sur	nmary Strategies	Controls SQL Links	Parameter		
1	The following info connection:	ormation identifies the uni	verse. A universe is	defined by its name an	d database
Name:	HPOM Universe	- Model Generator			
Description:					*
					~
Connection F	older:				
/CommonCo	nnections				
Connection:	The SHR_CONNE	ECTION			- 🗀 🗉
Cick here	to choose stored p	rocedure universe	New	Edit	Test
				OK Cance	el Help

- 9. Go to the **File > Import**.
- 10. Click Browse. Select the Universe from Repository and click OK

Import	Universe	<u>×</u>
¥	Select a universe domain in the repository to see available u Select the universe you want to import. Double dick to lock Select a Universe Folder	niverses. sunlock
Folder	Available Universe Folders:	
HF		
Import	OK Cancel	\$\SAP E
	OK Cancel	Help

11. The following message appears. Click **OK**.



12. Click **Tools > Check Integrity** to verify any issues.

	Integrity Check
	Check All
	Check Universe Structure
	✓ Parse Objects
	✓ Parse Joins
	✓ Parse Conditions
	Check for Loops
1	Check for Context
	Cardinalities checking
	Check Cardinalities
	OK Cancel Help

13. Click File > Export to Repository this Universe.

Convert unv to unx

1. In Search, type Information Design Tool. Log on to Information Design Tool (IDT) and Click OK.

J Open Session		23
System		
User Name		•
Password		
Authentication	Enterprise	•
Θ	OK	2

2. In IDT > Repository Resources, click + and insert Session. Type the system details that was provided in the previous step.

牙 Open Session	x
System	
User Name	
Password	
Authentication	Enterprise 🔹
0	OK Cancel

3. Click **File > New > Project**.

💕 information design tool			
File Edit Window Help			
New		Relational Connection	
🚰 Open Project		LOLAP Connection	
Close	Ctrl+W	Data Foundation	
Close All	Ctrl+Shift+W	- ABusiness Laver	
🔚 Save	Ctrl+S		
Save All	Ctrl+Shift+S	Other	Ctrl+N
Publish			
🗐 Print			
Retrieve a Published Universe			
Convert .unv Universe			
Exit			

4. Type the project name to save the unx in the local system with the same name. Click **Finish**.

New Project			23
New Project Enter the name of	the project.		
Project Name			
Project Location	C:/Users/krishchi/.businessobjects/bimodeler_14/workspace	•)

5. Click **File > Convert .unv Universe...** The Convert .unv Universe page appears.

File	Edit Window Help	
2	New Open Project	,
	Close	Ctrl+W
	Close All	Ctrl+Shift+W
	Save	Ctrl+S
	Save All	Ctrl+Shift+S
	Publish	,
4	Print	
	Retrieve a Published Universe	•
	Convert .unv Universe	
	Exit	

6. Select the universe that has to converted to unx. Select **Automatically Convert @Prompt into universe named parameters** and **Save for all users** check-box.

Convert .unv Universe	23
Convert .unv Universe	
Convert a .unv universe stored in the local file system, or in a repository.	
Select the .unv universe to convert.	
	A 10
Destination Repository Folder	
	Browse
Destination Local Project Folder	
	Je Browse
Automatically convert @Prompt expressions into universe named par	ameters
Automatically convert @Prompt expressions into universe named par Save for all users	ameters
Automatically convert @Prompt expressions into universe named par Save for all users	ameters
Automatically convert @Prompt expressions into universe named par	ameters
Automatically convert @Prompt expressions into universe named par Save for all users	ameters
Automatically convert @Prompt expressions into universe named par	ameters
Automatically convert @Prompt expressions into universe named par	ameters
Automatically convert @Prompt expressions into universe named par	ameters

Now we will see 3 files created under the project which we created

- a. <Universename.blx>
- b. <Universename.dfx>
- C. <Connection.cns>
- In the IDT left pane, right-click <Universename.blx>. Select all options and click Check Integrity.



Publish to Repository. This step ensures that unv is successfully converted to unx.

Use Remapping Tool

- Log on to SAP BusinessObjects BI Launch pad from the link: http://<servername>:8080/BOE/BI
- 2. Click **Documents**. Click **Folder** that has the reports to be mapped. Right-click on the report and click **Modify**.



3. Click **Data**. The list of data providers appears.



4. Right-click on the first data providers list and click **Change Sources**.

Home Documents Health Indicator Over /			
Tie Papeles Invest	Farrent Data Access Analysis Progr Series	Reading Design + Data	0.0.
0	ten ben		
3 D □ + + + + + + + + + + + + + + + + + +	e (Ctor It, units - 1 (Ct 1 (Ct.		
1 Dem 4	All data providers of "Health Indicator Overview"		
Type here to Mar tree	Rame Data Source Refresh Date Duration Data Deta		_
III In anti-Inductor Outcome A IIII Question Investment - Inductor Generator IIIII Question Investment - Inductor Generator IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	0 0		

5. Select the Universe (UNX) and click Next.

tone Documents Health Indicator Over 2 + 0		
The Properties Report Dorman	Farmat Dala Access Analysis Proje Entro	Reading Design + Data () + 0 + 1
	Change Tearre Thissel Second	
Type traves that have Use to at the constraints the traves - index Generators Use to at the constraints the traves - index Generators If the constraints - index Generators If the constraintors	Inter Carlos de la	

6. Select the Universe that is converted to unx in the previous task and click Select.

pror in	ere to filter table		
ilabl	e Universes:		🔊 Refresh universe
te	Name	Revision	Folder
0	ActiveDirectory Universe - Model Generator	7	@iwfvm07341_6400\ActiveDirectory
	ApplicationComponent_Health Universe.unx	17	@iwfvm07341_6400\Component_Health
0	ApplicationInterface_Health Universe.unx	37	@iwfvm07341_6400\Interface_Health
	BPM Universe - Model Generated	8	@iwfvm07341_6400\BPM
	DatabaseMSSQL Universe - Model Generator	12	@iwfvm07341_6400\DatabaseMSSQL
	Exchange Universe - Model Generator.unx	10	@iwfvm07341_6400\exchange
	HPOM Universe - Model Generator	5	@iwfvm07341_6400\OM
	OMI_Extended Universe.unx	3	@iwfvm07341_6400\OMi
	OMi Universe - Model Generator	5	@iwfvm07341_6400\OMi
•	RUM Universe - Model Generated	8	@iwfvm07341_6400\RUM
	ServiceHealth Universe - Model Generator	13	@iwfvm07341_6400\ServiceHealth
	SystemManagement Universe - Model Generator	22	@iwfvm07341_6400\SystemManagement
	WebLogic Universe - Model Generator.unx	29	@iwfvm07341_6400\WebLogic
0	WebSphere Universe - Model Generator.unx	8	@iwfvm07341_6400\WebSphere
	III		
on	selected universe:		

7. Select the Apply changes in all queries sharing the same data source check-box. Click Next.

Change S	ource Wizard		2 ×
Change	Data Source		
Selec	another data source - an existing data source in the do	cument or a new data source.	
Select	in action		_
\bigcirc	Choose an existing data source from the document		
	Name	Туре	
	🔆 ServiceHealth Universe - Model Generator	Universe	
	Specify a new data source		
	Universe -		
	OMi Extended Universe unv		
	Type: Universe	e	
	1		
🗹 Ap	ply changes in all queries sharing the same data source		
_ \	1		
		<< Previous Next >> Cancel	

8. In Strategy Selection, verify if the objects are mapped and click **Next** and **Finish**.

Change Source Wizard Strategy Selection Select the strategies to apply on the object map	ping betwe	en the source and the target data source.	∞ ×
Available strategies Same name Removal	>	Order in which selected strategies are applied 1. Same ID 2. Same technical name 3. Same path 4. Closest name	► Up ▼ Down
Settings		Default	
		<< Previous Next >>	Cancel

This will ensure that the reports are mapped to the converted UNX. After converting the reports and universe, take an "LCM BIAR " below.

LCM BIAR

Follow these steps on the OBR 10.21 system to take an LCM BIAR:

1. Log on to Central Management Console (CMC) as administrator from the following URL:

http://<servername>:8080/CMC

You can log on to CMC from the Administration Console, click **Administration > SAP BOBJ** and then click **Launch CMC**.

The CMC Home page appears.

2. Click Promotion Management.

tral Management Console			New Reflectant Operations Bridge Reporter
ONC Home			Welcome: Administrator Preferences Help • Log Off
	Organize	Define	Manage
	Addes Addes Addes Addes Ad	Indext Indext Indext Indext Indext Indext Indext	

3. Click **New Job** to create a job.

Cen	tral Management Console	,					Newfort: Peckard Enterprise	Operations Bridge Reporter
	Promotion Management						Welcome: Administrator Pref	erences Help • Log Off
*	Promotion John							
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4. Type the job name in Name as per your content. You can type the description if required.

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5. From **Source**, select **Login to a New CMS**.

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6. Type the source system details where SAP BusinessObjects reports and universes exist and click **Login**.

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The source details appears in the **Source** field.

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7. From **Destination**, select the **Output to LCMBIAR File** option. Click **Create**.

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8. From the left pane, select the Reports from the folders.

For example: The following image displays selections from Operations Bridge Reporter folder:

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9. Click the folder where the reports available to be migrated.

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10. Select the Reports and click **Add**.

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11. In the left pane, scroll down and click on the universe. Select the universe and then click Add.

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12. In the left pane, scroll down and click on the Connection used for the universe. Select the connection and then click **Add & Close**.

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13. Click **Manage Dependencies** to check the reports, universe and connection.

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Click **Select Dependents** to check the dependencies, this dependency check will automatically add the dependents here. Click on **Apply & Close**.



14. Select all the objects (reports, universe and connection) and click **Promote**.

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15. Verify Source and Destination and Objects to be promoted. Click Export.

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17. Rename the File and Save

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Save Export Schedule Cancel

Troubleshooting Migration Issues

This section covers the common problems that you may encounter during migrating data from SHR 9.3x/9.4x to OBR10.21 and provide steps to troubleshoot them. Each problem is documented with a symptom, the description about the symptom and resolution for the symptom.

Symptom:	Export Failing with Out of Memory Error			
Description	This error occurs when the export option is run on the SHR 9.3x/9.4x system if there is no sufficient memory for export.			
Resolution:	<pre>Perform the following steps to resolve this issue: 1. On the SHR 9.3x/9.4x system, go to the location {PMDB_HOME} /config/startup. 2. Open the migrationUtility.ini file. 3. Edit the parameter as follows: jargs=-DBSMR_HOME={bsmr.home} -Dbsmr.home={bsmr.home} -DDPIPE_ HOME={bsmr.home} -Dpmdb.home={bsmr.home} -Xms120M -Xmx2048M jargs=-DBSMR_HOME={bsmr.home} -Dbsmr.home={bsmr.home} -DDPIPE_ HOME={bsmr.home} -Dpmdb.home={bsmr.home} -Zms120M -Xmx3000M</pre>			

Symptom:	After import on OBR 10.21 system, collection is not complete for all days			
Description :	The collection is based on collector.maxHistory property in config.prp file. By default it is 360 hours. If the migration (import) has taken more time than 360 hours then the collection for the additional days will not happen.			
Resolution :	 Perform the following steps on OBR 10.21 system to resolve this issue: 1. Go to the location {PMDB_HOME}/data. 2. Open the config.prp file. 3. Edit the value for collector.maxHistory with the number of hours for the migration (import) to complete. For Example: If the migration (import) takes 16 days to complete, edit the parameter as follows: collector.maxHistory=384 			

Send documentation feedback

If you have comments about this document, you can contact the documentation team by email. If an email client is configured on this system, click the link above and an email window opens with the following information in the subject line:

Feedback on Migration Guide (Operations Bridge Reporter 10.21)

Just add your feedback to the email and click send.

If no email client is available, copy the information above to a new message in a web mail client, and send your feedback to docfeedback@hpe.com.

We appreciate your feedback!