

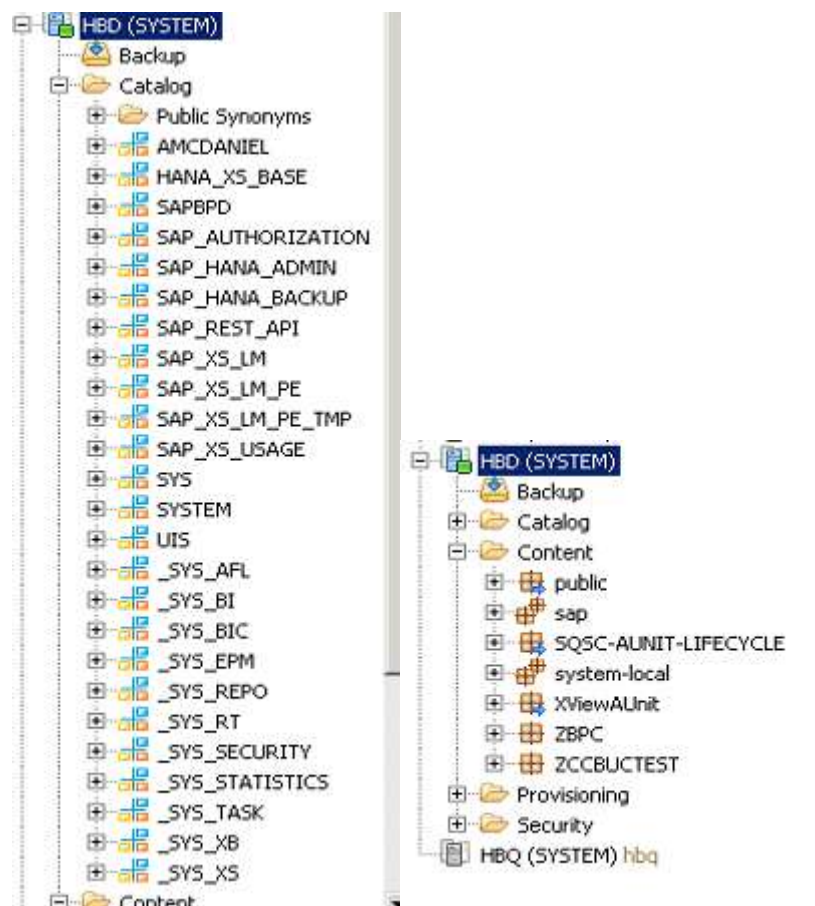
# SAP HANA DB Migration/Restore from Multi-Node to Single-Node

We performed for BPC on HANA for one of my customer, you can refer the screen.

<https://blogs.sap.com/2016/09/07/sap-hana-migration-from-multi-node-to-single-node/>

2093572 - SAP HANA Migration from Multi-Node to Single-Node

1986612 - Removing additional indexserver from Single-Host System



HBD (SYSTEM) 192.168.201.154:20

SQL Result

```
SELECT SCHEMA_NAME AS "Schema", round(sum(MEMORY_SIZE_IN_TOTAL) / 1024 / 1024) AS "MB" FROM M_CS_TABLES GROUP BY SCHEMA_NAME ORDER BY "MB" DESC
```

	Schema	MB
1	SAPBPO	15,666
2	_SYS_REPO	566
3	_SYS_STATISTICS	463
4	SAP_XS_UH_PE	3
5	_SYS_RT	3
6	_SYS_ZS	3
7	_SYS_BI	2
8	SAP_XS_UH	2
9	UIS	1
10	_SYS_BPM	1
11	_SYS_TASK	0
12	HANA_XS_BASE	0
13	APPCDANIEL	0
14	SYS	0
15	_SYS_WORKLOAD_REPLAY	0
16	SAP_REST_API	0
17	SAP_XS_USAGE	0
18	SAP_HANA_ADMIN	0
19	_SYS_AUDIT	0

### Client Export

Schedule as Background Job
 Start Immediately
 RFC System Check

Selected Profile	SAP_USER
Description	User Master Records and Authorization Profiles
Target System	BPD

Verification

Client Export

You Have Chosen the Following Parameters:

Profile Name	SAP_USER
Source Client	200
System Name	BPD

☐ Customizing Data      ☐ Flavors

☒ Authorization Profile & Roles

☐ Application Data      ☐ Change Documents

☒ User Data

☐ Cross-Client Customizing

Continue?

Continue

INFO Client Export

New since Release 4.5: Import by TMS (see below)

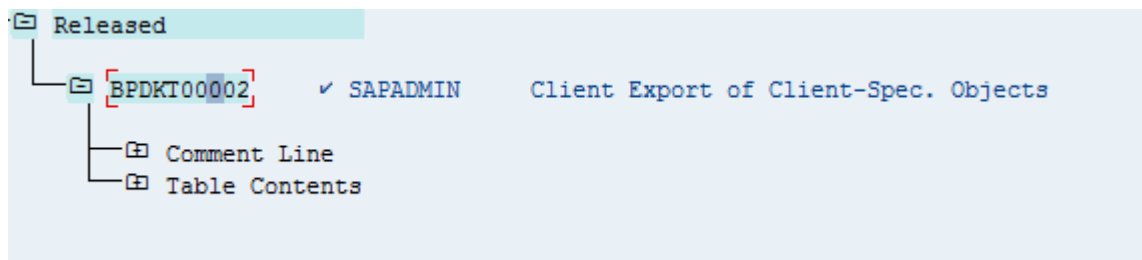
Client export:

Up to 3 requests are created, depending on the data selected and available:

1. "BPDK000002" for transporting cross-client data, if you have selected this
2. "BPDKT00002" for transporting client-specific data
3. "BPDKX00002" for transporting client-specific texts, provided texts are available in this client

When the transport requests have been created successfully, the data is exported asynchronously by starting the transport program tp at operating system level, and can take several hours, depending on the data volume. The status of the export can be found using either Transaction SCC3 or Transaction SE01 and specifying the transport request.

✓ 🖨️ 🏠 ✖



RFC Connections				Ty...	PL...	Comment
ABAP Connections				3		
• BPD				3	-	
• BPDCLNT200				3	-	BW Client for After Import
• BPDCLNT200_BPC				3	-	SAP BPC System
• BPXCLNT200_BPC				3	-	SAP BPC System
• PBWCLNT600				3	-	CCBCU BWP CLIENT 600
• PBWCLNT600_DIALOG				3	-	PBW Client 600
• SAPOSS				3	-	
• TMSADM@BPD.DOMAIN_BPD				3	-	TMS Communication Interface *generiert*
• TMSADM@BPP.DOMAIN_BPD				3	-	TMS Communication Interface *generiert*
• TMSADM@BPQ.DOMAIN_BPD				3	-	TMS Communication Interface *generiert*
• TMSSUP@BPD.DOMAIN_BPD				3	-	TMS Communication Interface *generiert*
• TMSSUP@BPP.DOMAIN_BPD				3	-	TMS Communication Interface *generiert*
• TMSSUP@BPQ.DOMAIN_BPD				3	-	TMS Communication Interface *generiert*
▶ HTTP Connections to External Server				G		
▶ Internal Connections				I		
▶ TCP/IP Connections				T		
▶ Connections via ABAP Driver				X		

**RFC Destination BPDCLNT200\_BPC**

Remote Logon   Connection Test   Unicode Test  

RFC Destination: BPDCLNT200\_BPC

Connection Type: 3 ABAP Connection   Description:

Description

Description 1: SAP BPC System

Description 2:

Description 3:


Administration   Technical Settings   Logon & Security   Unicode   Special Options

Client: 200

User: BPC\_SERVICE   ☐ Current User

PW Status: saved

## RFC Destination BPDCLNT200

Remote Logon Connection Test Unicode Test 

RFC Destination   
Connection Type   Description

### Description

Description 1

Description 2

Description 3

Administration

Technical Settings

Logon & Security

Unicode

Special Options

Client   
User  ☐ Current User  
PW Status

Trust Relationship ☒ No ☐ Yes ☐ Logon Screen

## RFC Destination PBWCLNT600

Remote Logon Connection Test Unicode Test 

RFC Destination   
Connection Type   Description

### Description

Description 1

Description 2

Description 3

Administration

Technical Settings

Logon & Security

Unicode

Special Options

Client   
User  ☐ Current User  
PW Status

## Partner profiles



Partner	Descript...
▼ Partner Profiles	
• Partner Type B	Bank
• Partner Type GP	Business Part
• Partner Type KU	Customer
• Partner Type LI	Vendor
▼ Partner Type LS	Logical syste
• BPDCLNT200	Logical Client
• DATASVC	DATASVC
• <b>PBWCLNT600</b>	PBW Client 6
• ZFLATFILE	ZFLATFILE
• Partner Type US	User (first 10

Partner No.  PBW Client 600  
 Partn. Type  Logical system

Post processing: permitted agent

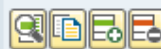
Classification

T.

Ty.  User  
 Agent  SAP Administrator  
 Lang.  English

### Outbound parmtrs.

Partner Role	Message type	Message va...	MessageFu...	Te
	RSRQST			



### Inbound parmtrs.

Partner Role	Message type	Message va...	MessageFu...	Te
	RSINFO			
	RSEND			

## Data Browser: Table RSBASIDOC Select Entries

4

Check Table...

Table: RSBASIDOC

Displayed Fields: 12 of 12

Fixed Columns:



Line Width 0250

SLOGSYS	RLOGSYS	OBJSTAT	RIDOCITYP	TSIDOCX	TSRPFIX	SRCTYPE	SAPREL	TSYPRM	TIMESTMP	SRWBRL	RWBRL
BPDCLNT200	BPDCLNT200	ACT	ISAA001	000	AA	M	740	SAPADMIN	20.150.415.135.907	710	740
DATASVC	BPDCLNT200	ACT	ISAB004	000	AB	X		OS_USER	20.150.422.145.245		
PBWCLNT600	BPDCLNT200	ACT	ISBB007	000	BB	E	730	SAPADMIN	20.150.930.193.017	710	740
ZFLATFILE	BPDCLNT200	ACT	ISAC009	000	AC	F		UNKDLINE	20.160.915.191.110		

```

sapsadm001:~$ su - hhdadm
hhdadm@sapbtp001:/usr/sap/HND/HND20> S0B info
hhdadm 10334 10330 1.6 10392 4136 -sh
hhdadm 10397 10396 0.0 10399 1825 \_ /bin/sh /usr/sap/HND/HND20/HND_info
hhdadm 10424 10397 0.0 10400 1104 \_ ga tx ~0 hhdadm -u user,pid,ppid,pppa,vxx,xxx,arqs
hhdadm 7714 1 0.0 16022 1404 sapstart pf=/usr/sap/HND/SYS/profile/HND_HND20_sapbtp001
hhdadm 7724 7714 0.0 854420 29788 \_ /usr/sap/HND/HND20/sapbtp001/create/hdb.sapbtp_HND20 -s -sx -t /usr/sap/HND/HND20/sapbtp001/daemon.lua pf=/usr/sap/HND/
hhdadm 7741 7724 0.6 874548 144712 \_ hdbnameserver
hhdadm 7800 7724 1.2 801608 790408 \_ hdbosaplistener
hhdadm 7802 7724 0.9 3960971 474132 \_ hdbareprocessor
hhdadm 7843 7724 31.2 88344276 55896180 \_ hdbindexserver
hhdadm 7851 7724 0.9 5032628 1311244 \_ hdbasengine
hhdadm 8582 7724 0.5 3269482 681512 \_ hdbwebdispatcher
hhdadm 6269 1 0.0 641804 29692 hdbstart1 -F -D -p 32940 -i 1495030001
hhdadm 3114 1 0.0 424280 26160 /usr/sap/HND/HND20/sap/sapstarterv pf=/usr/sap/HND/SYS/profile/HND_HND20_sapbtp001 -D -u hhdadm.
hhdadm@sapbtp001:/usr/sap/HND/HND20>
  
```

HBD - SQL Console 1

HBD

HBD (SYSTEM)

Last Update: May 17, 2017 8:38:09 AM

Interval: 60 Seconds

Overview

Landscape

Alerts

Performance

Volumes

Configuration

System Information

Diagnosis Files

Trace Configuration

Services

Hosts

Redistribution

System Replication

Host: <All>

Service: <All>

Active	Host	Port	Service	Detail	Start Time	Process ID	CPU	M...	Used Memory (MB)	Peak Used Memory (MB)	Effective Allocation Limit (MB)	Memory Phys
	sapdbpcdb01	32010	compilesrv		May 17, 2017 8:38:06 AM	7800	<div></div>	<div></div>	1,729	1,797	194,984	
	sapdbpcdb01	32000	daemon		May 17, 2017 8:38:00 AM	7724	<div></div>	<div></div>	0	0	0	
	sapdbpcdb01	32003	indexserver	master	May 17, 2017 8:38:09 AM	7849	<div></div>	<div></div>	37,547	48,276	230,802	
	sapdbpcdb01	32001	nameserver	master	May 17, 2017 8:38:02 AM	7741	<div></div>	<div></div>	2,793	2,793	196,176	
	sapdbpcdb01	32002	preprocessor		May 17, 2017 8:38:06 AM	7802	<div></div>	<div></div>	1,666	1,666	194,921	
	sapdbpcdb01		sapstartsv				<div></div>	<div></div>				
	sapdbpcdb01	32006	webdispacher		May 17, 2017 8:43:55 AM	8582	<div></div>	<div></div>	1,949	1,949	195,204	
	sapdbpcdb01	32007	xsengine		May 17, 2017 8:38:09 AM	7851	<div></div>	<div></div>	3,071	3,108	196,327	

HBD (SYSTEM) 192.168.201.154 20

SQL

```

1> ALTER SYSTEM ALTER CONFIGURATION('daemon.ini','host','sapdbpcdb01') SET('indexserver.c','instanceids')='40' WITH RECONFIGURE
2>
3> ALTER SYSTEM ALTER CONFIGURATION('daemon.ini','host','sapdbpcdb01') SET('xsengine.c','instanceids')='42' WITH RECONFIGURE

```

HBD (SYSTEM) [REDACTED]

Last Update: May 17, 2017 8:38:09 AM [REDACTED] Interval: 60 Seconds

Overview Landscape Alerts Performance Volumes Configuration System Information Diagnosis Files Trace Configuration

Services Hosts Redistribution System Replication

Host: <All> Service: <All>

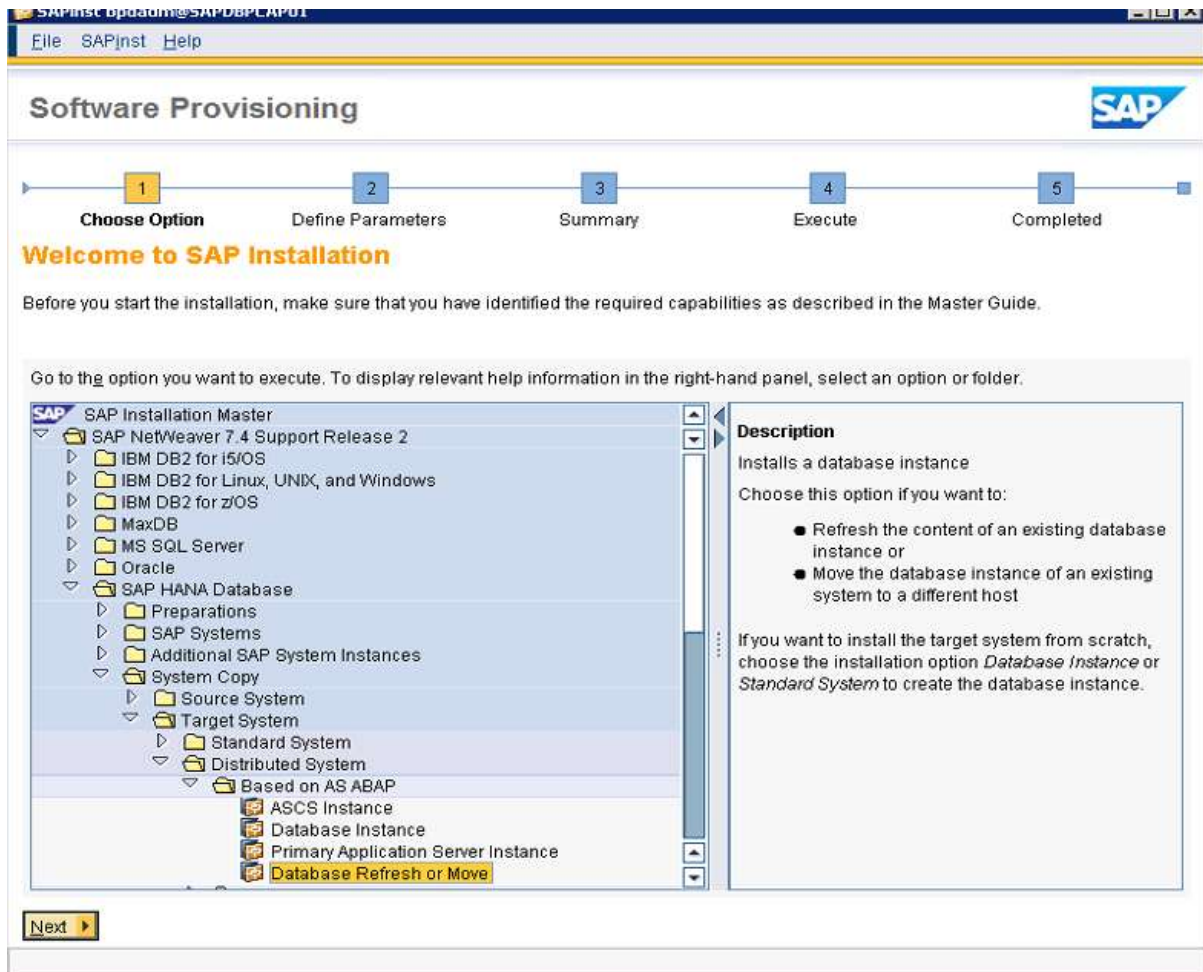
Active	Host	Port	Service	Detail	Start Time	Process ID	CPU	M...	Used Memory (MB)	Peak Used Memory (MB)	Effective Allocation Limit (MB)	Memory
	sapdbpcdb01	32010	compilesrv		May 17, 2017 8:38:06 AM	7800	<div></div>		1,729	1,797	191,674	
	sapdbpcdb01	32000	daemon		May 17, 2017 8:38:00 AM	7724	<div></div>		0	0	0	
	sapdbpcdb01	32040	indexserver		May 17, 2017 9:21:08 AM	10460	<div></div>		4,282	4,451	194,225	
	sapdbpcdb01	32003	indexserver	master	May 17, 2017 8:38:09 AM	7849	<div></div>		37,575	48,276	227,523	
	sapdbpcdb01	32001	nameserver	master	May 17, 2017 8:38:02 AM	7741	<div></div>		2,795	2,795	192,868	
	sapdbpcdb01	32002	preprocessor		May 17, 2017 8:38:06 AM	7802	<div></div>		1,666	1,666	191,611	
	sapdbpcdb01		sapstartsv				<div></div>					
	sapdbpcdb01	32006	webdispacher		May 17, 2017 8:43:55 AM	8582	<div></div>		1,949	1,949	191,894	
	sapdbpcdb01	32007	xsengine		May 17, 2017 8:38:09 AM	7851	<div></div>		3,071	3,108	193,017	
	sapdbpcdb01	32042	xsengine		May 17, 2017 9:21:14 AM	10511	<div></div>		3,063	3,063	193,008	

```

/usr/sap/HBD/HDB20> HDB info
USER      PID  PPID  ACPU  VSZ   RSS  COMMAND
hdbadm    10336 10336 0.0   15392 4168  /bin/sh /usr/sap/HBD/HDB20/HDB info
hdbadm    10615 10336 0.0   12000 1828  \_ ps fx -U hdbadm -o user,pid,ppid,pcpu,vsz,rss,args
hdbadm    10642 10615 0.0   26668 1360  \_ _pe fx -U hdbadm -o user,pid,ppid,pcpu,vsz,rss,args
hdbadm    7714   1   0.0   21032 1696  sapstart pf=/usr/sap/HBD/SYS/profile/HBD_HDB20_sapdbpcdb01
hdbadm    7724   7714 0.0   592416 297648 /usr/sap/HBD/HDB20/sapdbpcdb01/trace/hdb.sapHBD_HDB20 -d -nw -f /usr/sap/HBD/HDB20/sapdbpcdb01/daemon.ini pf=/usr/sap/HBD
hdbadm    7741   7724 0.6   5266548 1488996 \_ hdbnameserver
hdbadm    7800   7724 1.1   4034056 800096 \_ hdbcompilesrv
hdbadm    7802   7724 0.3   3950972 476532 \_ hdbpreprocessor
hdbadm    7849   7724 30.5   58817516 55567588 \_ hdbindexserver
hdbadm    7831   7724 0.9   3509528 1511428 \_ hdbxsengine
hdbadm    8582   7724 0.3   3302240 691820 \_ hdbwebdispacher
hdbadm    10460 7724 76.7   5681476 2276516 \_ hdbindexserver -port 32040
hdbadm    10511 7724 60.2   4222700 982804 \_ hdbxsengine -port 32042
hdbadm    3184   1   0.0   624280 26168 /usr/sap/HBD/HDB20/exe/sapstartsv pf=/usr/sap/HBD/SYS/profile/HBD_HDB20_sapdbpcdb01 -D -u hdbadm
hdbadm@sapdbpcdb01:/usr/sap/HBD/HDB20>

```







SAPInst bpdadm@SAPDBPCAP01: SAP NetWeaver 7.4 Support Release 2 > SAP HANA Database > System Copy > Target System...

File SAPInst Help

## Software Provisioning

1 Choose Option 2 **Define Parameters** 3 Summary 4 Execute 5 Completed

### Parameter Settings

Choose whether you want to run the installation in a typical or a custom mode.

**Parameter Settings**

Parameter Mode ☐ Typical ☒ Custom

**Additional Information**

You can run the installation either in a typical or a custom mode:

- **Typical Mode**  
If you choose *Typical*, the option is performed with default settings. As a result, you only have to respond to a small selection of prompts. If you want to change any of the default settings, you can do so on the *Parameter Summary* screen.  
Note that if you choose the *Typical* setting and then choose *Back* after processing one or more input screens, the *Custom* setting is activated. You are now guided through all screens with the default parameters that have been applied in the background so far.
- **Custom Mode**  
If you choose *Custom*, you are prompted for all parameters. At the end, you can still change any of these parameters on the *Parameter Summary* screen.

◀ Back Next ▶

SAPInst bpdadm@SAPDBPCAP01: SAP NetWeaver 7.4 Support Release 2 > SAP HANA Database > System Copy > Target System...

File SAPInst Help

## Software Provisioning

1 Choose Option 2 **Define Parameters** 3 Summary 4 Execute 5 Completed

### General SAP System Parameters

Enter the profile directory of the SAP system.

**SAP System Identification**

Profile Directory

**Additional Information**

Existing parameters are retrieved from the SAP system profile directory. The location of your SAP system profile directory is as follows:

- Windows: \\<SAPGLOBALHOST>\sapmnt\<SAPSID>\SYS\profile
- UNIX and i5/OS: /<SAP Mount Directory>/<SAPSID>/profile or /usr/sap/<SAPSID>/SYS/profile

SAPinst bpdadm@SAPDBPCAP01: SAP NetWeaver 7.4 Support Release 2 > SAP HANA Database > System Copy > Target System...

File SAPInst Help

## Software Provisioning

1 Choose Option 2 Define Parameters 3 Summary 4 Execute 5 Completed

### Master Password

Enter the master password for all users.

**Master Password**  
The master password is used for all users that are created, as well as for the secure store key phrase. Check the F1 help for restrictions and dependencies.

Password for All Users \*

Confirm \*

**Additional Information**  
If you want to set an individual password for each user, you can do this in the corresponding parameter section on the *Parameter Summary* screen.  
If you set individual passwords, a new master password does not overwrite these individual settings.

SAPinst bpdadm@SAPDBPCAP01: SAP NetWeaver 7.4 Support Release 2 > SAP HANA Database > System Copy > Target System...

File SAPInst Help

## Software Provisioning

1 Choose Option 2 Define Parameters 3 Summary 4 Execute 5 Completed

### DNS Domain Name

Enter the DNS domain name for the SAP system to calculate the fully qualified domain name (FQDN).

**SAP System Domain Name**

Set FQDN for SAP system ☒

DNS Domain Name for SAP System \*

**Additional Information**  
The *DNS Domain Name* is used to calculate the Fully Qualified Domain Name (FQDN), which is configured in profile parameter `SAPLOCALHOSTFULL`. This parameter is needed to define the URLs for the ABAP and Java application servers. See [SAP Note 654982](#).

SAPinst bpdadm@SAPDBPCAP01: SAP NetWeaver 7.4 Support Release 2 > SAP HANA Database > System Copy > Target System...

File SAPInst Help

## Software Provisioning

1 Choose Option 2 **Define Parameters** 3 Summary 4 Execute 5 Completed

### Media Browser

Enter the location of the required software packages.

**Software Package Request**

Medium	Package Location	
UC Kernel NW740 SR2	E:\sapcds\51049350_10_SAPKernel17.42\DATA_UNITS\K_742_U_WI...	Browse

SAPinst bpdadm@SAPDBPCAP01: SAP NetWeaver 7.4 Support Release 2 > SAP HANA Database > System Copy > Target System...

File SAPInst Help

## Software Provisioning

1 Choose Option 2 **Define Parameters** 3 Summary 4 Execute 5 Completed

### SAP System Database

Select the database copy method.

**Target Database**

Copy Method

☐ Standard System Copy / Migration (Load-Based)  
☒ Homogeneous System Copy (SAP HANA-specific Backup/Recovery)

Start Migration Monitor Manually ☐

**Additional Information**

If you need to configure parameters that cannot be set by system copy procedure, you start the *Migration Monitor* manually.

## Software Provisioning



### SAP System Database

Enter the database parameters.

#### Database Identification

Database ID (DBSID) \*

HBD

Database Host \*

[Redacted]

Instance Number of the SAP HANA Database \*

20

Password of the SAP HANA Database System Administrator \*

\*\*\*\*\*

#### Additional Information

Note that you can only use an existing HANA Database.

Specify the database connectivity data of the database to be used for the SAP system.

## Software Provisioning



### SAP HANA Database System Administrator

Enter the password of the database system administrator.

#### SAP HANA Database System Administrator Password

Database ID

HBD

Database Host

[Redacted]

Instance Number of the SAP HANA Database \*

20

Password of the SAP HANA Database System Administrator \*

\*\*\*\*\*

Initialize database topology

☐

#### Additional Information

Choose Initialize database topology only if you have decided to delete all content of the database including all Users, Schemas, Roles and HANA Content. The database configuration will not be initialized. You want to choose this option in case you are doing a reinstall or a refresh of the system. The advantage of 'initTopology' against 'drop user' is that all data is deleted instantly which leads to a better performance during data import. 'initTopology' is only available for system copy.

Back Next

## Software Provisioning



## Database Schema

Enter the database schema password.

## Database Schema

Database ID	HBD
Database Host	[REDACTED]
Instance Number of the SAP HANA Database	20
Schema*	DBACOCKPIT
Drop Existing Schema	<input type="checkbox"/>
Schema Password*	*****
Confirm*	*****

## Additional Information

Follow dedicated instructions for the applicable scenario.

- **Installation / System Copy / Migration (Load-Based)**

The schema must either not exist in the database or if it exists the checkbox for dropping the existing schema must be checked in which case all data in the existing schema will be deleted.

The only exception is the DBACOCKPIT schema which can be used by multiple systems and does not have to be dropped if it exists.

- **Homogeneous System Copy (SAP HANA-specific Backup/Recovery)**

In case of a SAP HANA-specific system copy the schema name must be present in the database backup that will be restored.

- **System Rename**

Verify that the schema name is the correct one for the system to be renamed and enter the password.

◀ Back Next ▶



## Software Provisioning



### Database Schema

Enter the database schema password.

#### Database Schema

Database ID	HBD
Database Host	[REDACTED]
Instance Number of the SAP HANA Database	20
Schema *	[REDACTED]
Drop Existing Schema	<input type="checkbox"/>
Schema Password *	*****
Confirm *	*****

#### Additional Information

Follow dedicated instructions for the applicable scenario.

- **Installation / System Copy / Migration (Load-Based)**

The schema must either not exist in the database or if it exists the checkbox for dropping the existing schema must be checked in which case all data in the existing schema will be deleted.

The only exception is the DBACOCKPIT schema which can be used by multiple systems and does not have to be dropped if it exists.

- **Homogeneous System Copy (SAP HANA-specific Backup/Recovery)**

In case of a SAP HANA-specific system copy the schema name must be present in the database backup that will be restored.

- **System Rename**

Verify that the schema name is the correct one for the system to be renamed and enter the password.

[Back](#) [Next](#)

File SAPinst Help

## Software Provisioning



### SAP Control Connect Data

Specify the SAP Control connect data.

#### Authentication Data

Database <sid>adm Password \* \*\*\*\*\*

#### SAPControl WSDL URL

SAPControl WSDL URL \* [REDACTED] SAPControl?wsdl

#### Additional Information

The password of user <sid>adm is required in order to connect to the SAPControl service.

The SAP Control URL is usually `http://<dbhost>:5<instance number>13/SAPControl?wsdl`

SAPinst bpdadm@SAPDBPCAP01: SAP NetWeaver 7.4 Support Release 2 > SAP HANA Database > System Copy > Target System...

File SAPInst Help

## Software Provisioning

1 Choose Option 2 Define Parameters 3 Summary 4 Execute 5 Completed

### Database Recovery

Specify the name of the backup to restore.

**Database Backup**

Backup Location\*

Backup Name\*

☐ Do not check whether backup exists

**Additional Information**

The *Backup Name* must correspond to a set of backup files located in the *Backup Location*.

SAPinst bpdadm@SAPDBPCAP01: SAP NetWeaver 7.4 Support Release 2 > SAP HANA Database > System Copy > Target System...

File SAPInst Help

## Software Provisioning

1 Choose Option 2 Define Parameters 3 Summary 4 Execute 5 Completed

### SAP HANA License

Enter the path to a SAP HANA license file that is valid for the target database.

**SAP HANA License Installation**

SAP HANA License ☒ Install a new SAP HANA license  
☐ Do not install a new SAP HANA license

SAP HANA License File\*

**Additional Information**


A new SAP HANA license is required if a backup is recovered on a different SAP HANA instance.



SAPinst bpdadm@SAPDBPCAP01: SAP NetWeaver 7.4 Support Release 2 > SAP HANA Database > System Copy > Target System...

File SAPinst Help

## Software Provisioning



1 Choose Option 2 Define Parameters 3 Summary 4 Execute 5 Completed

### Actions Before SAP System Start

Choose if you want to interrupt the installation before starting the SAP system.

**Before SAP System Start**

☐ Interrupt before starting the SAP system

**Additional Information**


If you choose to interrupt the installation you can perform actions before starting the SAP system.

Back Next

SAPinst bpdadm@SAPDBPCAP01: SAP NetWeaver 7.4 Support Release 2 > SAP HANA Database > System Copy > Target System...

File SAPinst Help

## Software Provisioning



1 Choose Option 2 Define Parameters 3 Summary 4 Execute 5 Completed

### SAP System DDIC Users

Enter the password of DDIC user.

**DDIC Users in SAP System Clients**

Account: DDIC, client 000

Password of DDIC in Client 000 in the Source System \*

**Additional Information**

An RFC connection needs to be created to the system that you are installing.

An *SAP System Client* is a self-contained unit in an SAP system with separate master records and its own set of tables. ABAP user data is *SAP System Client*-specific.

SAPinst bpdadm@SAPDBPCAP01: SAP NetWeaver 7.4 Support Release 2 > SAP HANA Database > System Copy > Target System...

File SAPinst Help

## Software Provisioning

1 Choose Option 2 **Define Parameters** 3 Summary 4 Execute 5 Completed

### SAP HANA Client Software Installation Path

Decide about the client path strategy.

**Client Path Strategy**

Client Software Path ☒ Local Client Directory  
☐ Central Client Directory

**Additional Information**

Choose *Local Client Directory* for installing the client locally on each server to `/usr/sap/<SID>/hdbclient`.  
 Choose *Central Client Directory* to install into a central directory `$DIR_CT_RUN/hdbclient`.  
 In this case sapcpe is enabled for the client software. During a restart the instance client is kept up to date automatically.

SAPinst bpdadm@SAPDBPCAP01: SAP NetWeaver 7.4 Support Release 2 > SAP HANA Database > System Copy > Target System...

File SAPinst Help

## Software Provisioning

1 Choose Option 2 Define Parameters 3 **Summary** 4 Execute 5 Completed

### Parameter Summary

Choose 'Next' to start with the values shown. Otherwise, select the parameters to be changed and choose 'Revise'. You are then taken to the screen where you can change the parameter. You might be guided through other screens that have so far been processed.

Parameter list

- ☐ **Parameter Settings**  
 Parameter Mode  
 Custom
- ☐ **General SAP System Parameters**  
 Profile Directory  
 \\SAPDBPCAP01\sapmnt\BPD\SYS\profile
- ☐ **Master Password**  
 Password for All Users  
 \*\*\*\*\*
- ☐ **DNS Domain Name**  
☒ Set FQDN for SAP system  
 DNS Domain Name for SAP System  
 centralnt.msft
- ☐ **SAP System Database**  
 Copy Method

Back Next Revise Show Detail

## Software Provisioning



### Task Progress

Running phase: Perform database recovery using backup; COMPLETE\_DATA\_BACKUP\_BEFORE\_REFRESH

Phase 5 of 17

- ✓ Update system dlls
- ✓ Create users for SAP system
- ✓ Unpack SAP archives
- ✓ Create and load database
- Perform database recovery using backup; COMPLETE\_
- ◇ Setup database connection information
- ◇ Setup database connection information
- ◇ Perform post-load activities
- ◇ Database refresh postload-activities
- ◇ ABAP post installation activities
- ◇ Check DDIC password
- ◇ Run ABAP reports
- ◇ Perform table depooling (RUTPOADAPT)
- ◇ Create functions for CDS views (RUTCNVFUNCCRE1)
- ◇ Create DDL views (RUTDDLSCREATE)
- ◇ Restart instance
- ◇ Activate IFC Service (HTTP\_ACTIVATE\_NODE)



Back Next

Starting database recovery. This might take a while...

```
C:\Users\bpdadm>hdbuserstore LIST
DATA FILE      : C:\ProgramData\.hdb\SAPDBPCAP01\S-1-5-21-652549139-1170276914-
926709054-26463\SSFS_HDB.DAT
KEY FILE       : C:\ProgramData\.hdb\SAPDBPCAP01\S-1-5-21-652549139-1170276914-
926709054-26463\SSFS_HDB.KEY

KEY DEFAULT
  ENV : sapdbpcdb01:32015
  USER: SAPBPP

C:\Users\bpdadm>
```

SAPinst bpdadm@SAPDBPCAP01: SAP NetWeaver 7.4 Support Release 2 > SAP HANA Database > System Copy > Target System...

File SAPinst Help

## Software Provisioning

1 Choose Option 2 Define Parameters 3 Summary 4 Execute 5 Completed

### Task Progress

The task has completed.

All phases completed:

- ✓ Update system
- ✓ Create users for
- ✓ Unpack SAP archive
- ✓ Create and load
- ✓ Perform database
- ✓ Setup database
- ✓ Setup database
- ✓ Perform post-load
- ✓ Database refresh
- ✓ ABAP post installation
- ✓ Check DDIC packages
- ✓ Run ABAP reports
- ✓ Perform table depooling (RUTPOADAPT)
- ✓ Create functions for CDS views (RUTCNVFUNCCE1)
- ✓ Create DDL views (RUTDDLSCREATE)
- ✓ Restart instance
- ✓ Activate IFC Service (HTTP\_ACTIVATE\_NODE)

Execution of  
SAP NetWeaver 7.4 Support Release 2 > SAP HANA Database > System Copy > Target System > Distributed System > Based on AS ABAP > Database Refresh or Move  
has completed.

Consider sending the [feedback form](#) with statistics back to SAP SE. This helps SAP to continuously improve its tools.  
Make sure that you load the feedback form before closing this tool.

If your proxy settings do not allow sending the feedback directly, you can use the following link on another computer that has access to the host where the tool is running.  
<http://SAPDBPCAP01:4239/docs/710919d4d5b5dd50/EvalForm.html>

Choose OK to close the tool.

Show details OK

Back Next

copying E:/sapcds/SWPM10SP07/COMMON/REPORTING/UndeploymentResults.xsl

## HBD (SYSTEM)

SQL Result

```
SELECT SCHEMA_NAME AS "Schema", round(sum(MEMORY_SIZE_IN_
"MB" DESC
```

	Schema	MB
1	SAPBPP	13,363
2	AMCDANIEL	5,057
3	_SYS_STATISTICS	790
4	_SYS_REPO	571
5	_SYS_BI	4
6	_SYS_XS	3
7	_SYS_RT	2
8	_SYS_EPM	1
9	UIS	0
10	_SYS_TASK	0
11	_SYS_WORKLOAD_REPLAY	0
12	_SYS_AUDIT	0
13	SYS	0
14	SAP_HANA_ADMIN	0
15	SAP_REST_API	0
16	HANA_XS_BASE	0
17	SAP_XS_LM	0
18	SAP_XS_LM_PE	0
19	SAP_XS_USAGE	0



## HBQ (SYSTEM)

SQL Result











```
SELECT SCHEMA_NAME AS "Schema", round(sum(MEMORY_SIZE) / 1024, 2) AS "MB" DESC
```

	Schema	MB
1	SAPBPP	13,589
2	AMCDANIEL	5,057
3	_SYS_STATISTICS	793
4	_SYS_REPO	571
5	_SYS_BI	4
6	_SYS_XS	3
7	_SYS_RT	2
8	_SYS_EPM	1
9	SAP_XS_USAGE	0
10	SAP_XS_LM_PE	0
11	HANA_XS_BASE	0
12	SAP_XS_LM	0
13	SAP_REST_API	0
14	SAP_HANA_ADMIN	0
15	_SYS_AUDIT	0
16	_SYS_WORKLOAD_REPLAY	0
17	UIS	0
18	_SYS_TASK	0
19	SYS	0

HBD (SYSTEM) 192.168.201.154 20

Last Update: May 17, 2017 10:14:26 AM Interval: 60 Seconds

Overview Landscape Alerts Performance Volumes Configuration System Information Diagnose Files Trace Configuration

Services	Hosts	Redistribution	System Replication	Host: <All>	Service: <All>							
Active	Host	Port	Service	Detail	Start Time	Process ID	CPU	Mem.	Used Memory (MB)	Peak Used Memory (MB)	Effective Allocation Limit (MB)	Memory
	sapdbpc01	32010	compleserver		May 17, 2017 9:43:29 AM	12194	<div></div>	<div></div>	1,736	1,811	189,354	
	sapdbpc01	32000	daemon		May 17, 2017 9:43:23 AM	12096	<div></div>	<div></div>	0		0	
	sapdbpc01	32040	indexserver		May 17, 2017 9:43:31 AM	12245	<div></div>	<div></div>	15,442	26,453	203,059	
	sapdbpc01	32003	indexserver	master	May 17, 2017 9:43:31 AM	12243	<div></div>	<div></div>	28,629	56,028	216,244	
	sapdbpc01	32001	nameserver	master	May 17, 2017 9:43:25 AM	12145	<div></div>	<div></div>	2,857	2,913	190,602	
	sapdbpc01	32002	preprocessor		May 17, 2017 9:43:29 AM	12196	<div></div>	<div></div>	1,671	1,671	189,209	
	sapdbpc01		sapstartsv				<div></div>	<div></div>				
	sapdbpc01	32006	webdispacher		May 17, 2017 9:51:33 AM	13351	<div></div>	<div></div>	1,949	1,949	189,566	
	sapdbpc01	32007	xsengine		May 17, 2017 9:43:31 AM	12247	<div></div>	<div></div>	3,065	3,119	190,603	
	sapdbpc01	32042	xsengine		May 17, 2017 9:43:31 AM	12249	<div></div>	<div></div>	3,111	3,156	190,729	

## Post-Installation Actions for Transport Organizer

✓ System Change Option

SAP System Created by

☐ Standard Installation

☒ Database Copy of

Source System of Database Copy

Source system of database copy

BPQ

Change object originals



Do you want to change the originals from BPQ to BPD ?

Yes

No



Cancel

Confirmation Prompt



Delete TMS configuration ?

Yes

No



Cancel

NO

Confirmation Prompt



Delete old versions of the transport routes?

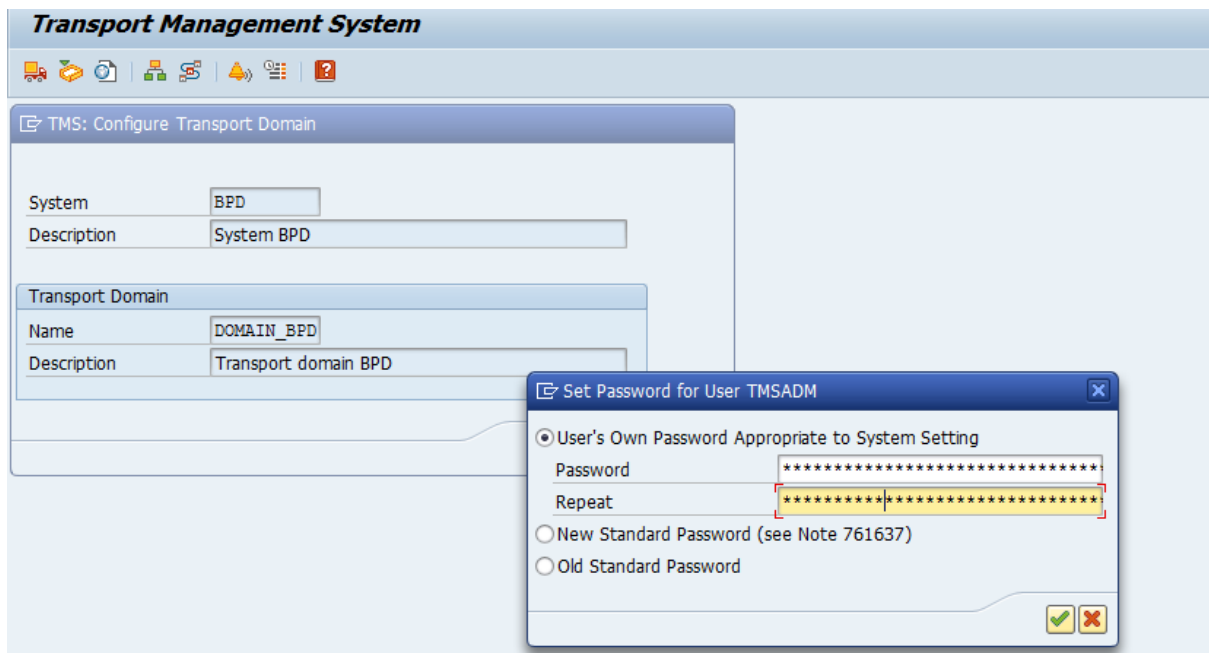
Yes

No



Cancel





TMS: Include System in Transport Domain

System: BPQ

Description: BPC Quality Assurance

Transport Domain

Name: DOMAIN\_BPD

Description: Transport domain BPD

Domain Controller

Name: BPD

Target host: [REDACTED]

System Number: 20

User: TMSADM

Save | Cancel | Help | Close

System: BPQ

Description: BPC Quality Assurance

Transport Domain: DOMAIN\_BPD

Name: BPD

Description: Transport domain BPD

Domain Controller: BPD

Target host: [REDACTED]

System Number: 20

User: TMSADM

Set Password for User TMSADM

☒ User's Own Password Appropriate to System Setting

Password: [REDACTED]

Repeat: [REDACTED]

☐ New Standard Password (see Note 761637)

☐ Old Standard Password

Save | Cancel | Help | Close

## Transport Management System



### TMS: Include System in Transport Domain

System

Description

#### Transport Domain

Name

Description

#### Domain Controller

Name

Target host

System Number

User



## Tool: Conversion of Logical System Names



### Converting logical system names

Old Logical System Name

New Logical System Name

- ☒ Conversion of Client-Dependent and Client-Independent Tables  
(e.g. Renaming Original System or Following Database Copy)
- ☐ Conversion of Client-Dependent Tables  
(e.g. Following a Client Copy)

☐ Test run ☐ Check Existence of New Names in Tables

Number of Entries per Commit

Tables to be Converted  to

### Options

- ☒ Determine Relevant Tables Again
- ☒ Start Conversion of Tables with Special Handling

BPD

**Data Browser: Table RSBASIDOC Select Entries 4**

Check Table...

Table: RSBASIDOC  
Displayed Fields: 12 of 12  
Fixed Columns: List Width: 0250

SLOGSYS	RLOGSYS	OBJSTAT	SIDOCITYP	TSIDOCNM	TSFPREFIX	SRCTYPE	SAPREL	TSIPSR	TIMESTMP	RSWBORL	RWBORL
BPDCLNT400	BPDCLNT400	ACT	ISAA001	000	AA	M	740	SAPADMIN	20.150.504.102.023	710	740
DATASVC	BPDCLNT400	ACT	ISAB004	000	AB	X		SAPADMIN	20.150.507.150.059		
PBWCLNT600	BPDCLNT400	ACT	ISBD007	000	BC	D	730	SAPADMIN	20.170.302.144.910	710	740
ZFLATFILE	BPDCLNT400	ACT	ISAC005	000	AC	F		UNADISE	20.160.919.192.247		

PBW

Data Browser: Table RSBASIDOC 16 Hits										
SLOGSYS	RLOGSYS	OBJSTAT	BDOCTYP	TSBDOC3X	TSPREFIX	SRCTYPE	SAPREL	TSTPNM	TIMESTMP	SBWBCRL
B-CENTRAL	PBWCLNT600	ACT	ZSOH011		OH	G		ALMCDANIEL	20,100,714,161,759	
BEAST	PBWCLNT600	ACT	ZSOB012		OI	G		ALMCDANIEL	20,100,714,161,826	
BGULF	PBWCLNT600	ACT	ZSOJ013		OJ	G		ALMCDANIEL	20,100,714,161,850	
CENTRAL	PBWCLNT600	ACT	ZSOD007		OD	G		ALMCDANIEL	20,100,416,144,621	
DATASERV	PBWCLNT600	ACT	ZSOL016		OL	X		ALMCDANIEL	20,111,111,161,027	
EASTERN	PBWCLNT600	ACT	ZSOE008		OE	G		ALMCDANIEL	20,100,416,144,659	
FLATFILE	PBWCLNT600	ACT	ZSOB005		OB	F		SMCIVER	20,060,519,203,123	
GULF400	PBWCLNT600	ACT	ZSOF009		OF	G		ALMCDANIEL	20,100,416,144,729	
KRONOS	PBWCLNT600	ACT	ZSOK014		OK	G		SBRYANT	20,131,108,140,232	
PBWCLNT600	BPDCLNT200	ACT	ZSB8007		BB	3	730	BWHANA	20,150,504,184,345	710 740
PBWCLNT600	BPPCLNT400	ACT	ZSBA003		BA	3	730	BWHANA	20,170,227,143,016	710 740
PBWCLNT600	BPQCLNT400	ACT	ZSBD007		BD	3	730	BWHANA	20,170,302,144,457	710 740
PBWCLNT600	PBWCLNT600	ACT	ZSOA001		OA	M	730	GHWANG	20,060,308,203,247	710 700
PRDCLNT300	PBWCLNT600	ACT	ZSPA004		PA	3	700	MOJHN	20,081,225,055,030	710 700
SOLUTION	PBWCLNT600	ACT	ZSOG010		OG	G		ALMCDANIEL	20,100,416,144,757	
UNITED	PBWCLNT600	ACT	ZSOC006		OC	G		ALMCDANIEL	20,100,120,220,303	

### RFC Destination PBWCLNT600

Remote Logon
Connection Test
Unicode Test

RFC Destination
PBWCLNT600

Connection Type
3
ABAP Connection
Description

Description

Description 1
PBWCLIENT 600

Description 2

Description 3

Administration
Technical Settings
Logon & Security
Unicode
Special Options

Target System Settings

Load Balancing Status

Load Balancing
Yes
No

Target Host
#rbwprd.centralnt.msft
Instance No.
02

Save to Database as

Save as
Host
IP Address
#rbwprd.centralnt.msft

Gateway Options

Gateway Host
Delete

Gateway service

RSAP\_BIW\_DISCONNECT

## Test Function Module: Initial Screen

  Debugging    Test data directory

Test for function group      RSAG  
Function module              RSAP\_BIW\_DISCONNECT  
Uppercase/Lowercase        ☐

RFC target sys:             

Import parameters	Value
I_BIW_LOGSYS	BPDCLNT400
I_OLTP_LOGSYS	PBWCLNT600
I_FORCE_DELETE	<input checked="" type="checkbox"/>

### Data Browser: Table RSBASIDOC Select Entries      3

 Check Table...

Table:              RSBASIDOC  
Displayed Fields: 12 of 12      Fixed Columns:      2      List Width: 8250

BLOGSYS	RLOGSYS	OBJSTAT	BIDOCITY	TSIDOCBK	TSAPREFIX	SRCITYPE	SAPREL	TSIPSW	TIMESTIME	SEWBCL	ASWBCL
<input type="checkbox"/> BPDCLNT400	BPDCLNT400	ACT	ESAA001	000	AA	M	740	SAPADMIN	20.150.504.102.023	710	740
<input type="checkbox"/> DATASVC	BPDCLNT400	ACT	ESAB004	000	AB	X		SAPADMIN	20.150.507.150.059		
<input type="checkbox"/> ZFLATFILE	BPDCLNT400	ACT	ESAC005	000	AC	F		UNADIRE	20.160.919.192.247		

### Data Browser: Table RSLOGSYSDEST Select Entries      4

Table:              RSLOGSYSDEST  
Displayed Fields:      2 of      2      Fixed Columns:      1      List Width: 02

	LOGSYS	DESTINATION
<input type="checkbox"/>	BPDCLNT400	BPDCLNT400
<input type="checkbox"/>	DATASVC	DATASVC
<input type="checkbox"/>	PBWCLNT600	PBWCLNT600
<input type="checkbox"/>	ZFLATFILE	ZFLATFILE

## Data Browser: Table RSLOGSYSDEST Select Entries

4



Table: RSLOGSYSDEST

Displayed Fields: 2 of 2

Fixed Columns:

1

Li

	LOGSYS	DESTINATION
<input type="checkbox"/>	BPDCLNT400	BPDCLNT400
<input type="checkbox"/>	DATASVC	DATASVC
<input type="checkbox"/>	PBWCLNT600	PBWCLNT600
<input type="checkbox"/>	ZFLATFILE	ZFLATFILE

### Structure

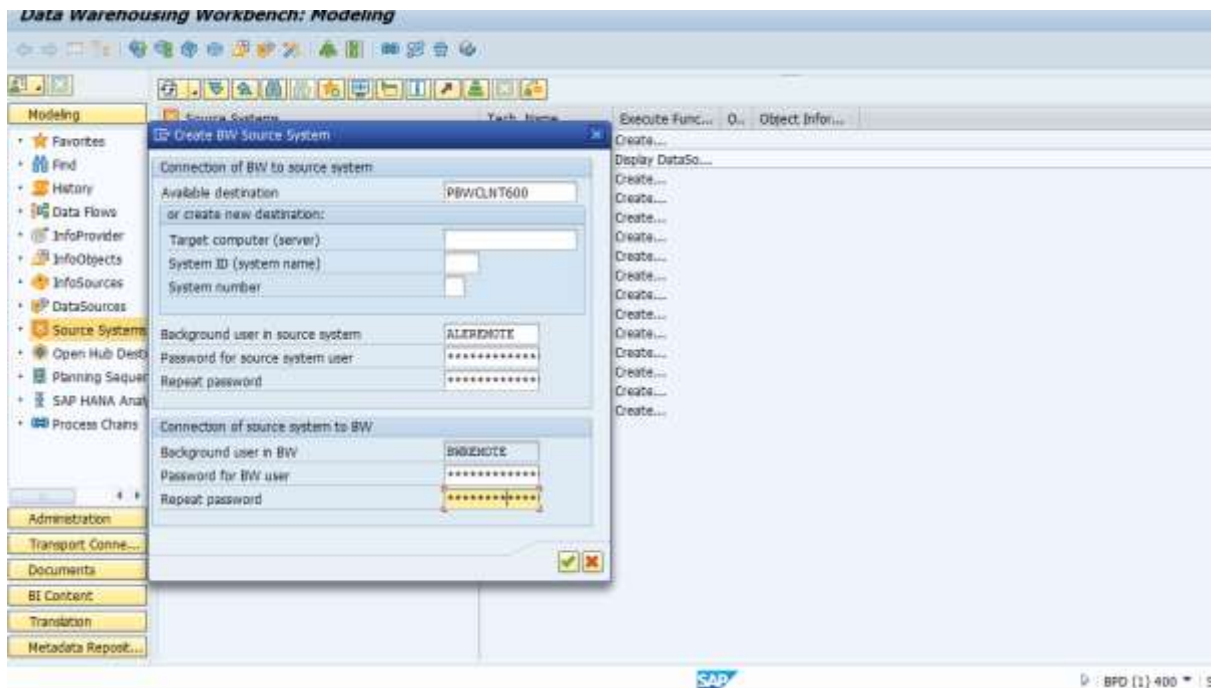
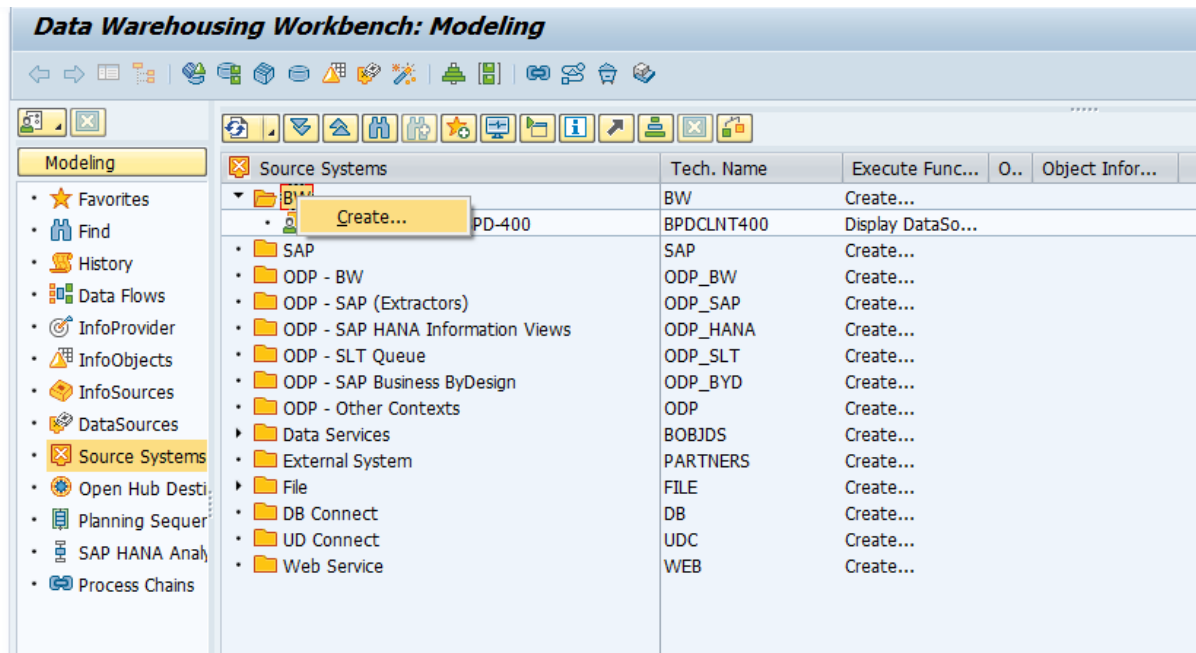
▼	60	SAP Customizing Implementation Guide
•	60	✓ Activate Business Functions
▶		SAP NetWeaver
▶		Cross-Application Components
▶		Financial Supply Chain Management
▼		Planning and Consolidation
▼		Configuration Parameters
•	60	✓ Set Global Parameters
•	60	✓ Set Environment Parameters
•	60	✓ Set Model Parameters
▼		Content Lifecycle Management
•	60	✓ Define Global Settings
•	60	✓ Define Authoring Domains
•	60	✓ Define Applications
•	60	✓ Maintain System Registry
•	60	✓ Maintain Technical Settings
▶		Integration with Other SAP Components

### Global parameter



Field Name	Value
ENABLE_ACCELERATOR	Y
ENABLE_QUERY_CACHE	X
PARALLEL_SERVER_GROUP	parallel_generators
RFC_DESTINATION	BPDCLNT400_BPC
SYSADMIN	_SYSTEM
TRANS_AUTO_OFFLINE	X





**SAP**

New password

Remote Logon

Client

User

Password

Logon Language

SAP System

App.Server

**New Source System Connection**

User already exists in source system  
Only continue if  
profile and password are correct.

**SAP**

New password

Remote Logon

Client

User

Password

Logon Language

SAP System

App.Server

**Check RFC destination**


RFC destination already exists in source system  
Do you want to use this destination, check, or  
cancel source system connection?

### Partner Profiles: Outbound Parameters

66

Partner No.	BPDCLNT200	PBW Client 600
Partn.Type	LS	Logical system
Partner Role		

 Message Type: RSEND
BIW: Send requested data to OLAP

Message code:

Message function: 
☐ Test

Outbound Options
Postprocessing: Permitted Agents
Telephony
EDI Standard

Receiver port: A000000040 ☐ Transactional RFC PBW Client 600

Pack. Size:

☐ Queue Processing

Output Mode

☒ Transfer IDoc Immed. Output Mode 2

☐ Collect IDocs

IDoc Type


Basic type:  Basis IDoc type ür BPDCLNT2...

Extension:

View:

☒ Cancel Processing After Syntax Error

Seg. release in IDoc type:  Segment Appl. Rel.

 Create BW Source System
 ✕

**Connection of BW to source system**

Background user in source system:

Password for source system user:

Repeat password:

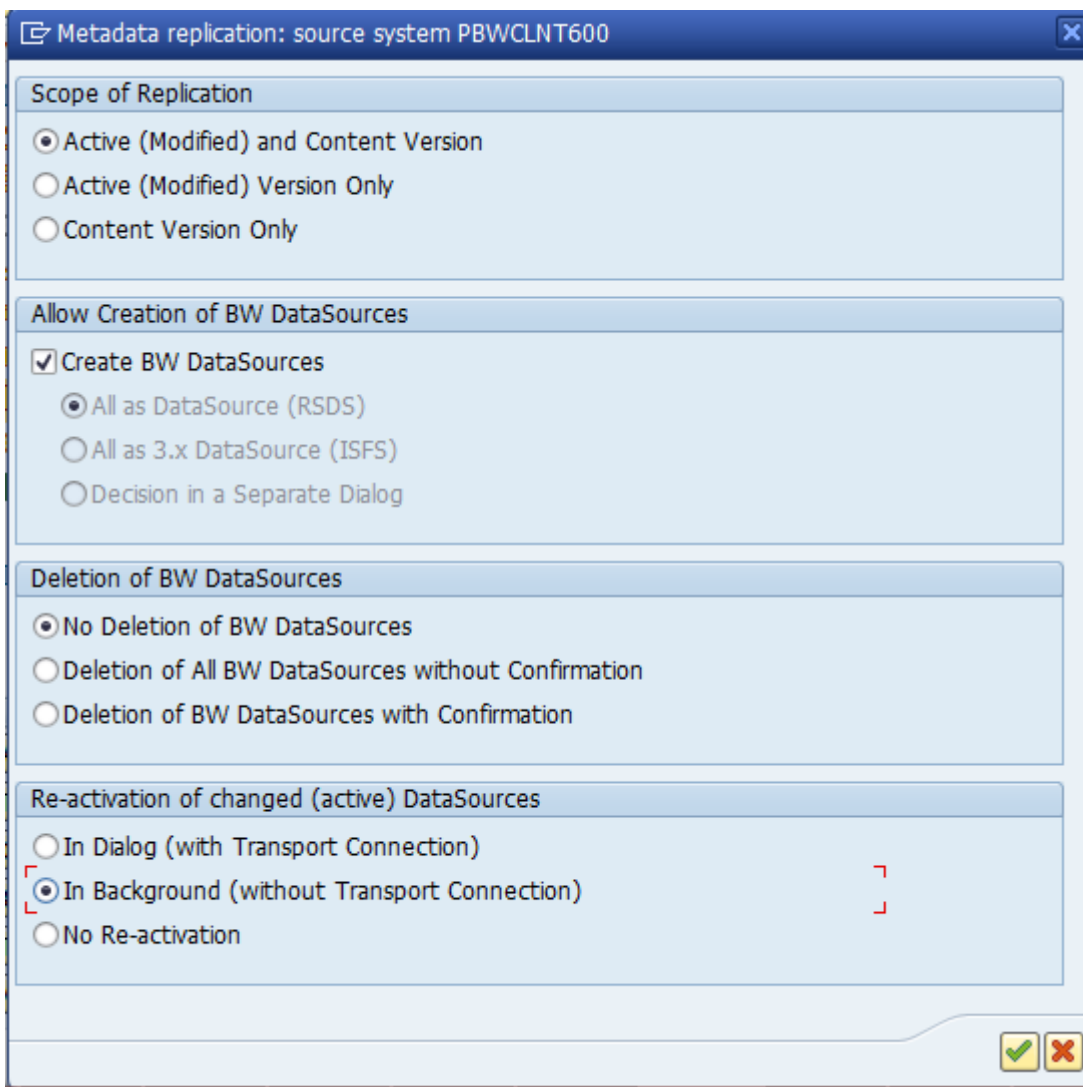
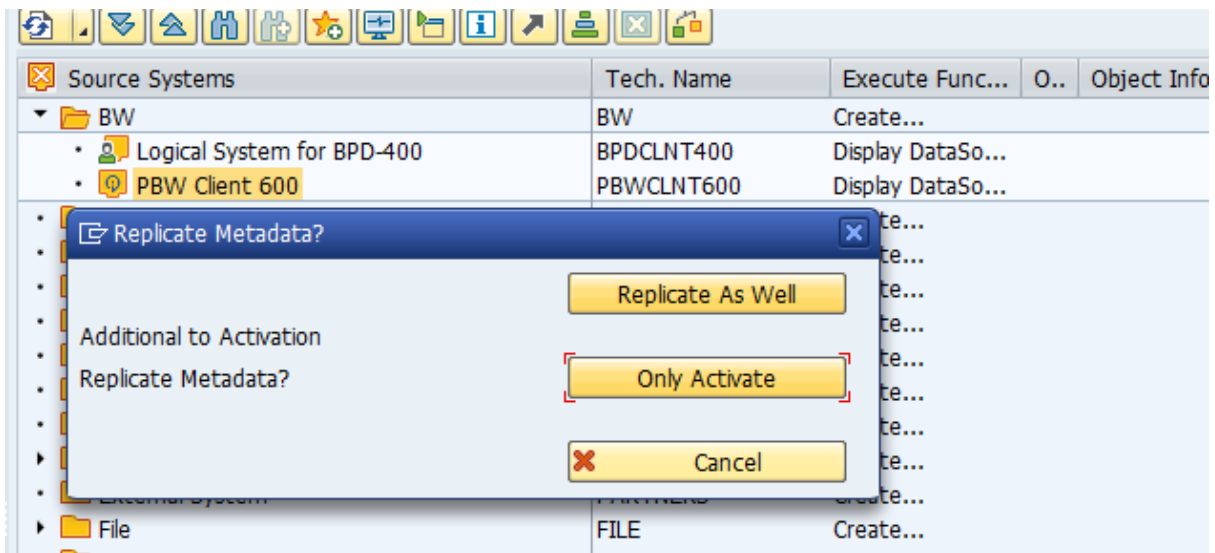
**Connection of source system to BW**

Background user in BW:

Password for BW user:

Repeat password:

✓
✕



DataSource modifications			
Action	Object type	DataSource	Description
<input checked="" type="checkbox"/> Update	RSDS	OBSPARTNER_TEXT	SAP GF: DataSource for business partner-texts
<input checked="" type="checkbox"/> Update	RSDS	OBSP_IND_SELECTOR_ATTR	GF: Industry (Default Value)
<input checked="" type="checkbox"/> Update	RSDS	OBSP_STATUS_ATTR	GF: Status
<input checked="" type="checkbox"/> Update	RSDS	OBSP_UNAME_46C_ATTR	Obsolete -> Use OBSP_UNAME_ORGUNIT_ATTR
<input checked="" type="checkbox"/> Update	RSDS	OBSP_UNAME_ORGUNIT_ATTR	BP: User Name / Organizational Unit
<input checked="" type="checkbox"/> Update	ISFS	OBWTC_C02	BW Statistics: Transaction Data OLAP
<input checked="" type="checkbox"/> Update	ISFS	OBWTC_C03	BW Statistics: Transact. Data OLAP, Detail Navigation Step
<input checked="" type="checkbox"/> Update	ISFS	OBWTC_C04	BW Statistics: Transact.Data Aggregate
<input checked="" type="checkbox"/> Update	ISFS	OBWTC_C05	BW Statistics: Transaction Data NEM
<input checked="" type="checkbox"/> Update	ISFS	OBWTC_C09	BW Statistics: Condensing InfoCubes
<input checked="" type="checkbox"/> Update	ISFS	OBWTC_C11	BW Statistics: Transact.Data Deletion from InfoCube
<input checked="" type="checkbox"/> Update	ISFS	OCMCDT1_ATTR	Category
<input checked="" type="checkbox"/> Update	ISFS	OCMCDT1_TEXT	Category
<input checked="" type="checkbox"/> Update	ISFS	OCMCDT2_ATTR	Subcategory
<input checked="" type="checkbox"/> Update	ISFS	OCMCDT3_ATTR	Segment
<input checked="" type="checkbox"/> Update	ISFS	OCMCDT4_ATTR	Subsegment
<input checked="" type="checkbox"/> Update	ISFS	OCMCDT5_ATTR	Sub-Subsegment
<input checked="" type="checkbox"/> Update	ISFS	OCMCDT5_TEXT	Sub-Subsegment
<input checked="" type="checkbox"/> Update	ISFS	OCMCDT6_ATTR	Product Group
<input checked="" type="checkbox"/> Update	ISFS	OCMCDT6_TEXT	Product Group
<input checked="" type="checkbox"/> Update	ISFS	OCMCDT7_ATTR	Brand
<input checked="" type="checkbox"/> Update	ISFS	OCMHIER_ATTR	CDT Hierarchy
<input checked="" type="checkbox"/> Update	ISFS	OCMHIER_TEXT	CDT Hierarchy
<input checked="" type="checkbox"/> Update	ISFS	OCOUNTRY_TEXT	Country
<input checked="" type="checkbox"/> Update	RSDS	OCSEM_USER_TEXT	Case Management: User Texts
<input checked="" type="checkbox"/> Update	ISFS	OCMATERIAL_CDT_HIER	Category Management: CDT Hierarchy Extractor
<input checked="" type="checkbox"/> Update	RSDS	OPRODUCT_ATTR	Product: General Attributes
<input checked="" type="checkbox"/> Update	RSDS	OPRODUCT_HIER	Product Hierarchy
<input checked="" type="checkbox"/> Update	RSDS	OPRODUCT_TEXT	Product: Texts
<input checked="" type="checkbox"/> Update	RSDS	OPROD_CATEG_ATTR	Product Category
<input checked="" type="checkbox"/> Update	RSDS	OPROD_CATEG_HIER	Product Category Hierarchy
<input checked="" type="checkbox"/> Update	RSDS	OPROD_CATEG_R3_MAP_ATTR	Product Category: R/3 Attribute Material Group
<input checked="" type="checkbox"/> Update	RSDS	OPROD_CATEG_TEXT	Product Categories
<input checked="" type="checkbox"/> Update	RSDS	OPR_BASE_UNIT_ATTR	Product: Base Unit of Measure
<input checked="" type="checkbox"/> Update	RSDS	OPR_PURCHASE_CATEG_ATTR	Product: Purchasing Category

Source Systems			
Source Systems	Tech. Name	Execute Func...	Object Infor...
<ul style="list-style-type: none"> <li>BW           <ul style="list-style-type: none"> <li>Logical System for BPD-400</li> <li>PBW Client 600</li> </ul> </li> </ul>	BW BPDCLNT400 PBW/CLNT600	Create... Display DataSo... Display DataSo...	
<div> <div>Restore Source System</div> <div>            Do you want to reactivate all transfer structures and DataSources?         </div> <div> <input checked="" type="button" value="Yes"/> <input type="button" value="No"/> </div> </div>			
<ul style="list-style-type: none"> <li>File</li> <li>DB Connect</li> <li>UD Connect</li> <li>Web Service</li> </ul>	FILE DB UDC WEB	Create... Create... Create... Create...	

Data Browser: Table RSBASIDOC 17 Hits											
Check Table...											
SLOGSYS	RLOGSYS	OBJSTAT	BIDOCITY	TSIDOCX	TSPREFIX	SRCTYPE	SAPREL	TSTPMN	TIMESTMP	SBWBCRL	RBWBCRL
B-CENTRAL	PBWCLNT600	ACT	ZSOH011		OH	G		ALMCDANIEL	20,100,714,161,759		
BEAST	PBWCLNT600	ACT	ZSOI012		OI	G		ALMCDANIEL	20,100,714,161,826		
BGULF	PBWCLNT600	ACT	ZSOJ013		OJ	G		ALMCDANIEL	20,100,714,161,850		
CENTRAL	PBWCLNT600	ACT	ZSOD007		OD	G		ALMCDANIEL	20,100,416,144,621		
DATASERV	PBWCLNT600	ACT	ZSOL016		OL	X		ALMCDANIEL	20,111,111,161,027		
EASTERN	PBWCLNT600	ACT	ZSOE008		OE	G		ALMCDANIEL	20,100,416,144,659		
FLATFILE	PBWCLNT600	ACT	ZSOB005		OB	F		SMCIVER	20,060,519,203,123		
GULF400	PBWCLNT600	ACT	ZSOF009		OF	G		ALMCDANIEL	20,100,416,144,729		
KRONOS	PBWCLNT600	ACT	ZSOK014		OK	G		SBRYANT	20,131,108,140,232		
PBWCLNT600	BPDCLNT200	ACT	ZSB8007		BB	3	730	BWHANA	20,150,504,184,345	710	740
PBWCLNT600	BPDCLNT400	ACT	ZSBC009		BC	3	730	BWHANA	20,170,517,171,923	710	740
PBWCLNT600	BPPCLNT400	ACT	ZSBA003		BA	3	730	BWHANA	20,170,227,143,016	710	740
PBWCLNT600	BPQCLNT400	ACT	ZSBO007		BD	3	730	BWHANA	20,170,302,144,457	710	740
PBWCLNT600	PBWCLNT600	ACT	ZSOA001		OA	M	730	GHWANG	20,060,308,203,247	710	700
PRDCLNT300	PBWCLNT600	ACT	ZSPA004		PA	3	700	MJOHN	20,081,225,055,030	710	700
SOLUTION	PBWCLNT600	ACT	ZSOG010		OG	G		ALMCDANIEL	20,100,416,144,757		
UNITED	PBWCLNT600	ACT	ZSOC006		OC	G		ALMCDANIEL	20,100,120,220,303		

Data Browser: Table RSBASIDOC Select Entries 4											
Check Table...											
Table: RSBASIDOC											
Displayed Fields: 12 of 12 Fixed Columns: List Width 0250											
SLOGSYS	RLOGSYS	OBJSTAT	BIDOCITY	TSIDOCX	TSPREFIX	SRCTYPE	SAPREL	TSTPMN	TIMESTMP	SBWBCRL	RBWBCRL
BPDCLNT400	BPDCLNT400	ACT	ZSAA001	000	AA	M	740	SAPADMIN	20,180,504,102,023	710	740
DATASVC	BPDCLNT400	ACT	ZSAB004	000	AB	X		SAPADMIN	20,180,507,150,059		
PBWCLNT400	BPDCLNT400	ACT	ZSBC008	000	BC	C	730	SAPADMIN	20,170,517,171,903	710	740
ZPLAYFILE	BPDCLNT400	ACT	ZSAC005	000	AC	F		UKADIRE	20,160,919,192,247		

### Test Function Module: Initial Screen

Debugging
 Test data directory

Test for function group

Function module

Uppercase/Lowercase ☐

RFC target sys:

Import parameters	Value
I_BIW_LOGSYS	BPDCLNT200
I_OLTP_LOGSYS	PBWCLNT600
I_FORCE_DELETE	<input checked="" type="checkbox"/>



**Data Browser: Table RSBASIDOC 16 Hits**

SLOGSYS	RLOGSYS	OBJSTAT	BIDOCYTP	TSIDOC3X	TSRPREFX	SRCATYPE	SAPREL	TSTPNM	TIMESTAMP	SBWBCRL	RBWBCRL
BCESTRAL	PBWCLNT600	ACT	ZSOH011		OH	G		ALMCDANIEL	20,100,714,161,799		
BEAST	PBWCLNT600	ACT	ZSOI012		OI	G		ALMCDANIEL	20,100,714,161,826		
BGULF	PBWCLNT600	ACT	ZSO0013		OJ	G		ALMCDANIEL	20,100,714,161,850		
CENTRAL	PBWCLNT600	ACT	ZSOD007		OD	G		ALMCDANIEL	20,100,410,144,621		
DATASERV	PBWCLNT600	ACT	ZSOL016		OL	X		ALMCDANIEL	20,111,111,161,027		
EASTERN	PBWCLNT600	ACT	ZSOE008		OE	G		ALMCDANIEL	20,100,410,144,609		
FLATFILE	PBWCLNT600	ACT	ZSOB005		OB	F		SMCIVER	20,060,519,203,123		
GULF400	PBWCLNT600	ACT	ZSOF009		OF	G		ALMCDANIEL	20,100,410,144,729		
KRONOS	PBWCLNT600	ACT	ZSOK014		OK	G		SBRYANT	20,131,108,140,232		
PBWCLNT600	BPDCLNT400	ACT	ZSBC009		BC	3	730	BVHANA	20,170,517,171,923	710	740
PBWCLNT600	BPPCLNT400	ACT	ZSBA003		BA	3	730	BVHANA	20,170,227,143,016	710	740
PBWCLNT600	BPQCLNT400	ACT	ZSBD007		BD	3	730	BVHANA	20,170,302,144,457	710	740
PBWCLNT600	PBWCLNT600	ACT	ZSQA001		QA	M	730	GHWANG	20,060,308,203,247	710	700
PRDCLNT300	PBWCLNT600	ACT	ZSPA004		PA	3	700	NUCHN	20,081,225,055,030	710	700
SOLUTION	PBWCLNT600	ACT	ZSOG010		OG	G		ALMCDANIEL	20,100,410,144,757		
UNITED	PBWCLNT600	ACT	ZSOC006		OC	G		ALMCDANIEL	20,100,120,220,303		

Remove extra node:

Xsengine:

HBD (SYSTEM)

192.168.201.154.20

Last Update: May 17, 2017 10:14:26 AM

Interval: 60

Seconds

Overview

Landscape

Alerts

Performance

Volumes

Configuration

System Information

Diagnose Files

Trace Configuration

Services	Hosts	Redistribution	System Replication	Host	<All>	Service	<All>					
Active	Host	Port	Service	Detail	Start Time	Process ID	CPU	M...	Used Memory (MB)	Peak Used Memory (MB)	Effective Allocation Limit (MB)	Memory Physical
	sapdbpcdb01	32010	compleserver		May 17, 2017 9:43:29 AM	12194	<div></div>	<div></div>	1,736	1,811	189,354	
	sapdbpcdb01	32000	daemon		May 17, 2017 9:43:23 AM	12096	<div></div>	<div></div>	0	0	0	
	sapdbpcdb01	32040	indexserver		May 17, 2017 9:43:31 AM	12245	<div></div>	<div></div>	15,442	26,453	203,059	
	sapdbpcdb01	32003	indexserver	master	May 17, 2017 9:43:31 AM	12243	<div></div>	<div></div>	28,629	56,028	216,244	
	sapdbpcdb01	32001	nameserver	master	May 17, 2017 9:43:25 AM	12145	<div></div>	<div></div>	2,857	2,913	190,602	
	sapdbpcdb01	32002	preprocessor		May 17, 2017 9:43:29 AM	12196	<div></div>	<div></div>	1,671	1,671	189,209	
	sapdbpcdb01		sapstarterv				<div></div>	<div></div>				
	sapdbpcdb01	32006	webdispacher		May 17, 2017 9:51:30 AM	13351	<div></div>	<div></div>	1,949	1,949	189,566	
	sapdbpcdb01	32007	xsengine		May 17, 2017 9:43:31 AM	12247	<div></div>	<div></div>	3,065	3,119	190,683	
	sapdbpcdb01	32042	xsengine		May 17, 2017 9:43:31 AM		<div></div>	<div></div>	3,113	3,156	190,729	

Stop...

Kill...

Reconfigure Service...

Start Missing Services

Reset Memory Statistics

Remove Service

Open Memory Allocation Statistics

**Remove Service**

Remove xsengine on sapdbpcdb01:32042?

Service specific data will be reorganized and the service will be deleted.

OK Cancel

indexserver

HBD (SYSTEM)

192.168.201.154.20

Last Update: May 18, 2017 1:21:38 AM

Interval: 60 Seconds

Overview

Landscape

Alerts

Performance

Volumes

Configuration

System Information

Diagnosis Files

Trace Configuration

Services

Hosts

Redistribution

System Replication

Host: <All>

Service: <All>

3%

Active	Host	Port	Service	Detail	Start Time	Process ID	CPU	M...	Used Memory (MB)	Peak Used Memory (MB)	Effective Allocation Limit (MB)	Memory
	sapdbpcdb01	32010	compleserver		May 17, 2017 9:43:29 AM	12194			1,736	1,811	187,220	
	sapdbpcdb01	32000	daemon		May 17, 2017 9:43:23 AM	12096			0	0	0	
	sapdbpcdb01	32040	indexserver		May 17, 2017 9:43:31 AM	12248			15,689	26,463	201,173	
	sapdbpcdb01	32003	indexserver	master	May 17, 2017 9:43:31 AM	12243			31,703	56,028	217,187	
	sapdbpcdb01	32001	nameserver	master	May 17, 2017 9:43:25 AM	12145			2,964	2,913	188,476	
	sapdbpcdb01	32002	preprocessor		May 17, 2017 9:43:29 AM	12196			1,675	1,675	187,158	
	sapdbpcdb01		sapstarterv									
	sapdbpcdb01	32006	webdispacher		May 17, 2017 9:51:30 AM	13351			1,951	1,951	187,435	
	sapdbpcdb01	32007	xsengine		May 17, 2017 9:43:31 AM	12247			3,074	3,119	188,558	



SQL Result

```

1 select count(*) from sys.H_TABLE_PERSISTENCE_LOCATIONS where (host = 'sapdbpcdb01' and port = '32040')
2 or (persistence_host = 'sapdbpcdb01' and persistence_port = '32040');
3
4 call SYS.UPDATE_LANDSCAPE_CONFIGURATION('SET REMOVE','sapdbpcdb01:32040');
5
6 call REORG_GENERATE(2,'')
7
8 call REORG_EXECUTE(?)
9
10 select * from SYS.REORG_OVERVIEW;
11 select * from M_VOLUMES;
12
13 call UPDATE_LANDSCAPE_CONFIGURATION('EXECUTE REMOVE','sapdbpcdb01:32040');
14

```

SQL Result

```
select * from M_VOLUMES
```

	HOST	PORT	SERVICE_NAME	VOLUME_ID	SUBPATH	LIVECACHE_STORE	REMOVE_STATUS
1	sapdbpcdb01	32,001	nameserver	1	mnt00001/hdb00001	NO	
2	sapdbpcdb01	32,003	indexserver	4	mnt00001/hdb00004	SHARED	
3	sapdbpcdb01	32,040	indexserver	5	mnt00001/hdb00005	NO	REORG FAILED
4	sapdbpcdb01	32,007	xsengine	6	mnt00001/hdb00006	NO	

Below tables are not moved to master index node.

SQL Result

```
select * from sys.H_TABLE_PERSISTENCE_LOCATIONS where (host = 'sapdbpcdb01' and port = '32040')
or (persistence_host = 'sapdbpcdb01' and persistence_port = '32040')
```

	SCHEMA_NAME	TABLE_NAME	PART_ID	IS_HISTORY	PERSISTENCE_HOST	PERSISTENCE_PORT	TABLE_OID	DATA_SOURCE	HOST	PORT	SITE_ID
4	SAPSRP	/IWBEP/I_SBO_AT	0	FALSE	sapdbpcdb01	32,040	163,185	1	sapdbpcdb01	32,040	-1
5	SAPSRP	/IWBEP/I_SBO_DS	0	FALSE	sapdbpcdb01	32,040	163,426	1	sapdbpcdb01	32,040	-1
6	SAPSRP	/IWFND/I_MED_AEN	0	FALSE	sapdbpcdb01	32,040	153,904	1	sapdbpcdb01	32,040	-1
7	SAPSRP	/IWFND/I_MED_AMS	0	FALSE	sapdbpcdb01	32,040	154,178	1	sapdbpcdb01	32,040	-1
8	SAPSRP	/IWFND/I_MED_NCO	0	FALSE	sapdbpcdb01	32,040	156,025	1	sapdbpcdb01	32,040	-1
9	SAPSRP	/IWFND/I_MED_RRP	0	FALSE	sapdbpcdb01	32,040	157,153	1	sapdbpcdb01	32,040	-1
10	SAPSRP	/IWFND/I_MED_THR	0	FALSE	sapdbpcdb01	32,040	158,410	1	sapdbpcdb01	32,040	-1
11	SAPSRP	/POA/D_DEMOTEMS	0	FALSE	sapdbpcdb01	32,040	488,964	1	sapdbpcdb01	32,040	-1
12	SAPSRP	/POA/D_RES_SC	0	FALSE	sapdbpcdb01	32,040	489,252	1	sapdbpcdb01	32,040	-1
13	SAPSRP	/POA/D_XML_VALS	0	FALSE	sapdbpcdb01	32,040	489,405	1	sapdbpcdb01	32,040	-1
14	SAPSRP	/SDP/TC_RULE_T	0	FALSE	sapdbpcdb01	32,040	186,797	1	sapdbpcdb01	32,040	-1
15	SAPSRP	/UIS/IME_PCKG	0	FALSE	sapdbpcdb01	32,040	186,153	1	sapdbpcdb01	32,040	-1
16	SAP_XS_LM	sap.hana.xs.lm.d...	0	FALSE	sapdbpcdb01	32,040	144,300	1	sapdbpcdb01	32,040	-1
17	SAP_XS_LM	sap.hana.xs.lm.d...	0	FALSE	sapdbpcdb01	32,040	144,290	1	sapdbpcdb01	32,040	-1
18	SYS	RS_LOB_GARBAG...	0	FALSE	sapdbpcdb01	32,040	23,196,...	1	sapdbpcdb01	32,040	-1

Try to manually move the table from Table distribution view:

Table Name: /PMS/EOX00 Schema Name:  ☐ Show only tables on visible hosts

Table Type	Table Name	Schema Name	sapdbpcdb01:32003	sapdbpcdb01:32040
	/PMS/EOX00	SAPSRP		

Open Definition  
 Open Content  
 Move Table...  
 Partition Table...  
 Configure Table...

Table Name: /1CPMB/E02K00 Schema Name: SAPBPP ☐ Show only tables on visible hosts

Table Type	Table Name	Schema Name	sapdbpcdb01:32003	sapdbpcdb01:32040
	/1CPMB/E02K00	SAPBPP		

**Move Table**

Select the host to which you want to move table 'SAPBPP./1CPMB/E02K00'.

Host: sapdbpcdb01:32003

**HBD (SYSTEM)** 192.168.201.154 20

❌ The partitions cannot be moved to host 'sapdbpcdb01:32003'; the host has a memory shortfall of approximately 1 KB

```

SQL
16 alter table "SAPBPP"."/1CPMB/E02K00" MOVE To LOCATION 'sapdbpcdb01:32003';
17 alter table "SAPBPP"."/IWBEF/I_MGW_VAA" MOVE To LOCATION 'sapdbpcdb01:32003';
18 alter table "SAPBPP"."/IWBEF/I_MGW_VOH" MOVE To LOCATION 'sapdbpcdb01:32003';
19 alter table "SAPBPP"."/IWBEF/I_SBD_AT" MOVE To LOCATION 'sapdbpcdb01:32003';
20 alter table "SAPBPP"."/IWBEF/I_SBD_DS" MOVE To LOCATION 'sapdbpcdb01:32003';
21 alter table "SAPBPP"."/IWFD/I_MED_AEN" MOVE To LOCATION 'sapdbpcdb01:32003';
22 alter table "SAPBPP"."/IWFD/I_MED_ANS" MOVE To LOCATION 'sapdbpcdb01:32003';
23 alter table "SAPBPP"."/IWFD/I_MED_NOD" MOVE To LOCATION 'sapdbpcdb01:32003';
24 alter table "SAPBPP"."/IWFD/I_MED_PRP" MOVE To LOCATION 'sapdbpcdb01:32003';
25 alter table "SAPBPP"."/IWFD/I_MED_TXR" MOVE To LOCATION 'sapdbpcdb01:32003';
26 alter table "SAPBPP"."/POA/D_DEMOITEMS" MOVE To LOCATION 'sapdbpcdb01:32003';
27 alter table "SAPBPP"."/POA/D_RES_SC" MOVE To LOCATION 'sapdbpcdb01:32003';
28 alter table "SAPBPP"."/POA/D_XML_VALS" MOVE To LOCATION 'sapdbpcdb01:32003';
29 alter table "SAPBPP"."/SDF/TC_RULE_T" MOVE To LOCATION 'sapdbpcdb01:32003';
30 alter table "SAPBPP"."/UIS/HIME_PKG" MOVE To LOCATION 'sapdbpcdb01:32003';
31 alter table "SAP_XS_LM"."sap.hana.xs.lm.db::CONFIGURATION" MOVE To LOCATION 'sapdbpcdb01:32003';
32 alter table "SAP_XS_LM"."sap.hana.xs.lm.db::CONF_HISTORY" MOVE To LOCATION 'sapdbpcdb01:32003';
33 alter table "SYS"."RS_LOB_GARBAGE_5_" MOVE To LOCATION 'sapdbpcdb01:32003';
34

Statement 'alter table "SAPBPP"."/IWBEF/I_MGW_VAA" MOVE To LOCATION 'sapdbpcdb01:32003''
successfully executed in 34 ms 236 µs (server processing time: 33 ms 520 µs) - Rows Affected: 0

Statement 'alter table "SAPBPP"."/IWBEF/I_MGW_VOH" MOVE To LOCATION 'sapdbpcdb01:32003''
successfully executed in 34 ms 827 µs (server processing time: 33 ms 975 µs) - Rows Affected: 0

Statement 'alter table "SAPBPP"."/IWBEF/I_SBD_AT" MOVE To LOCATION 'sapdbpcdb01:32003''
successfully executed in 36 ms 830 µs (server processing time: 36 ms 107 µs) - Rows Affected: 0

Could not execute 'alter table "SAPBPP"."/IWBEF/I_SBD_DS" MOVE To LOCATION 'sapdbpcdb01:32003'' in 23.843 seconds .
SAP DBTech JDBC: [2048]: column store error: fail to move index to location: [2999] general error (no further information
available):exception 70012001: connection refused

```

**HDD (SYSTEM)** 192.168.201.154 20

SQL Result

```
select * from M_VOLUMES
```

	HOST	PORT	SERVICE_NAME	VOLUME_ID	SUBPATH	LIVECACHE_STORE	REMOVE_STATUS
1	sapdbpcdb01	32,001	nameserver	1	mnt00001/hdb00001	NO	
2	sapdbpcdb01	32,003	indexserver	4	mnt00001/hdb00004	SHARED	
3	sapdbpcdb01	32,040	indexserver	5	mnt00001/hdb00005	NO	REORG FINISHED
4	sapdbpcdb01	32,007	xsengine	6	mnt00001/hdb00006	NO	

