

APPLIES TO:

SAP Update/Upgrade using SUM tool (Software Update Manager).

SUMMARY

This article explains how to update/upgrade the SAP System.

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SAP Update or Upgrade through SUM

SUM : It is a comprehensive Tool that is used Apply the Support packages/Add-ons, Kernel Update and SAP Upgrade. Download the latest SUM from SAP Market Place along with the SUM Note. The Software Update Manager (SUM) is the tool for various system maintenance procedures such as:

- Release upgrades (major release change) 7.0, 7.1, 7.3, 7.4 to 7.5.
- System updates (EHP installation) ERP6 to ERP 6 EHP4,5,6,7,8.
- Support Packages (SPs) / Support Package Stacks applications (SPO to SP3).
- Java patches applications.
- Corrections of installed software information (Kernel and Single Support Packs).
- Conversion of SAP systems to SAP S/4HANA.

In addition it offers the following options and features:

- DMO: Database Migration Option (system update combined with database migration to SAP HANA, SAP ASE, or MS SQL)
- ZDO: Zero Downtime Option (upgrades without a technical downtime and with a minimized business downtime)
- nZDM: Near-Zero Downtime Maintenance(includes features to minimize Business Downtime)
- Benchmarking Tool
- Table Comparison
- Customer Releases

The Following Information is related to a Source Version of SAP Netweaver System which is proposed for Upgrade.

SOURCE: Netweaver 7.5-0000

TARGET: Netweaver 7.5-0003

OS: Windows Server 2012R2

Database: MSSQL 2012

SUM tool version: SUM1.0 SP17

Expected Down Time: 4 Hours

Procedure:

1. Add the System in Solution Manager.
2. Configure RZ70 to Pouplate the Information into SLD(System Landscape Directory).
3. Configure LMDB or SMSY.
4. Define Solution in Solution_Manager(dswp) unitl 7.0. Use Solman_Workcenter from Solution Manager version 7.1.
5. Create a Transaction in Maintenance Optimizer and Choose the Select the Update/Upgrade Automatically/Manually.The selected packages information is stored in stack.xml
6. Download stack.xml file using MOPZ(maintenance Optimizer) from Solution manager.
7. Download the software media for update/upgrade using (SAP Software Download Manager).Download latest SUM tool for upgrade.
8. Copy the SUM<version>.SAR file to /usr/sap/SID of target system.
9. Login to the Operating System as SIDADM user & UNCAR the SUM<version>.SAR file. It generates a SUM Folder along with Sum Sub Directories.
10. Navigate to /usr/sap/SID/SUM and run the following scripts to start SUM TOOL(Software Logisticis Controller)
11. >STARTUP.BAT on Windows or use ./startup on Unix Operating Systems.

```
Administrator: Command Prompt

Directory of D:\usr\sap\EHI\SUM

08/03/2016 09:00 AM <DIR> .
08/03/2016 09:00 AM <DIR> ..
08/03/2016 10:50 AM <DIR> abap
08/03/2016 08:57 AM <DIR> jvm
08/03/2016 08:57 AM <DIR> jvm6
08/03/2016 08:58 AM <DIR> sapcrypto
08/03/2016 10:44 AM <DIR> sdt
06/05/2016 10:27 AM          278 STARTUP.BAT
06/05/2016 10:27 AM        24,407 STARTUP.JS
06/05/2016 02:02 PM          335 summanifest.mf
02/27/2015 05:27 AM    4,846,592 vcredist_x64.msi_done
          4 File(s)      4,871,612 bytes
          7 Dir(s)    1,318,506,278,912 bytes free

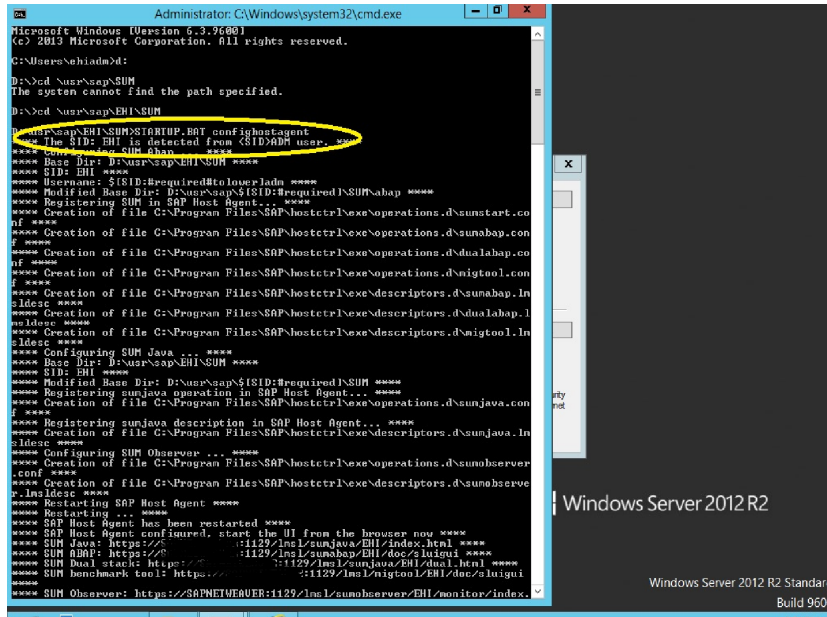
D:\usr\sap\EHI\SUM>STARTUP.BAT
**** The $SID: EHI is detected from <SID>ADM user. ****
SAP directory - D:\usr\sap
EHI directory - D:\usr\sap\EHI
Configuring file access for D:\usr\sap\EHI\SUM...
Starting DSUService (D:\usr\sap\EHI\SUM\sdt\exe\DSUService.bat )...

D:\usr\sap\EHI\SUM>
```

```
C:\Windows\system32\cmd.exe

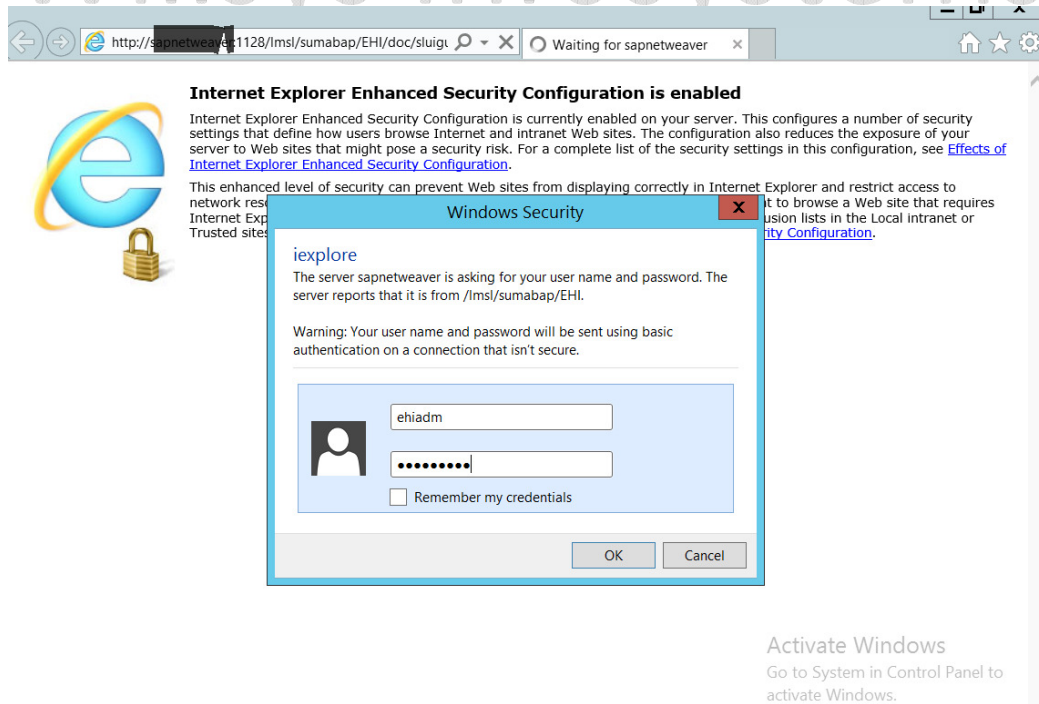
Aug 5, 2016 11:53:34 PM [Info]: Starting StorageService ...
Aug 5, 2016 11:53:34 PM [Info]: Initializing SecurityManager ...
Aug 5, 2016 11:53:34 PM [Info]: Server certificate fingerprint is DE 6E 52 17 80
75 82 A7 7D 8B 44 8E 9E 4B BE A3
Aug 5, 2016 11:53:34 PM [Info]: Configuring HTTPManager ...
Aug 5, 2016 11:53:34 PM [Info]: Starting WebstartService ...
Aug 5, 2016 11:53:34 PM [Info]: Starting RoleService ...
Aug 5, 2016 11:53:34 PM [Info]: Starting AlertService ...
Aug 5, 2016 11:53:34 PM [Info]: Starting NotesService ...
Aug 5, 2016 11:53:34 PM [Info]: Starting ProcessService ...
Aug 5, 2016 11:53:34 PM [Info]: Starting MIDService ...
Aug 5, 2016 11:53:34 PM [Info]: Starting FileService ...
Aug 5, 2016 11:53:34 PM [Info]: LogService switched off.
Aug 5, 2016 11:53:34 PM [Info]: Starting MailService ...
Aug 5, 2016 11:53:34 PM [Info]: Starting services ...
Aug 5, 2016 11:53:34 PM [Info]: Starting service "UseCaseService" ...
Aug 5, 2016 11:53:35 PM [Info]: Starting MIDService ...
Aug 5, 2016 11:53:38 PM [Info]: Service "UseCaseService" started
Aug 5, 2016 11:53:38 PM [Info]: Services started.
Aug 5, 2016 11:53:38 PM [Info]: Starting HTTP server listening on port 4239 ...

Aug 5, 2016 11:53:38 PM [Info]: HTTP server started.
Aug 5, 2016 11:53:38 PM [Info]: SL Controller started.
```



12. >STARTUP.BAT confighostagent (configuring the SUM tool to Use the Host Agent)
13. Now login to Administrator user and access/start the SUM for ABAP with following URL.
<https://hostname:1129/lmsl/sumabap/EHI/doc/sluigi> (SSL should be configured)
<http://hostname:1128/lmsl/sumabap/EHI/doc/sluigi> provide sidadm userid and password.

Willsys Infosystems



****SUM PHASES****

1- Initialization:

>Provide the Location of Stack.XML file(Specify the Complete Path) and click on NEXT.

SAP Software Update Manager 1.0 SP17 (PL0) Legend | More

HOME

57% Process is in dialog state

Current Phase: MOD_SELROADMAP/SELECT_ROADMAP

Welcome to Software Update Manager

Specify a valid stack configuration file. The selection of Add-Ons and Support Packages is derived from this file.

Important information for this program is included in [SAP Note 2223738](#) and further SAP Notes mentioned therein. The keyword is included in the relevant product-specific SAP Note. Read the current version before you start preparing the procedure and check the SAP Note again for changes before you start the procedure.

Enter a valid XML file name:
STACKFILE

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TASK LIST LOGS BREAKPOINTS

SAP Software Update Manager 1.0 SP17 (PL0) Legend | More

HOME

57% Process is in running state

Current Phase: MOD_SELROADMAP/SELECT_ROADMAP


 Process execution in progress

TASK LIST LOGS BREAKPOINTS

>Instance Number and click on NEXT.

SAP Software Update Manager 1.0 SP17 (PL0) Legend | More

HOME

1 Extraction
 2 Configuration
 3 Checks
 4 Preprocessing
 5 Execution
 6 Postprocessing

0% Process is in dialog state

Current Phase: PREP_EXTRACT/BEGIN_PRE

SAP System ID, Instance Number, and Database Type

Enter the instance number of your SAP system:
INSTANCE NUMBER

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TASK LIST LOGS BREAKPOINTS

2-Extraction:

Following activities performed in this phase:

>ddc password in 000 client and os level user user password (sapservice) and click on NEXT.

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1 Extraction 2 Configuration 3 Checks 4 Preprocessing 5 Execution 6 Postprocessing

1% Process is in dialog state

Current Phase: PREP_PRE_CHECK/PROFREAD

Required System Passwords

Password for User DDIC

Enter the password for SAP user DDIC in client 000:
DDIC PASSWORD

OS-Specific Password

Enter the password for the operating system account .SAPServiceEHI:
OS PASSWORD

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Activate Windows

TASK LIST LOGS BREAKPOINTS

>Import SPAM/SAINT and click on NEXT.(Skip this if upgraded the latest SPAM in pre steps).

HOME

1 Extraction 2 Configuration 3 Checks 4 Preprocessing 5 Execution 6 Postprocessing

1% Process is in dialog state

Current Phase: PREP_PRE_CHECK/SPAMCHK_INI

SPAM Version Check

The SPAM version 58 is too low.
You can only continue when you provide at least SPAM version 61 in the directory \\sapnetweaver\sapmnt\trans\EPS\in

The program has found a newer SPAM version 61 for release 750 in the EPS inbox.

Search for newer SPAM version in \\sapnetweaver\sapmnt\trans\EPS\in

Import SPAM version 61

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TASK LIST LOGS BREAKPOINTS

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1 Extraction 2 Configuration 3 Checks 4 Preprocessing 5 Execution 6 Postprocessing

1% Process is in running state

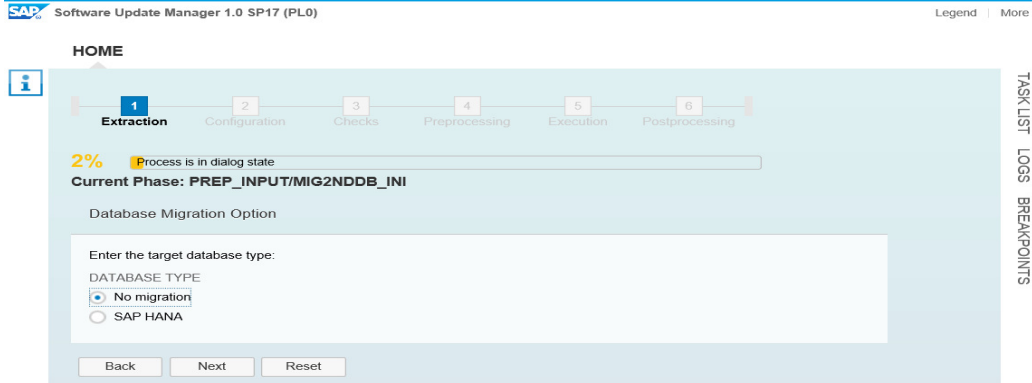
Current Phase: PREP_PRE_CHECK/SPAMCHK_INI

Process execution in progress

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TASK LIST LOGS BREAKPOINTS

>DMO-Database Migration Option (Select this Option if a Database Migration is reqd to HANA).



Software Update Manager 1.0 SP17 (PL0) Legend | More

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1 Extraction 2 Configuration 3 Checks 4 Preprocessing 5 Execution 6 Postprocessing

2% Process is in dialog state

Current Phase: PREP_INPUT/MIG2NDDB_INI

Database Migration Option

Enter the target database type:

DATABASE TYPE

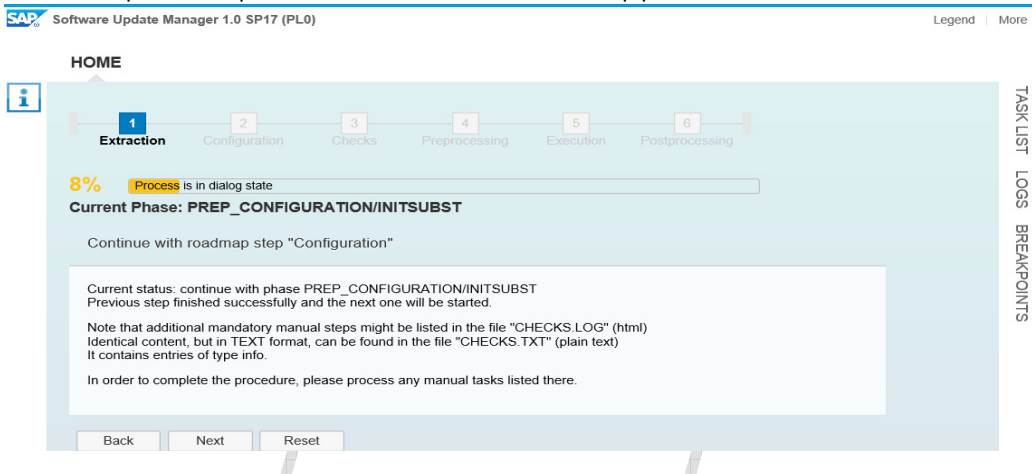
No migration

SAP HANA

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TASK LIST LOGS BREAKPOINTS

>Scanning of download directory where all the patches are placed Extract files to move to EPS/in.
 >Extraction phase Completed NEXT to continue with roadmap phase CONFIGURATION.



Software Update Manager 1.0 SP17 (PL0) Legend | More

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1 Extraction 2 Configuration 3 Checks 4 Preprocessing 5 Execution 6 Postprocessing

8% Process is in dialog state

Current Phase: PREP_CONFIGURATION/INITSUBST

Continue with roadmap step "Configuration"

Current status: continue with phase PREP_CONFIGURATION/INITSUBST
 Previous step finished successfully and the next one will be started.

Note that additional mandatory manual steps might be listed in the file "CHECKS.LOG" (html)
 Identical content, but in TEXT format, can be found in the file "CHECKS.TXT" (plain text)
 It contains entries of type info.

In order to complete the procedure, please process any manual tasks listed there.

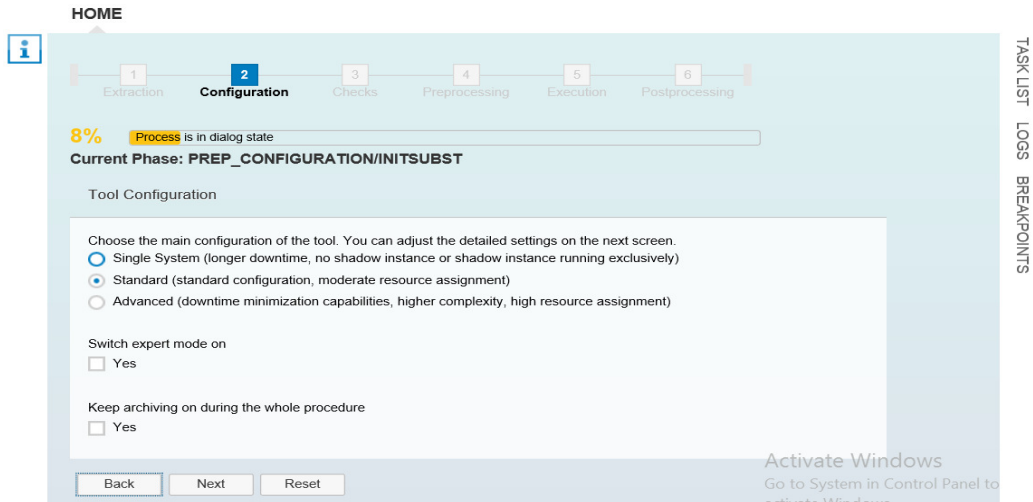
Back Next Reset

TASK LIST LOGS BREAKPOINTS

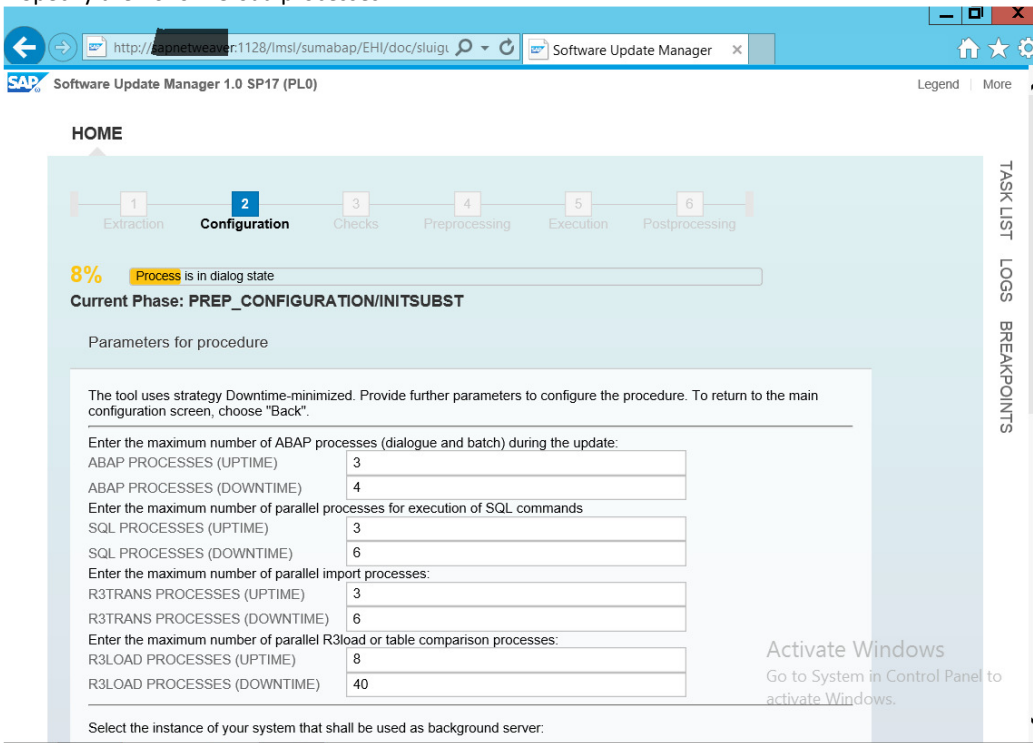
3-Configuration:

Following activities performed in this phase.

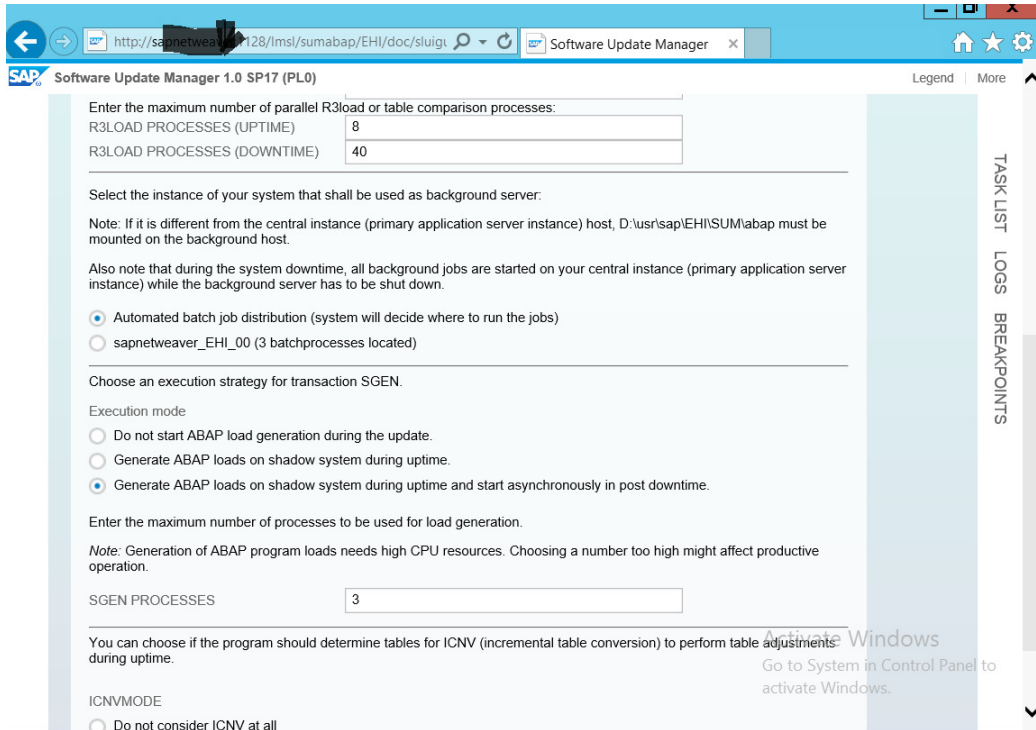
- >Main upgrade configuration, where you will give input parameters for -advanced (expensive downtime optimize, higher complexity, high resource assignment).
- >"Single System" = no use of shadow instance (update) or shadow instance runs exclusively.
- >"Standard" = similar to EHPi or SAPup.
- >"Advanced" = intention to minimize the downtime.
- >Select the database archiving strategy on/off.



- >Specify the no of DIALOG and BACKGROUND Process during Upgrade.
- >Specify the no of parallel processes for execution of SQL commands.
- >Number of parallel import processes (R3trans -Uptime and Downtime).
- > Specify the no. of R3load processes.



- >Execution strategy for transaction SGEN.
- >Maximum number of processes to be used for load generation (SGEN Processes).
- >Calculate ICNV.



Enter the maximum number of parallel R3load or table comparison processes:

R3LOAD PROCESSES (UPTIME)

R3LOAD PROCESSES (DOWNTIME)

Select the instance of your system that shall be used as background server:

Note: If it is different from the central instance (primary application server instance) host, D:\usr\sap\EHI\SUM\abap must be mounted on the background host.

Also note that during the system downtime, all background jobs are started on your central instance (primary application server instance) while the background server has to be shut down.

Automated batch job distribution (system will decide where to run the jobs)

sapnetweaver_EHI_00 (3 batchprocesses located)

Choose an execution strategy for transaction SGEN.

Execution mode

Do not start ABAP load generation during the update.

Generate ABAP loads on shadow system during uptime.

Generate ABAP loads on shadow system during uptime and start asynchronously in post downtime.

Enter the maximum number of processes to be used for load generation.

Note: Generation of ABAP program loads needs high CPU resources. Choosing a number too high might affect productive operation.

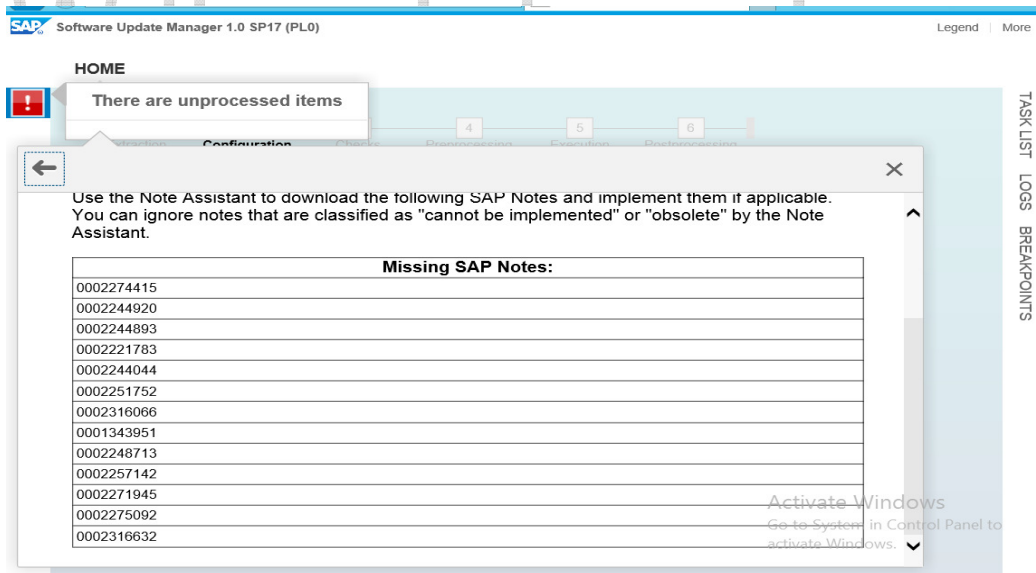
SGEN PROCESSES

You can choose if the program should determine tables for ICNV (incremental table conversion) to perform table adjustments during uptime.

ICNVMODE

Do not consider ICNV at all

>Implement following SAP Notes.



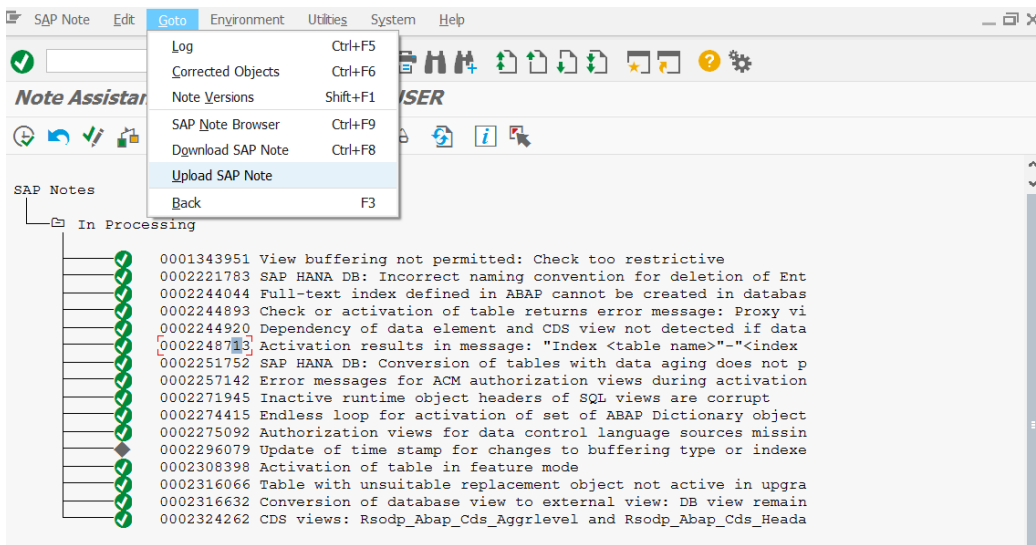
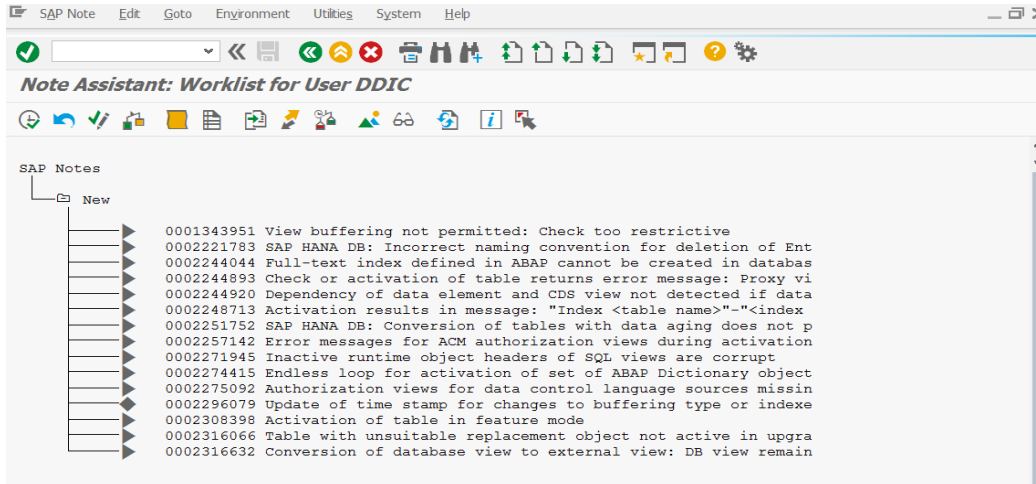
HOME

There are unprocessed items

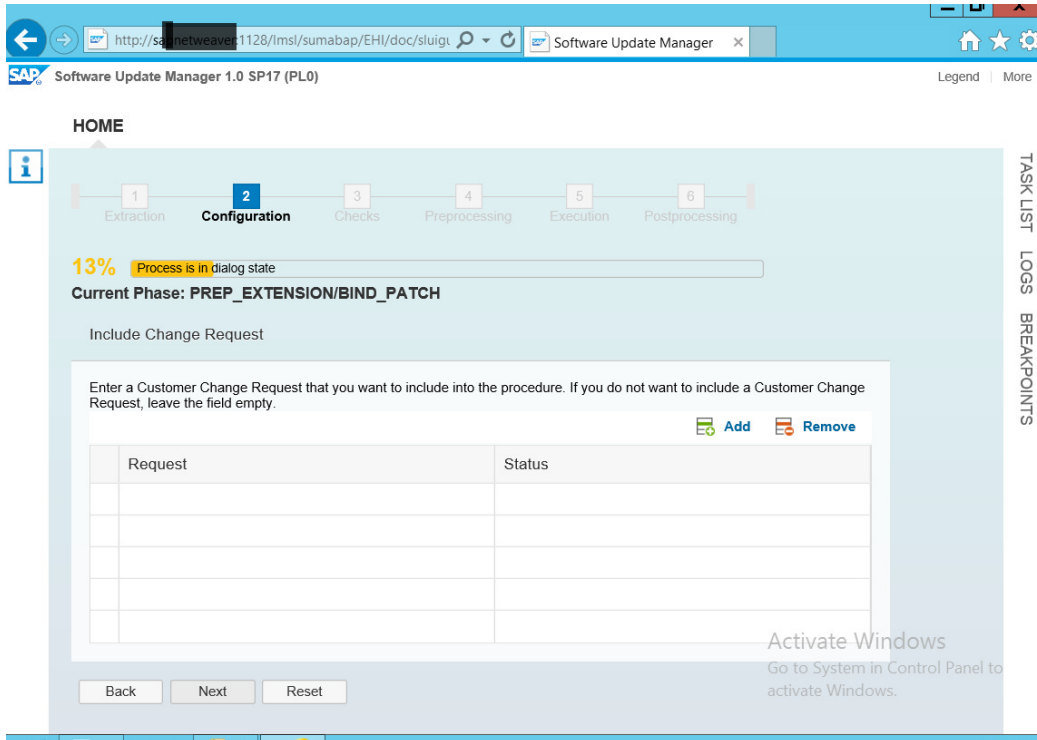
Use the Note Assistant to download the following SAP Notes and implement them if applicable. You can ignore notes that are classified as "cannot be implemented" or "obsolete" by the Note Assistant.

Missing SAP Notes:

0002274415
0002244920
0002244893
0002221783
0002244044
0002251752
0002316066
0001343951
0002248713
0002257142
0002271945
0002275092
0002316632



>Include Change Request (If want to include any customer change request).



Software Update Manager 1.0 SP17 (PL0)

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1 Extraction 2 **Configuration** 3 Checks 4 Preprocessing 5 Execution 6 Postprocessing

13% Process is in dialog state

Current Phase: PREP_EXTENSION/BIND_PATCH

Include Change Request

Enter a Customer Change Request that you want to include into the procedure. If you do not want to include a Customer Change Request, leave the field empty.

Add Remove

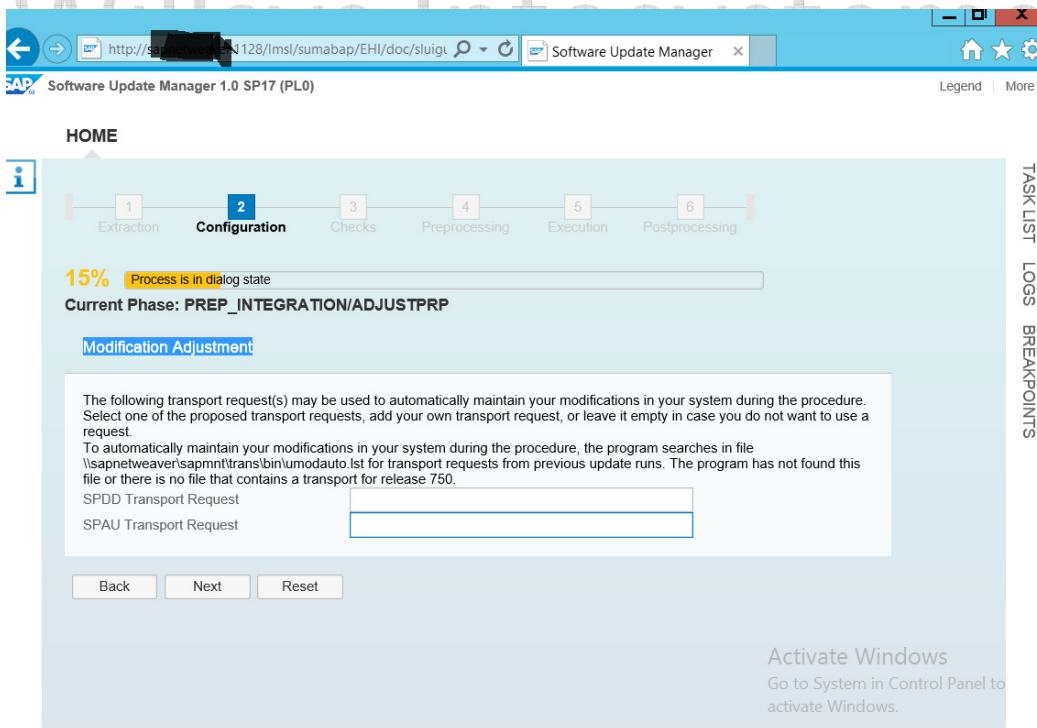
Request	Status

Back Next Reset

Activate Windows
Go to System in Control Panel to activate Windows.

TASK LIST LOGS BREAKPOINTS

>Modification Adjustment (SPDD transport request and SPAU transport request).



Software Update Manager 1.0 SP17 (PL0)

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1 Extraction 2 **Configuration** 3 Checks 4 Preprocessing 5 Execution 6 Postprocessing

15% Process is in dialog state

Current Phase: PREP_INTEGRATION/ADJUSTPRP

Modification Adjustment

The following transport request(s) may be used to automatically maintain your modifications in your system during the procedure. Select one of the proposed transport requests, add your own transport request, or leave it empty in case you do not want to use a request.

To automatically maintain your modifications in your system during the procedure, the program searches in file \\sapnetweaver\sapmnt\trans\bin\umodauto.lst for transport requests from previous update runs. The program has not found this file or there is no file that contains a transport for release 750.

SPDD Transport Request

SPAU Transport Request

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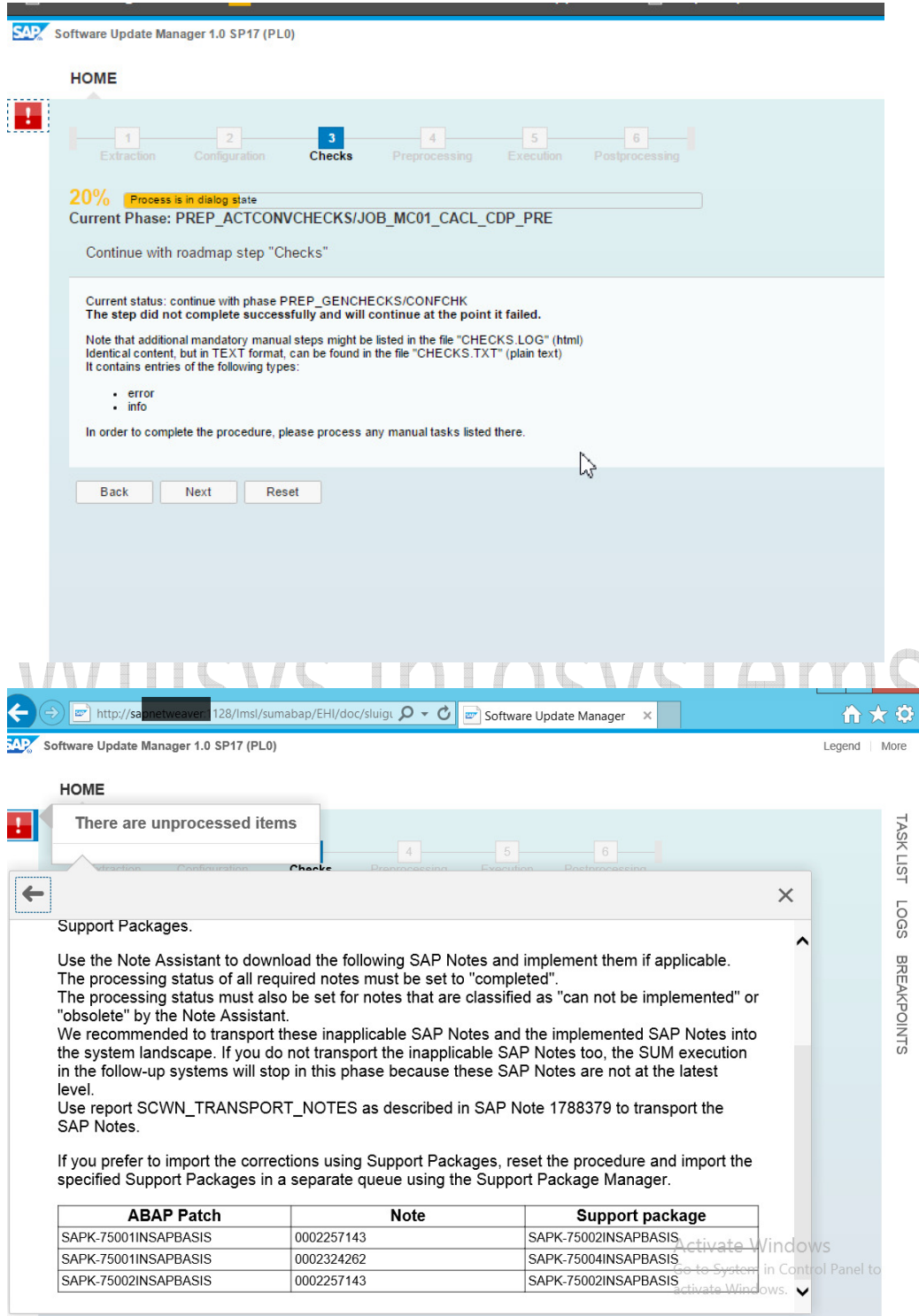
Activate Windows
Go to System in Control Panel to activate Windows.

TASK LIST LOGS BREAKPOINTS

> CONFIGURATION phase Completed NEXT to continue with roadmap phase CHECKS.

4-Checks:

Following activities performed in this phase:



Software Update Manager 1.0 SP17 (PL0)

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1 Extraction 2 Configuration 3 Checks 4 Preprocessing 5 Execution 6 Postprocessing

20% Process is in dialog state

Current Phase: PREP_ACTCONVCHECKS/JOB_MC01_CACL_CDP_PRE

Continue with roadmap step "Checks"

Current status: continue with phase PREP_GENCHECKS/CONFCHK
The step did not complete successfully and will continue at the point it failed.

Note that additional mandatory manual steps might be listed in the file "CHECKS.LOG" (html)
Identical content, but in TEXT format, can be found in the file "CHECKS.TXT" (plain text)
It contains entries of the following types:

- error
- info

In order to complete the procedure, please process any manual tasks listed there.

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There are unprocessed items

Support Packages.

Use the Note Assistant to download the following SAP Notes and implement them if applicable. The processing status of all required notes must be set to "completed". The processing status must also be set for notes that are classified as "can not be implemented" or "obsolete" by the Note Assistant. We recommended to transport these inapplicable SAP Notes and the implemented SAP Notes into the system landscape. If you do not transport the inapplicable SAP Notes too, the SUM execution in the follow-up systems will stop in this phase because these SAP Notes are not at the latest level. Use report SCWN_TRANSPORT_NOTES as described in SAP Note 1788379 to transport the SAP Notes. If you prefer to import the corrections using Support Packages, reset the procedure and import the specified Support Packages in a separate queue using the Support Package Manager.

ABAP Patch	Note	Support package
SAPK-75001INSAPBASIS	0002257143	SAPK-75002INSAPBASIS
SAPK-75001INSAPBASIS	0002324262	SAPK-75004INSAPBASIS
SAPK-75002INSAPBASIS	0002257143	SAPK-75002INSAPBASIS

TASK LIST LOGS BREAKPOINTS

>Implement Notes.

SAP Note Assistant: Worklist for User SAPUSER

SAP Notes

- In Processing
 - 0001343951 View buffering not permitted: Check too restrictive
 - 0002221783 SAP HANA DB: Incorrect naming convention for deletion of Ent
 - 0002244044 Full-text index defined in ABAP cannot be created in databas
 - 0002244893 Check or activation of table returns error message: Proxy vi
 - 0002244920 Dependency of data element and CDS view not detected if data
 - 0002248713 Activation results in message: "Index <table name>"-"<index
 - 0002251752 SAP HANA DB: Conversion of tables with data aging does not p
 - 0002257142 Error messages for ACM authorization views during activation
 - 0002257143 "Column <column name> is not known" during transport or upgr
 - 0002271945 Inactive runtime object headers of SQL views are corrupt
 - 0002274415 Endless loop for activation of set of ABAP Dictionary object
 - 0002275092 Authorization views for data control language sources missin
 - 0002296079 Update of time stamp for changes to buffering type or indexe
 - 0002308398 Activation of table in feature mode
 - 0002316066 Table with unsuitable replacement object not active in upgra
 - 0002316632 Conversion of database view to external view: DB view remain
 - 0002324262 CDS views: Rsodp_Abap_Cds_Aggrlevel and Rsodp_Abap_Cds_Head

SAP | >> | EHI (1) 000 | sapnetweaver | OVR | 2:40 PM 8/6/2016



HOME

1 Extraction 2 Configuration 3 Checks 4 Preprocessing 5 Execution 6 Postprocessing

20% Process is in dialog state

Current Phase: PREP_GENCHECKS/SUBMOD_MIG_PRCHECKS/JOB_RDDNTPUR_PREP

Continue with roadmap step "Preprocessing"

Current status: continue with phase MAIN_INIT/BEGIN
Previous step finished successfully and the next one will be started.

Note that additional mandatory manual steps might be listed in the file "CHECKS.LOG" (html)
Identical content, but in TEXT format, can be found in the file "CHECKS.TXT" (plain text)
It contains entries of type info.

In order to complete the procedure, please process any manual tasks listed there.

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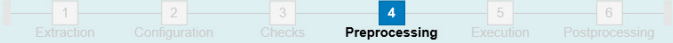
TASK LIST LOGS BREAKPOINTS

5-Preprocessing:

Following activities performed in this phase:
 >Lock the Development Environment.

SAP Software Update Manager 1.0 SP17 (PL0) Legend | More

HOME



22% Process is in dialog state

Current Phase: MAIN_INIT/REPACHK_CLONE

Lock Development Environment

The development environment has to be locked now.

After locking the development environment, no changes to development objects are possible until the end of the procedure.

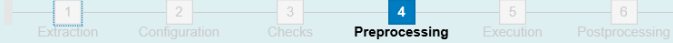
Lock now

Back Next Reset Exit

TASK LIST LOGS BREAKPOINTS


SAP Software Update Manager 1.0 SP17 (PL0) Legend | More

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24% Process is in running state

Current Phase: MAIN_SHDCRE/SUBMOD_SHDDBCLONE/DBCLONE

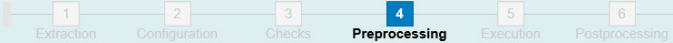


Process execution in progress

TASK LIST LOGS BREAKPOINTS

SAP Software Update Manager 1.0 SP17 (PL0) Legend | More

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22% Process is in dialog state

Current Phase: MAIN_INIT/REPACHK_CLONE

Open Repairs found

Locked SAP objects have been found in open repairs, corrections, or transport orders. If these orders are not released, you will not be able to adjust these objects if necessary.

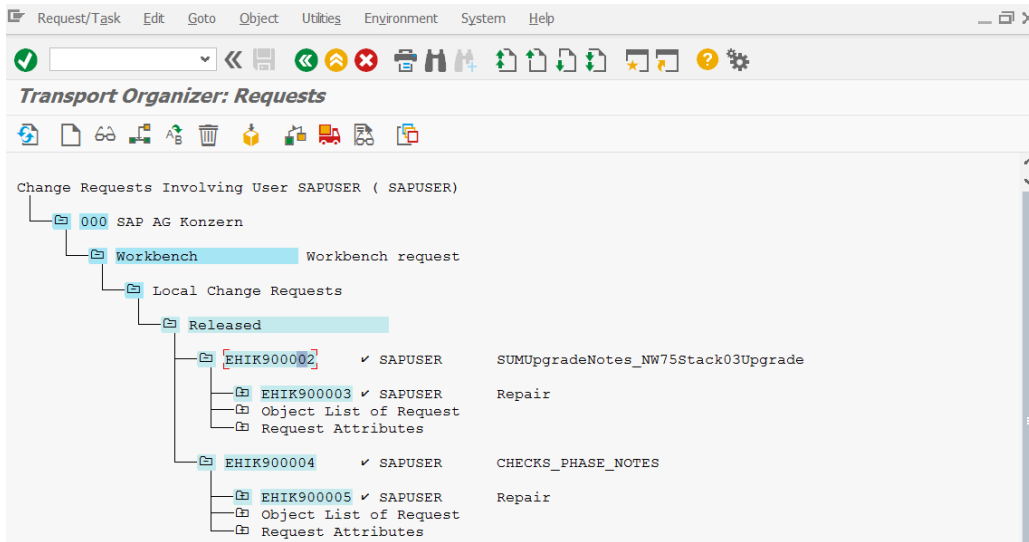
The development environment has been unlocked now. Release the repairs and transport orders to ensure that you can adjust the contained objects, if necessary.

Transport Request	User	Date	Repair	User	Date
EHIK900002	SAPUSER	20160806	EHIK900003	SAPUSER	20160806
EHIK900004	SAPUSER	20160806	EHIK900005	SAPUSER	20160806

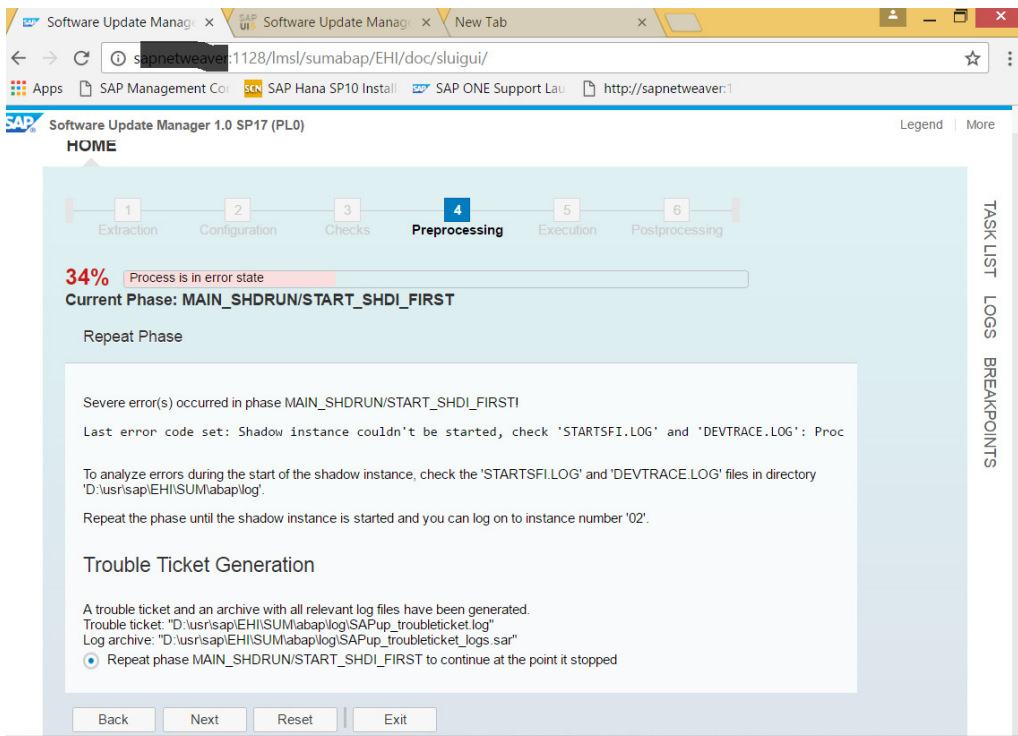
Back Next Reset

TASK LIST LOGS BREAKPOINTS

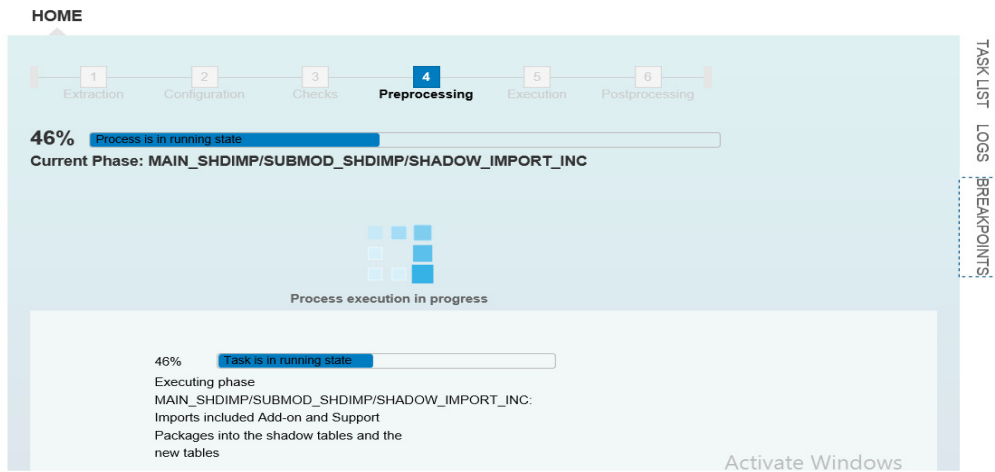
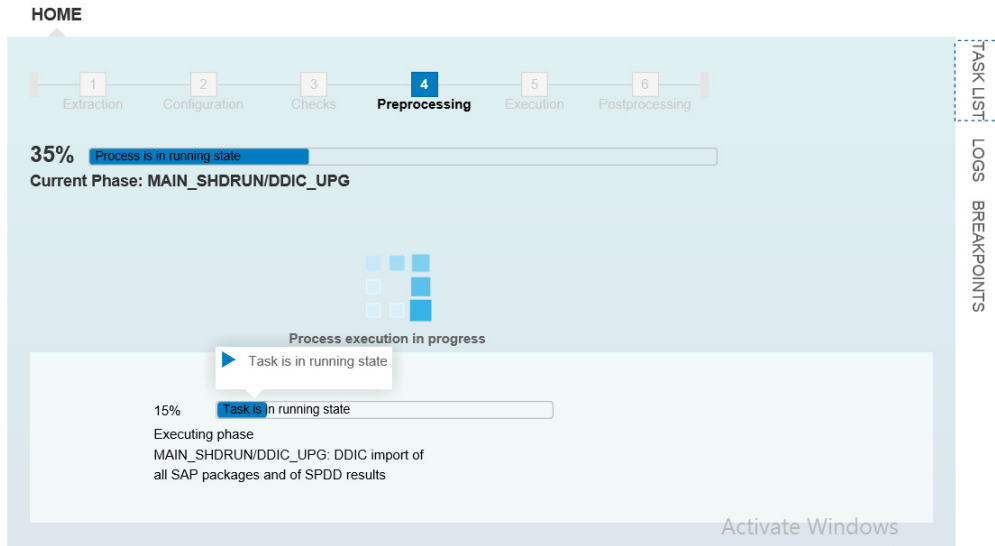
>Make sure No pending transports if exists release them in SE01 and Continue.



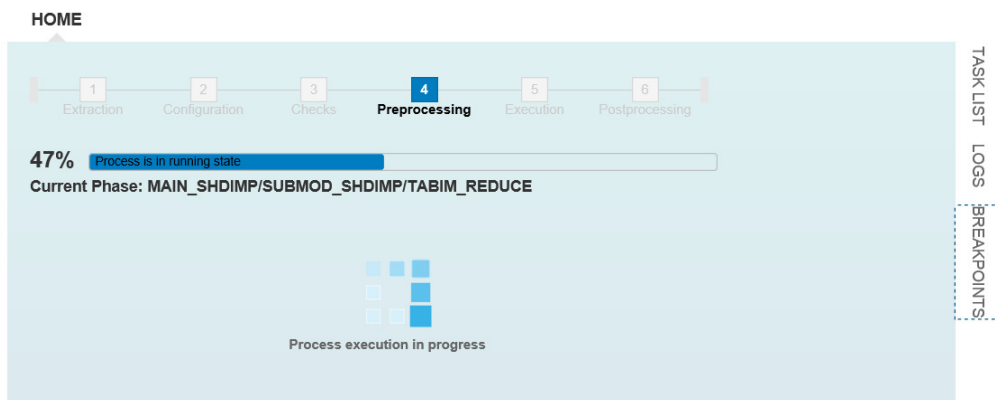
> Shadow instance is not starting in this phase. so make changes to value to em/initial_size_MB=1024 in instance profile.



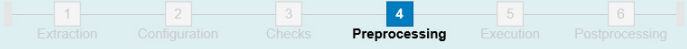
>Shadow system built.



>Data load in shadow system.



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1 Extraction 2 Configuration 3 Checks 4 **Preprocessing** 5 Execution 6 Postprocessing

63% Process is in dialog state

Current Phase: MAIN_DTTRANS/DOWNCONF_DTTRANS

Preparations for Downtime

The procedure has reached the end of the "Preprocessing" step.

Perform the following actions:

- Stop all production activities now
- Ensure that no scheduled batch jobs can start anymore and await regular completion of currently running jobs
- Make sure that all users have logged out
- Isolate the central instance (primary application server instance) as described in the guide

When you confirm "Actions completed", the system will be stopped and you will be prompted to perform a complete backup.

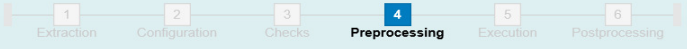
Actions completed

Back Next Reset Exit

Activate Windows

TASK LIST LOGS BREAKPOINTS

HOME



1 Extraction 2 Configuration 3 Checks 4 **Preprocessing** 5 Execution 6 Postprocessing

63% Process is in dialog state

Current Phase: MAIN_DTTRANS/DOWNCONF_DTTRANS_BCK

Backup Request

Your system has been stopped and is ready to enter [the downtime](#).

Back up the complete update directory now (including subdirectory "sdt"). *Caution:* To restart the update from this point, you must be able to restore the database, the system directory, and the program directory to the current state.

If you have restored the system to this point from a backup, you can also choose to resume production operation. After that you can then either enter the downtime again at a later time or choose "Reset" to abort the whole update.

Backup completed
 Resume production operation

To reset the whole update now, proceed as follows:

- Choose "Reset" below and confirm this decision during the upcoming dialog.

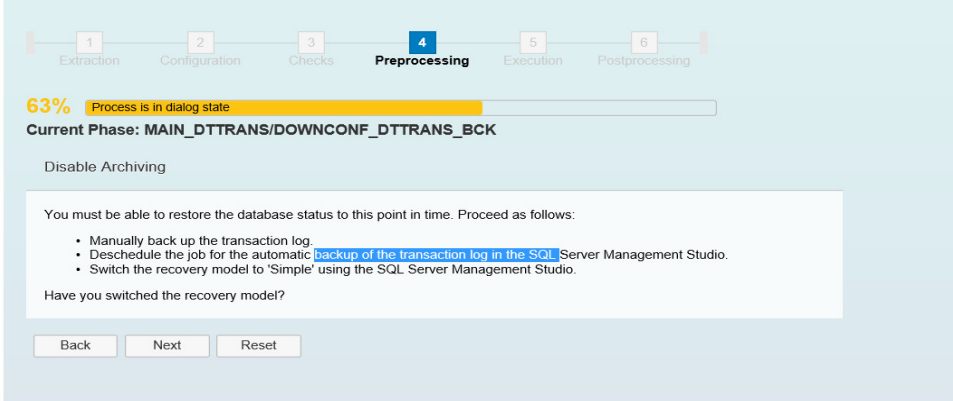
Back Next Reset Exit

Activate Windows
Go to System in Control Panel to activate Windows.

TASK LIST LOGS BREAKPOINTS

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63% Process is in dialog state

Current Phase: MAIN_DTTRANS/DOWNCONF_DTTRANS_BCK

Disable Archiving

You must be able to restore the database status to this point in time. Proceed as follows:

- Manually back up the transaction log.
- Deschedule the job for the automatic [backup of the transaction log in the SQL Server Management Studio](#).
- Switch the recovery model to 'Simple' using the SQL Server Management Studio.

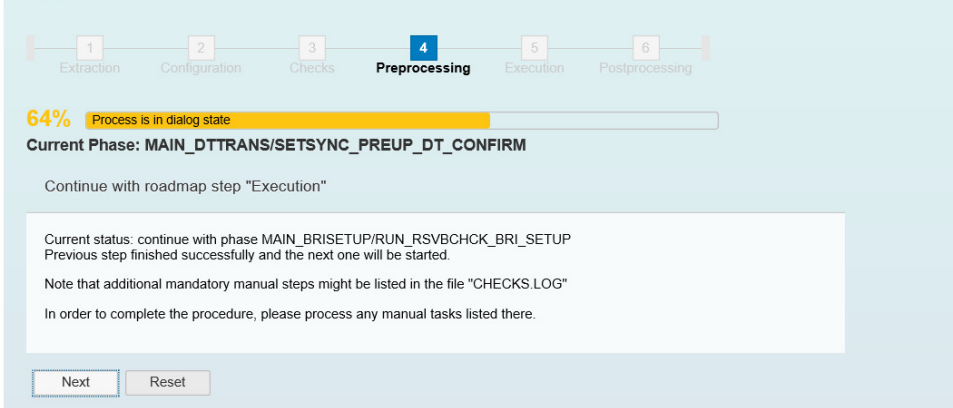
Have you switched the recovery model?

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64% Process is in dialog state

Current Phase: MAIN_DTTRANS/SETSYNC_PREUP_DT_CONFIRM

Continue with roadmap step "Execution"

Current status: continue with phase MAIN_BRISETUP/RUN_RSVBCHCK_BRI_SETUP
Previous step finished successfully and the next one will be started.

Note that additional mandatory manual steps might be listed in the file "CHECKS.LOG"

In order to complete the procedure, please process any manual tasks listed there.

Next Reset

TASK LIST LOGS BREAKPOINTS

> PREPROCESSING phase Completed NEXT to continue with roadmap phase EXECUTION.

6. Execution:


Sum Tool Downtime is called as execution in EHPi this is called as downtime but in SUM this is called as execution

- >Merging of shadow and Real Instance.
- >System upgrade.
- >ICNV.
- >Table conversion.

This is the time where the SYSTEM has to be Down and Switching between the repository takes place.

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90% Process is in dialog state

Current Phase: MAIN_UPTRANS/STARTSAP_PUPG

Backup Request

Make a full backup of your database.

Actions completed

Note: The database log mode should be enabled now. Make a full backup of your database after archiving is enabled again. Proceed as follows:


- Schedule the job for the automatic backup of the transaction log in the SQL Server Management Studio (if applicable).
- Switch the recovery model to 'Full' using the SQL Server Management Studio.
- Make a full backup of your database

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90% Process is in dialog state

Current Phase: MAIN_UPTRANS/UPCONF

End of Downtime

The downtime has finished. The system has been unlocked and is available for post-processing activities.


Please check if manual start or installation activities for secondary application servers need to be performed. In case you are running a High Availability environment, the switch-over capability can be re-enabled now.

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90% Process is in dialog state

Current Phase: MAIN_POSTPROC/SETUPGPAR_UPG_POST

Continue with roadmap step "Postprocessing"

Current status: continue with phase MAIN_POSTPROC/SETUPGPAR_UPG_POST
Previous step finished successfully and the next one will be started.

Note that additional mandatory manual steps might be listed in the file "CHECKS.LOG"

In order to complete the procedure, please process any manual tasks listed there.

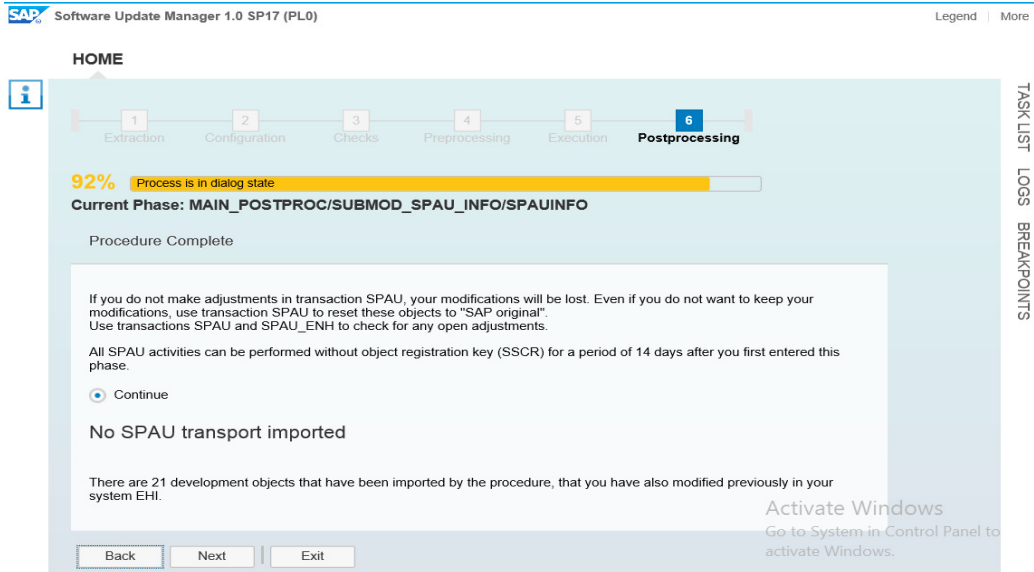
Next

TASK LIST LOGS BREAKPOINTS

> EXECUTION phase Completed NEXT to continue with roadmap phase POSTPROCESSING.

7-Post Processing:

This is post processing step of SUM just after downtime.
>SPAU change.



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92% Process is in dialog state

Current Phase: MAIN_POSTPROC/SUBMOD_SPAU_INFO/SPAUINFO

Procedure Complete

If you do not make adjustments in transaction SPAU, your modifications will be lost. Even if you do not want to keep your modifications, use transaction SPAU to reset these objects to "SAP original". Use transactions SPAU and SPAU_ENH to check for any open adjustments.

All SPAU activities can be performed without object registration key (SSCR) for a period of 14 days after you first entered this phase.

Continue

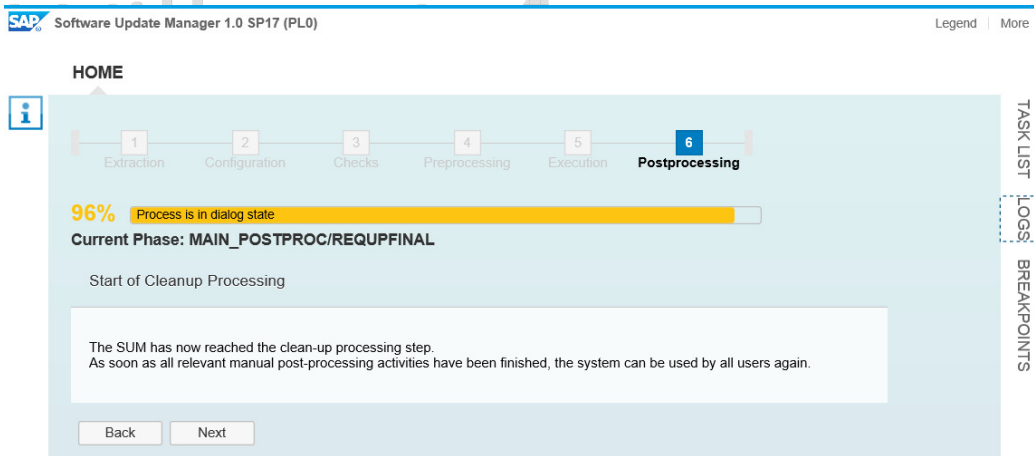
No SPAU transport imported

There are 21 development objects that have been imported by the procedure, that you have also modified previously in your system EHI.

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Activate Windows
Go to System in Control Panel to activate Windows.

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96% Process is in dialog state

Current Phase: MAIN_POSTPROC/REQUPFINAL

Start of Cleanup Processing

The SUM has now reached the clean-up processing step. As soon as all relevant manual post-processing activities have been finished, the system can be used by all users again.

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TASK LIST LOGS BREAKPOINTS

>Next.

Evaluation Form

SAP SE's aim is to provide fast and efficient procedures. To evaluate the procedure you just carried out, we need information generated by the tool during process execution and your experience with the tool itself. The below form contains a simple questionnaire and XML data generated during the procedure. The XML data comprises only technical information and statistics about the executed steps as well as the product and system context in which the steps have been carried out. There is no business, personal or other sensitive data included. The questionnaire and the XML data are solely used for improving performance, quality, and behavior of the procedure. Thus, they will not be used for marketing or sales purposes. If your feedback has been analyzed and followed up, your email address (if you decide to provide it to us) will be deleted. If you have specific questions or problems, please contact us via an incident at SAP Service Marketplace. **By having accepted the legal statement below, you will be able to send the questionnaire and the XML data to SAP.**

Accept the following:

I grant to SAP SE to utilize the feedback provided in the questionnaire, I grant to SAP SE a non-exclusive, perpetual, irrevocable, worldwide, royalty-free license, the right to sublicense to SAP SE's affiliates, licensees and customers, to use, publish, and disclose such feedback in any manner SAP SE chooses and to copy, perform, copy, make, have made, use, sell, and otherwise dispose of SAP SE's and its affiliates' or sublicensee's products or services embodying my feedback in any manner and via any media SAP SE chooses, without reference to the source. SAP SE shall be entitled to use my feedback for any purpose without limitation or remuneration of any kind.

I agree that SAP SE may use my email address to contact me regarding the information I provided in the questionnaire. I agree that SAP SE will process the email address in Germany and/or Bulgaria and/or India, (ii) only as long as it is required to evaluate the information that I provided in the questionnaire and (iii) will not use my email address for any other purpose. In case you want to have your email address corrected or deleted, please contact analytics@sap.com. I agree not to enter into any free fields of the questionnaire any information which could be a trade secret, personal data (other than my email address), proprietary or otherwise confidential for me, my employer or any third party.

SEND TO SAP This send button submits the evaluation of your maintenance process and the form below to SAP SE. Please send this to SAP SE even if you do not fill in the form below.

What kind of system did you run the process on?

When did you run the process on the actual system or a copy of it (i. e. test process)?

How many times did you contact SAP SE for help with your process (customer calls or incidents)?

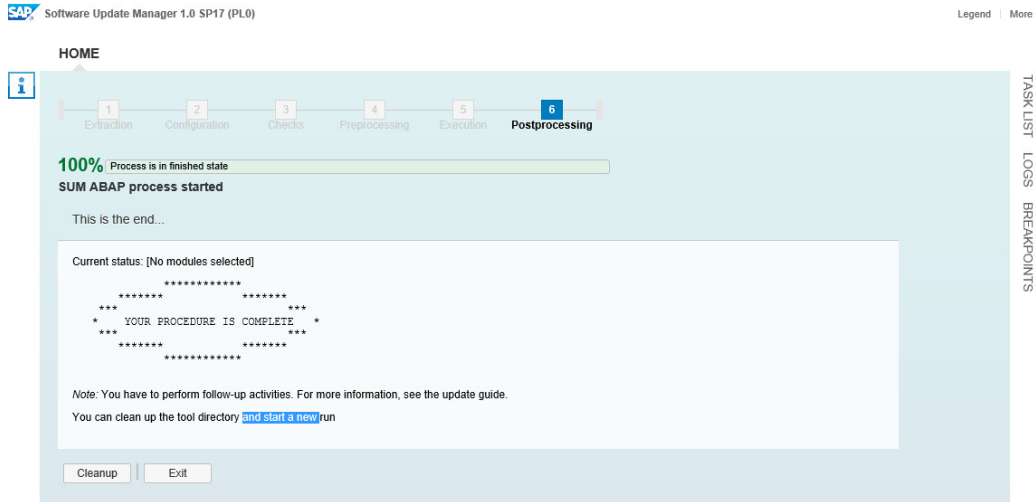
How did the process downtime meet your expectations?

Development system
 Quality system
 Production system
 Actual system
 Test on copy of the system

Yes No

Close

> Summary : Final confirmation and feedback about sap upgrade



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100% Process is in finished state

SUM ABAP process started

This is the end...

Current status: [No modules selected]

```

*****
***
*   YOUR PROCEDURE IS COMPLETE   *
***
*****
  
```

Note: You have to perform follow-up activities. For more information, see the update guide.
You can clean up the tool directory and start a new run

Cleanup | Exit

Related Content:

www.help.sap.com

www.sdn.sap.com/irj/sdn/index.

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