

## **BW-SEM 3.0 B INSTALLATION on SunOS 9.0**

**1. Following are the Parameters which need to be tuned for OS Dependencies .Pls refer OS DEPENDENCIES MANUAL.  
On etc/system**

\*Settings as per note no 395438 of SAP

set rlim\_fd\_cur=2048

set rlim\_fd\_max=2048

\*set shmsys:shminfo\_shmmin=1

\*set shmsys:shminfo\_shmmax=1073741824

\*set shmsys:shminfo\_shmmax=4294967295

set shmsys:shminfo\_shmmax=8589934590

set shmsys:shminfo\_shmmni=256

\*set shmsys:shminfo\_shmseg=200

\*

\* End of shared memory parameters

\*

\* Semaphores parameters set for SAP

\*

\*set semsys:seminfo\_semmap=256

set semsys:seminfo\_semmni=1024

set semsys:seminfo\_semmns=16384

set semsys:seminfo\_semmnu=4096

set semsys:seminfo\_semume=64

set semsys:seminfo\_semmsl=2048

set semsys:seminfo\_semopm=100

set TS:ts\_sleep\_promote=1

\*

\* End of semaphores parameters

\*

\* IPC Message queues Parameters set for SAP

\*

\*set msgsys:msginfo\_msgmap=2048

set msgsys:msginfo\_msgmax=8192

set msgsys:msginfo\_msgmnb=16384

set msgsys:msginfo\_msgmni=50

\*set msgsys:msginfo\_msgssz=32

```
set msgsys:msginfo_msgtql=2048
*set msgsys:msginfo_msgseg=32767
*
* End of message queues parameters
*
```

- File descriptor parameters set for SAP

## 2. Set environment variable:

```
LD_LIBRARY_PATH= /usr/bin/java
JAVA_HOME=/usr/bin/java
DISPLAY=<HOST_NAME>:0
UMASK=022
```

Note : JDK installed version should be 1.4.1\_03 check this by giving command  
JAVA -version

## 3. Following are the file system planned for Production environment.

Filesystem	kbytes	used	avail	capacity	Mounted on
/dev/md/dsk/d0	10323610	1979141	8241233	20%	/
/proc	0	0	0	0%	=====>/proc
mnttab	0	0	0	0%	=====>/etc/mnttab
fd	0	0	0	0%	=====>/dev/fd
swap	27852968	160	27852808	1%	=====>/var/run
swap	27852808	0	27852808	0%	=====>/tmp
/dev/md/dsk/d30	<b>1016122</b>	1046	954109	1%	=====>/oracle
/dev/dsk/c5t600C0FF0000000007C1066359E04100d0s5	<b>64745891</b>	3760129	60338304	6%	=====>/oracle/BWP
/dev/md/dsk/d40	<b>2977822</b>	2993	2915273	1%	=====>/sapmnt/BWP
/dev/dsk/c5t600C0FF0000000007C1066359E04100d0s0	<b>197743</b>	1041	176928	1%	=====>/oracle/BWP/origlogB
/dev/dsk/c5t600C0FF0000000007C1066359E04100d0s1	<b>197743</b>	1041	176928	1%	=====>/oracle/BWP/mirrlogA
/dev/dsk/c5t600C0FF0000000007C1066359E04100d0s3	<b>4652454</b>	4633	4601297	1%	=====>/oracle/BWP/817_64
/dev/dsk/c5t600C0FF0000000007C1066359E04100d0s4	<b>482863</b>	1041	433536	1%	=====>/oracle/client/817_64
/dev/md/dsk/d50	<b>3096423</b>	3089	3031406	1%	=====>/usr/sap/BWP
/dev/md/dsk/d60	<b>8258597</b>	8217	8167795	1%	=====>/usr/sap/trans
/dev/md/dsk/d70	<b>20645791</b>	20505	20418829	1%	=>/oracle/BWP/oraarch
/dev/md/dsk/d80	<b>192790</b>	1041	172470	1%	==>/oracle/BWP/origlogA
/dev/md/dsk/d90	<b>192790</b>	1041	172470	1%	==>/oracle/BWP/mirrlogB
/dev/md/dsk/d100	<b>2576153</b>	2585	2522045	1%	==>/oracle/stage/817_64

root@bwprd #

**Directory trans should have permission 775 under user root & orasid during installation**

#### **4. Installation Preparation**

Copied all the dumps as folder dump on the file system /oracle/BWP/dumps : The folder dumps contain installation kit for

- a. Kernel
  - b. Exports CDS (3) ...exp1,exp2,exp3
  - c. RDBMS CDS (2) ..db1,db2
  - d. RDBMS PATCH CD..patch
  - e. J2EE CDS which contain paths for installation J2EE-ENG,SDM,JLIBS.
- /oracle/BWP/dumps
  - under dumps cds which are copied are made in directory name as  
→kernel,exp1,exp2,exp3,db1,db2,patch,J2EE

#### **5. Start of the Installation (CENTRAL/KERNEL INSTANCE)**

To start with the installation we need to run sapinst which is the startup for central instance & database instance.

- a. Create a directory as SAPinst under filesystem “/oracle/BWP/SAPinst” which refers for KERNEL Installation.

CD SAPinst

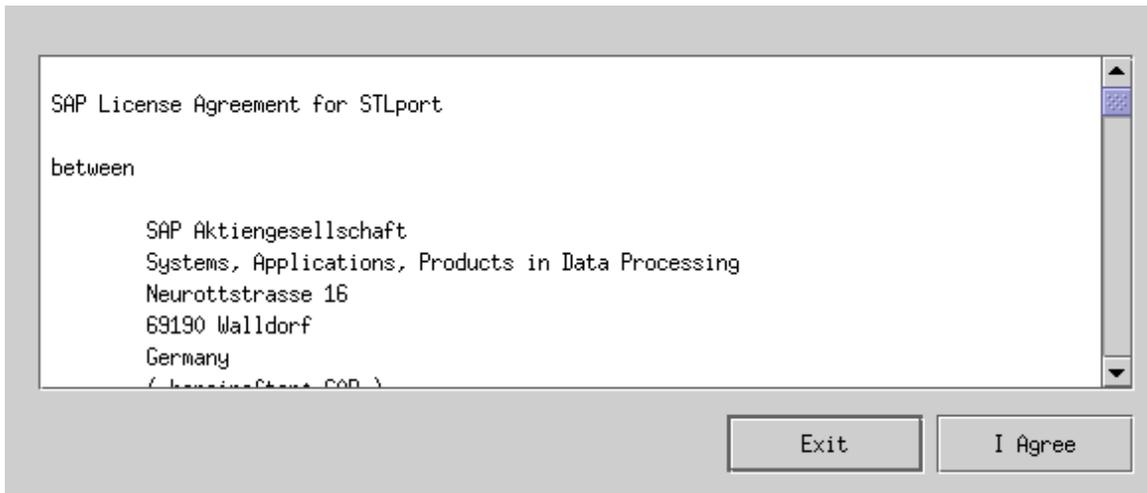
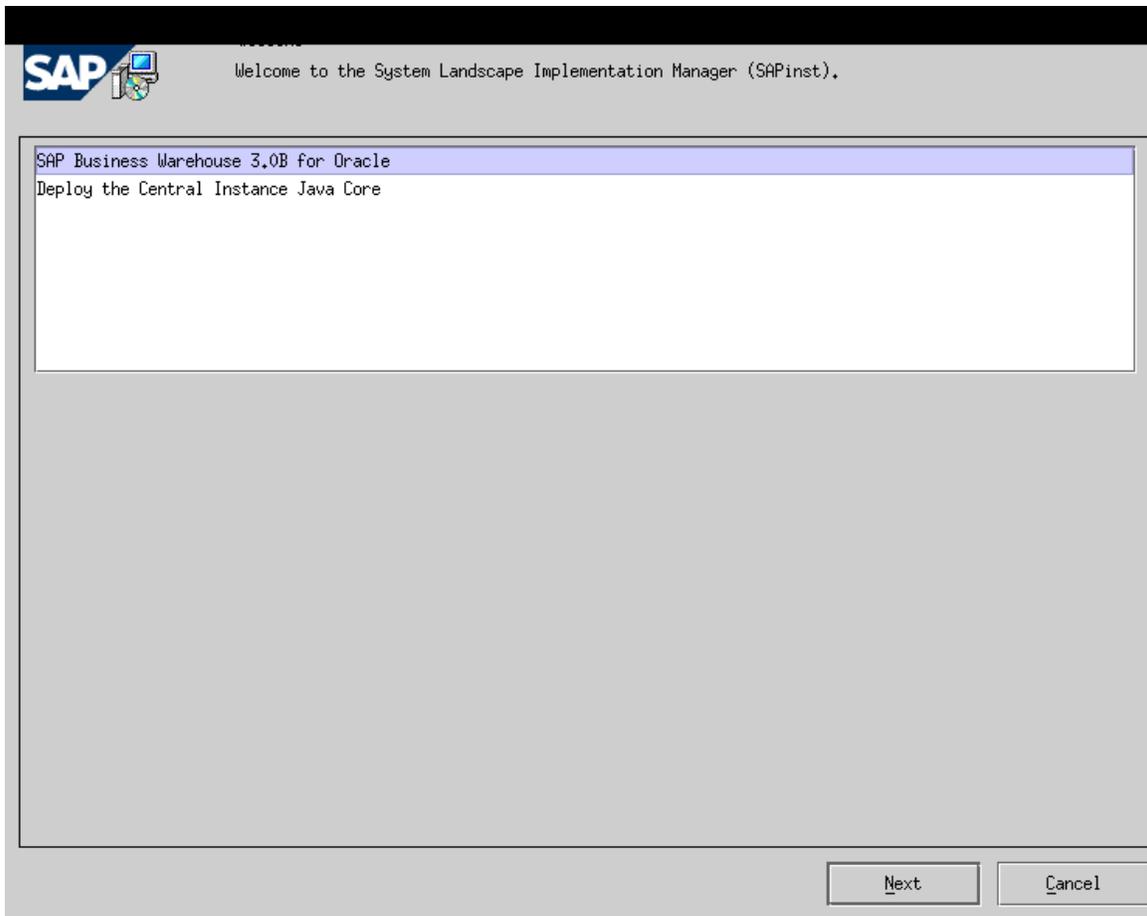
Chmod 777 SAPinst

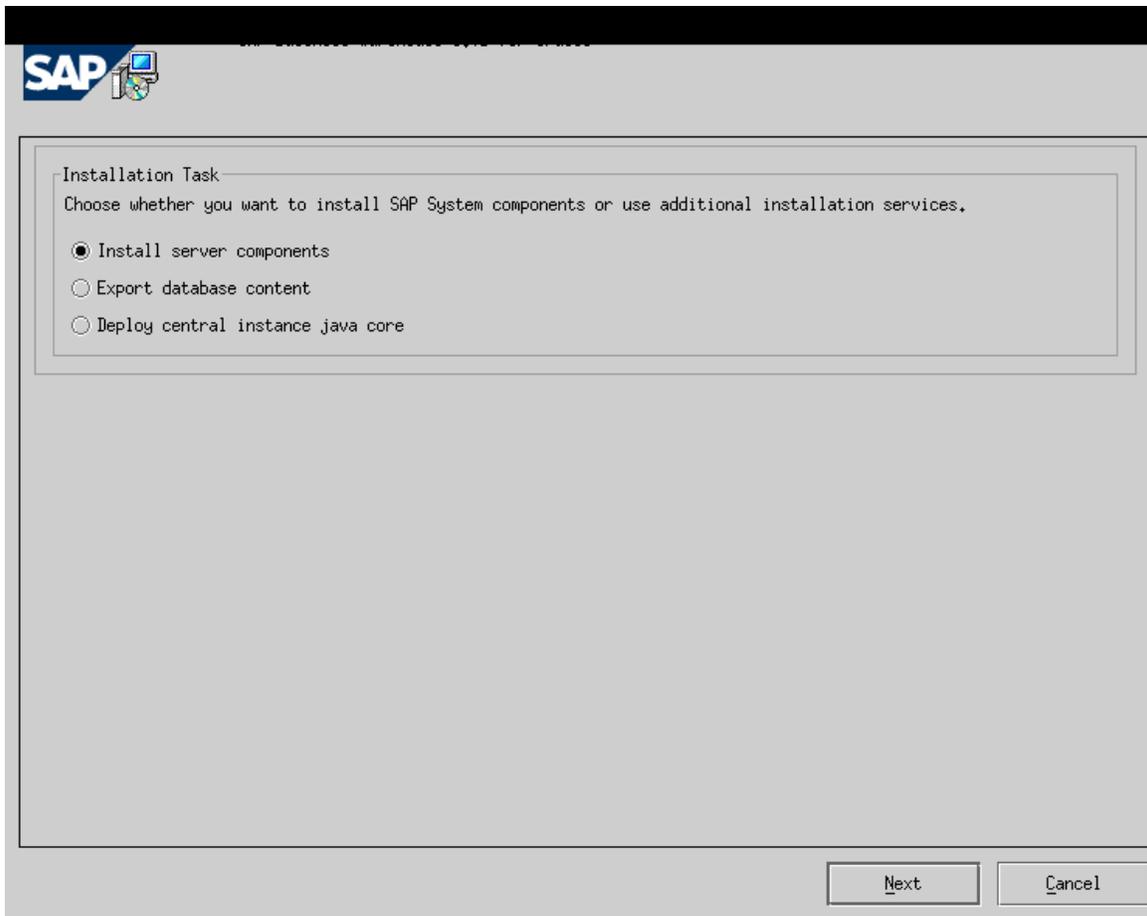
- b. Let you know we need to run the installation under SAPinst directory so that the logs which are created will be found under this (SAPinst)directory.
- c. Navigate to SAPinst directory as

# cd oracle/BWP/SAPinst

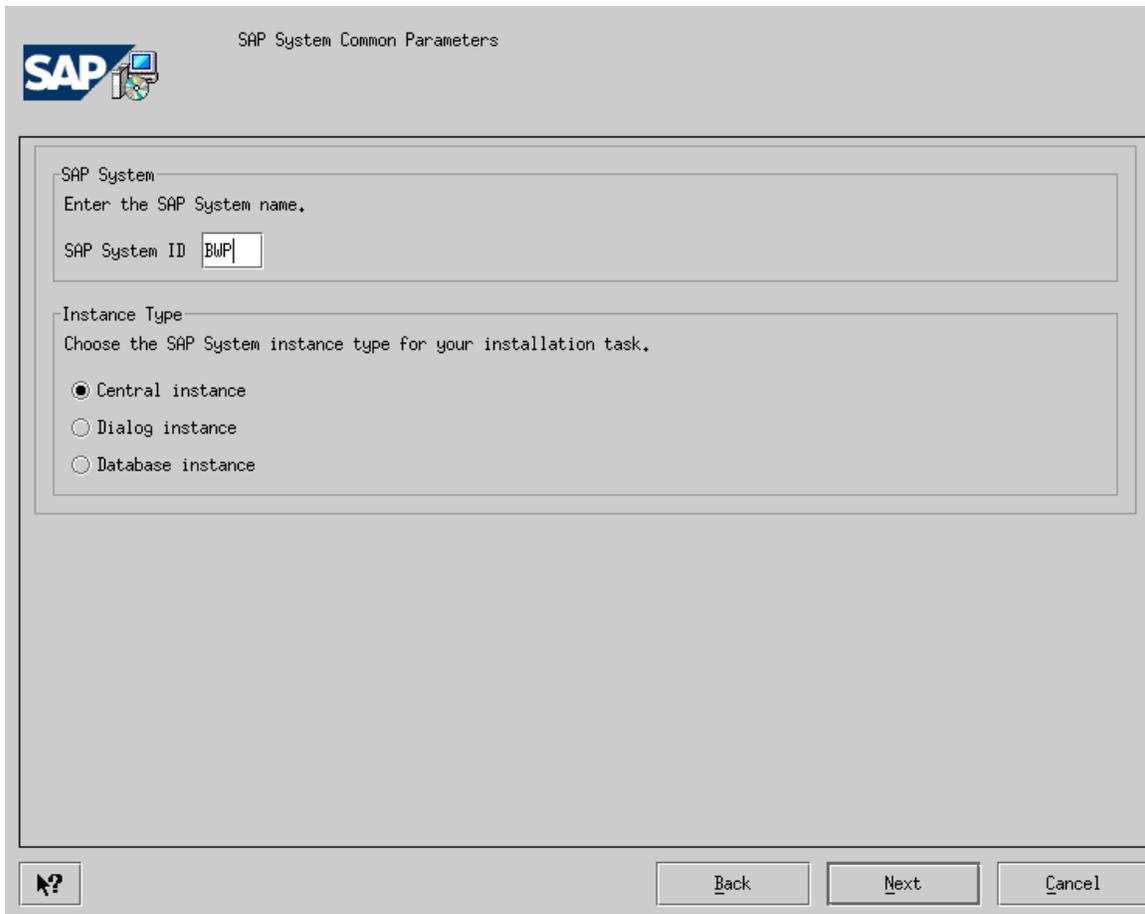
- d. Now you are in SAPinst directory & run the kernel by entering

```
root@bwprd # cd /orac l e/BWP/SAPi nst  
root@bwprd# /orac l e/BWP/dumps/kernel /SAPI NST/UNI X/SUNOS_64/I NSTALL
```



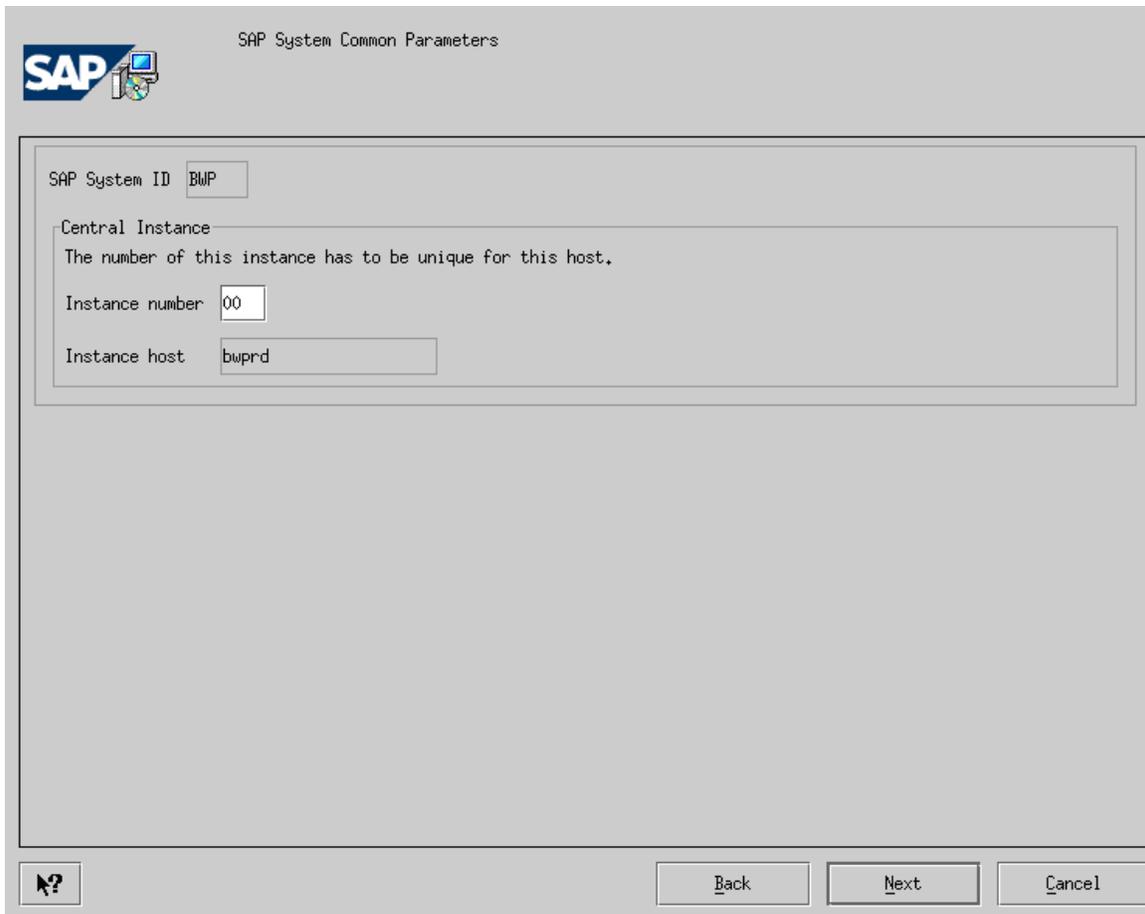


**Select Install server components**



The image shows a screenshot of the 'SAP System Common Parameters' dialog box. The dialog has a title bar with the SAP logo and the text 'SAP System Common Parameters'. It is divided into two main sections. The first section, titled 'SAP System', contains the instruction 'Enter the SAP System name.' and a text input field for 'SAP System ID' with the value 'BWP' entered. The second section, titled 'Instance Type', contains the instruction 'Choose the SAP System instance type for your installation task.' and three radio button options: 'Central instance' (which is selected), 'Dialog instance', and 'Database instance'. At the bottom of the dialog, there are four buttons: a help button with a question mark icon, and three buttons labeled 'Back', 'Next', and 'Cancel'.

**Enter Sap System ID as BWP & Instance Type as Central Instance**

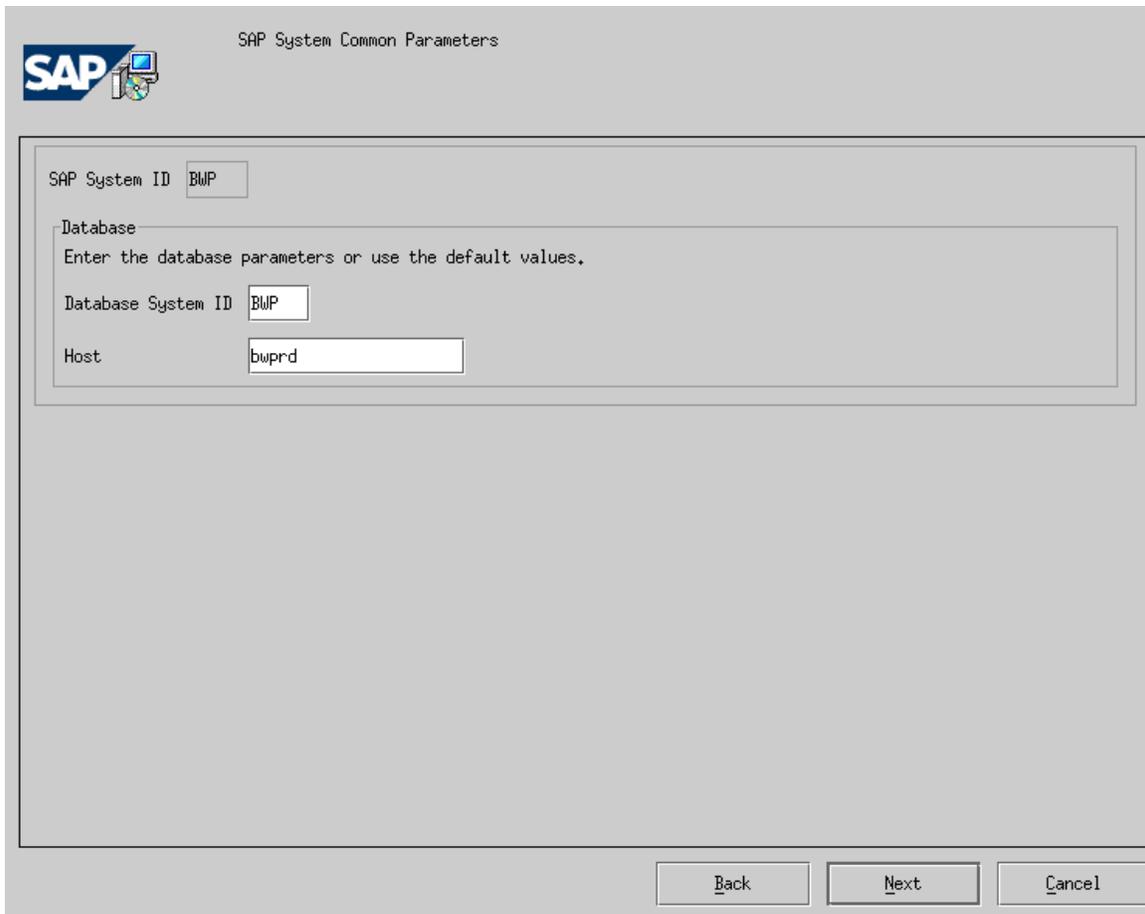


The image shows a screenshot of the 'SAP System Common Parameters' dialog box. At the top left is the SAP logo. The title bar reads 'SAP System Common Parameters'. The main area contains the following fields and text:

- SAP System ID:
- Central Instance: A section header.
- The number of this instance has to be unique for this host. (Instructional text)
- Instance number:
- Instance host:

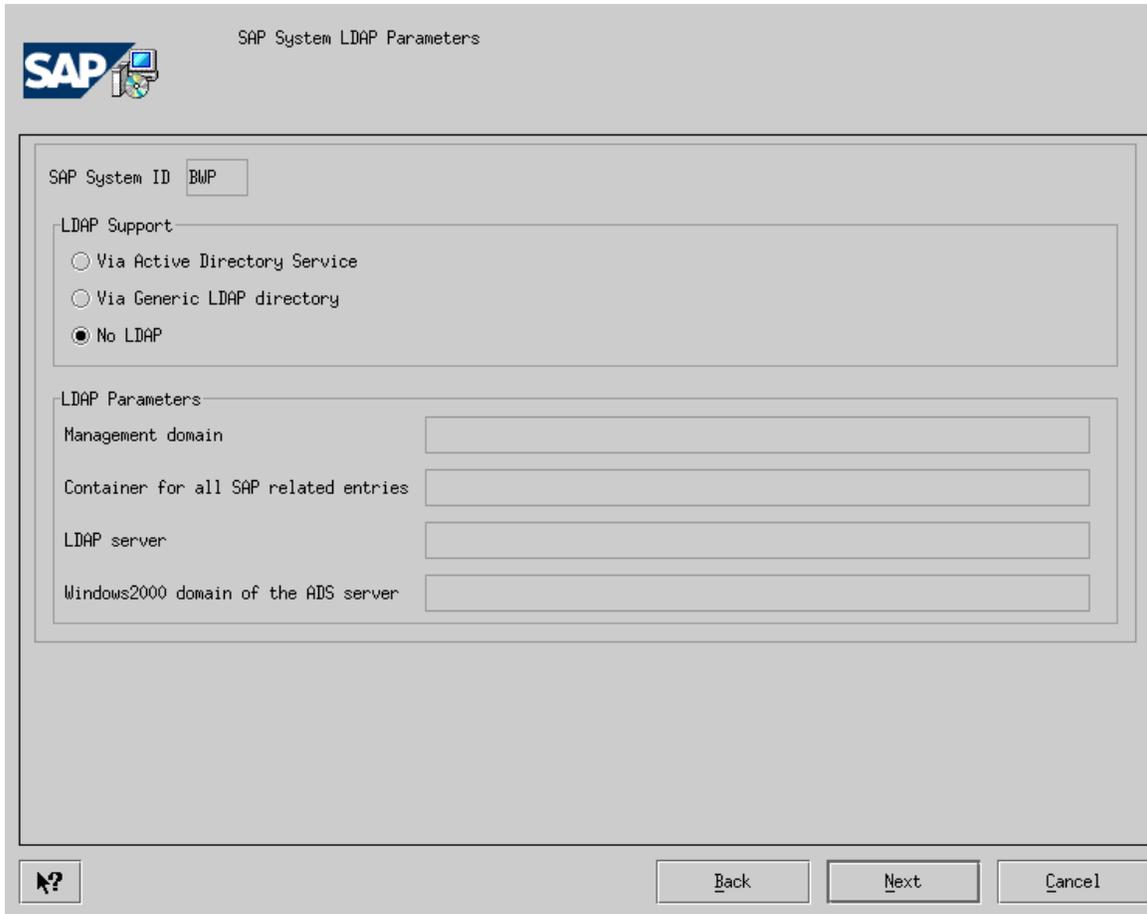
At the bottom of the dialog, there are four buttons: a help button (question mark icon), a 'Back' button, a 'Next' button, and a 'Cancel' button.

**Enter Instance number as 00**



The image shows a screenshot of the 'SAP System Common Parameters' dialog box. The title bar at the top reads 'SAP System Common Parameters' and features the SAP logo on the left. The main content area is a light gray box with a thin border. At the top left of this area, it says 'SAP System ID' followed by a text input field containing 'BWP'. Below this, there is a section titled 'Database' with the instruction 'Enter the database parameters or use the default values.' Underneath, there are two more input fields: 'Database System ID' containing 'BWP' and 'Host' containing 'bwprd'. At the bottom right of the dialog box, there are three buttons: 'Back', 'Next', and 'Cancel'.

**Enter your Database System ID & Database Host BWP & bwprd.**

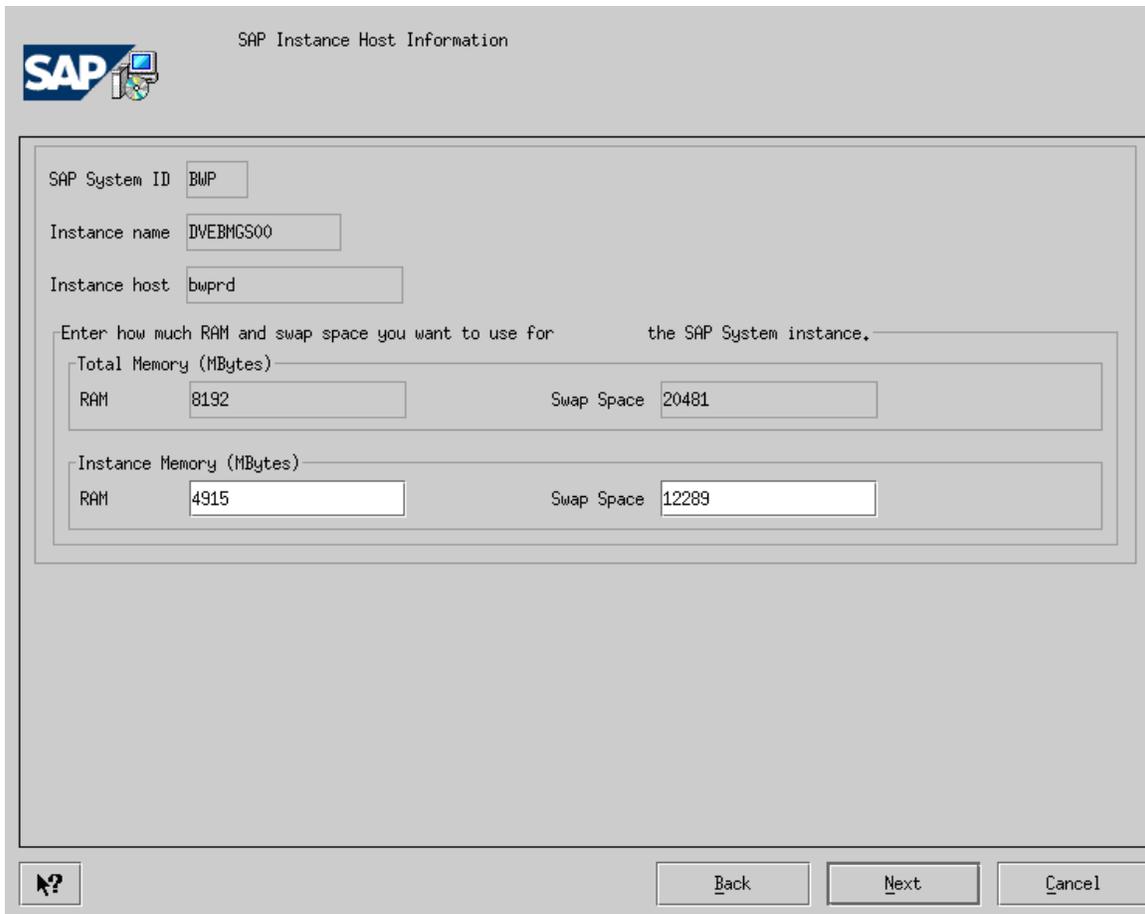


The image shows a dialog box titled "SAP System LDAP Parameters" with the SAP logo in the top left corner. The dialog contains the following elements:

- SAP System ID:** A text field containing the value "BWP".
- LDAP Support:** A section with three radio button options:
  - Via Active Directory Service
  - Via Generic LDAP directory
  - No LDAP
- LDAP Parameters:** A section with four text input fields:
  - Management domain
  - Container for all SAP related entries
  - LDAP server
  - Windows2000 domain of the ADS server

At the bottom of the dialog, there are four buttons: a help button (question mark icon), a "Back" button, a "Next" button, and a "Cancel" button.

**Select No LDAP**

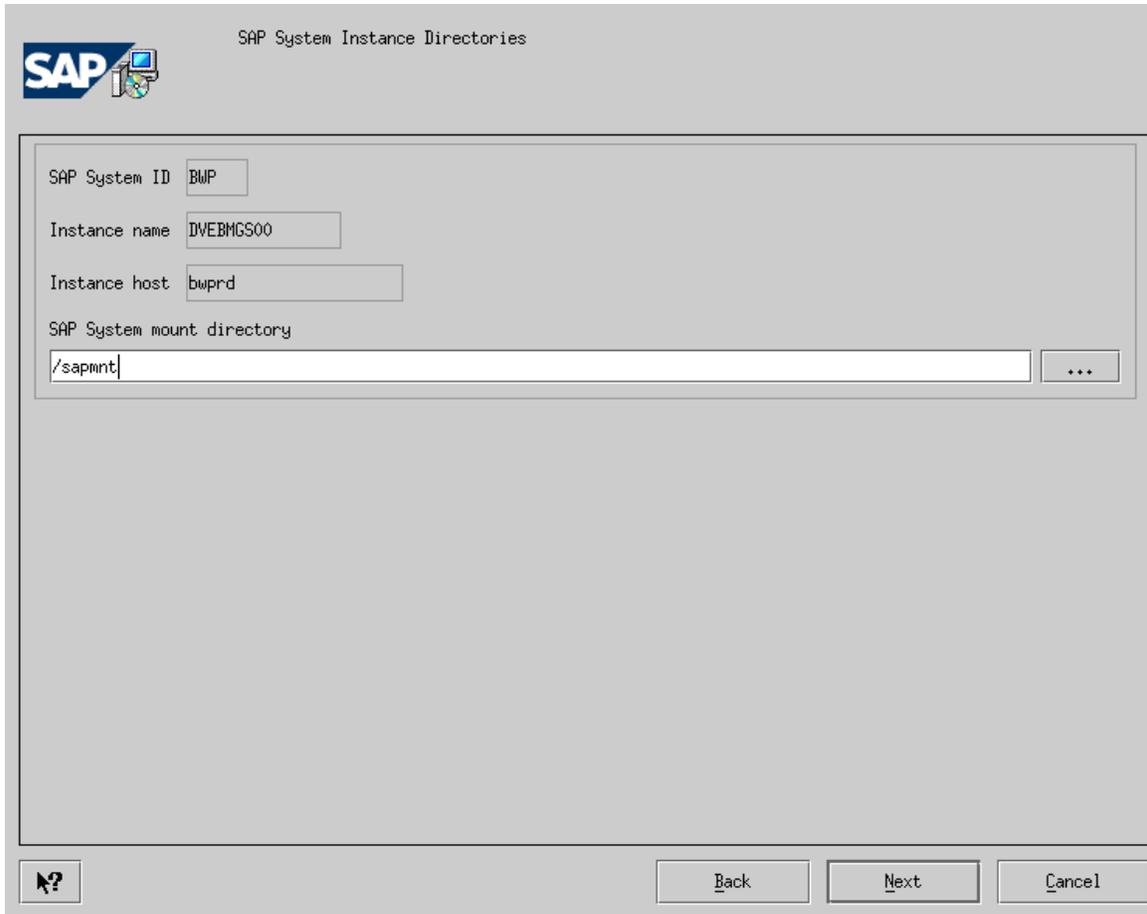


The image shows a screenshot of the 'SAP Instance Host Information' dialog box. At the top left is the SAP logo. The title bar reads 'SAP Instance Host Information'. The dialog contains several input fields for configuration:

- SAP System ID: BWP
- Instance name: DVEBMGS00
- Instance host: bwprd
- A section titled 'Enter how much RAM and swap space you want to use for the SAP System instance.' contains two sub-sections:
  - Total Memory (MBytes)**: RAM is 8192, Swap Space is 20481.
  - Instance Memory (MBytes)**: RAM is 4915, Swap Space is 12289.

At the bottom of the dialog are four buttons: a help button (question mark icon), 'Back', 'Next', and 'Cancel'.

**Enter the parameter for ram as half of total ram +20 % ,the installation will automatically provide the ram & swap space. Pls confirm.**



The image shows a screenshot of the 'SAP System Instance Directories' dialog box. The title bar at the top reads 'SAP System Instance Directories' and features the SAP logo on the left. The main area contains several input fields: 'SAP System ID' with the value 'BWP', 'Instance name' with 'DVEBMGS00', and 'Instance host' with 'bwprd'. Below these is a section for 'SAP System mount directory' with a text box containing '/sapmnt' and a browse button (three dots). At the bottom of the dialog are four buttons: a help button (question mark), 'Back', 'Next', and 'Cancel'.

**Confirm the mount directory as /sapmnt .**

User Information



If you are installing an instance other than the central instance, the user ID must be the same as the one at the central instance.

Description

Name

Membership information (separated by ',')

Login shell

Home directory

User ID

Password

Confirm

User Information



If you are installing an instance other than the central instance, the user ID must be the same as the one at the central instance.

Description

Name

Membership information (separated by ',')

Login shell

Home directory

User ID

Password

Confirm



If you are installing an instance other than the central instance, the group ID must be the same as the one at the central instance.

Description

Name

Group ID

**The default group ID will be 200 for sapsys. IF YOU PLAN TO CHANGE PLEASE NOTEDOWN. (SAP ADMINISTRATOR GROUP)**



If you are installing an instance other than the central instance, the group ID must be the same as the one at the central instance.

Description Database Administration Group

Name dba

Group ID 202

? Back Next Cancel

**The default group ID for dba will be 202. (DATABASE ADMINISTRATOR GROUP)**



If you are installing an instance other than the central instance, the group ID must be the same as the one at the central instance.

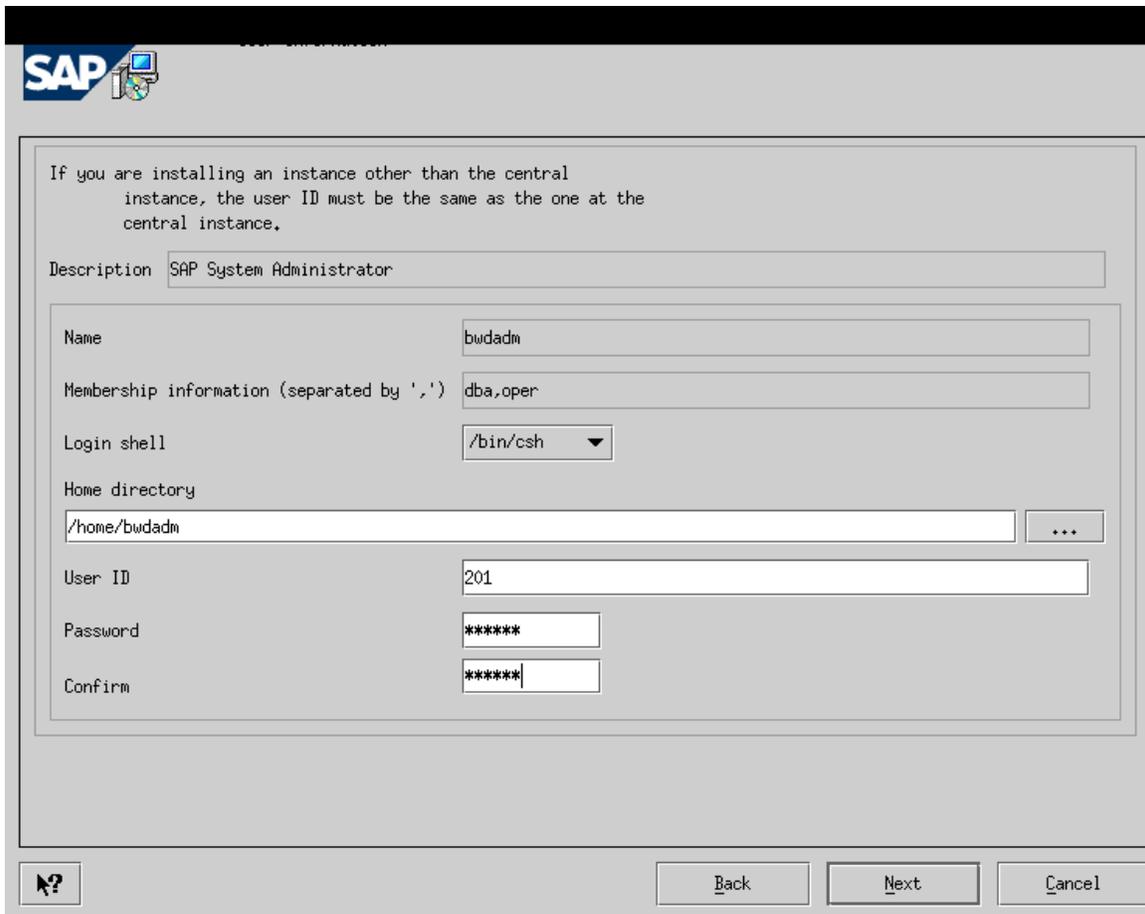
Description Database Operator Group

Name oper

Group ID 203

Help Back Next Cancel

**The default group ID for oper is 203. (DATABASE OPERATOR GROUP)**



The image shows a screenshot of an SAP installation dialog box. At the top left is the SAP logo. Below it, a text box contains the instruction: "If you are installing an instance other than the central instance, the user ID must be the same as the one at the central instance." Below this is a "Description" field with the text "SAP System Administrator". The main area contains several fields: "Name" with "bwdadm", "Membership information (separated by ',')" with "dba,oper", "Login shell" with a dropdown menu showing "/bin/csh", "Home directory" with "/home/bwdadm" and a browse button "...", "User ID" with "201", "Password" with "\*\*\*\*\*", and "Confirm" with "\*\*\*\*\*". At the bottom are buttons for "?", "Back", "Next", and "Cancel".

**The default Home Directory will be /home/bwpadm .  
The default User ID for SAP System ADMINISTRATOR bwpadm is 201.**



If you are installing an instance other than the central instance, the user ID must be the same as the one at the central instance.

Description

Name

Membership information (separated by ',')

Login shell

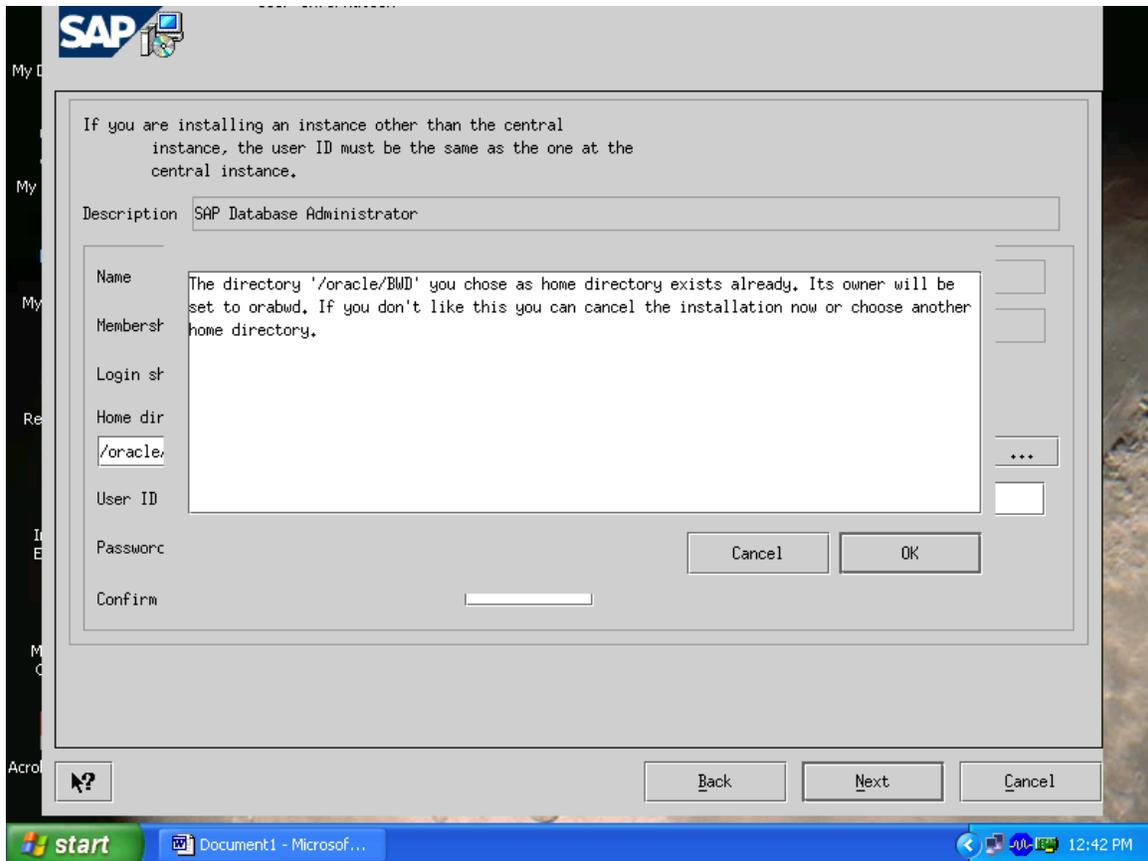
Home directory

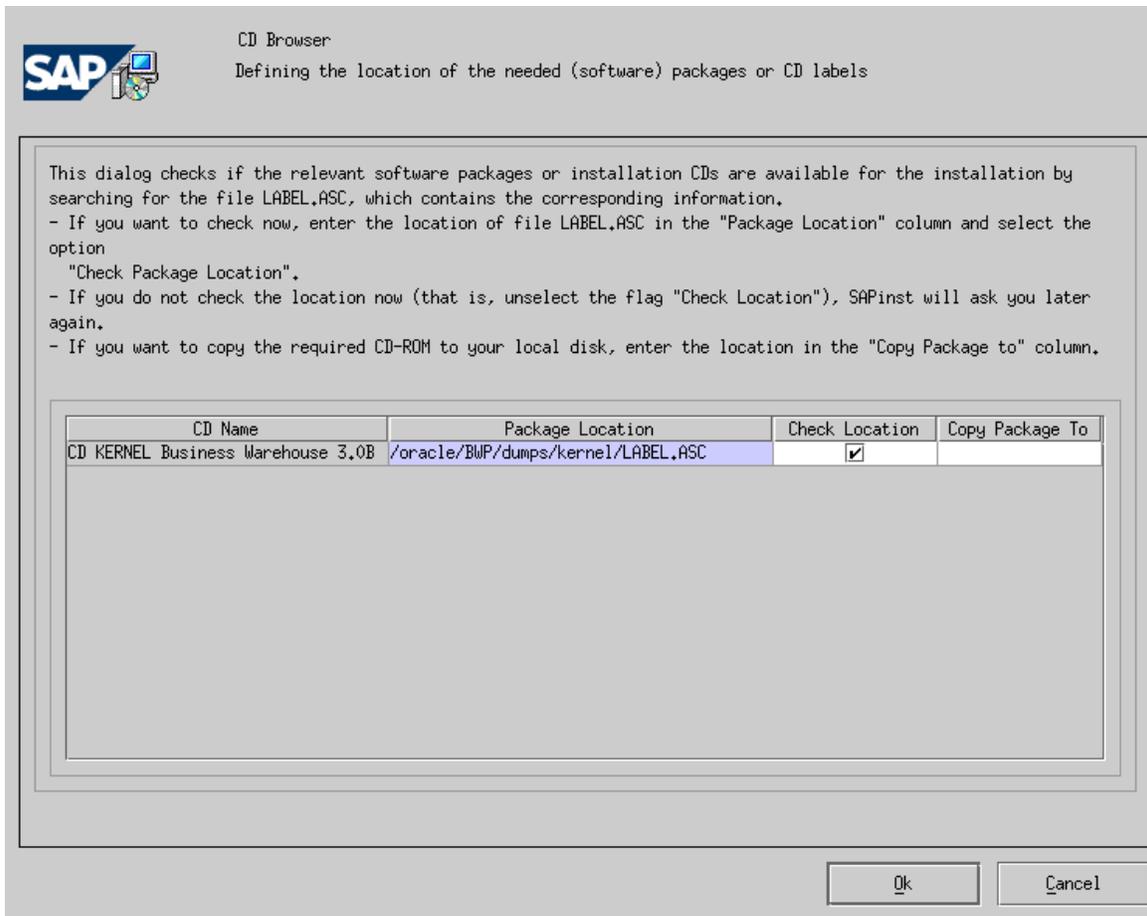
User ID

Password

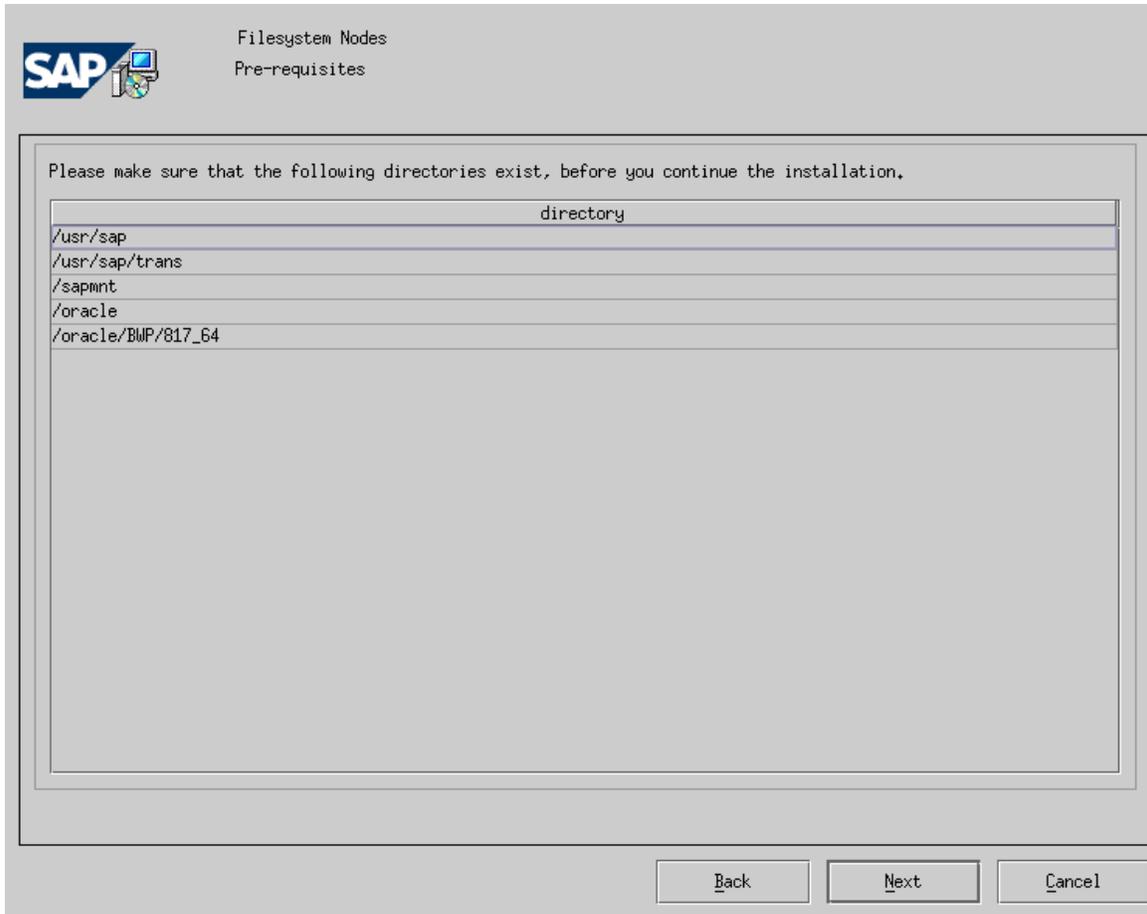
Confirm

**The default User ID for SAP Database Administrator orabwd is 204.**





**Enter the path for CD kernel.**



**Verify that following filesystem with directories exist.**



Extraction of Oracle Software

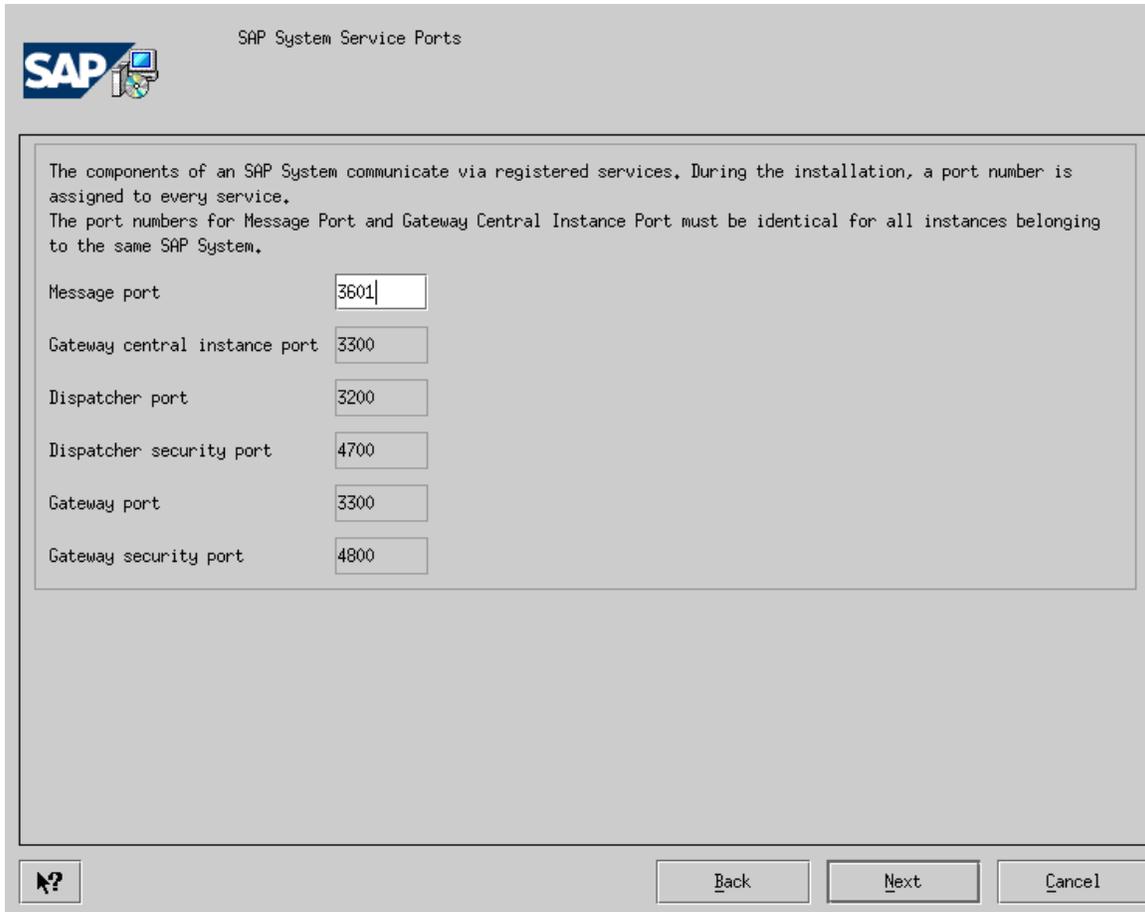
Do you want to extract the Oracle client software archive?

Extract Oracle client software

Oracle client archive name

Oracle client directory

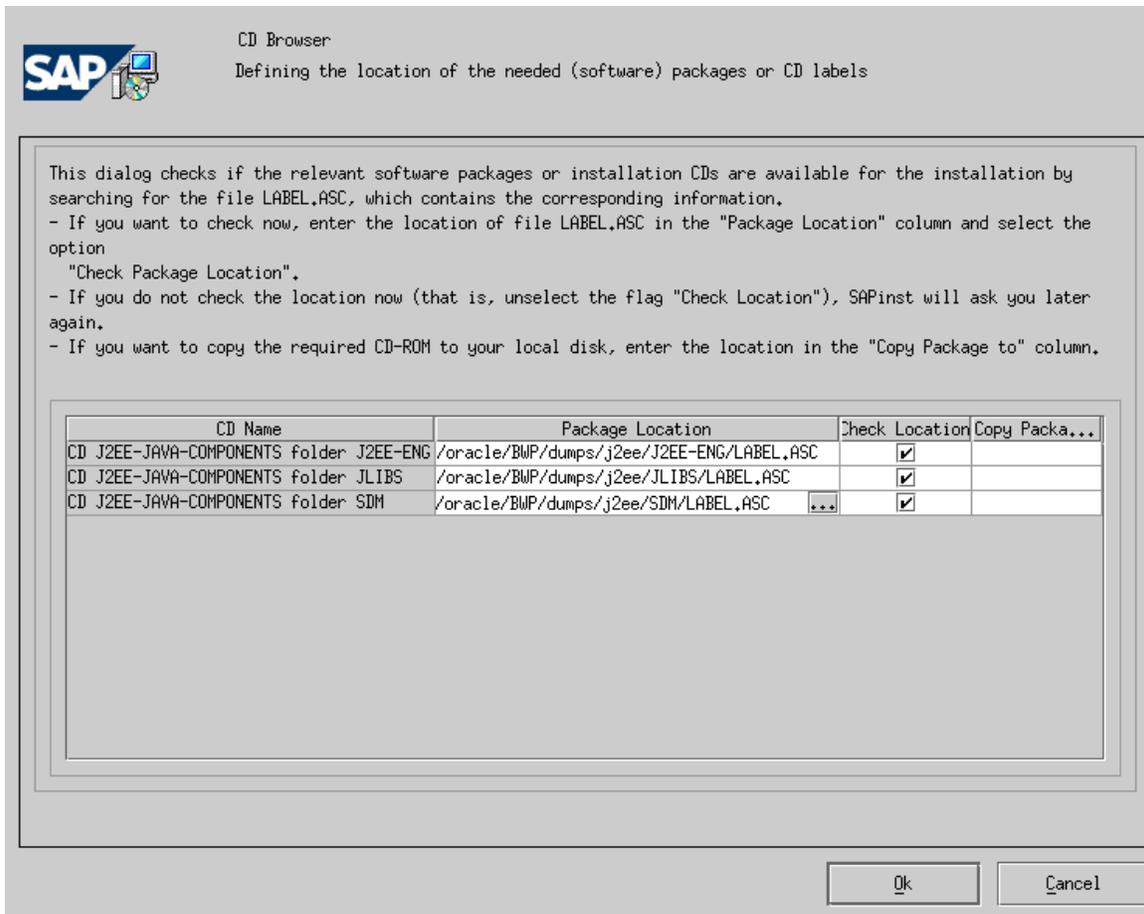
**Select for extracting Oracle client software.**



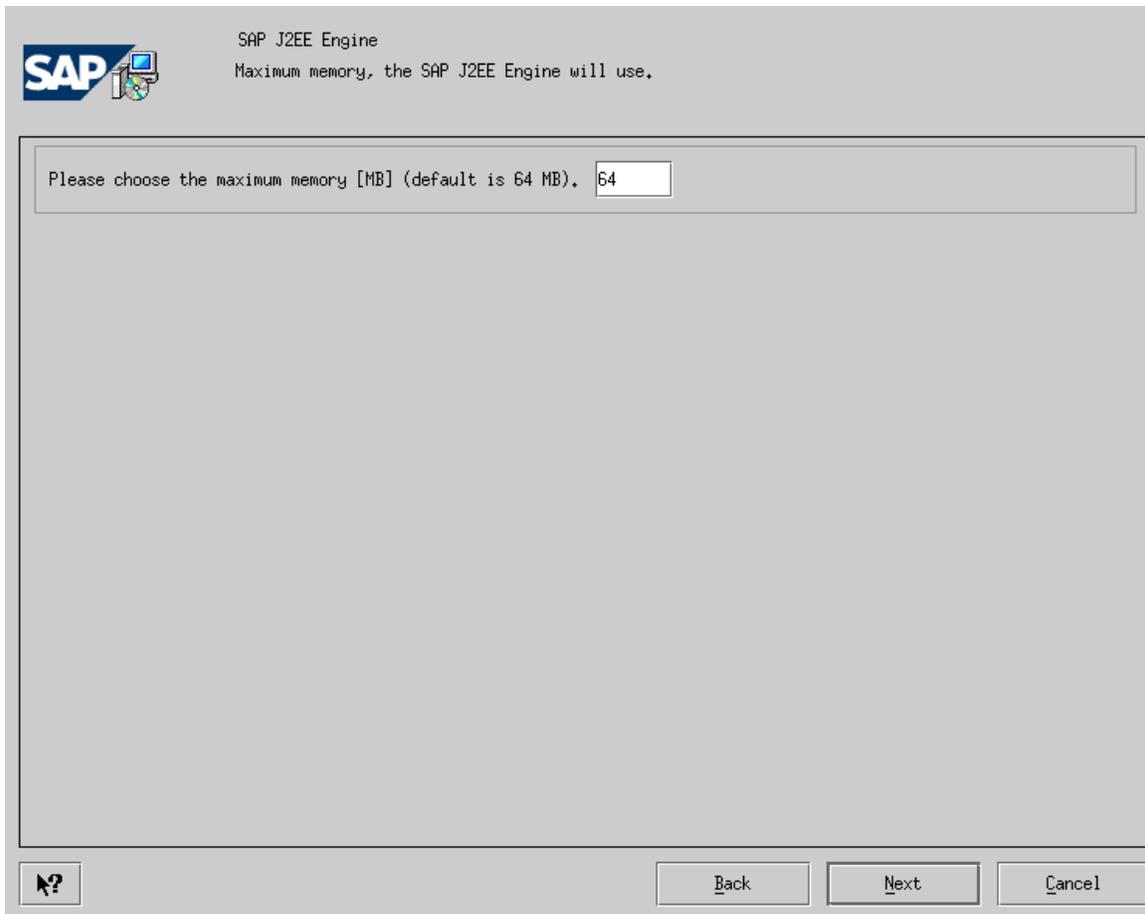
The screenshot shows the 'SAP System Service Ports' configuration window. It features the SAP logo in the top left corner. The main content area contains a text box with instructions: 'The components of an SAP System communicate via registered services. During the installation, a port number is assigned to every service. The port numbers for Message Port and Gateway Central Instance Port must be identical for all instances belonging to the same SAP System.' Below this text are six input fields for different ports: Message port (3601), Gateway central instance port (3300), Dispatcher port (3200), Dispatcher security port (4700), Gateway port (3300), and Gateway security port (4800). At the bottom of the window, there are three buttons: a help button with a question mark, a 'Back' button, a 'Next' button, and a 'Cancel' button.

Service	Port Number
Message port	3601
Gateway central instance port	3300
Dispatcher port	3200
Dispatcher security port	4700
Gateway port	3300
Gateway security port	4800

**3600 = 36 + < Instance NO> default message port. If this port is used enter a port not in use.**



enter the path to J2EE cds which contains following directories J2EE-ENG, JLIBS, & SDM.



**Default memory for JAVA → 64MB**

 SAP J2EE Engine  
Communication user SAPJSF

The user SAPJSF is required to enable communication between Java and ABAP stack.

Please type the client for the communication user SAPJSF!

Client:

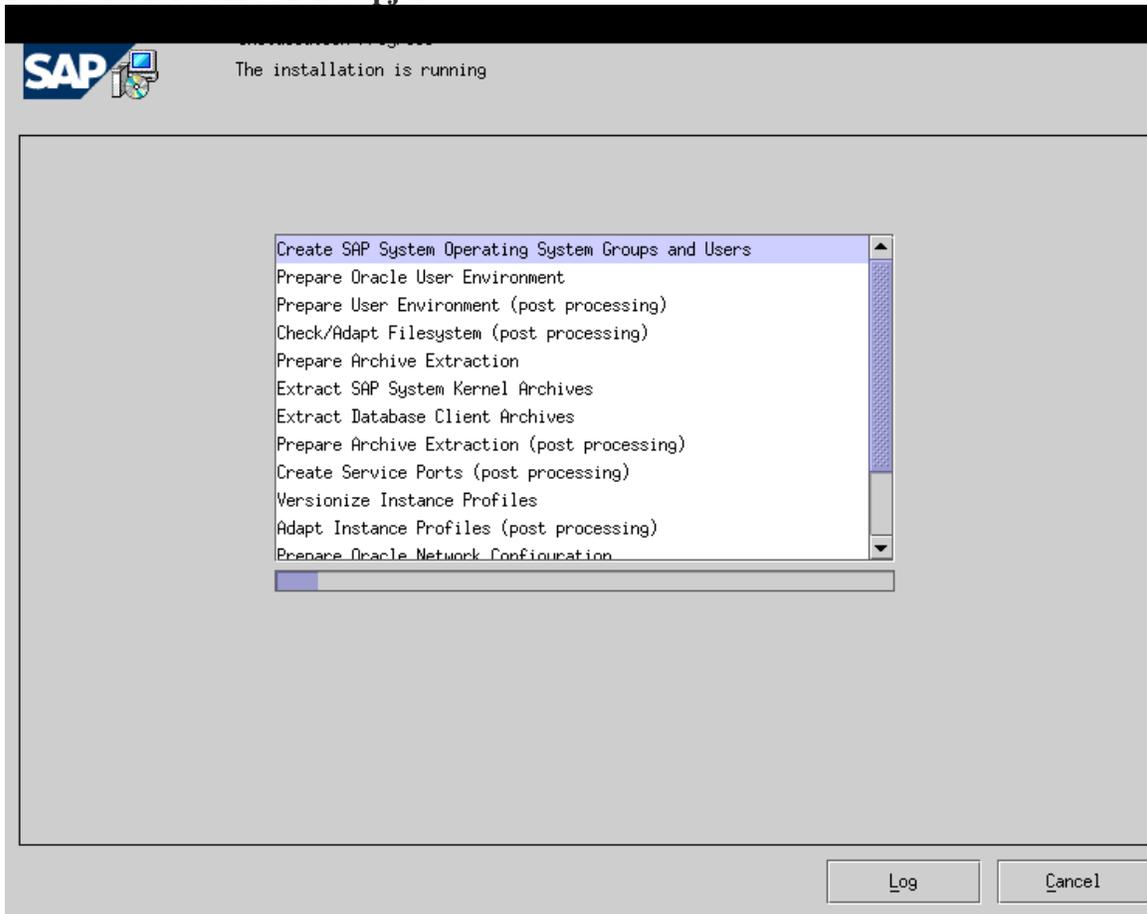
Please type the password of the communication user SAPJSF!

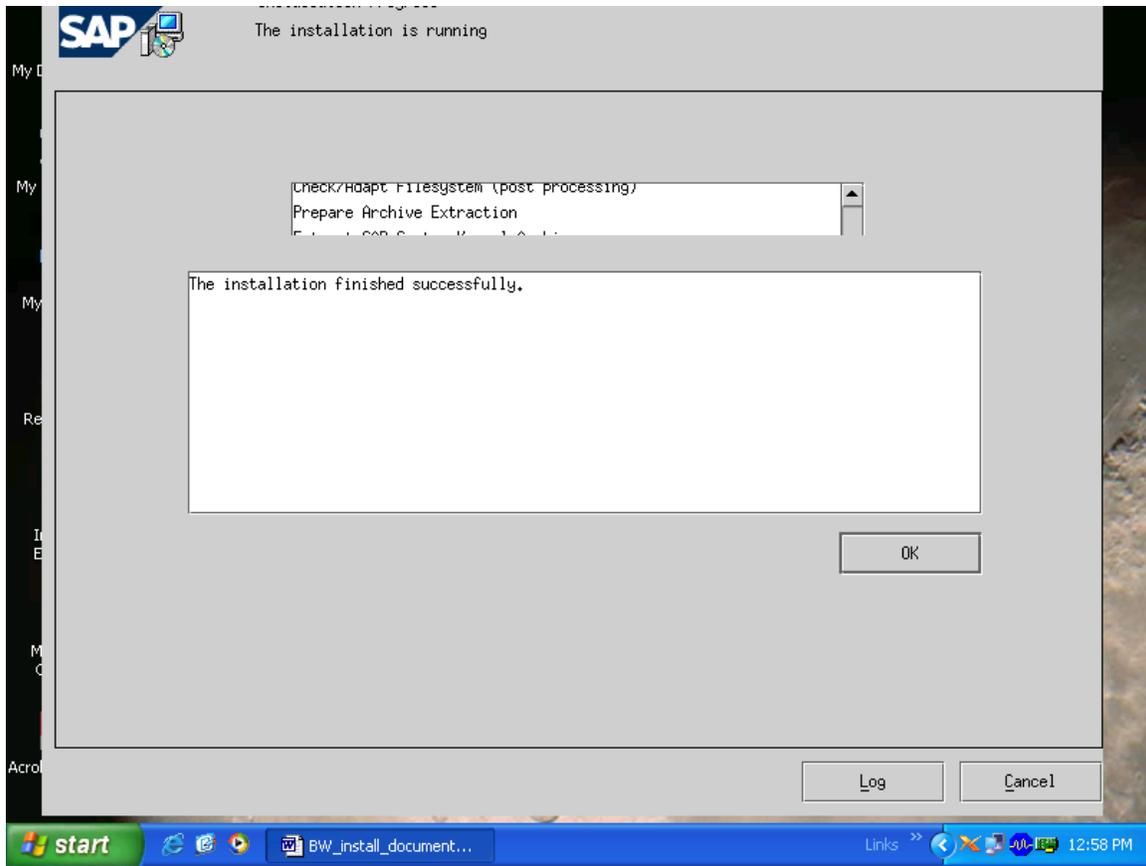
Password:

Confirm



**Password for SAPJSF is sapjsf.**





## 6. DATABASE INSTALLATION

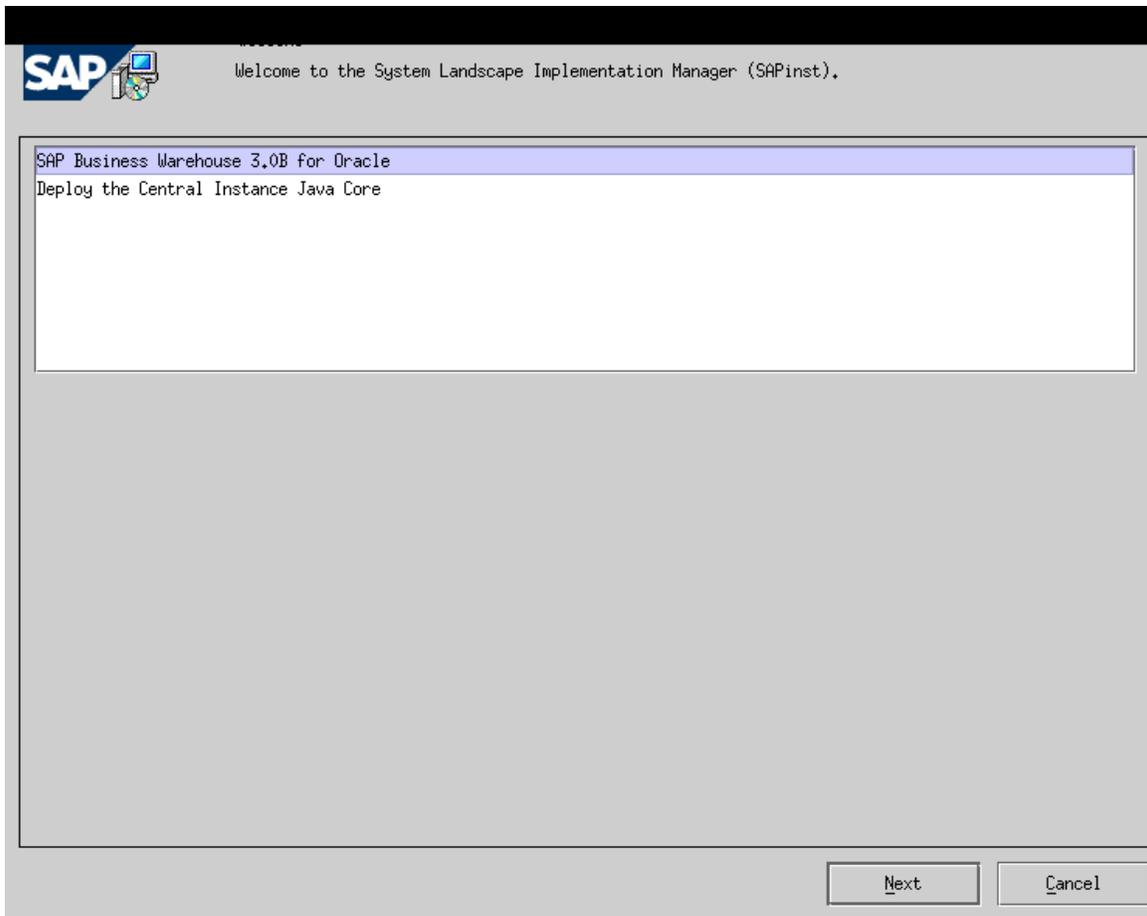
To start with the database installation navigate to `/oracle/BWP/dumps`

Create a directory as `Dbinst` for database installation logs.

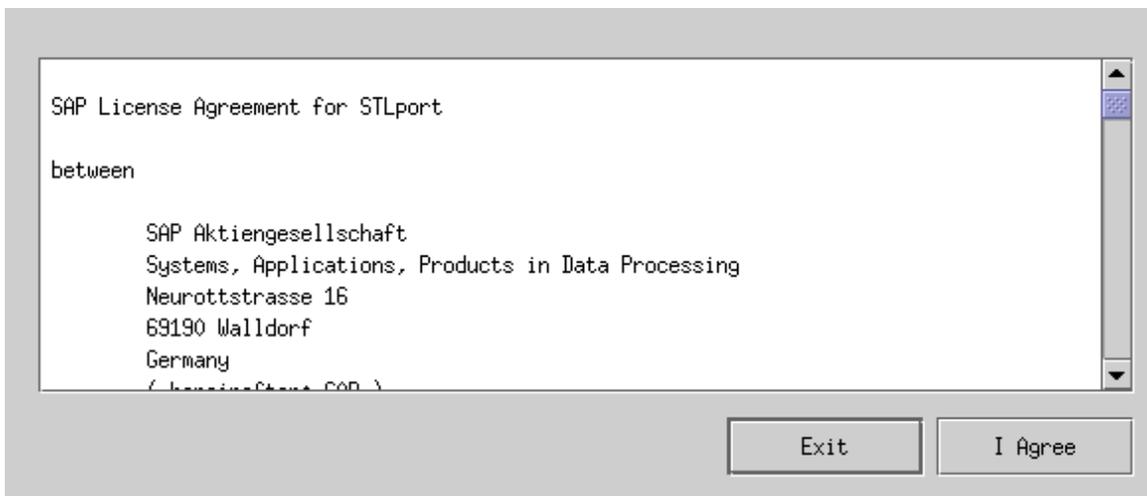
Be on `Dbinst` directory & run →

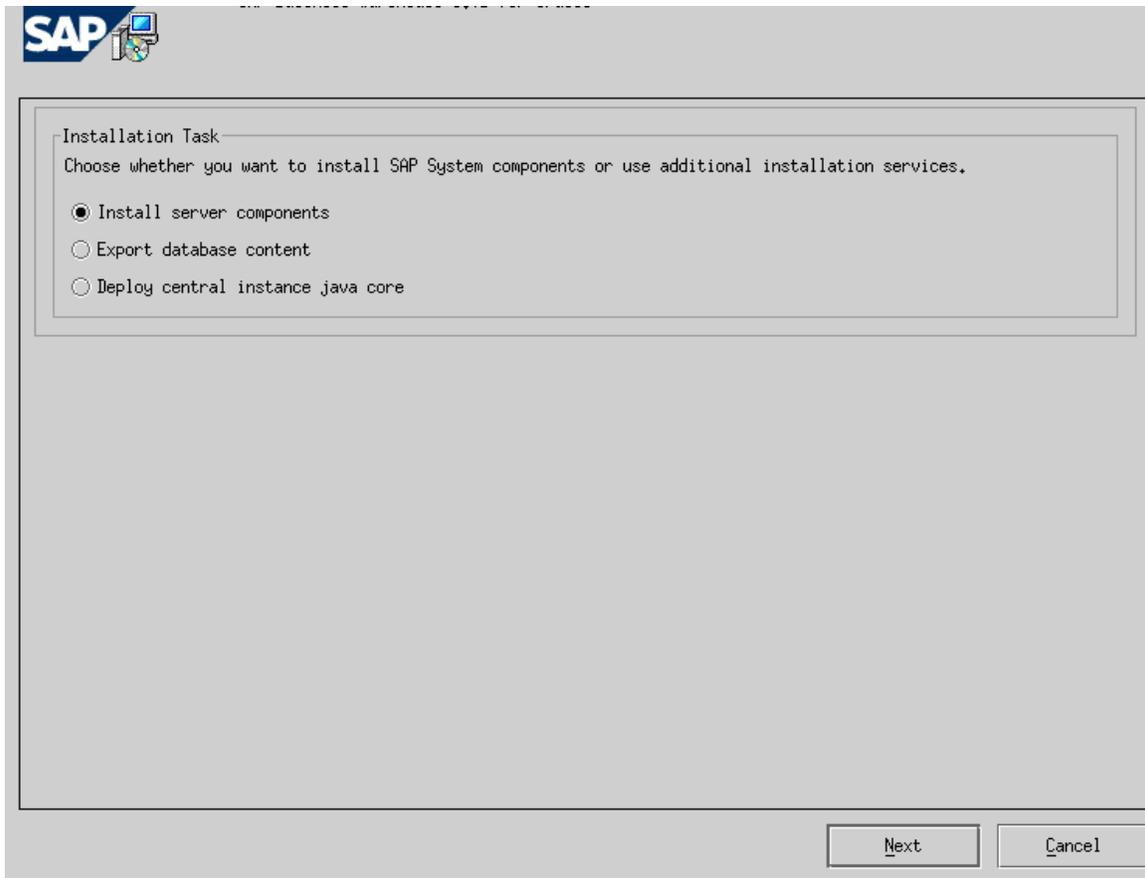
```
root@bwtrd # cd ../Dbinst
```

```
root@bwtrd # /oracle/BWD/dumps/kernel/SAPINST/UNIX/SUNOS_64/INSTALL
```

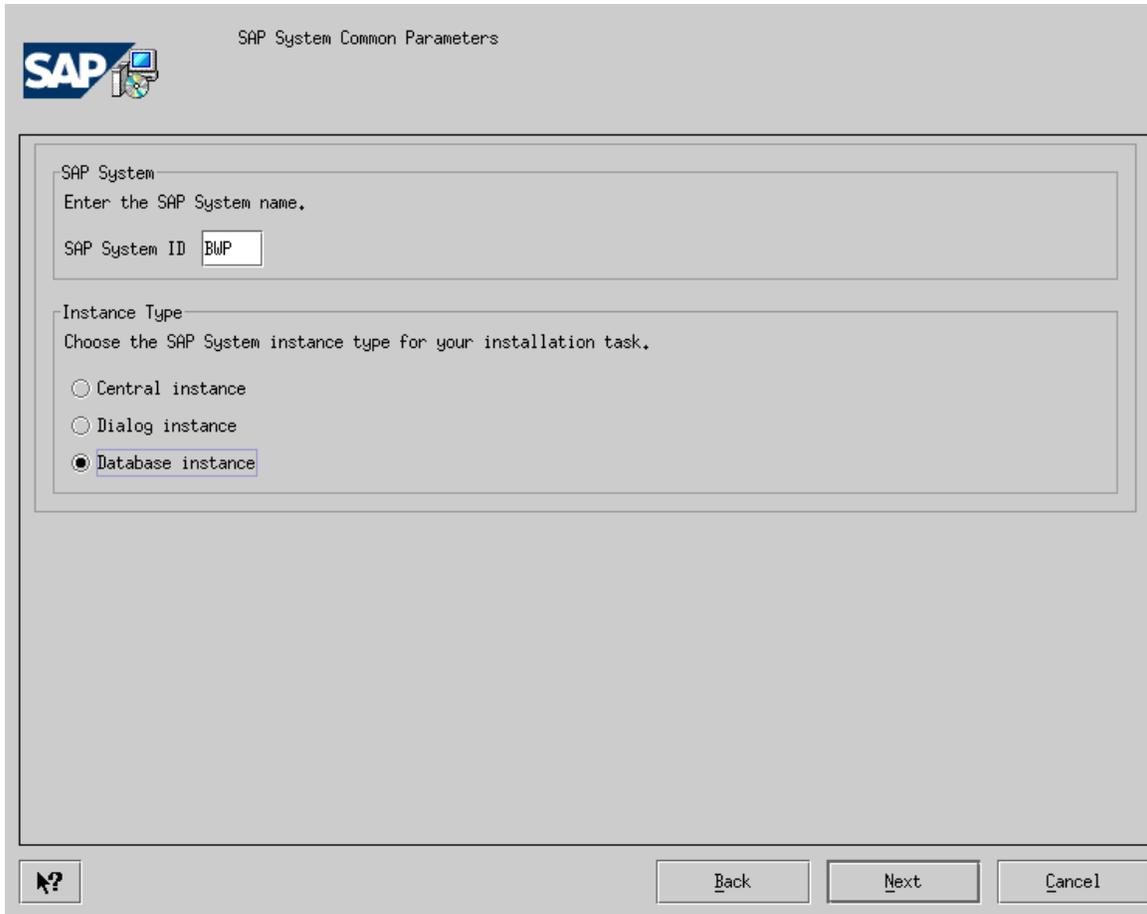


**Select the first option**





**Select Install server components**



The image shows a screenshot of the 'SAP System Common Parameters' dialog box. The title bar at the top reads 'SAP System Common Parameters' and features the SAP logo on the left. The dialog is divided into two main sections. The first section, titled 'SAP System', contains the instruction 'Enter the SAP System name.' and a text input field labeled 'SAP System ID' with the value 'BWP' entered. The second section, titled 'Instance Type', contains the instruction 'Choose the SAP System instance type for your installation task.' and three radio button options: 'Central instance', 'Dialog instance', and 'Database instance'. The 'Database instance' option is selected. At the bottom of the dialog, there are four buttons: a help button (a question mark in a square), a 'Back' button, a 'Next' button, and a 'Cancel' button.

**Select SAP system name as BWP & database instance**



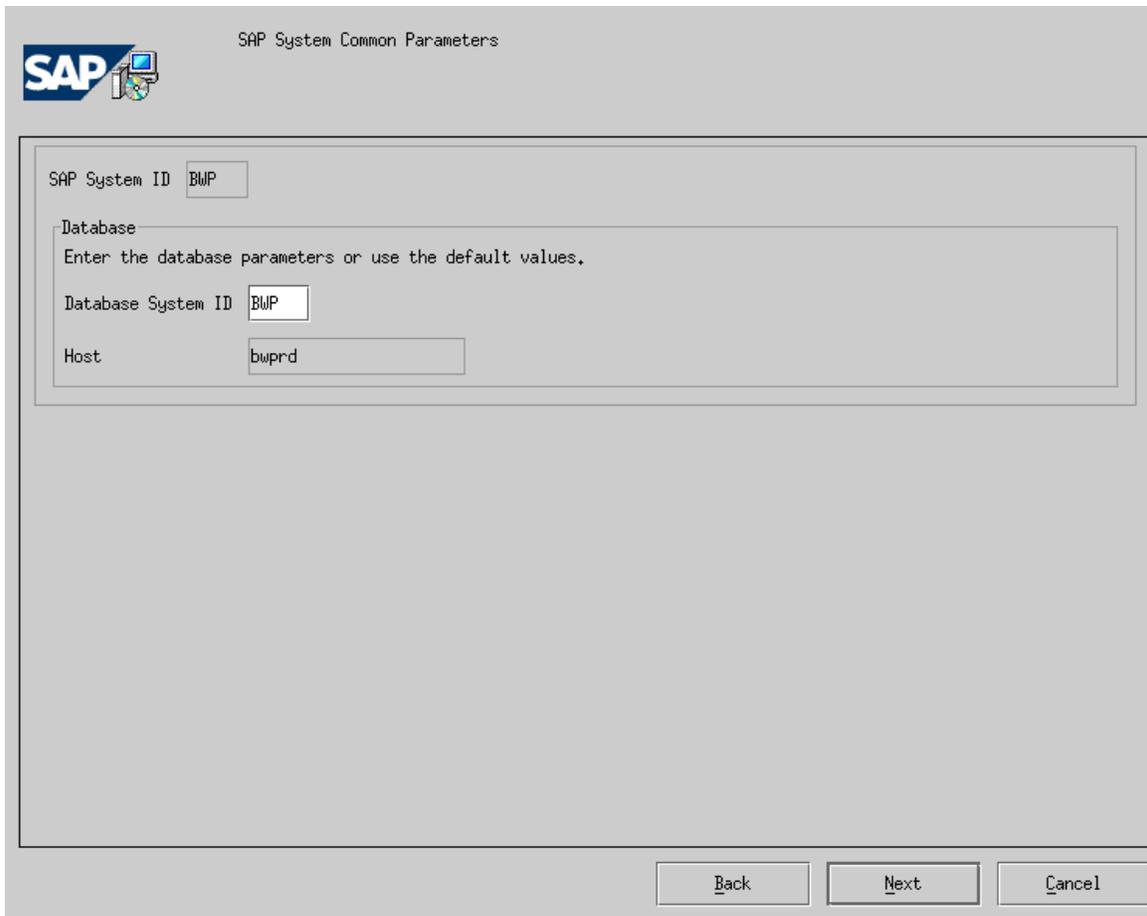
Database Instance Type

Choose whether you want to install a new database instance or use an existing database for the SAP system installation.

Install (first) SAP system into a new database

Install (additional) SAP System into an existing database



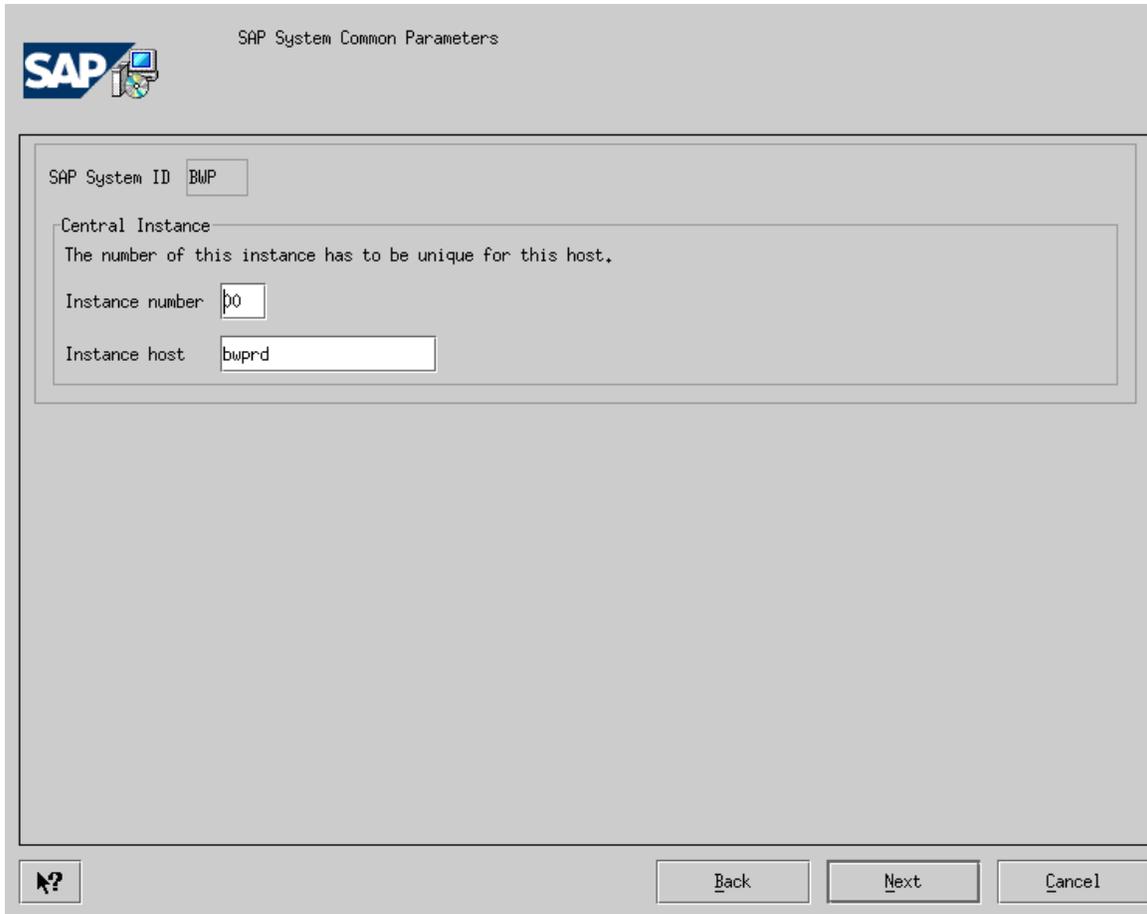


The image shows a screenshot of the 'SAP System Common Parameters' dialog box. The title bar at the top reads 'SAP System Common Parameters' and features the SAP logo on the left. The main content area is enclosed in a rectangular frame and contains the following fields and text:

- 'SAP System ID' with a text box containing 'BWP'.
- A section titled 'Database' with the instruction 'Enter the database parameters or use the default values.' below it.
- 'Database System ID' with a text box containing 'BWP'.
- 'Host' with a text box containing 'bwprd'.

At the bottom of the dialog box, there are three buttons: 'Back', 'Next', and 'Cancel'.

**Select Database system ID as BWD**

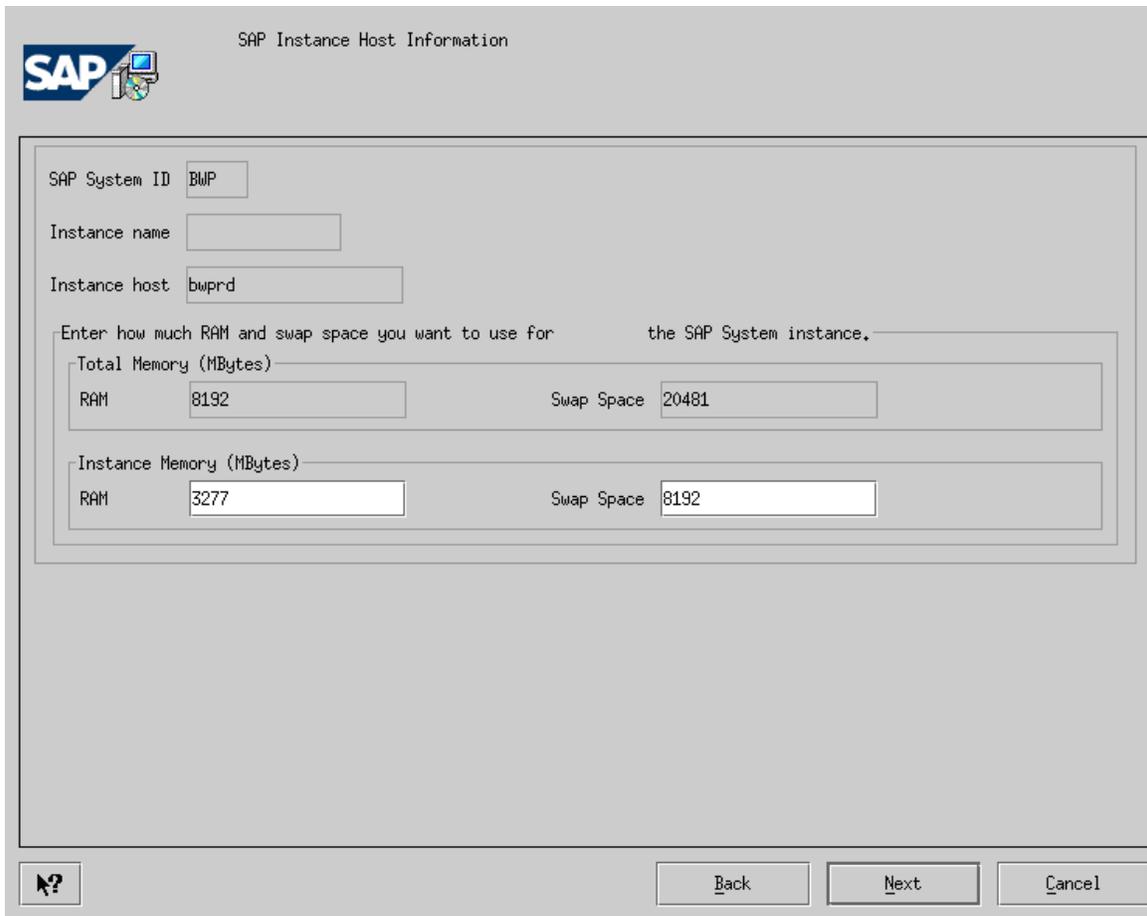


The image shows a screenshot of the 'SAP System Common Parameters' dialog box. At the top left is the SAP logo. The title bar reads 'SAP System Common Parameters'. The main area contains the following fields and text:

- SAP System ID:
- Central Instance: The number of this instance has to be unique for this host.
- Instance number:
- Instance host:

At the bottom of the dialog, there are four buttons: a help button (question mark icon), a 'Back' button, a 'Next' button, and a 'Cancel' button.

**Enter the database host & instance no.**



The image shows a screenshot of the 'SAP Instance Host Information' dialog box. At the top left is the SAP logo. The title bar reads 'SAP Instance Host Information'. The dialog contains several input fields: 'SAP System ID' with the value 'BWP', 'Instance name' (empty), 'Instance host' with the value 'bwprd', and a section for memory configuration. This section is titled 'Enter how much RAM and swap space you want to use for the SAP System instance.' and contains two sub-sections: 'Total Memory (MBytes)' with 'RAM' set to 8192 and 'Swap Space' set to 20481, and 'Instance Memory (MBytes)' with 'RAM' set to 3277 and 'Swap Space' set to 8192. At the bottom, there are four buttons: a help button (question mark in a square), 'Back', 'Next', and 'Cancel'.

SAP Instance Host Information

SAP System ID: BWP

Instance name:

Instance host: bwprd

Enter how much RAM and swap space you want to use for the SAP System instance.

Total Memory (MBytes)

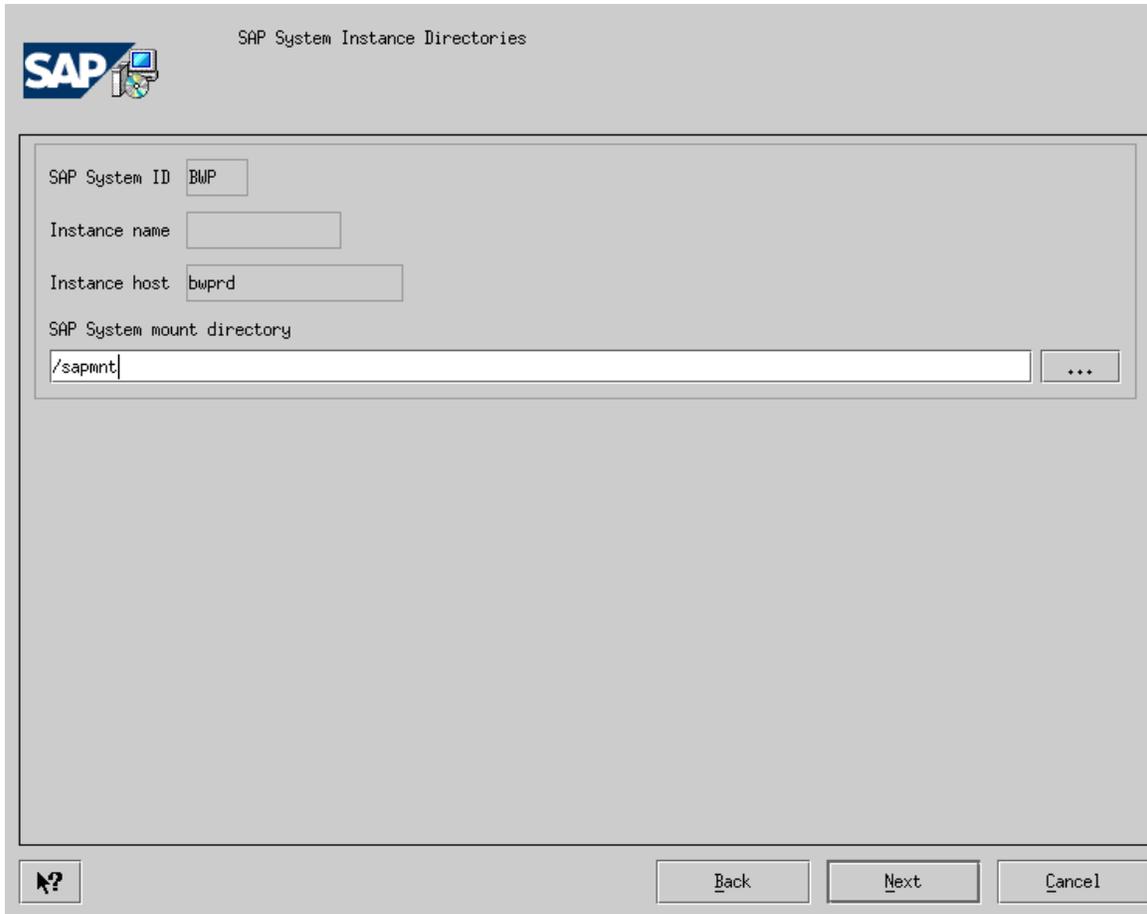
RAM: 8192 Swap Space: 20481

Instance Memory (MBytes)

RAM: 3277 Swap Space: 8192

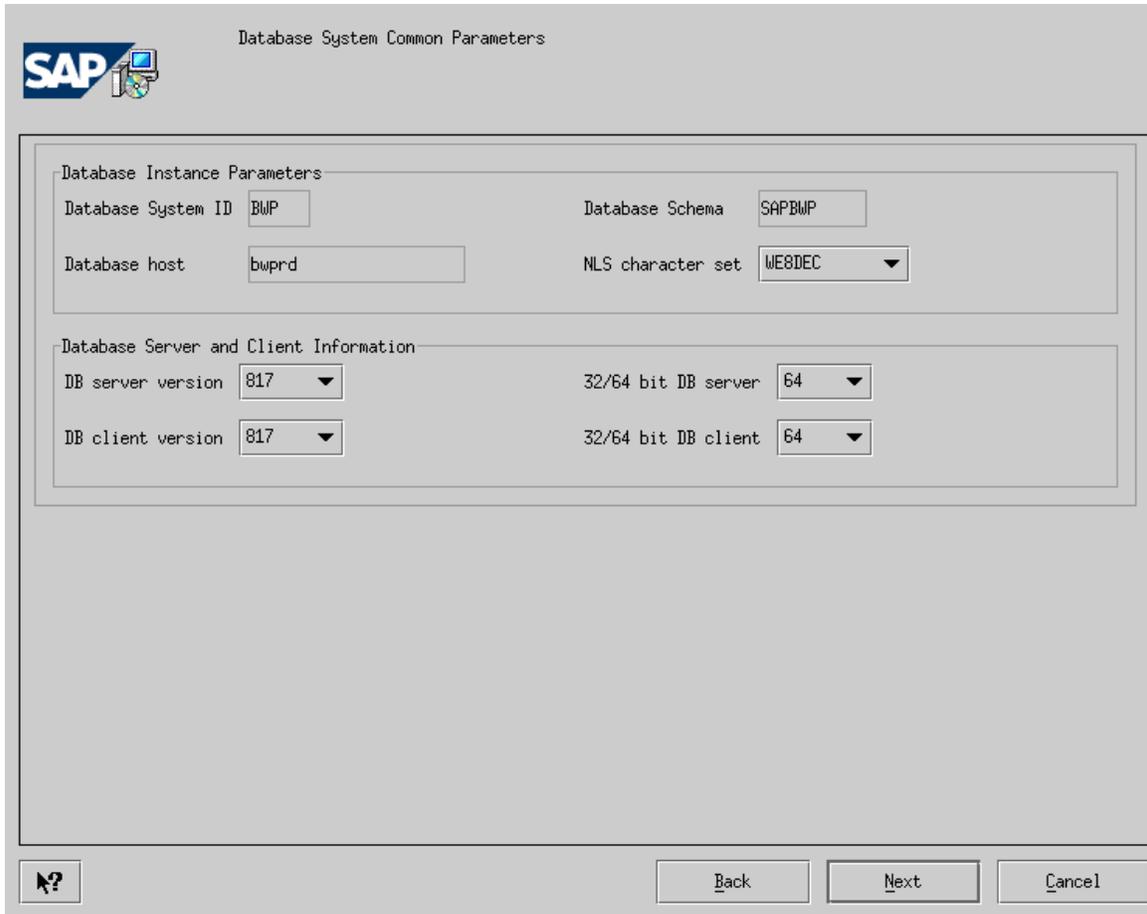
Buttons: [Help], [Back], [Next], [Cancel]

Select the default database RAM which should be auto calculated.



The image shows a dialog box titled "SAP System Instance Directories" with the SAP logo in the top left corner. The dialog contains several input fields: "SAP System ID" with the value "BWP", "Instance name" (empty), "Instance host" with the value "bwprd", and "SAP System mount directory" with the value "/sapmnt". A file browser button (three dots) is located to the right of the mount directory field. At the bottom of the dialog, there are four buttons: a help button (question mark), a "Back" button, a "Next" button, and a "Cancel" button.

**Confirm the SAP System mount directory.**



The image shows a SAP installation dialog box titled "Database System Common Parameters". It features the SAP logo in the top left corner. The dialog is divided into two main sections: "Database Instance Parameters" and "Database Server and Client Information".

**Database Instance Parameters:**

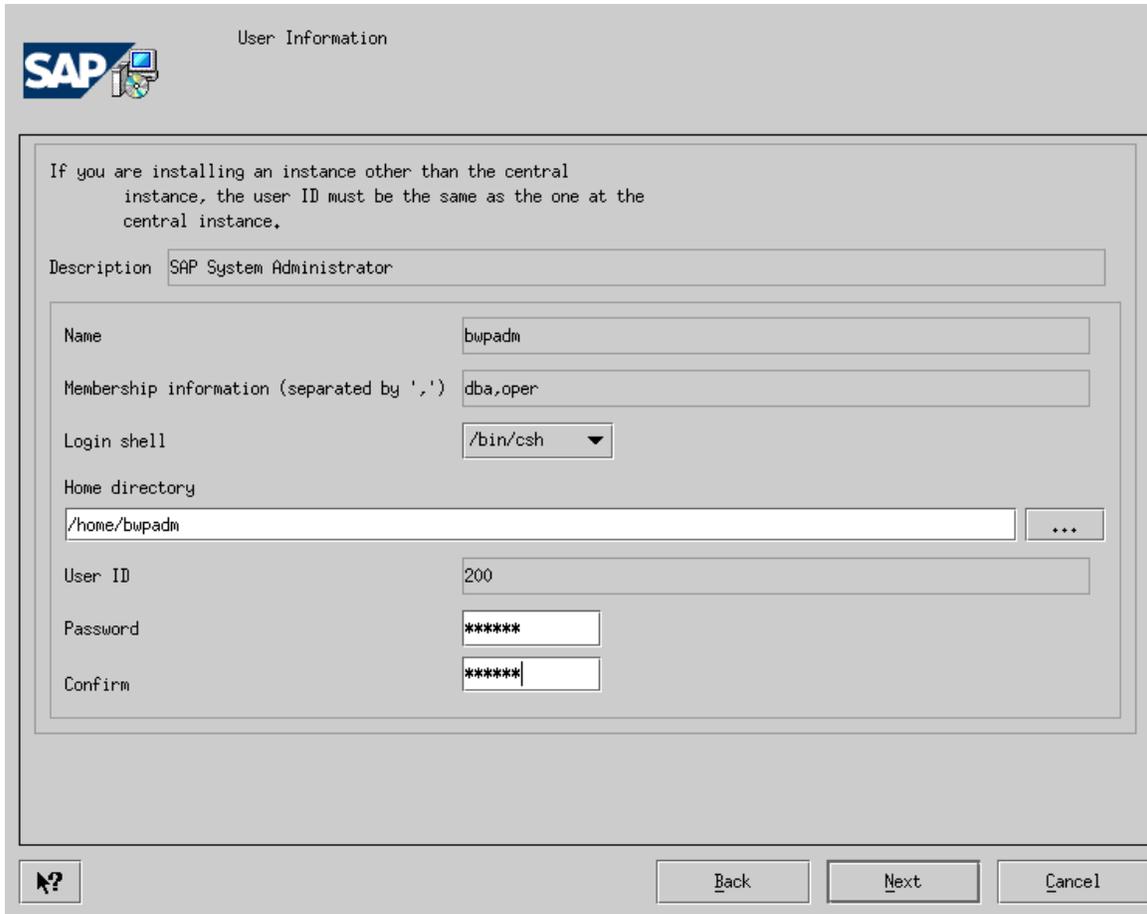
- Database System ID: BWP
- Database Schema: SAPBWP
- Database host: bwprd
- NLS character set: WE8DEC (dropdown menu)

**Database Server and Client Information:**

- DB server version: 817 (dropdown menu)
- 32/64 bit DB server: 64 (dropdown menu)
- DB client version: 817 (dropdown menu)
- 32/64 bit DB client: 64 (dropdown menu)

At the bottom of the dialog, there are four buttons: a help button (question mark icon), "Back", "Next", and "Cancel".

**Confirm the database server & client information window.**



The image shows a SAP 'User Information' dialog box. At the top left is the SAP logo. The title bar reads 'User Information'. Below the logo, there is a text box with the following instruction: 'If you are installing an instance other than the central instance, the user ID must be the same as the one at the central instance.' Below this is a 'Description' field containing 'SAP System Administrator'. The main area contains several fields: 'Name' with 'bwpadm', 'Membership information (separated by ',')' with 'dba,oper', 'Login shell' with a dropdown menu showing '/bin/csh', 'Home directory' with '/home/bwpadm' and a browse button (...), 'User ID' with '200', 'Password' with '\*\*\*\*\*', and 'Confirm' with '\*\*\*\*\*'. At the bottom, there are three buttons: a help button (question mark), a 'Back' button, a 'Next' button, and a 'Cancel' button.

**This user ID refers to SAP system Administrator bwdadm having user id 201 should have same password as entered during kernel installation.**

User Information



If you are installing an instance other than the central instance, the user ID must be the same as the one at the central instance.

Description

Name

Membership information (separated by ',')

Login shell

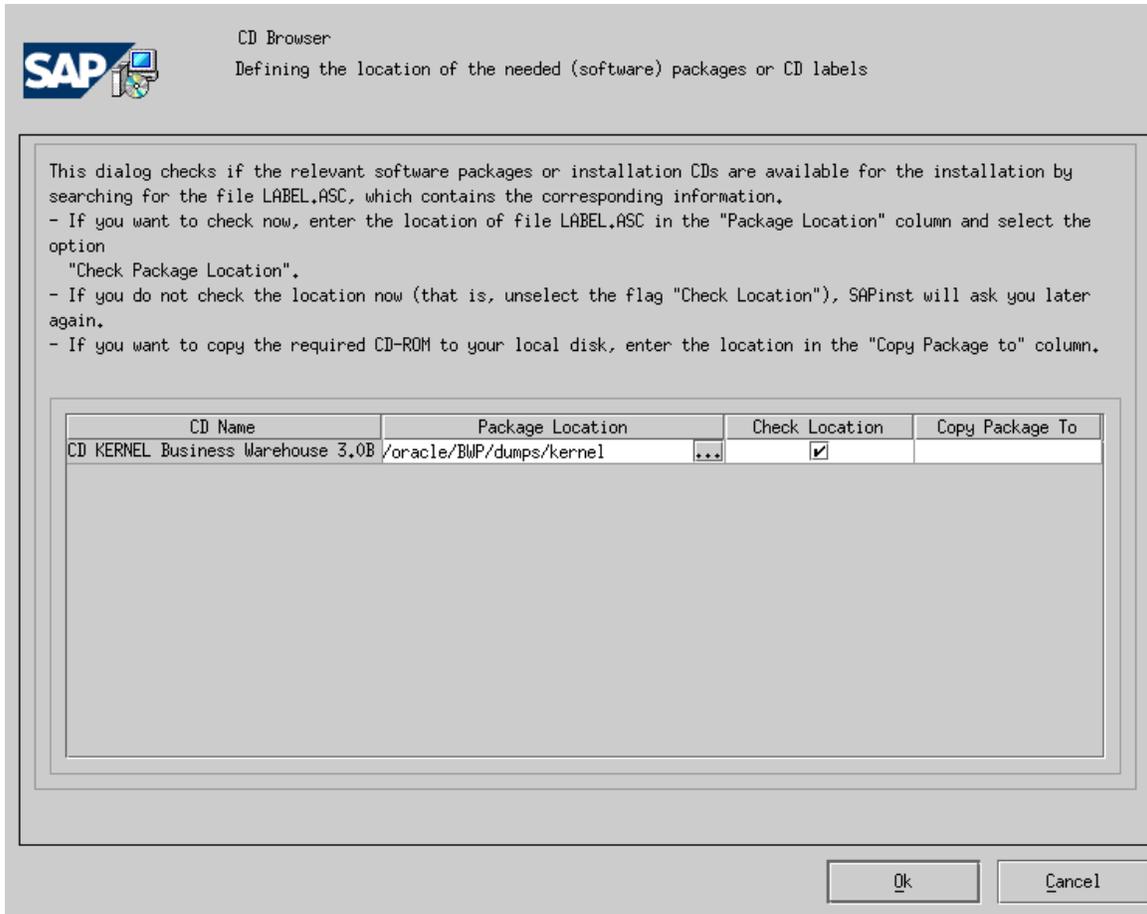
Home directory

User ID

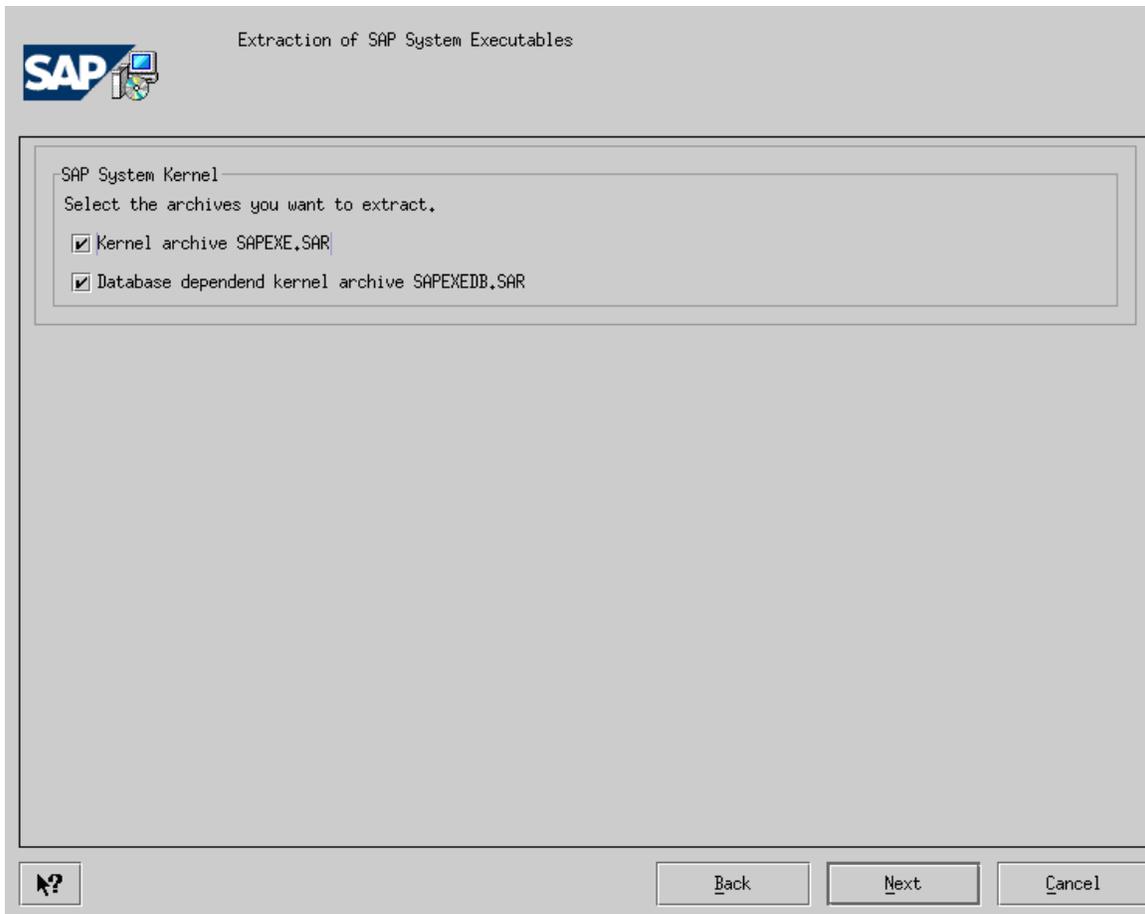
Password

Confirm

**This user ID refers to SAP Database Administrator orabwd having user id 204 should have same password as entered during kernel installation.**



**Enter the path for kernel cd**



 Extraction of Oracle Software

Do you want to extract the Oracle client software archive?

Extract Oracle client software

Oracle client archive name

Oracle client directory



Database Server Parameters



General Database Server Information

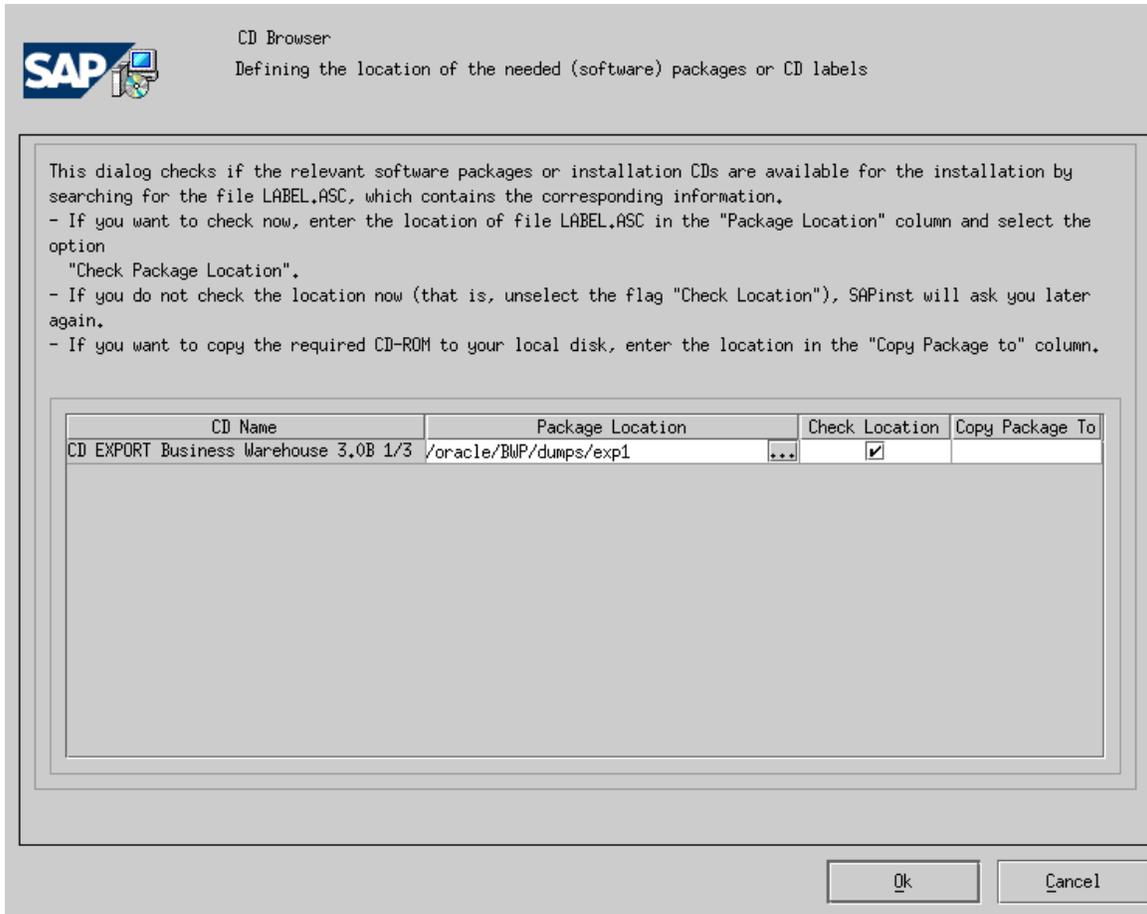
Database Instance Parameters

Database Name

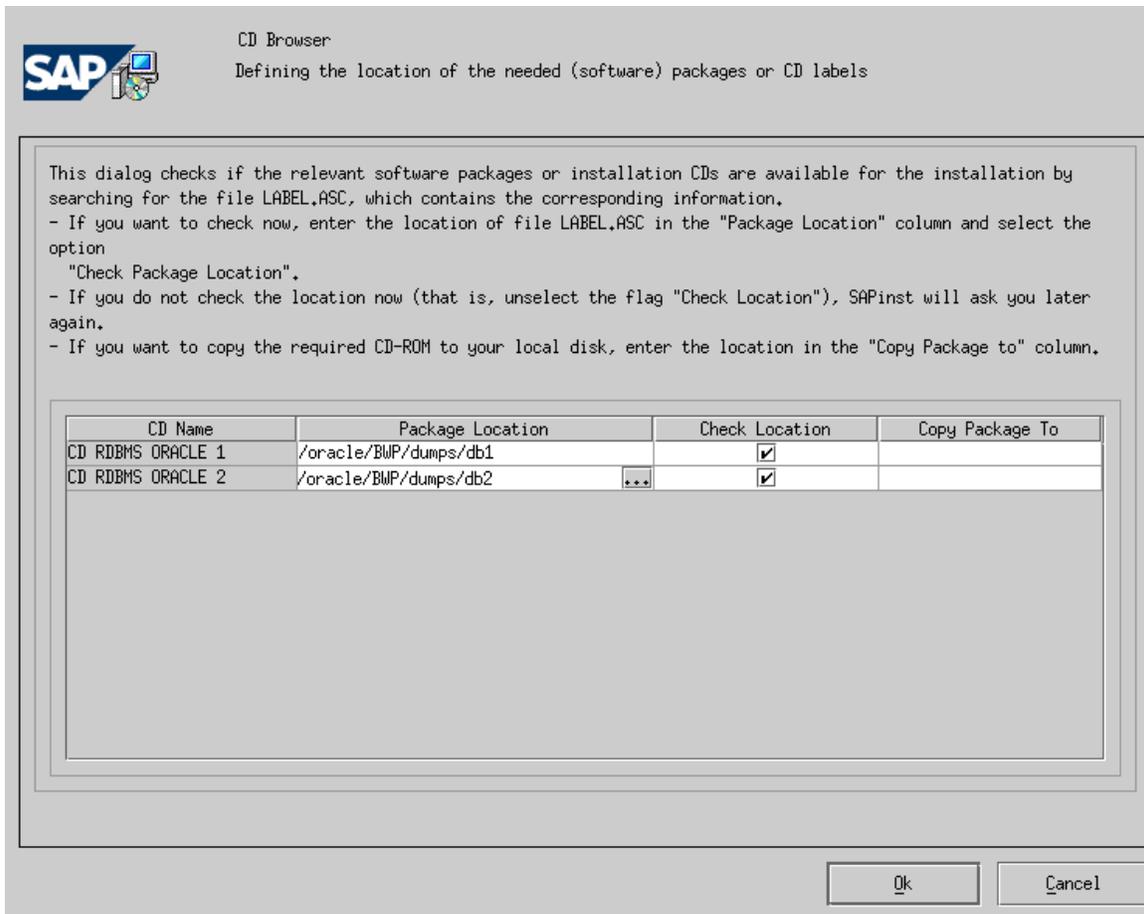
Database Hostname

Advanced Configuration - For Experts Only!

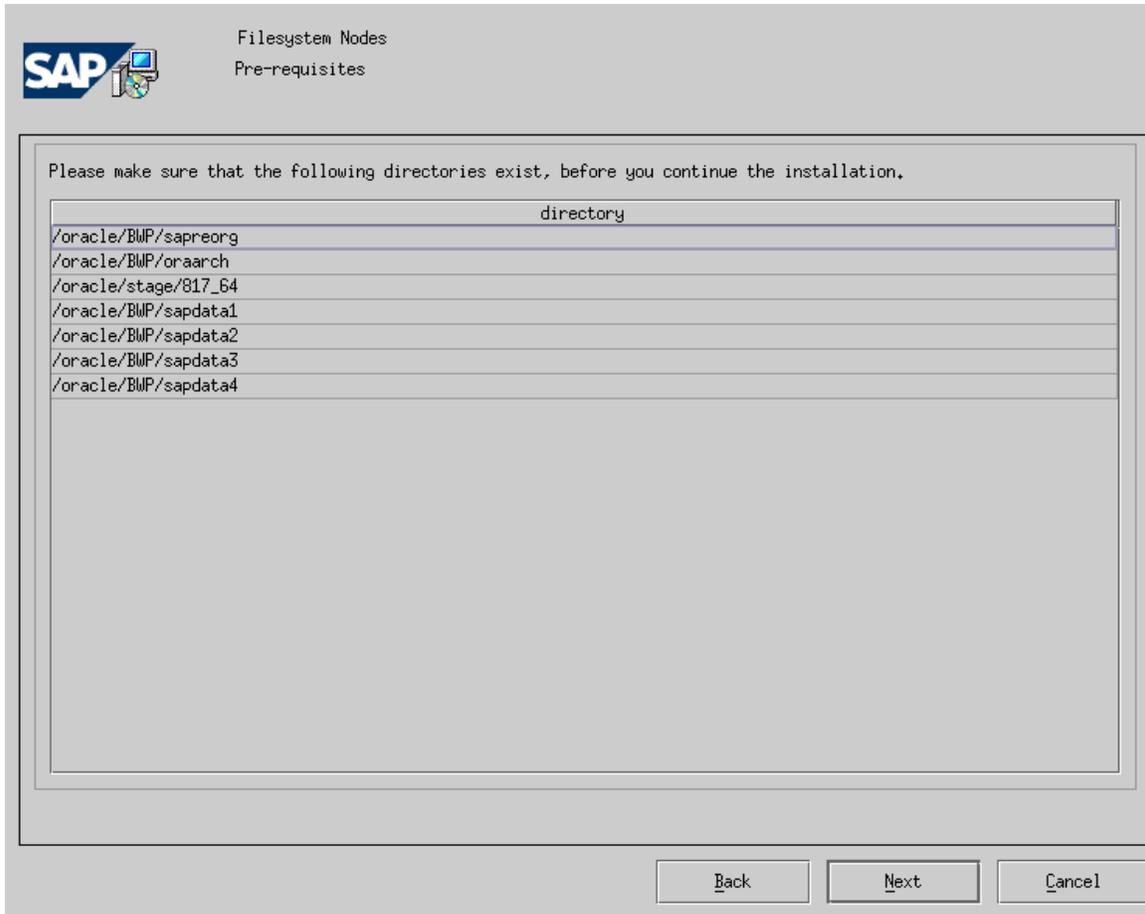
- Configure database file systems.
- Configure parameters for database creation.
- Configure rollback segment parameters.
- Configure tablespace parameters (size, location,...).



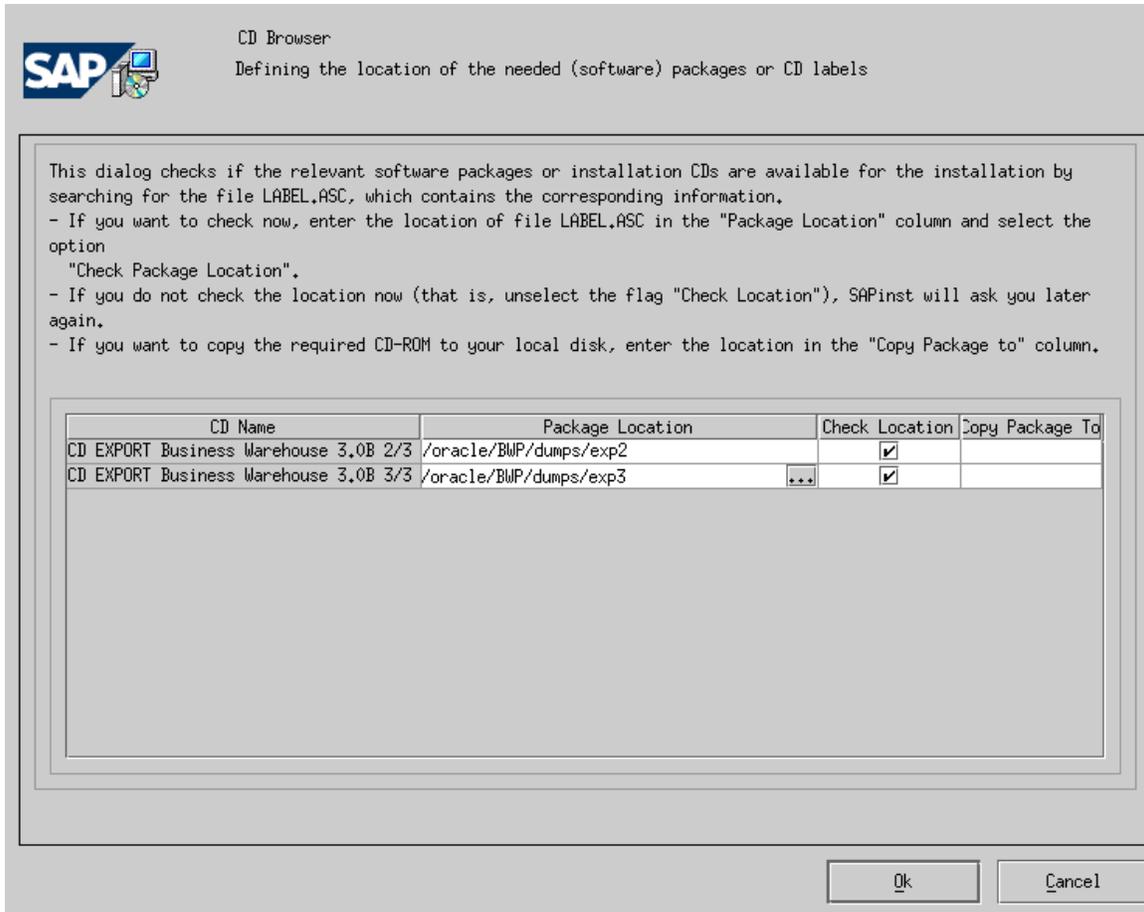
**Enter the path for export 1 cd.**



**Enter the path for RDBMS oracle cds 1& 2.**



**Confirm the following filesystem with the directories.**



**Enter the export cds 2 & 3.**

General Load Parameters



**Import Settings**

Load packages from EXPORT CD      Migration Key

Load packages from MIGRATION CD.

**Migration Export Directory**

...

**General Settings**

Load packages in alphabetical order

Load packages according to the size of their data files (largest first)

Load packages in custom order

DB code page

Number of parallel jobs

**Advanced Configuration of Packages**

Individual configuration for task file generation

Individual configuration for data load



During the installation, several database users will be created. The default passwords of the created database users will be set to new values here.

Password of database schema user:

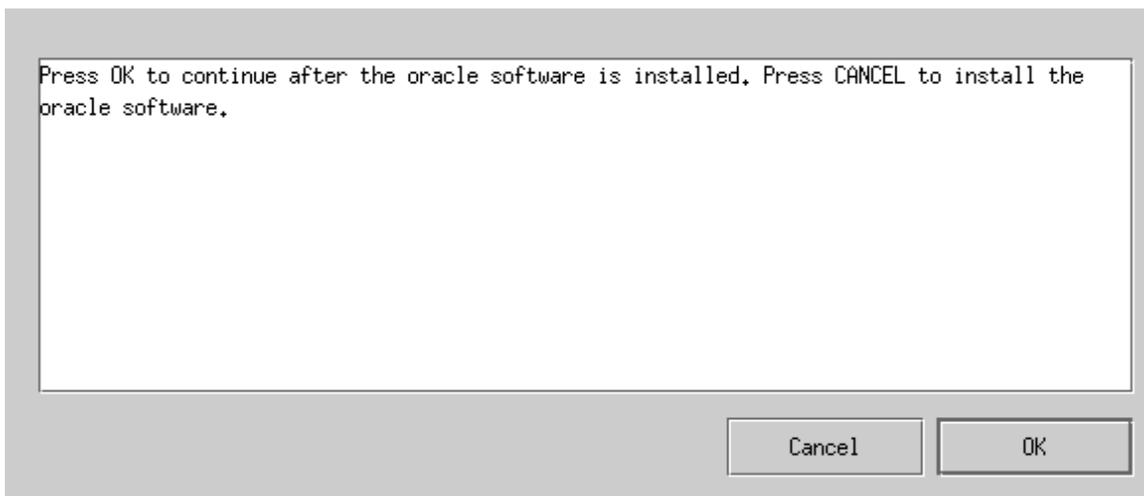
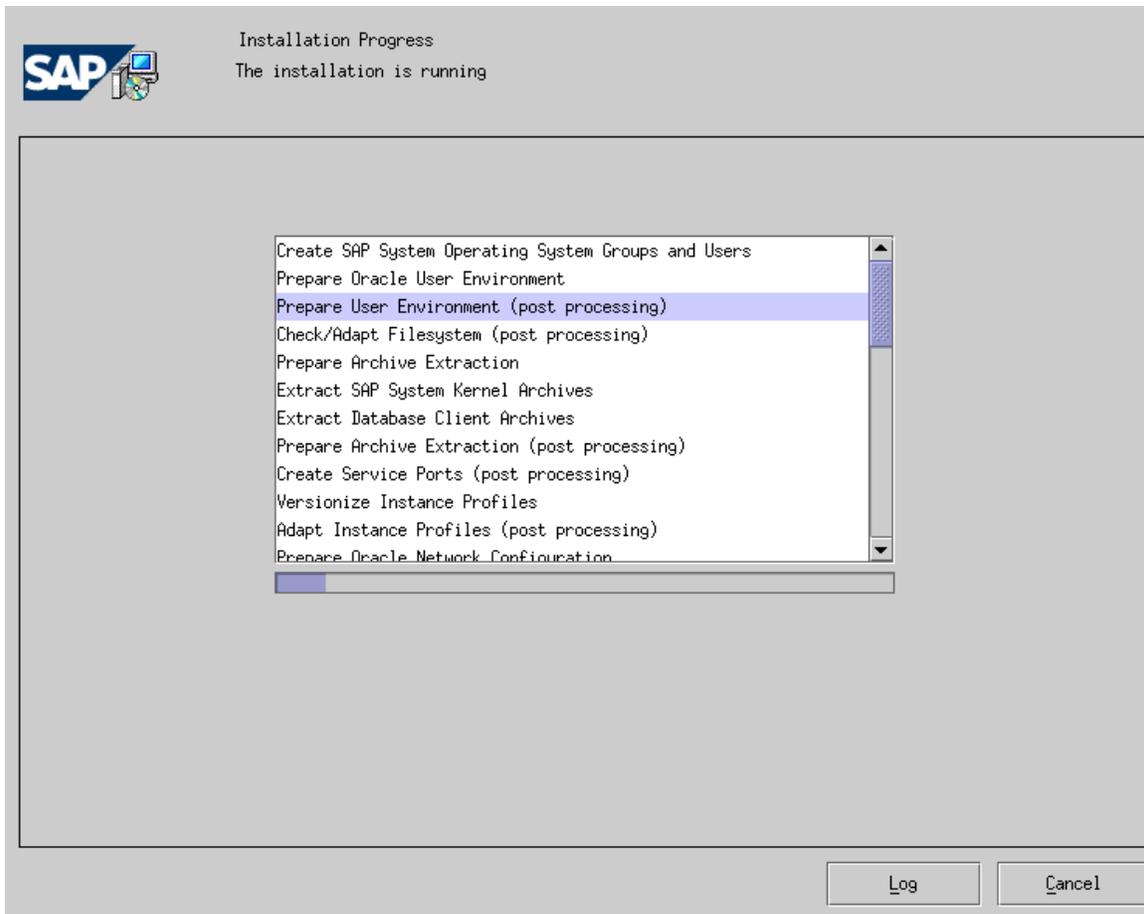
Confirm

Password of database user 'sys':

Confirm

Password of database user 'system'

Confirm



At this stage install oracle software by navigating to /oracle/stage/817\_64/Disk1 directory  
setenv DISPLAY 172.16.128.18:0.0  
Login as orabwp

```
bwprd:orabwp 8% cd /oracle/stage/817_64/Disk1/SAP
bwprd:orabwp 9% ./RUNINSTALLER
./RUNINSTALLER: Command not found
bwprd:orabwp 10% ls
CHECKS.SQL      POSTMIG.SQL    RUNINSTALLER  SAPI.SQL
MIG3264.SQL    PREMIG.SQL    SAP.SQL       SVRCUSTOM.RSP
bwprd:orabwp 11% RUNINSTALLER
bwprd:orabwp 12%
DISPLAY not set. Please set the DISPLAY and try again.
: No such file or directory

bwprd:orabwp 12%
bwprd:orabwp 12% DISPLAY=172.16.128.18:0.0;export DISPLAY
DISPLAY=172.16.128.18:0.0: Command not found
export: Command not found
bwprd:orabwp 13% setenv DISPLAY=172.16.128.18:0.0;export DISPLAY
export: Command not found
bwprd:orabwp 14% setenv DISPLAY 172.16.128.18:0.0
bwprd:orabwp 15% $DISPLAY
172.16.128.18:0.0: Command not found
bwprd:orabwp 16% █
```

bwprd:orabwp 14% setenv DISPLAY 172.16.128.18:0.0  
bwprd:orabwp 15% \$DISPLAY  
172.16.128.18:0.0: Command not found  
bwprd:orabwp 16% ./RUNINSTALLER



Available Product Components

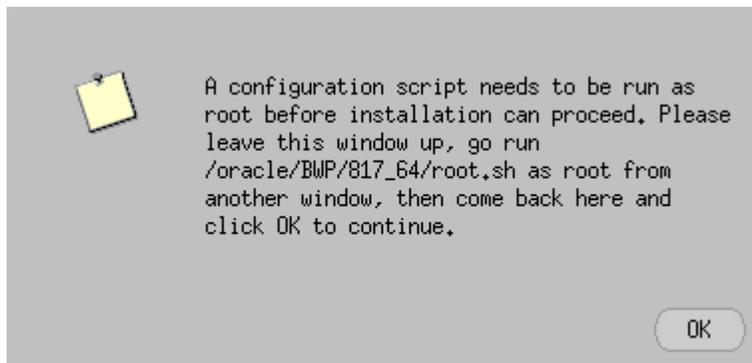
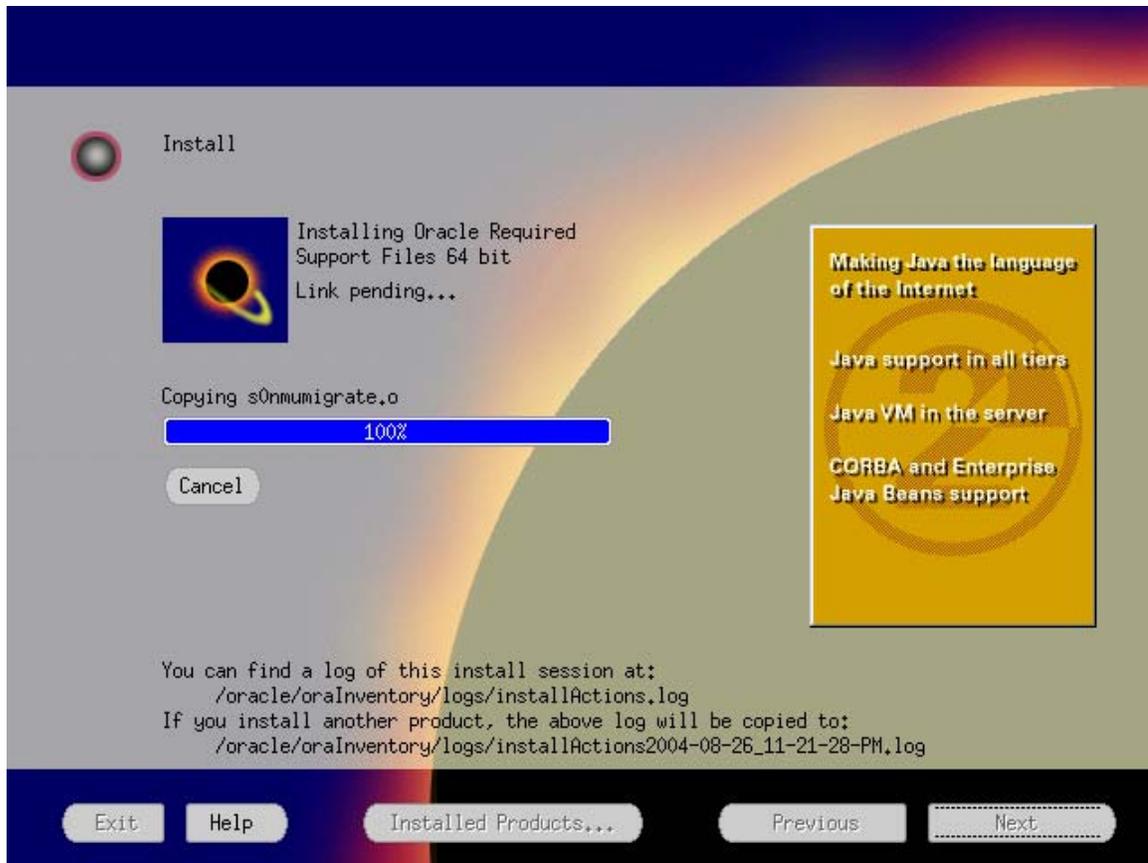
Oracle8i Enterprise Edition Product Languages...

The following are components that you can install as part of Oracle8i Enterprise Edition. Which of these components do you want to install?

Components	Install Status
<input checked="" type="checkbox"/> Oracle8i Enterprise Edition 8.1.7.0.0	New Install
<input checked="" type="checkbox"/> Oracle8i Server 8.1.7.0.0	New Install
<input type="checkbox"/> Oracle HTTP Server 1.3.12.0.1a	Not Installed
<input checked="" type="checkbox"/> Oracle Product Options 8.1.7.0.0	New Install
<input type="checkbox"/> Oracle Time Series 8.1.7.0.0	Not Installed
<input type="checkbox"/> Oracle Visual Information Retrieval 8.1.7.0.0	Not Installed
<input checked="" type="checkbox"/> Oracle Spatial 8.1.7.0.0	New Install
<input type="checkbox"/> Oracle Advanced Security 8.1.7.0.0	Not Installed
<input checked="" type="checkbox"/> Oracle interMedia 8.1.7.0.0	New Install

Show all components including required dependencies.

Exit Help Installed Products... Previous Next



At this stage you need to login as root and run root.sh script.  
Set "ORACLE\_SID=BWP;exp ORACLE\_SID

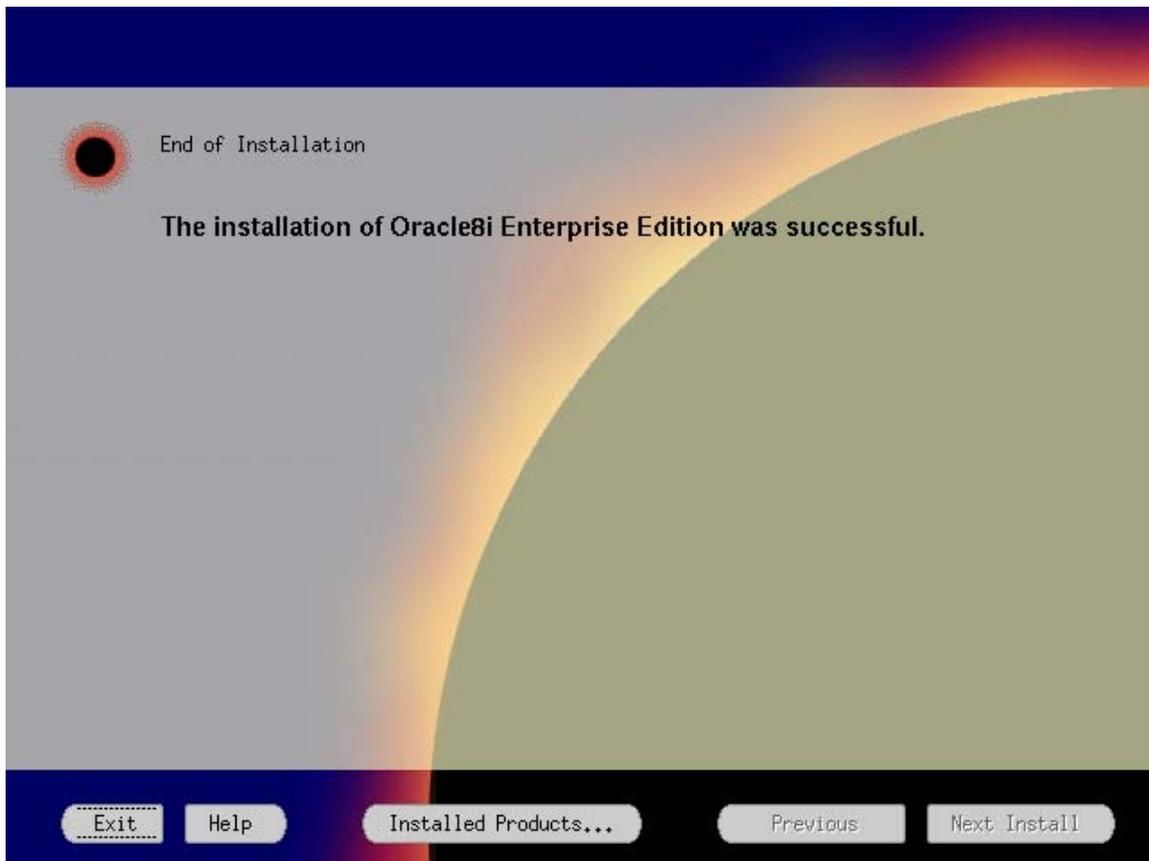
```
The following environment variables are set as:
ORACLE_OWNER= orabwp
ORACLE_HOME= /oracle/BWP/817_64
ORACLE_SID=

Enter the full pathname of the local bin directory: [/usr/local/bin]:
Adding entry to /var/opt/oracle/oratab file...
Finished running generic part of root.sh script.
Now product-specific root actions will be performed.
IMPORTANT NOTE: Please delete any log and trace files previously
                 created by the Oracle Enterprise Manager Intelligent
                 Agent. These files may be found in the directories
                 you use for storing other Net8 log and trace files.
                 If such files exist, the OEM IA may not restart.
root@bwprd # ORACLE_SID=BWP ;export ORACLE_SID
root@bwprd # /oracle/BWP/817_64/root.sh
Running Oracle8 root.sh script...

The following environment variables are set as:
ORACLE_OWNER= orabwp
ORACLE_HOME= /oracle/BWP/817_64
ORACLE_SID= BWP

Enter the full pathname of the local bin directory: [/usr/local/bin]: █
```

Now press the OK button on response window



To check oracle is installed successfully

Login as orabwd

Svrmgrl>connect internal  
Connected

If this works the installation has finished successfully.

After this start the installation of oracle patches by navigating the following procedure

```
you use for storing other Net8 log and trace files.  
If such files exist, the OEM IA may not restart.  
root@bwprd #  
root@bwprd #  
root@bwprd #  
root@bwprd #  
root@bwprd # su - orabwp  
Sun Microsystems Inc. SunOS 5.9 Generic May 2002  
bwprd:orabwp 1% cd /oracle/stage/817_64/Disk1  
bwprd:orabwp 2% ls -ltr  
total 38  
-rwxrwxr-x 1 orabwp dba 635 Apr 25 2001 runInstaller  
drwxrwxr-x 2 orabwp dba 512 Apr 25 2001 lsm  
drwxrwxr-x 4 orabwp dba 512 Apr 25 2001 install  
drwxrwxr-x 2 orabwp dba 512 May 17 2001 response  
drwxrwxr-x 2 orabwp dba 512 May 23 2001 opspatch  
drwxrwxr-x 2 orabwp dba 512 May 23 2001 oidupgrade  
drwxrwxr-x 2 orabwp dba 512 May 23 2001 acroread  
-rwxrwxr-x 1 orabwp dba 8282 May 23 2001 index.htm  
drwxrwxr-x 8 orabwp dba 512 May 23 2001 doc  
drwxrwxr-x 2 orabwp dba 512 Jun 7 2001 SAP  
drwxrwxr-x 7 orabwp dba 512 Aug 26 23:22 stage  
bwprd:orabwp 3% cd SAP  
bwprd:orabwp 4% ./RUNINSTALLER
```

chmod -R 777 /oracle & then change it to 771

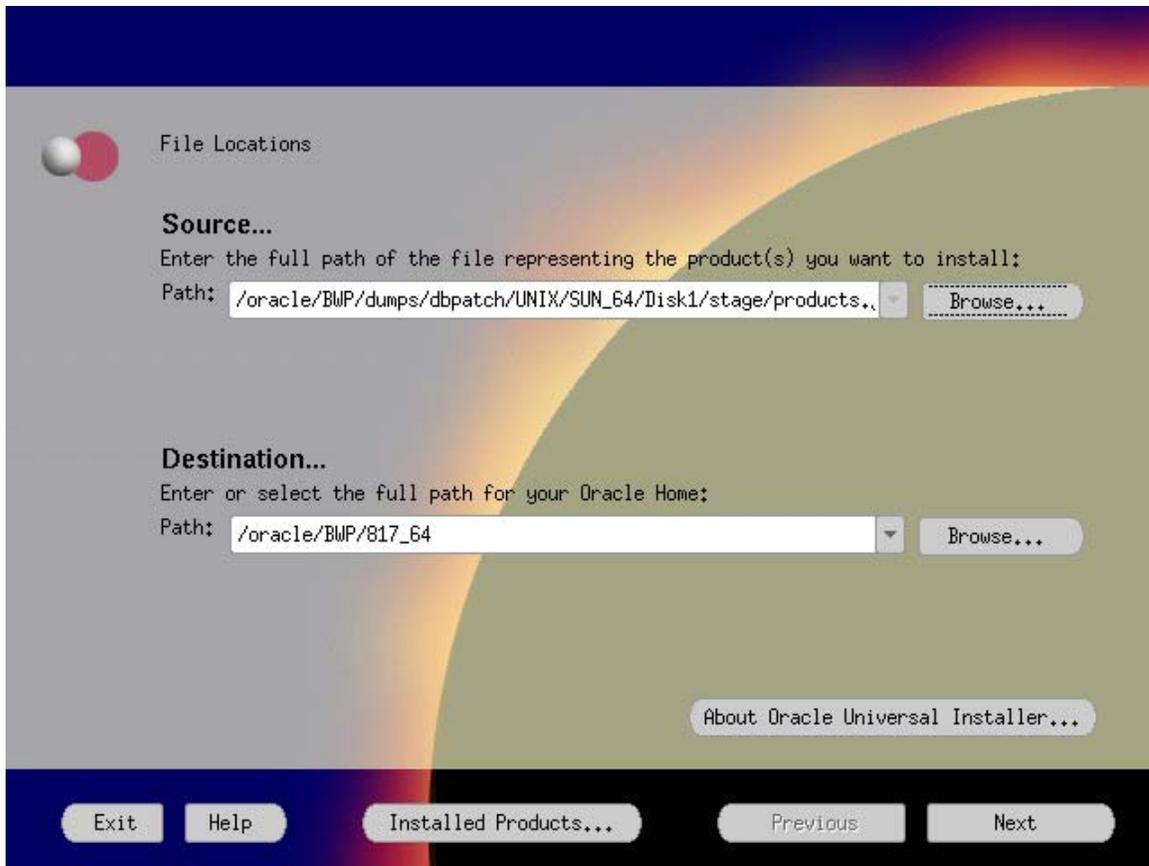
To extract the patches go to /oracle/BWP/dumps/dbpatch/UNIX/SUNOS\_64

Tar -xvf 8174\_sparc64.tar

It will extract the files into

/oracle/BWP/dumps/dbpatch/UNIX/SUNOS\_64/Disk1/stage

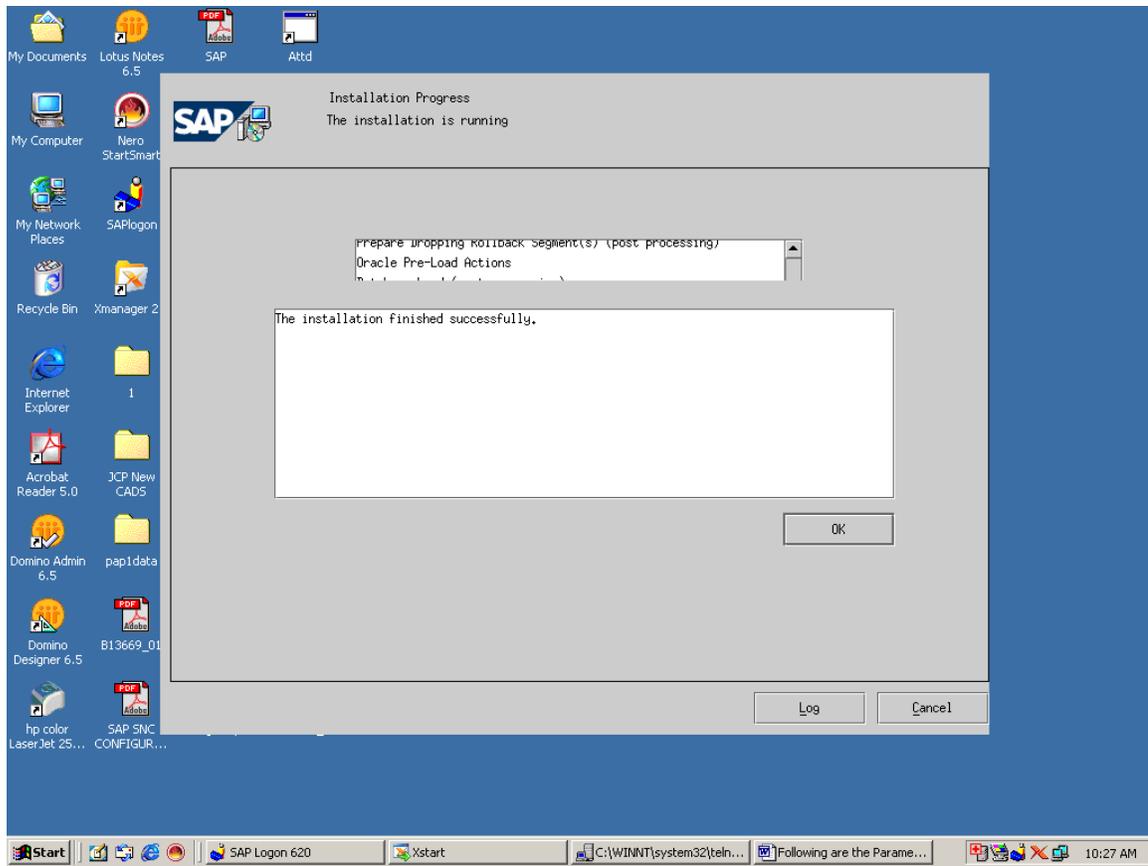
Here you find the products.jar.



Say "NEXT"



Now Oracle and Patches has been installed . Press Ok button on DB instance installation window.



## POST INSTALLATION.

- **BACKUP THE COMPLETE SYSTEM**

- **Starting and Stopping the SAP System**

You have signed on to the SAP system hosts as user <sapsid>adm.

To start and stop your SAP system, the scripts `startsap` and `stopsap` in the `exe` directory are used.

- **Logging on to the SAP System**

User	Initial Password	Clients where User Exists
SAP*	06071992	000, 066
DDIC	19920706	000

## • Installing and Using the SAP License

Temporary license is installed for 4 weeks.

Apply for permanent license.

### • Checking the installation.

The login terminates with Sick command ,Run SICK transaction It messages that the present kernel is not compatible with the current SUNOS operating system.

For this we need to upgrade the kernel.

Login to [service.sap.com/patches](http://service.sap.com/patches) → BW → Kernel 6.20 → SAPEXE\_1027-10001699.SAR

Now shutdown the Instance & database .

Also stop saposcol to upgrade the kernel files by command saposcol -k  
You need to backup the existing kernel /sapmnt/BWP/exe.

Uncar the kernel sar files & replace with the existing kernel /sapmnt/BWP/exe  
Now run sick transaction Result : NO ERRORS REPORTED.

### • Configure STMS.

Before applying patches configure STMS with transaction STMS.

### • STANDARD JOBS.

BEFORE APPLYING PATCHES DEFINE STANDARD JOBS  
RUN TRANSACTION SM36 → standardjobs → default scheduling → save

### • APPLYING PATCHES.

Patches to be Installed : For requirement of SEM –BW 3.0b installation

- 1.SPAM/SAINT version 16
- 2.ABAP Atleast 15
3. BASIS Atleast 18
- 4.SAP\_BW Atleast 16
5. PI\_BASIS Atleast 2003\_1\_620 PL 1-6
6. FINBASIS Atleast 7
- 7.SEM-BW Atleast 7

Before applying patches add the following RZ10 in instane parameter  
“rdisp/max\_wprun\_time” = 6000

Start applying LATEST SPAM from service.sap.com /patches  
The file name for the patch is KD620<no>.car

A .Download this car file & paste it usr/sap/trans directory

B Run SAPCAR –xvf <car or sar file>  
Eg SAPCAR –xvf KD62016.CAR

You need to download the patches for  
ABAP,BASIS,SAP\_BW,PI\_BASIS(levels),FINBASIS,SEM-BW.

For proper dowload of patches navigate to <http://service.sap.com/swdc>

Navigate to Download→support package & patches→my application  
component→SAPBW→SAPBW3.0B→BWSERVER & select the appropriate  
patches.(CAR files)

Note that this are patches & not installation ,only applied using transaction SPAM .  
For installation of DELTA UPGRADE of PI\_BASIS one needs to navigate to  
Download→support package & patches→installation & upgrades→my application  
component→SAPBW→SAPBW3.0B→BWSERVER  
& download the installation (SAR files) . To apply this installation RUN transaction  
SAINT.

After downloading CAR & SAR files copy all this files in trans directory.  
Execute transaction SAPCAR –xvf <filename>

This will get extracted in /eps/in folder.

Now run SPAM/SAINT transaction  
Click on support package→loadpackage→from application server  
This will browse the /eps/in folder & files will be uploaded.

To import a patch  
Login with 000 client with a user other than sap\* & ddic.  
Click on display /define ,select the patch that need to be imported  
Read the patch note 447925 standard note.

For importing INSTALLATION patch login to 000 client with transaction saint.

Eg of installation of PI\_BASIS 2003\_1\_620

Login & see your current patch if it is PI BASIS 2002\_1\_620

Then to install 2003\_1\_620 installation you need to have levels of 2002\_1\_620 to be updated,next delta of pi basis 2002\_2\_620,next levels of pi basis 2002\_2\_620,next delta of pi basis 2003\_1\_620 & then its levels. This is the sequence you need to apply. The levels are patches which is applied through spam & the installation are applied through saint.

For spam/saint update go to spam transaction →import spam/saint.

- **J2EE CHECK.**

Check your J2EE connection is successful by running transaction SMICM  
Or <http://<hostname>:50000> .If this results j2ee screen then j2ee is working.

- **Configuring the no of work process.**

Adjust the no of Dialog,background,spool,enqueue,spool,up1,& up2

```
:dialog_WP = RAM / 256 (min 2, max 18)
:update_WP = RAM / 768 (min 1, max 6)
:update2_WP = RAM / 1024 (min 1, max 3)
:batch_WP = RAM / 1024 (min 2, max 3)
:enqueue_WP = 1
:spool_WP = 1
```

- **Directory Changes.**

After Installation Change the permission of directory trans to 771

Log on as user root on the host that exports the transport directory.

Enter:  
`chmod 771 /usr/sap/trans`

\*\*\*\*\*

Credits to the Original Uploader in AF and thanks to the person involved in making this wonderful documentation with screenshots.

*Converted to PDF by Jimstex for [SAP Database – Unofficial SAP Knowledge Base](#)*