

APPLIES TO:

Installation of SAP on Windows 2003 server Enterprise Edition Oracle as Database.

SUMMARY

This article explains how to navigate the market place (www.service.sap.com).

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COMPANY:

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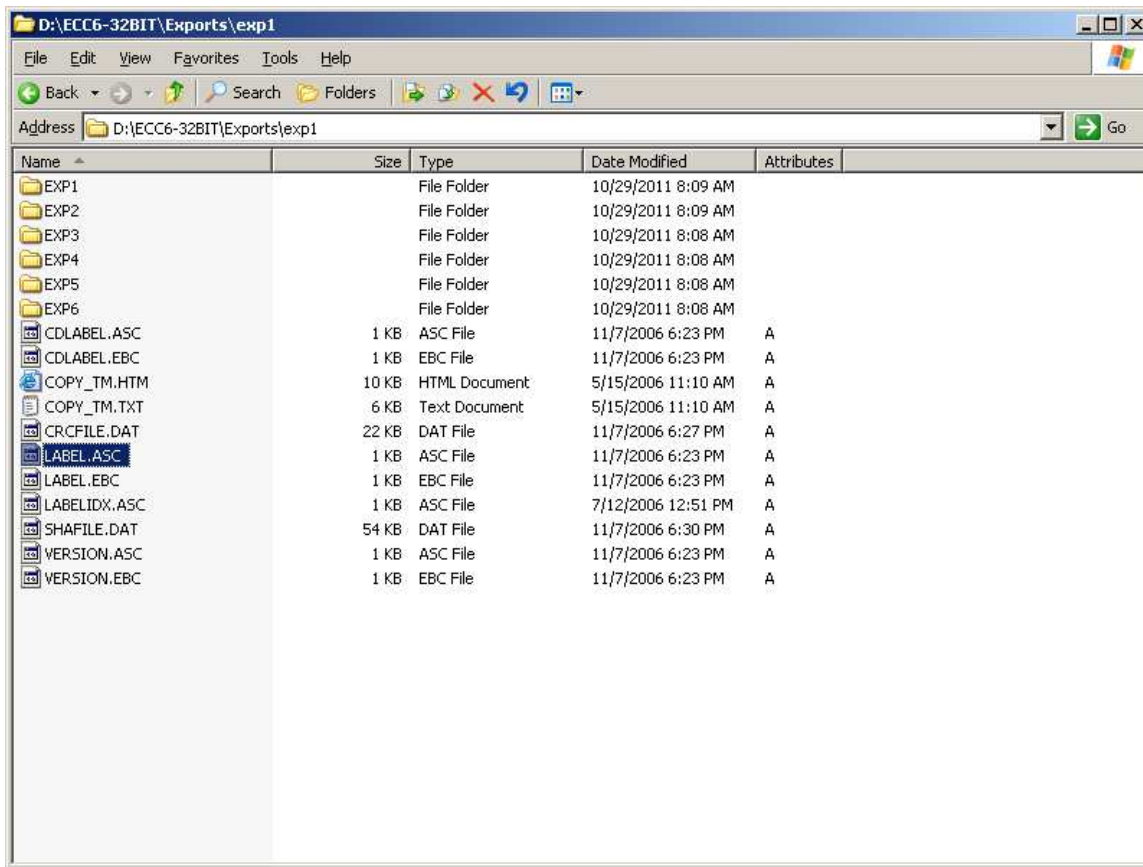
Pre-Requisites for SAP installation.

Software required:

- OS and related Patches.
- DB and related Patches.
- Java runtime Environment.
- SAP software
 - * Installation Master DVD.
 - * SAP Kernel.
 - * SAP Exports DVD's
 - * SAP Java Components.
 - * SAP GUI

PROCEDURE:

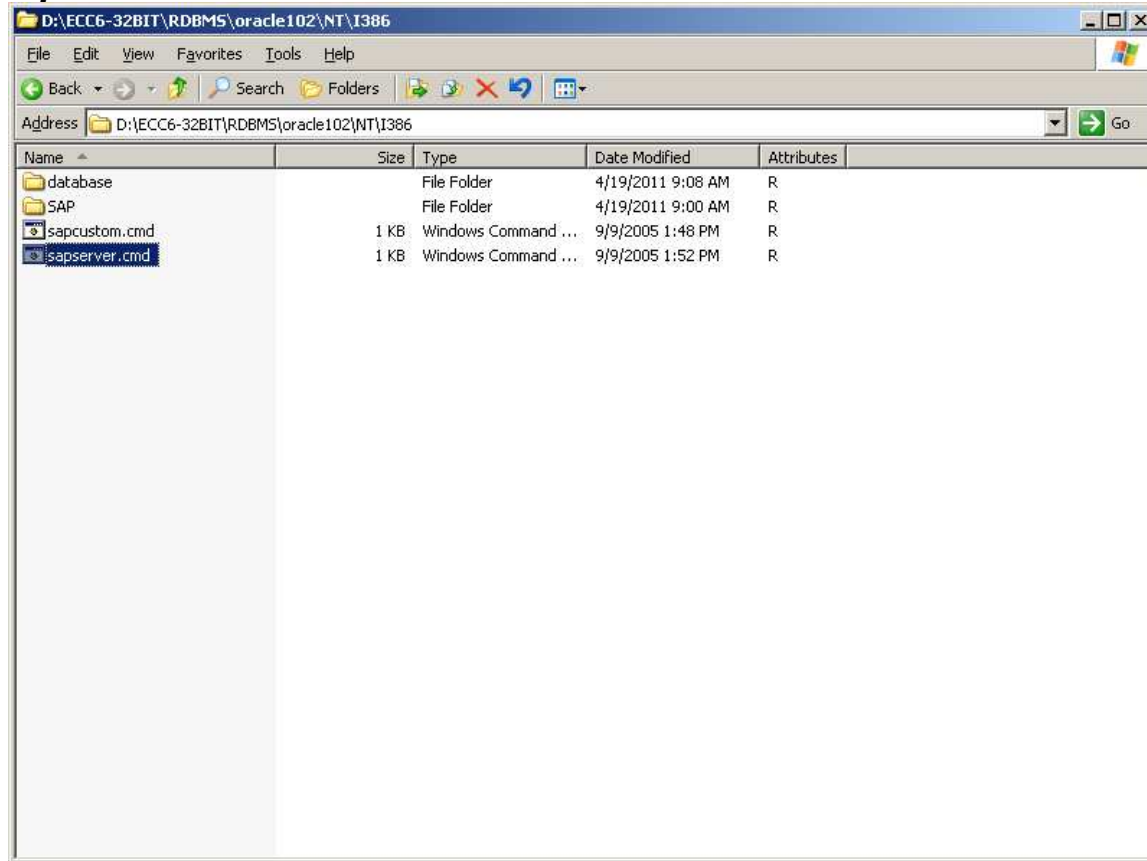
1. Download the installation guides from service market place.
www.service.sap.com/instguides.
2. Ensure that Hardware is procured based on sizing results.
www.service.sap.com/sizing
3. Download the software from market place. www.service.sap.com/swdc.
4. Ensure that correct software is procured based on "*label.asc*".



5. Install Operating System and related patches.

6. Install Database and related patches.

Navigate to the location where dump is copied into and open the folder I386 and click enter on **sapserver.cmd**



As soon as we click on this a pop up box is prompted as below.

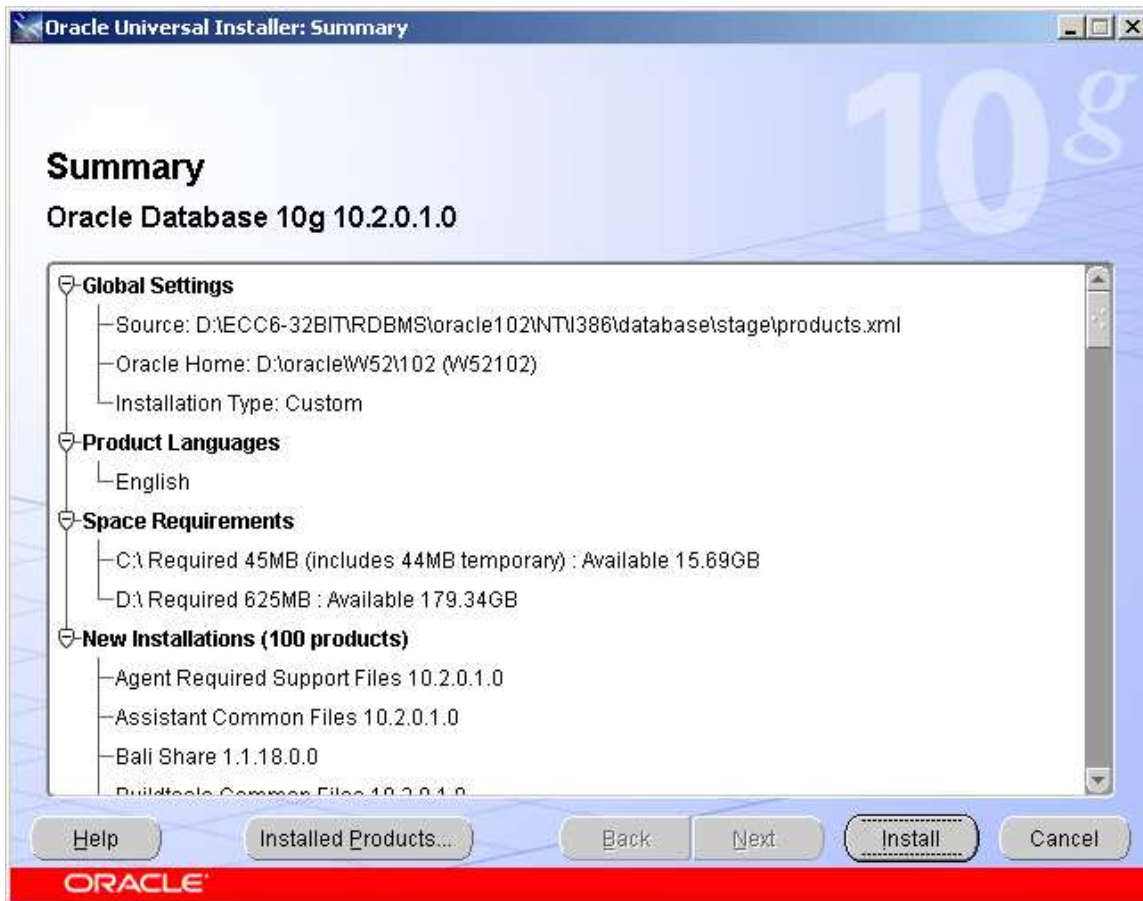


Specify the drive to install the DATABASE software.

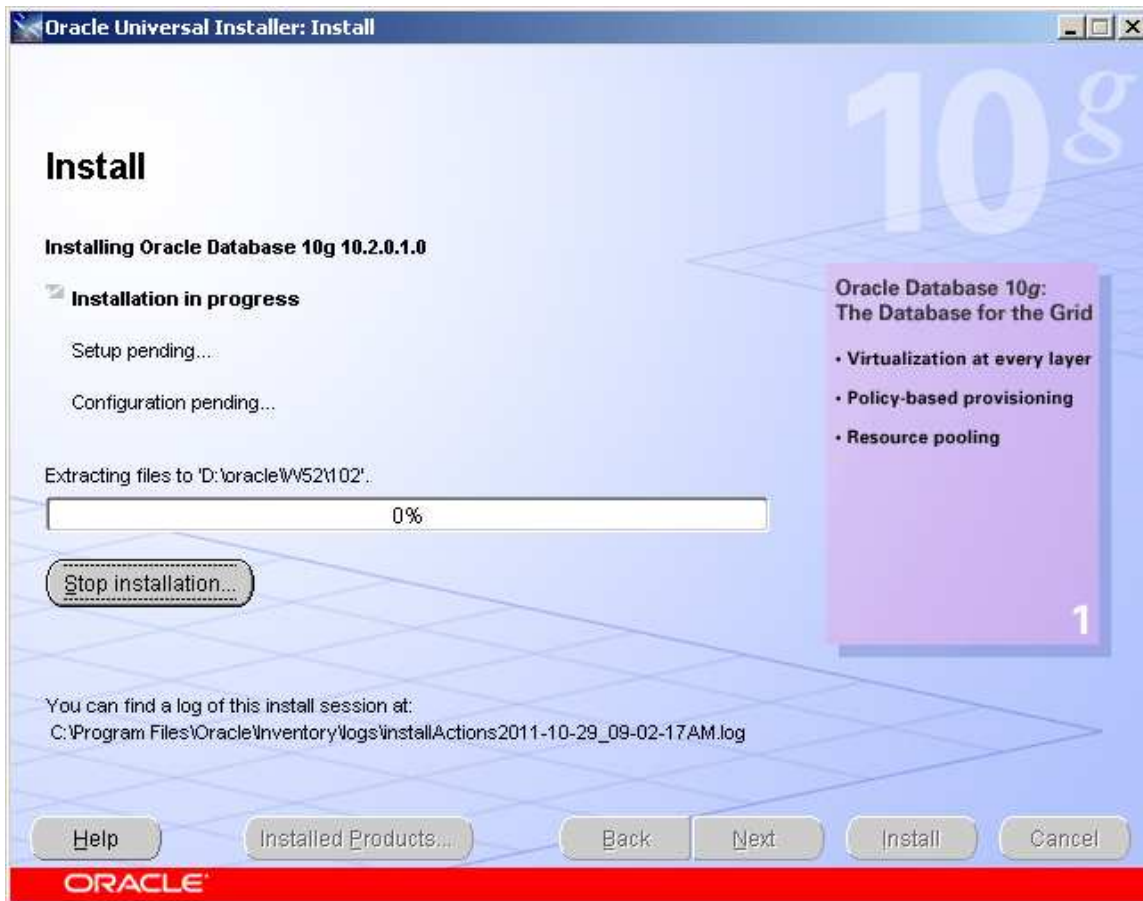


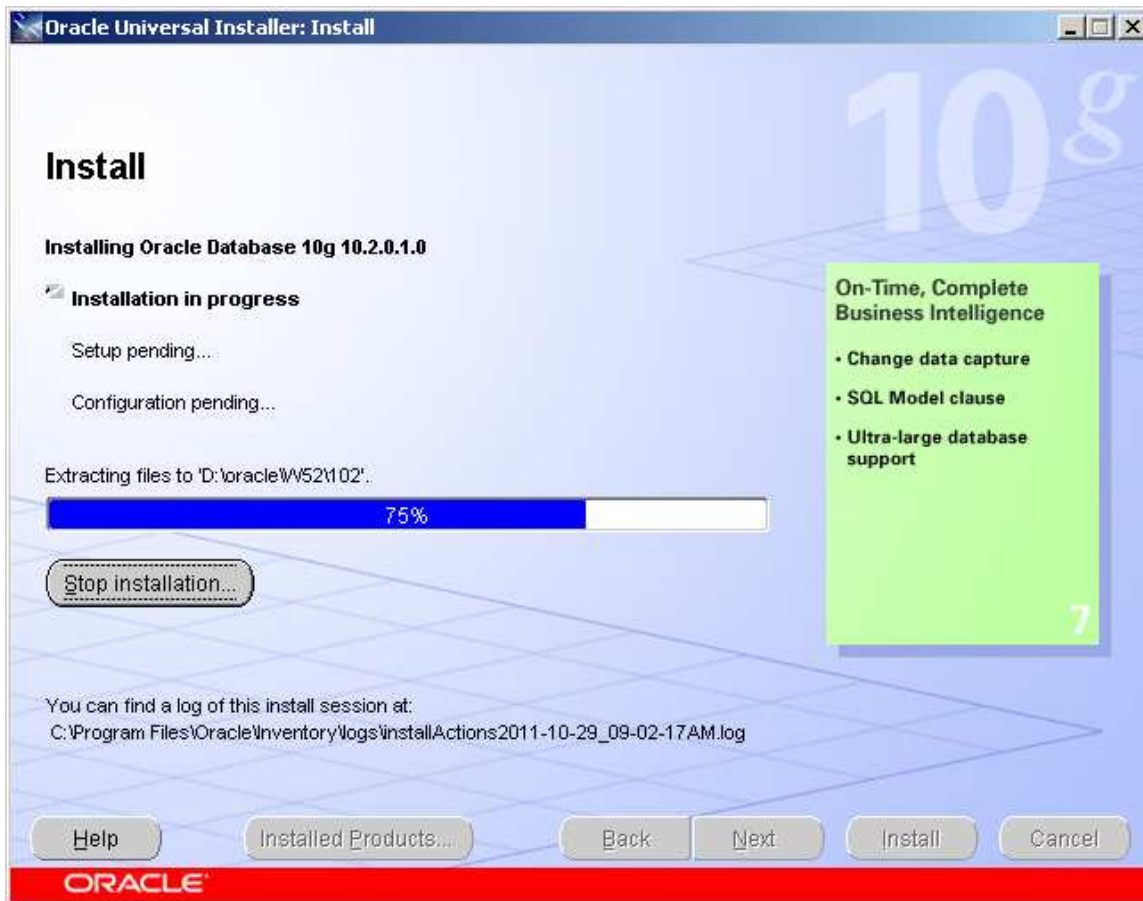
```
C:\WINDOWS\system32\cmd.exe
Specify the drive letter of the local disk where
you want to install the Oracle Software
Local Disk Drive [C:]: D:
SID (consists of 3 alphanumeric characters,
starting with a letter (a..z)): W52
```

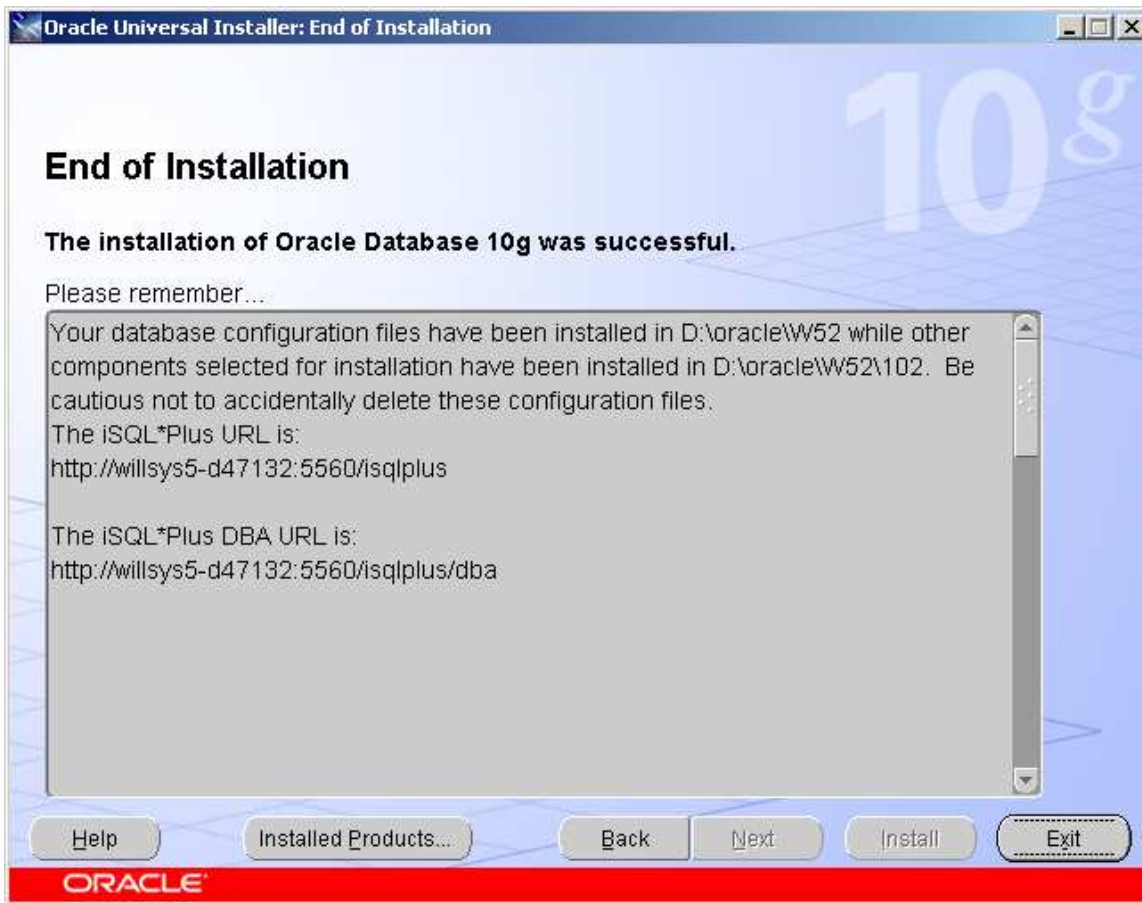
Specify the database SID.



CLICK ON INSTALL TAB



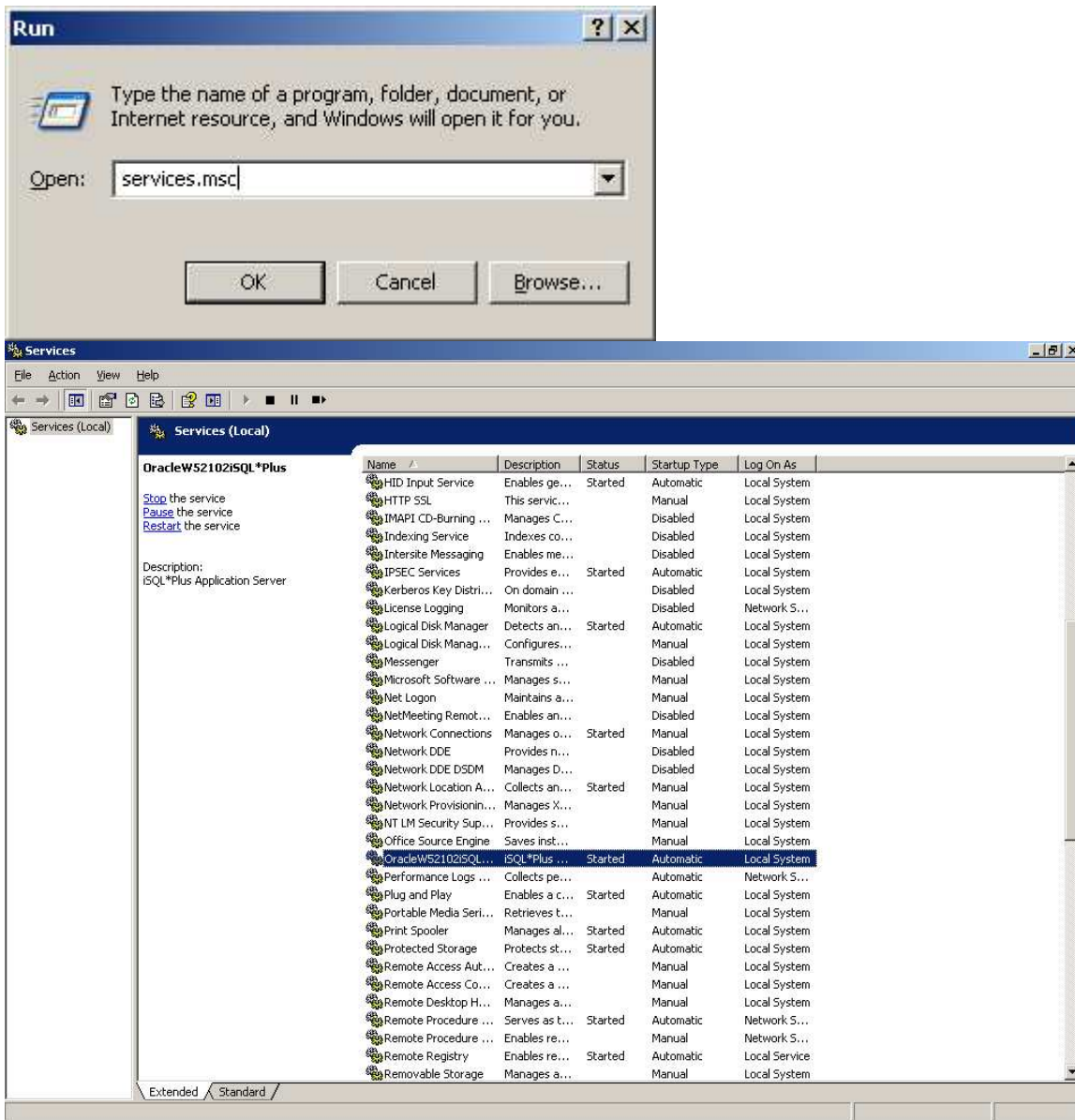




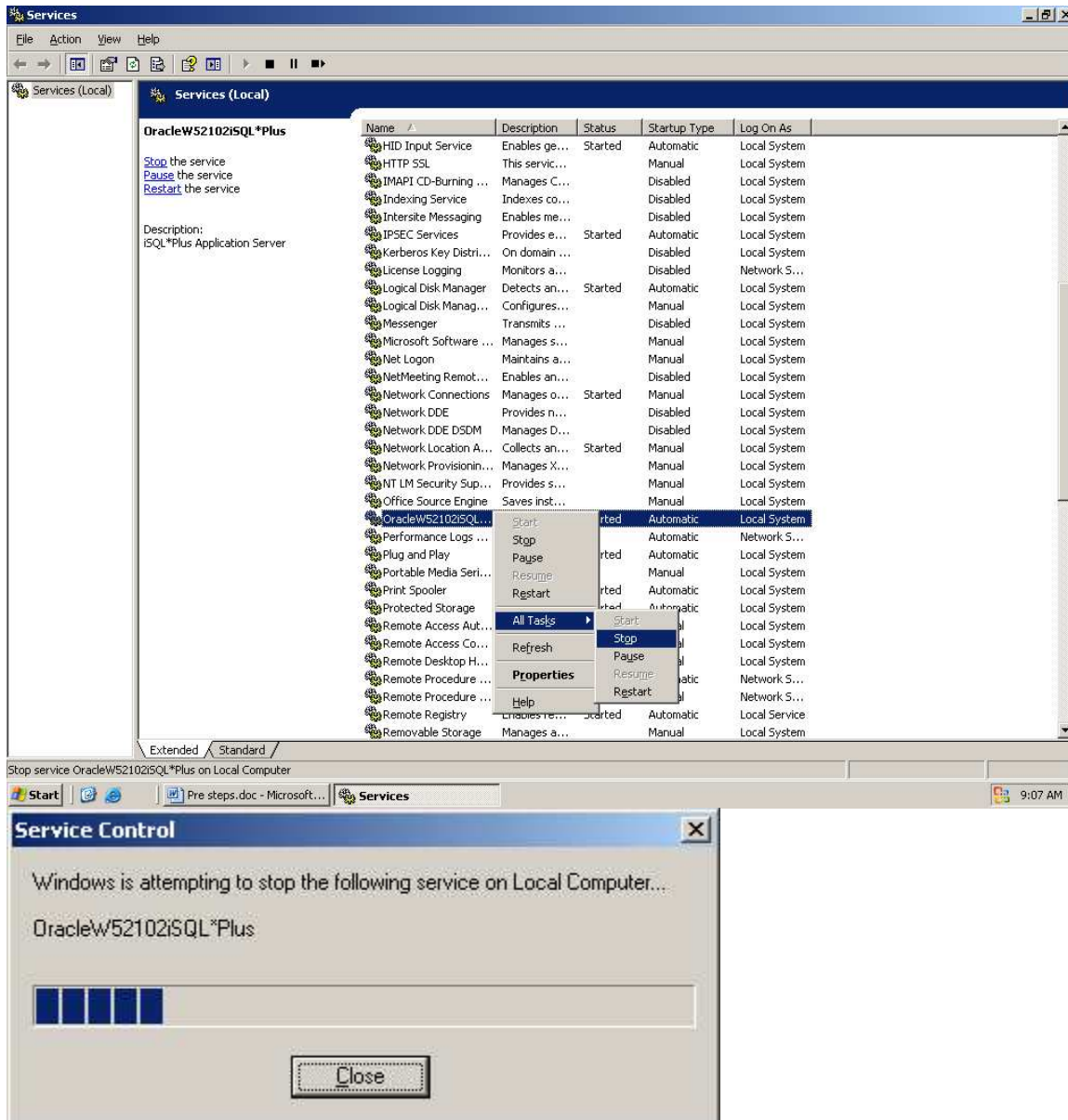
RDBMS is installed... now apply the patch.

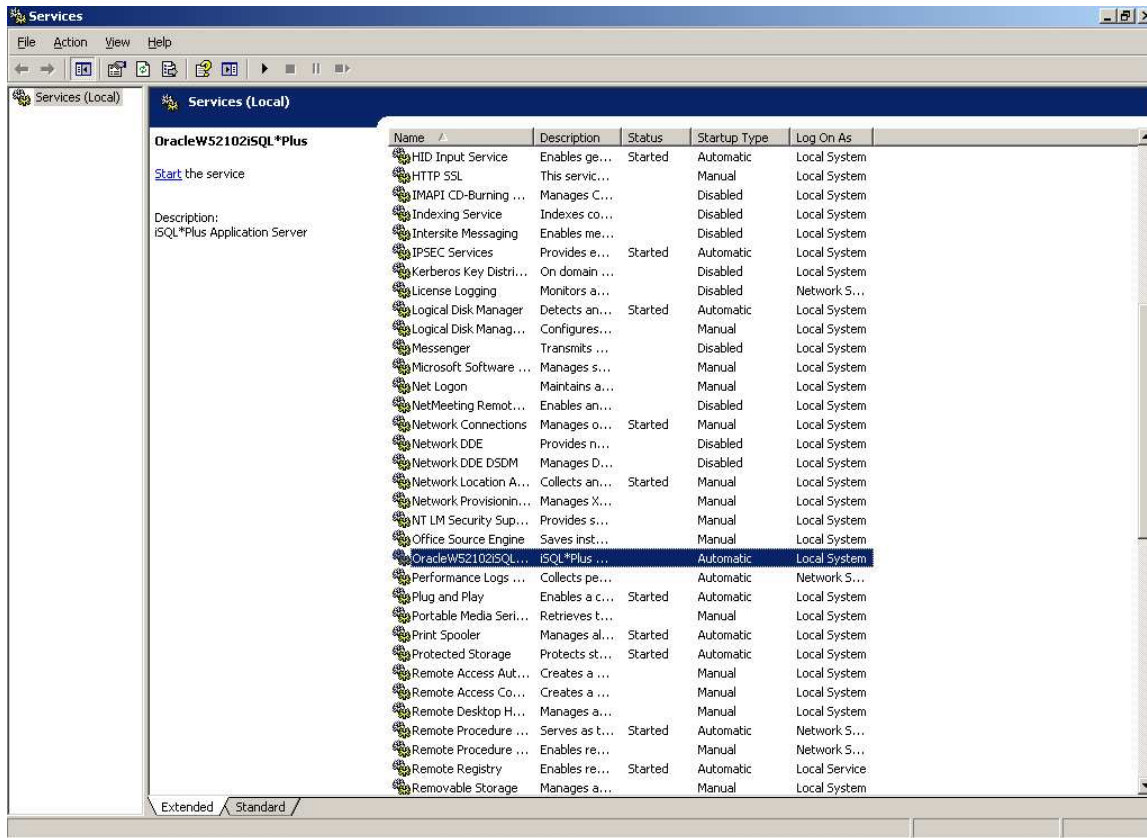
Before applying the oracle patch, stop the database services.

Run → services.msc



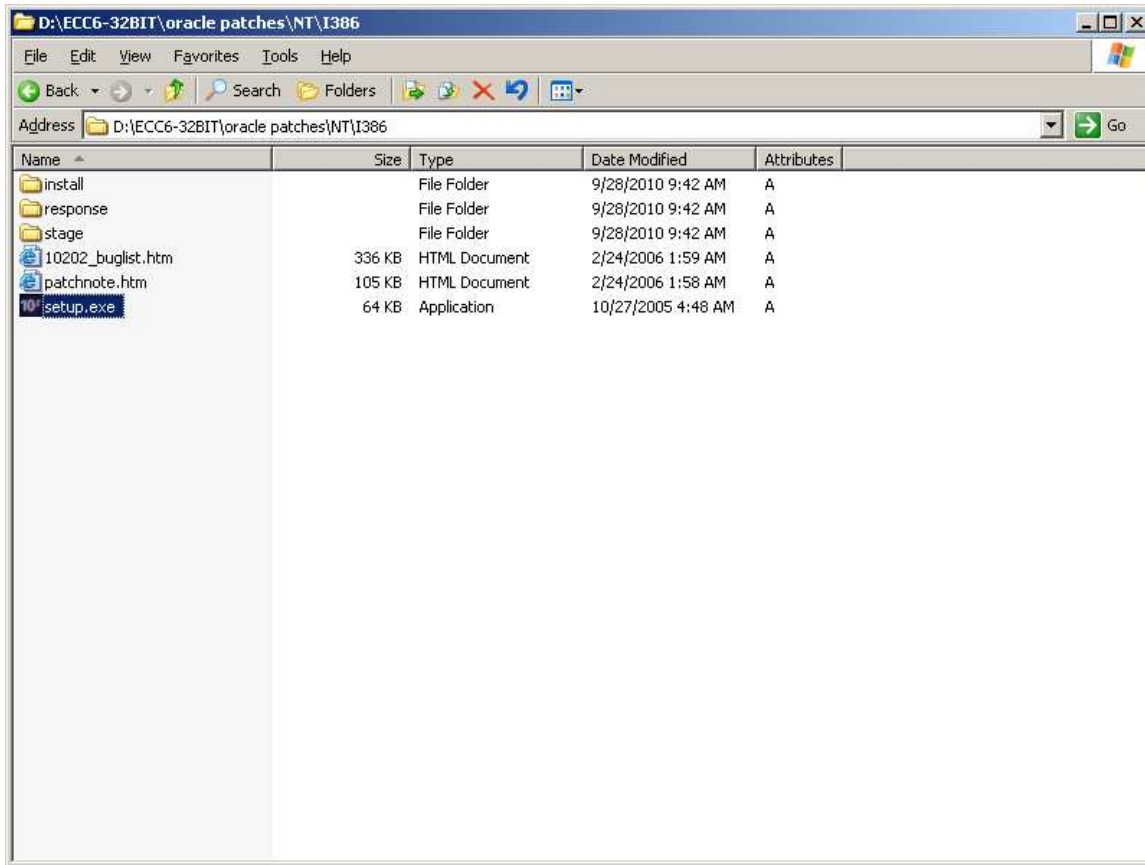
Select the service and stop it.

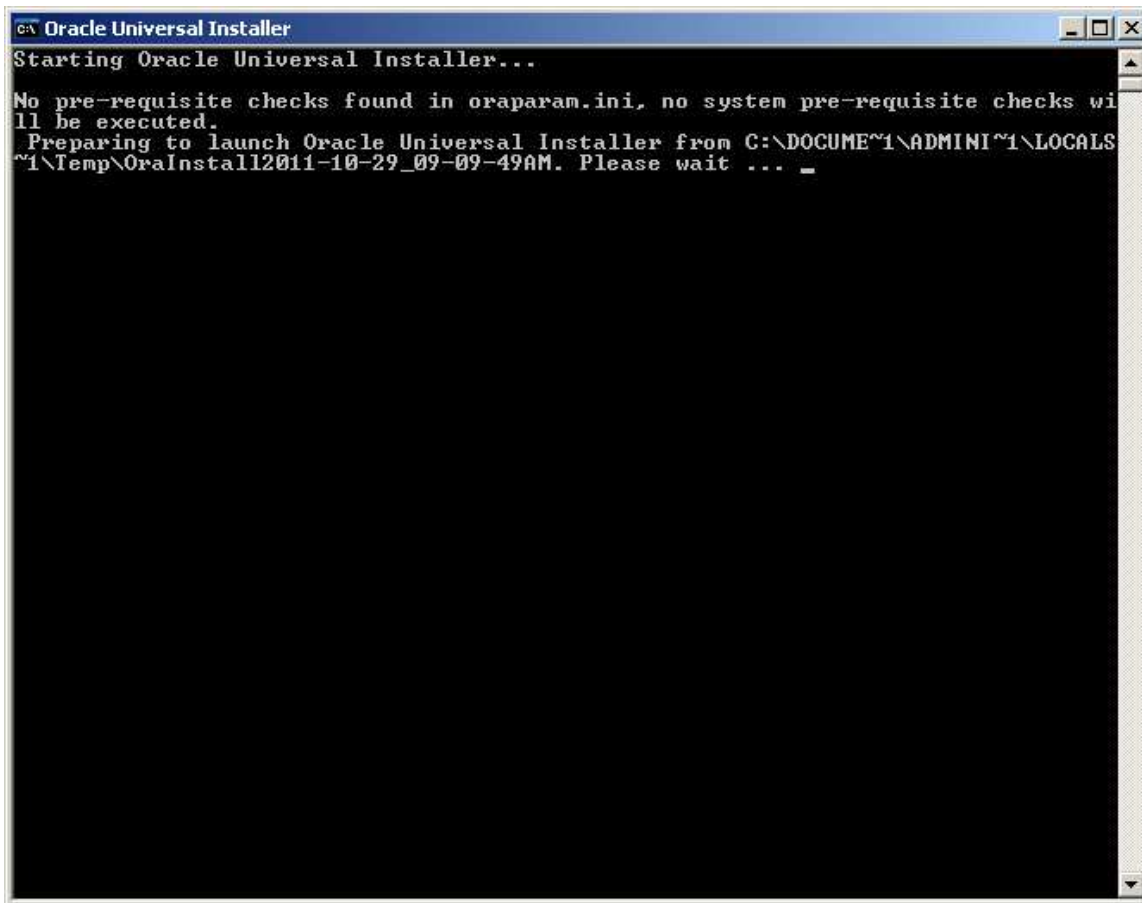




Now apply the patch

Navigate to the folder and enter setup.exe

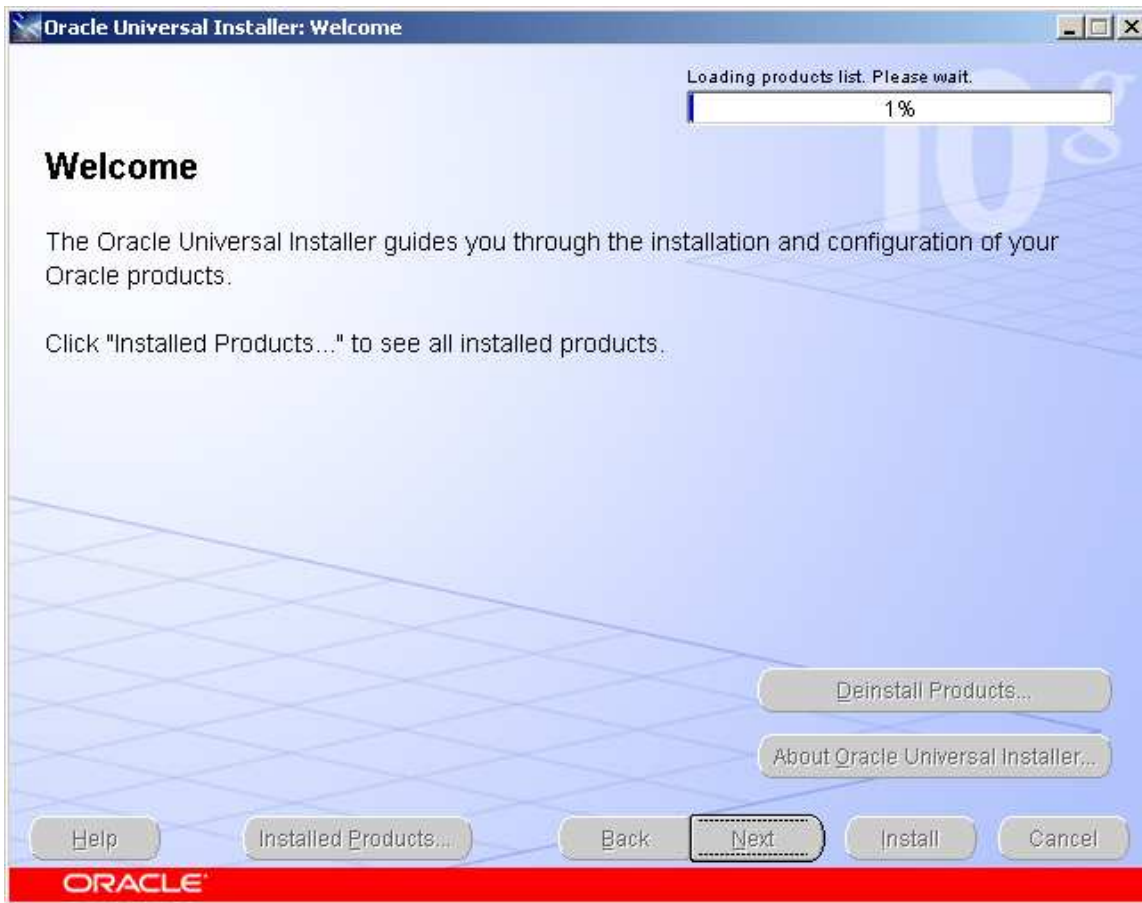




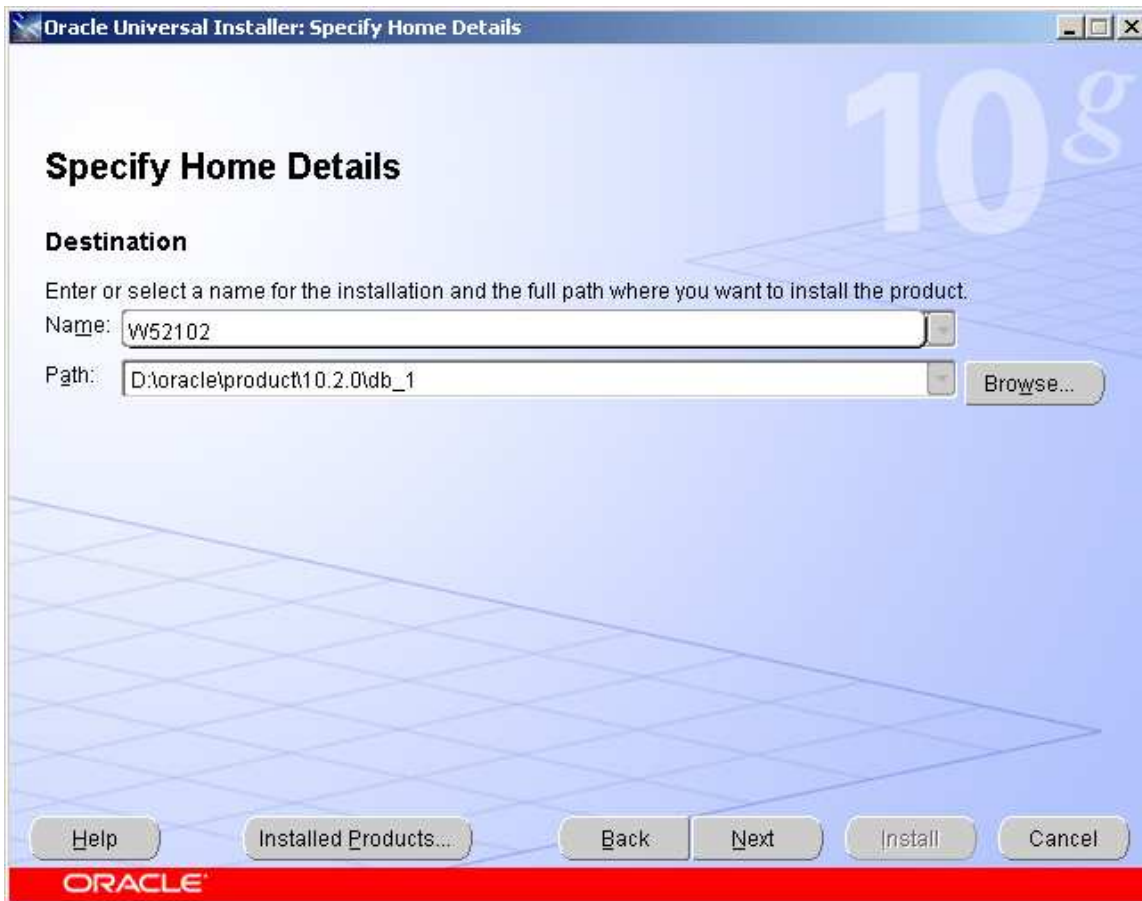
```
Oracle Universal Installer
Starting Oracle Universal Installer...

No pre-requisite checks found in oraparam.ini, no system pre-requisite checks will be executed.
Preparing to launch Oracle Universal Installer from C:\DOCUME~1\ADMINI~1\LOCALS~1\Temp\OraInstall12011-10-29_09-09-49AM. Please wait ... _
```

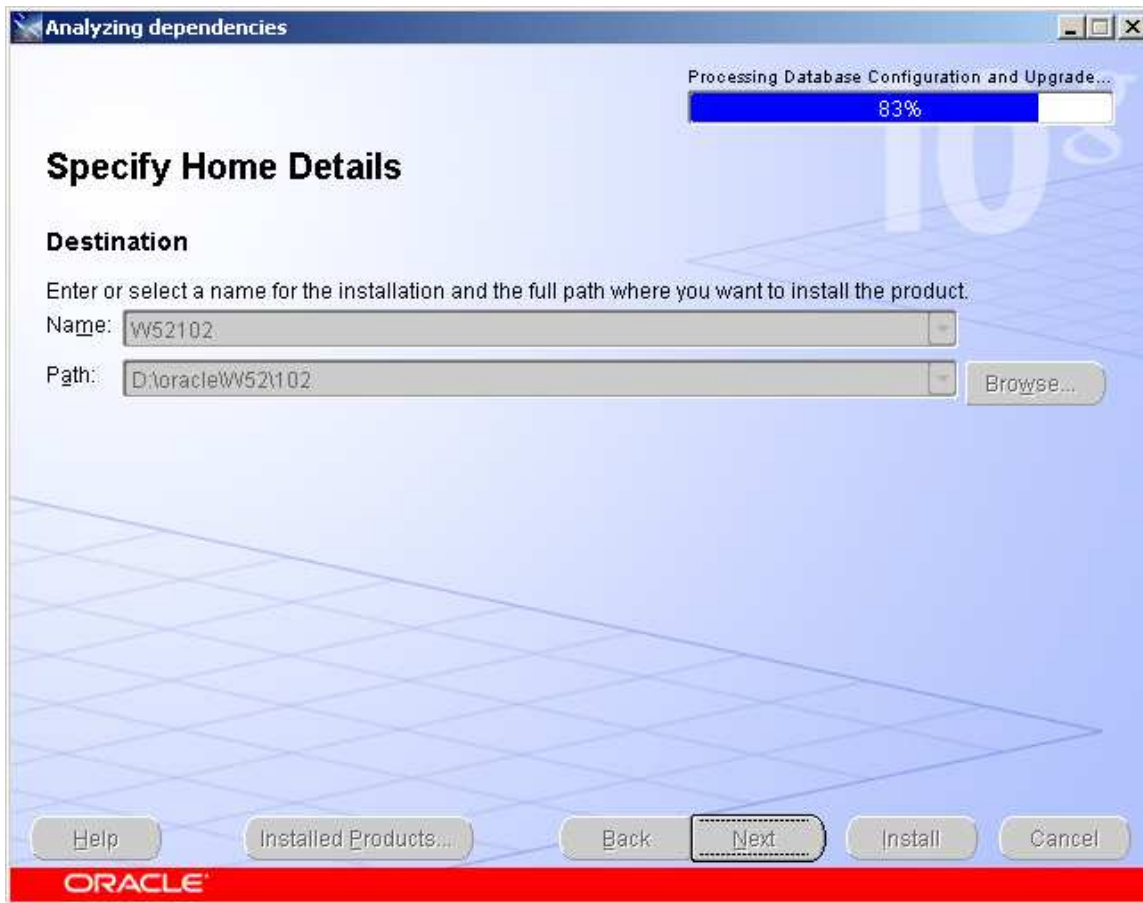


Click on next.

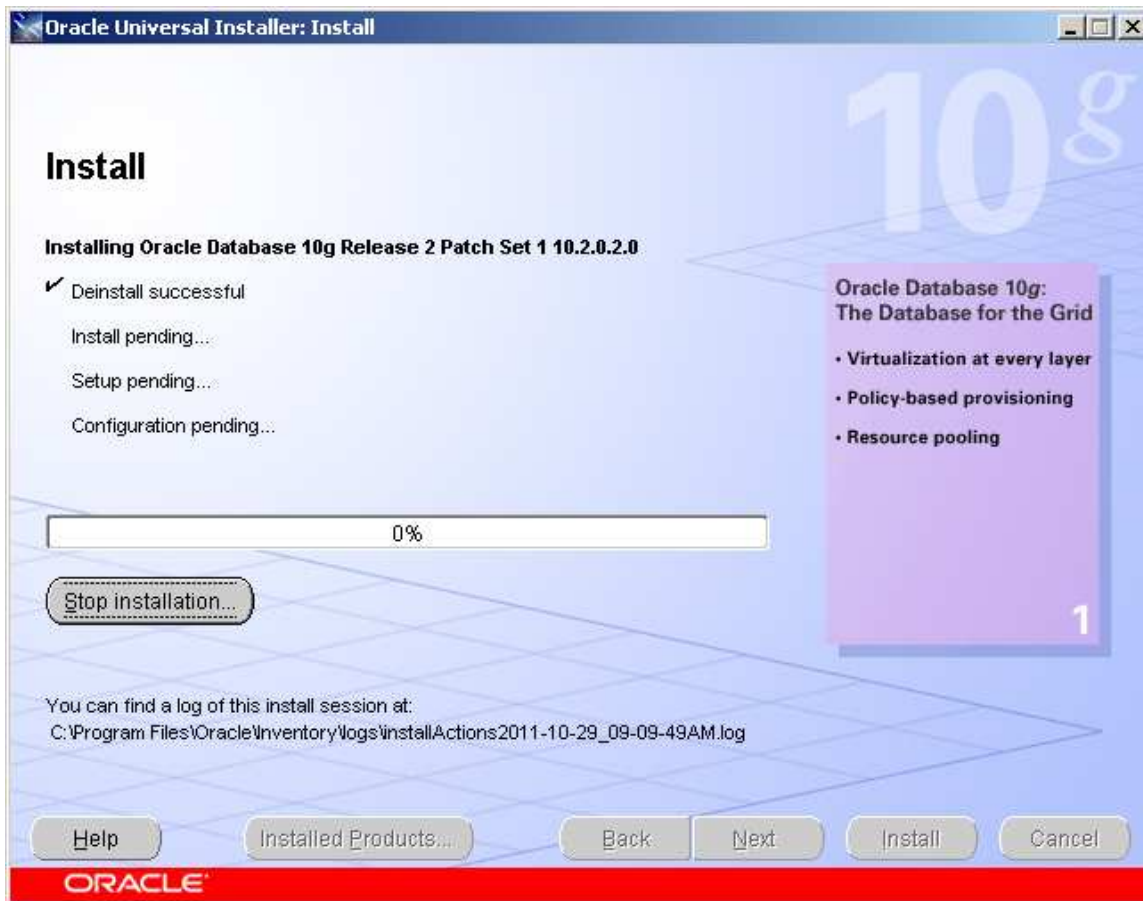


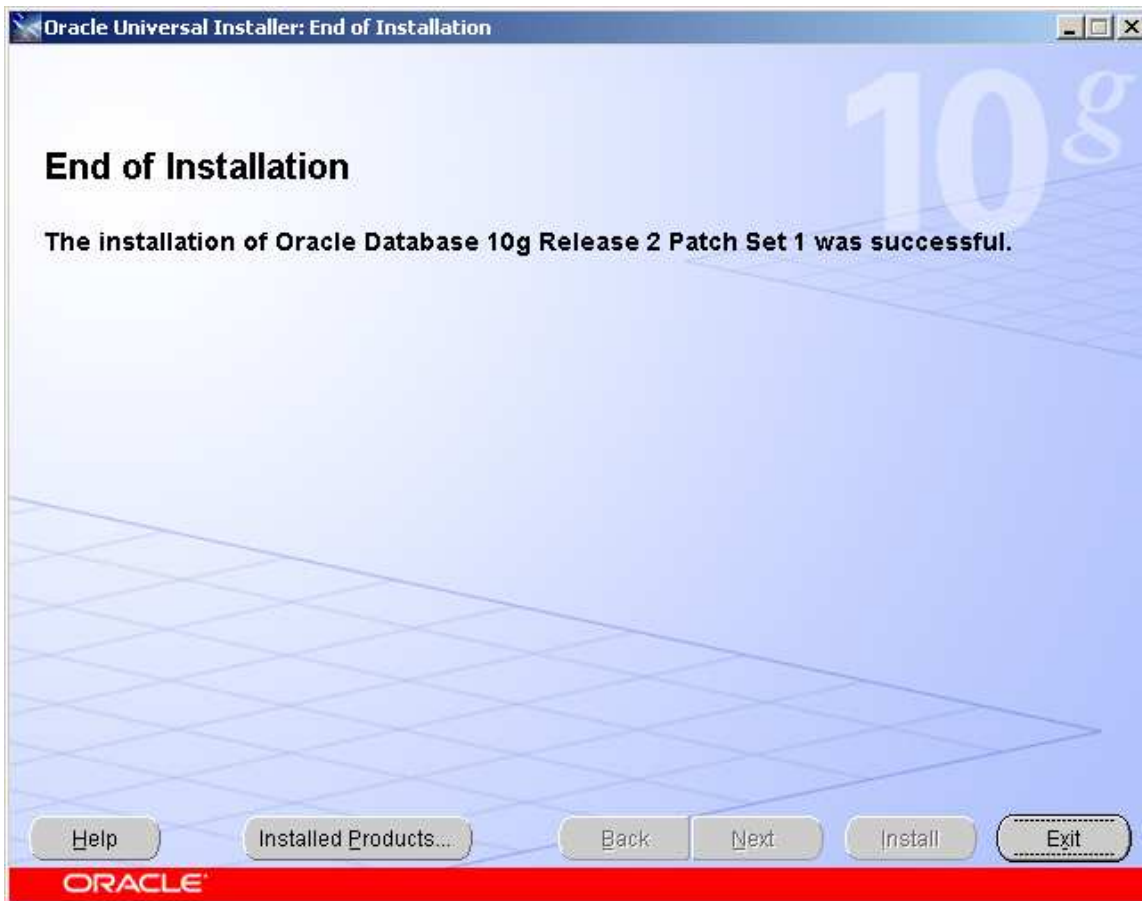
Change the name to <SID><VERSION>



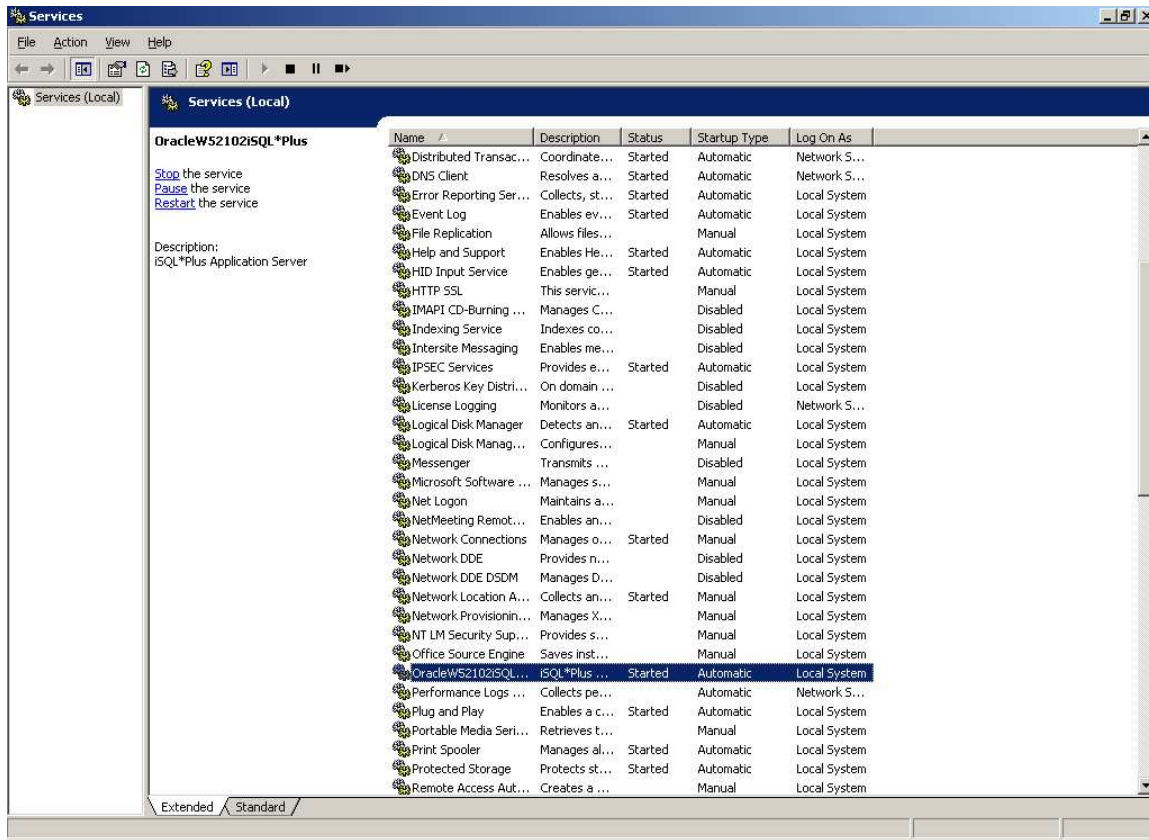


Click on **INSTALL** tab.

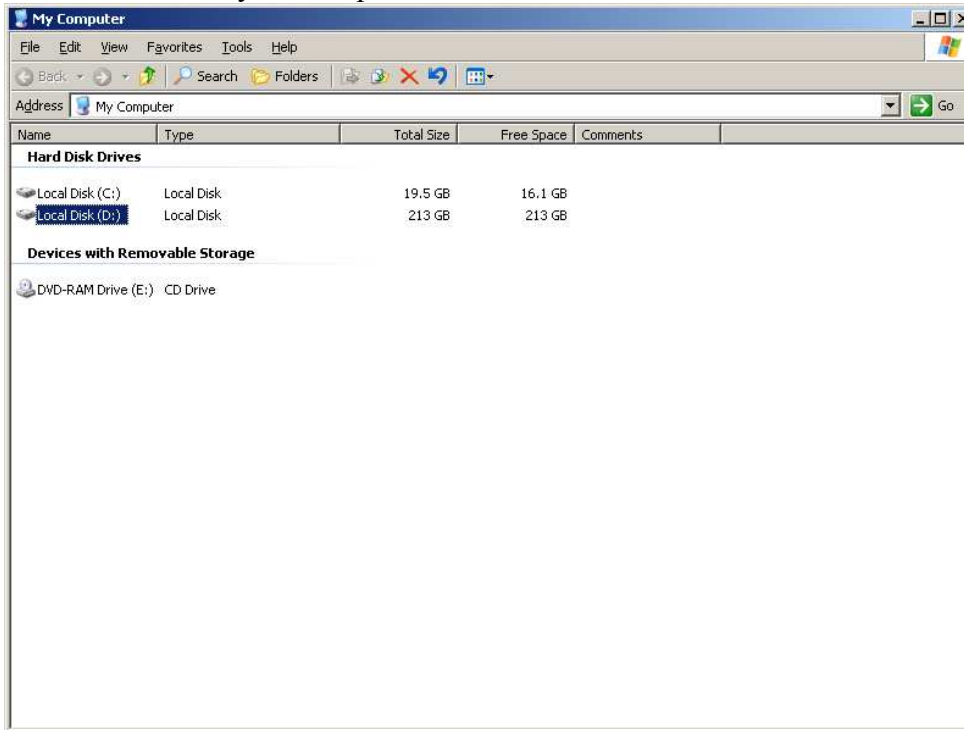




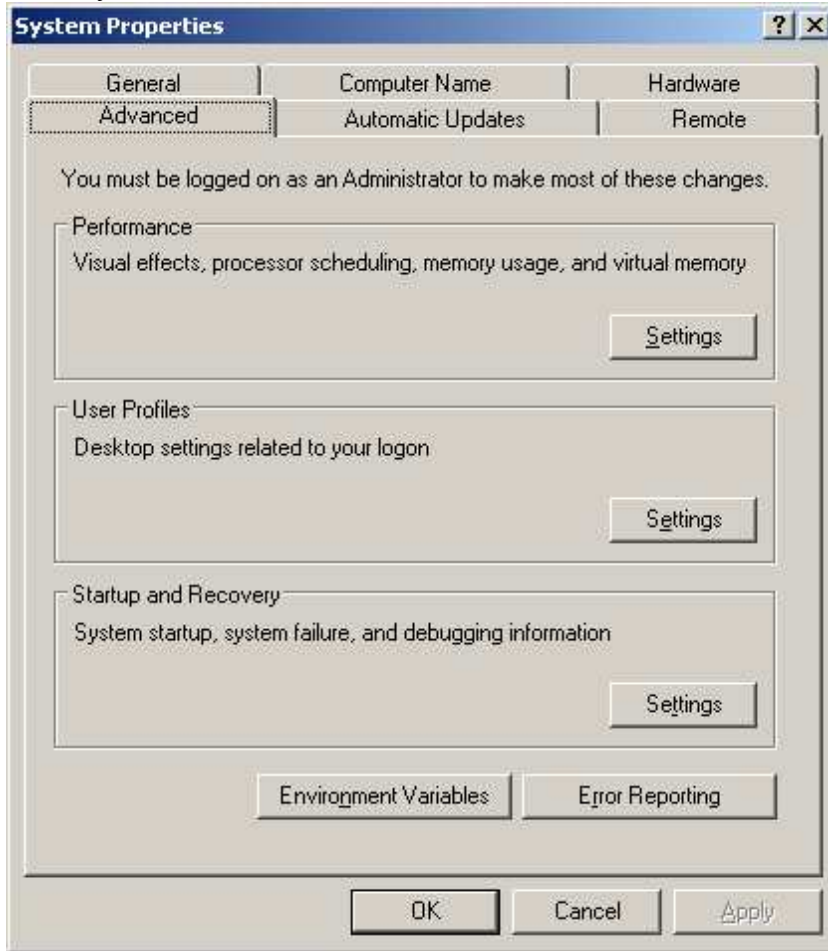
Click on **YES** to exit

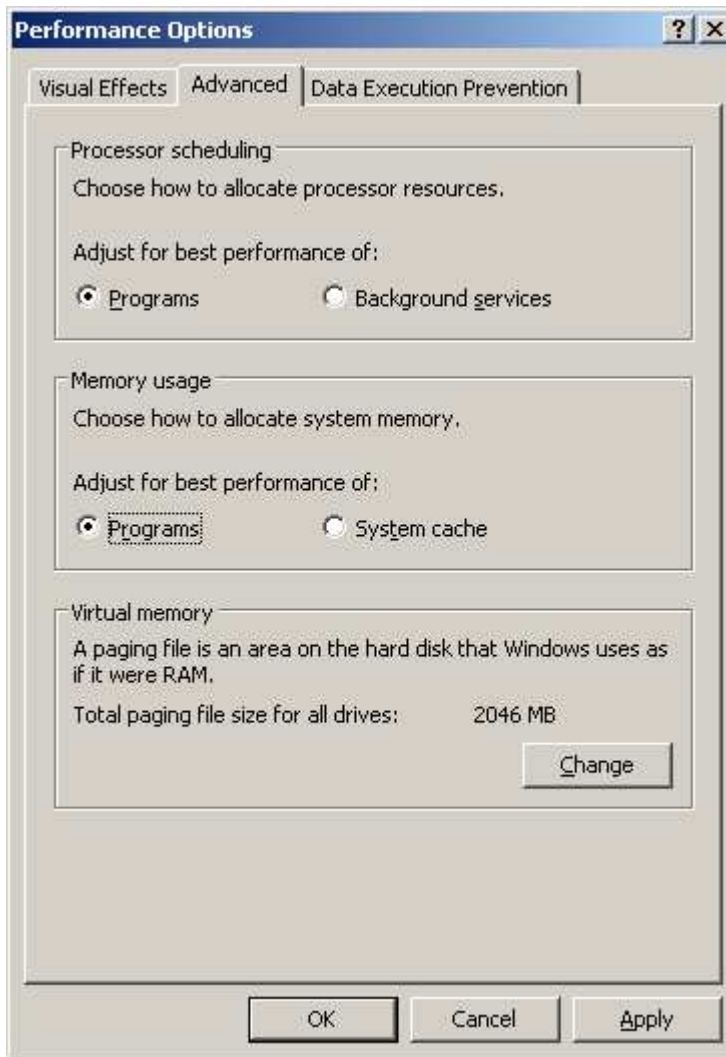


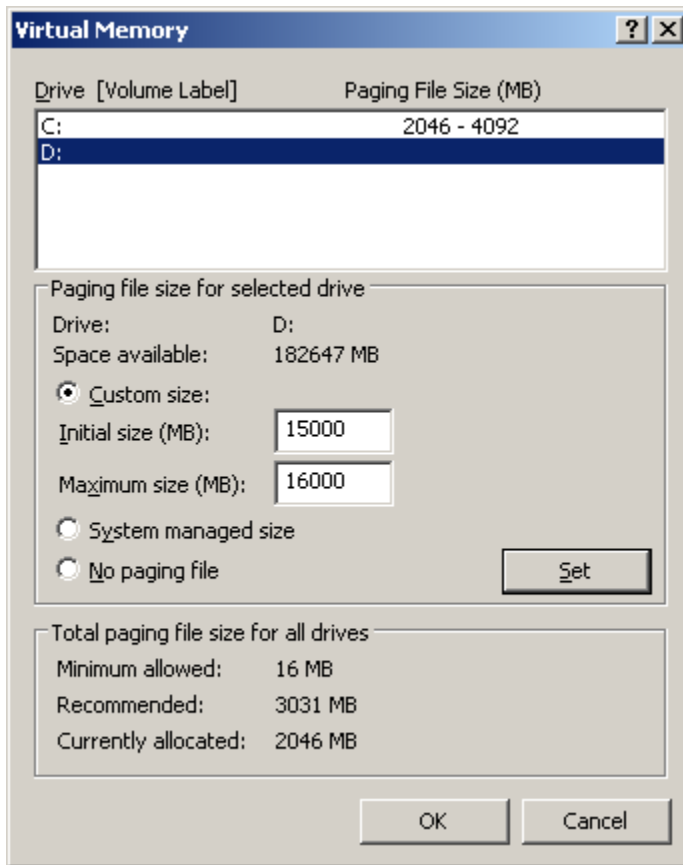
7. Create the file system as per SAP recommendations.



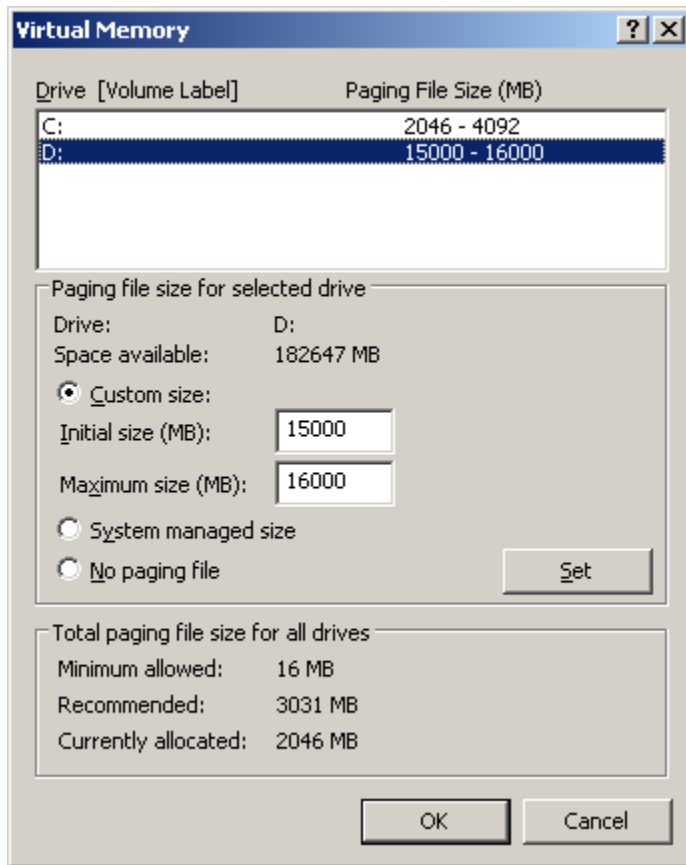
- 8. Set the Virtual memory as the formula $(3 * \text{RAM SIZE} + 1\text{GB}) (1.5 * \text{RAMSIZE})$. Virtual memory.

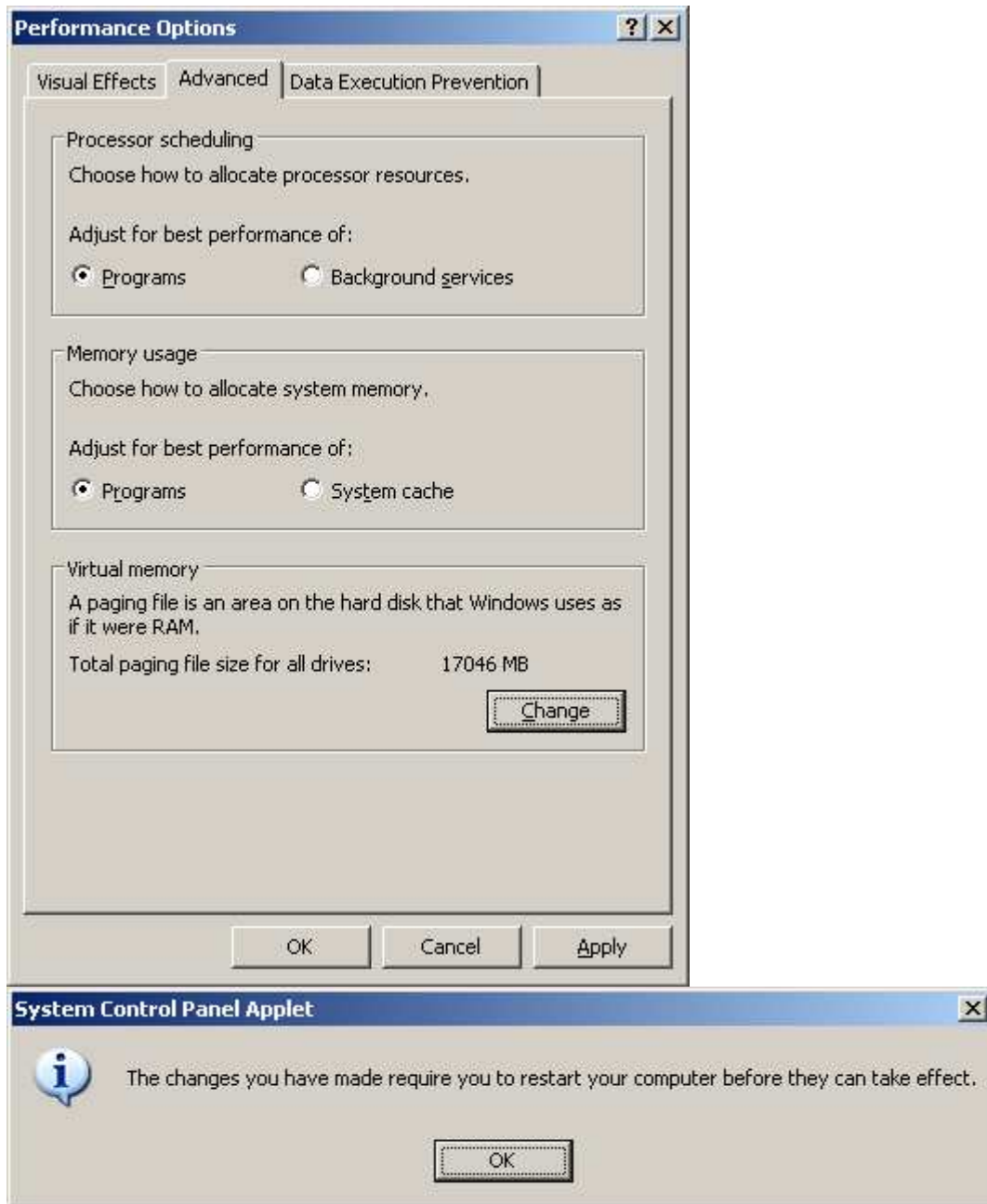






Select the value based on the RAM Size.

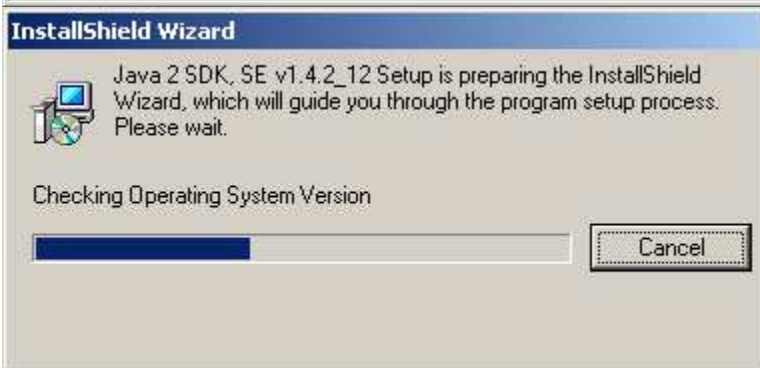
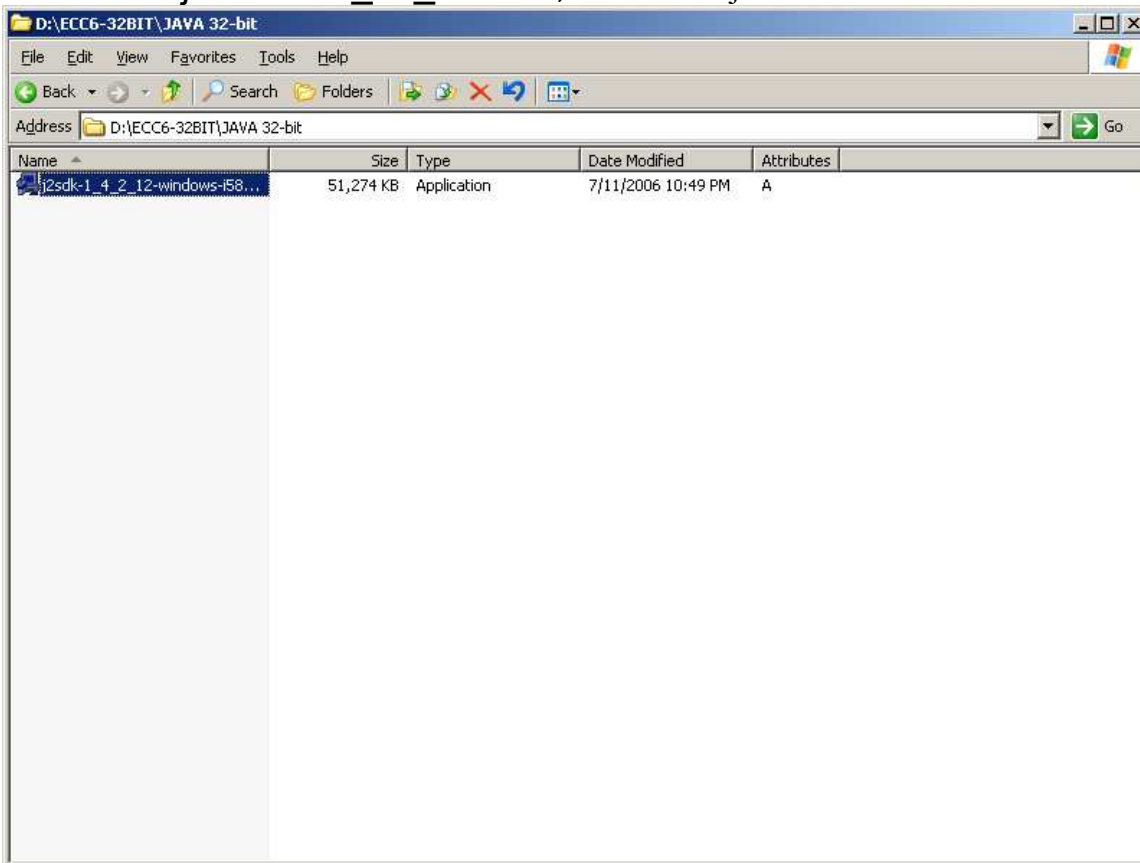


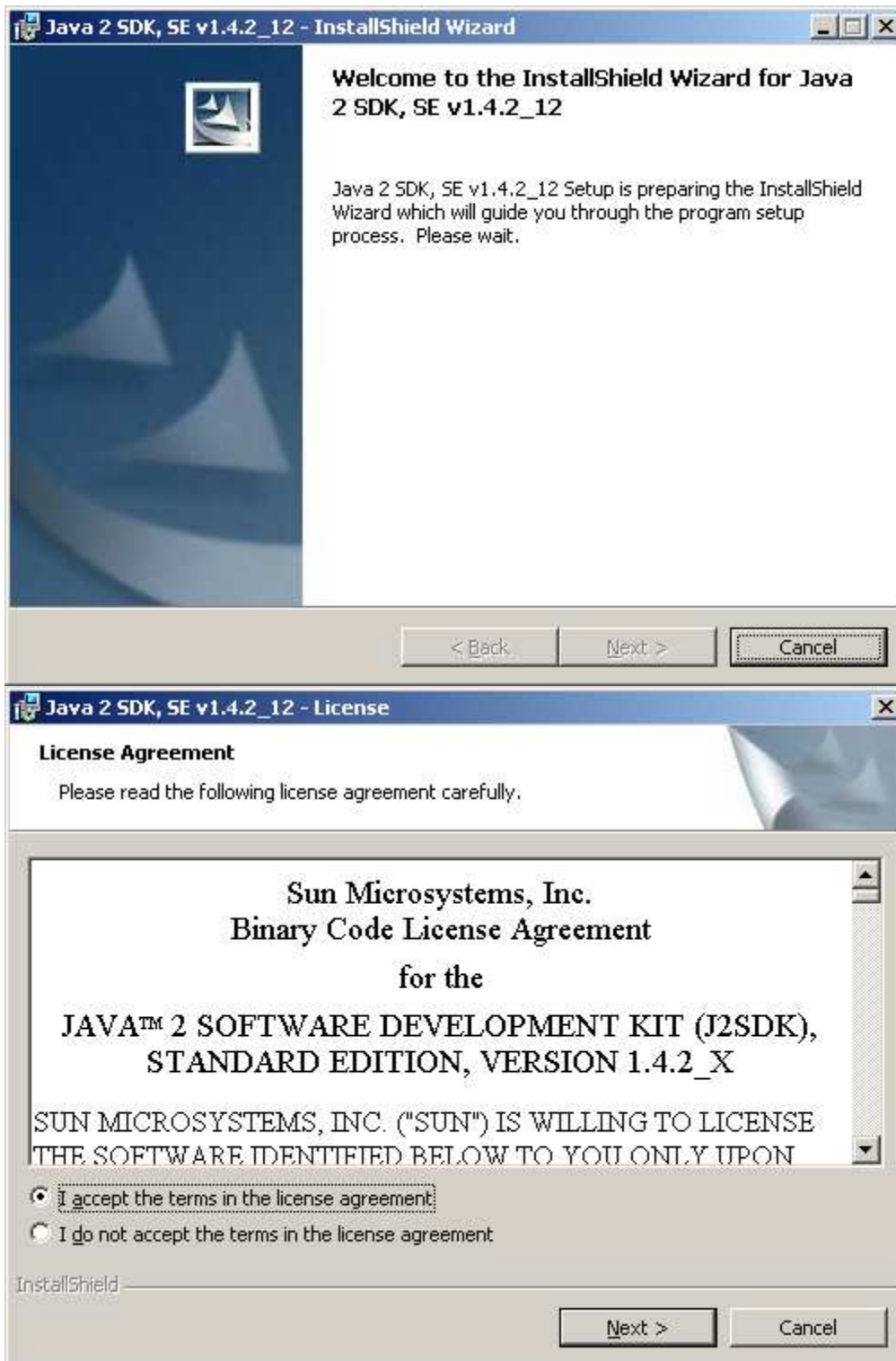


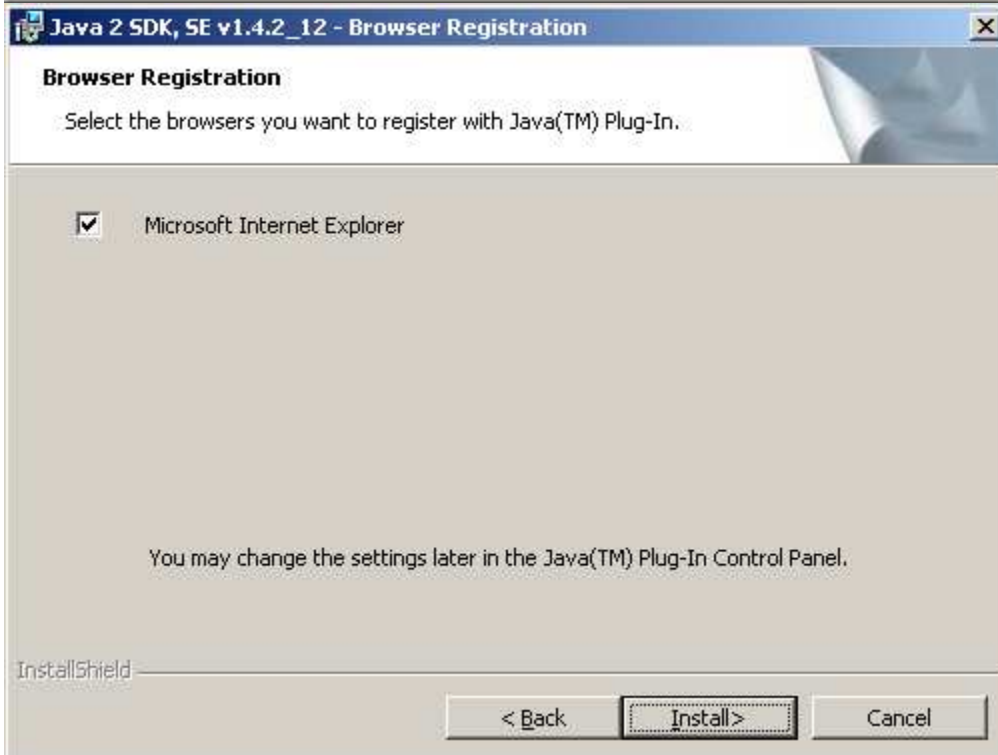
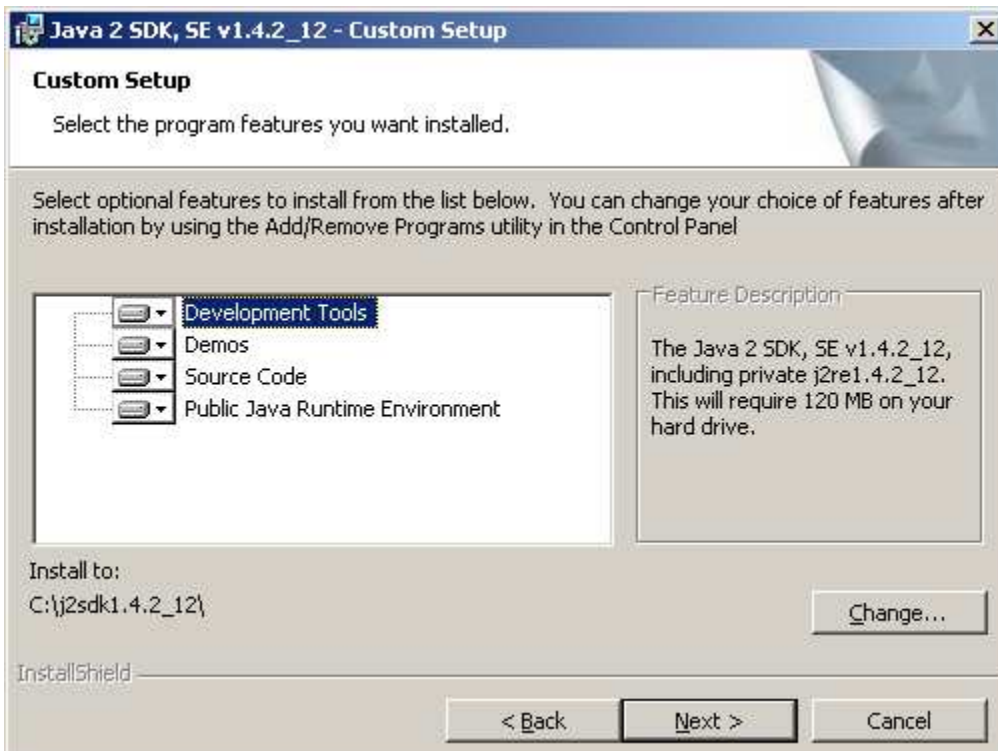
9. Install Java *j2sdk_1_4_12* to provide java runtime environment for SAP installation.(SAP installation is programmed in java . so requires JRE).

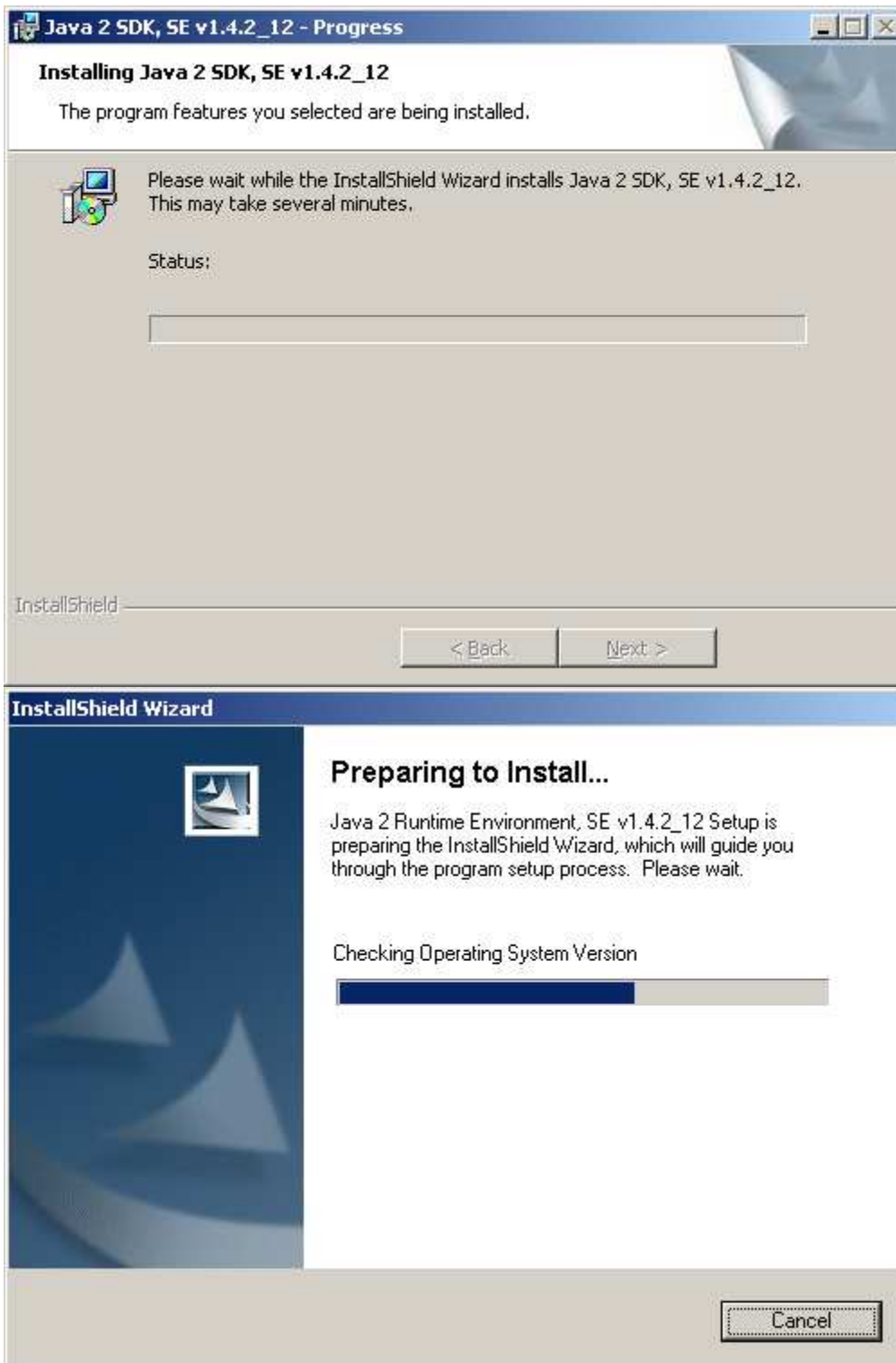
10. Set the environment variables `JAVA_HOME = C:\j2sdk1.4.2_16_x64` and
Page 29 of 102.

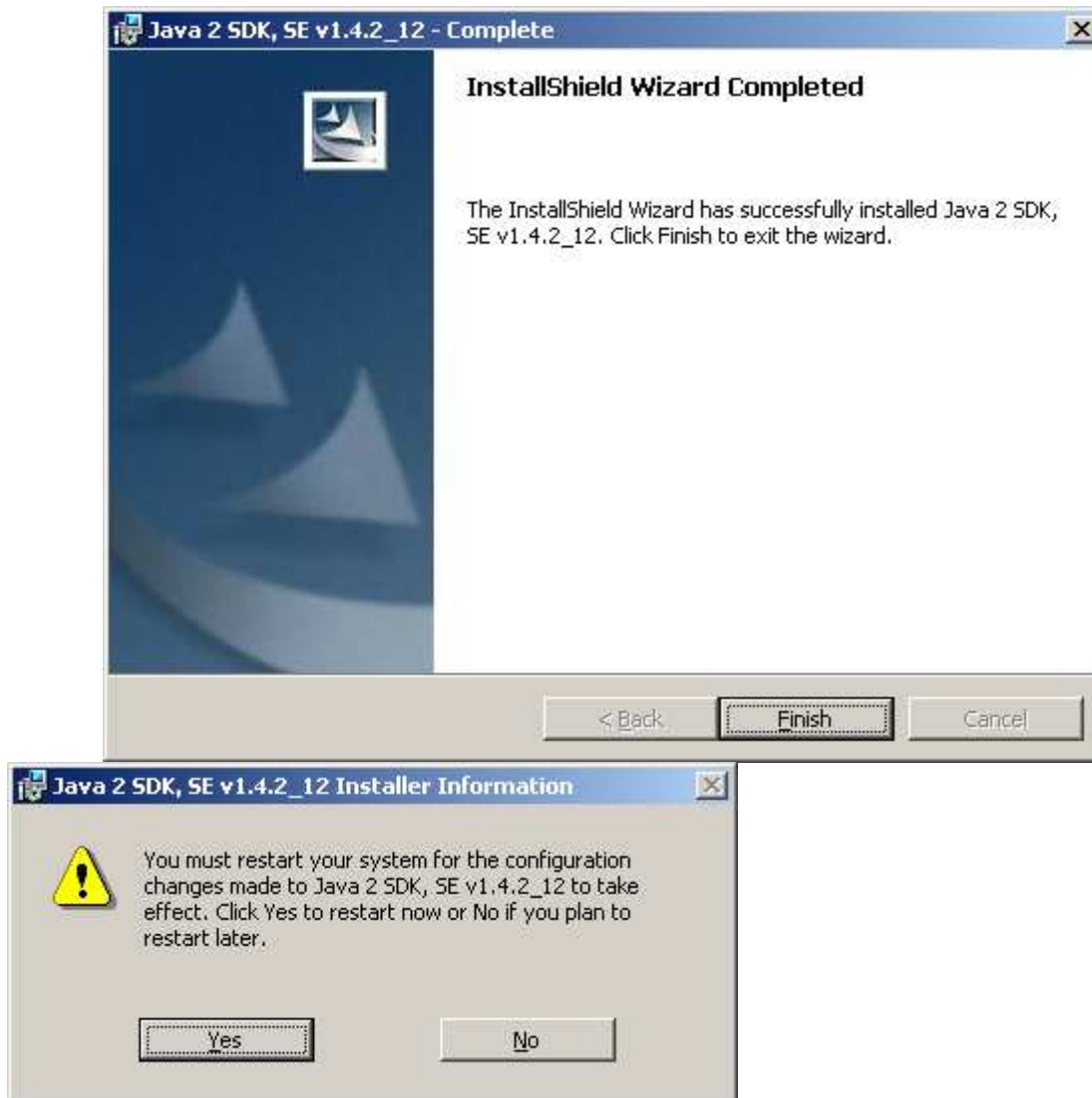
PATH= C:\j2sdk1.4.2_16_x64\bin; Now install java.



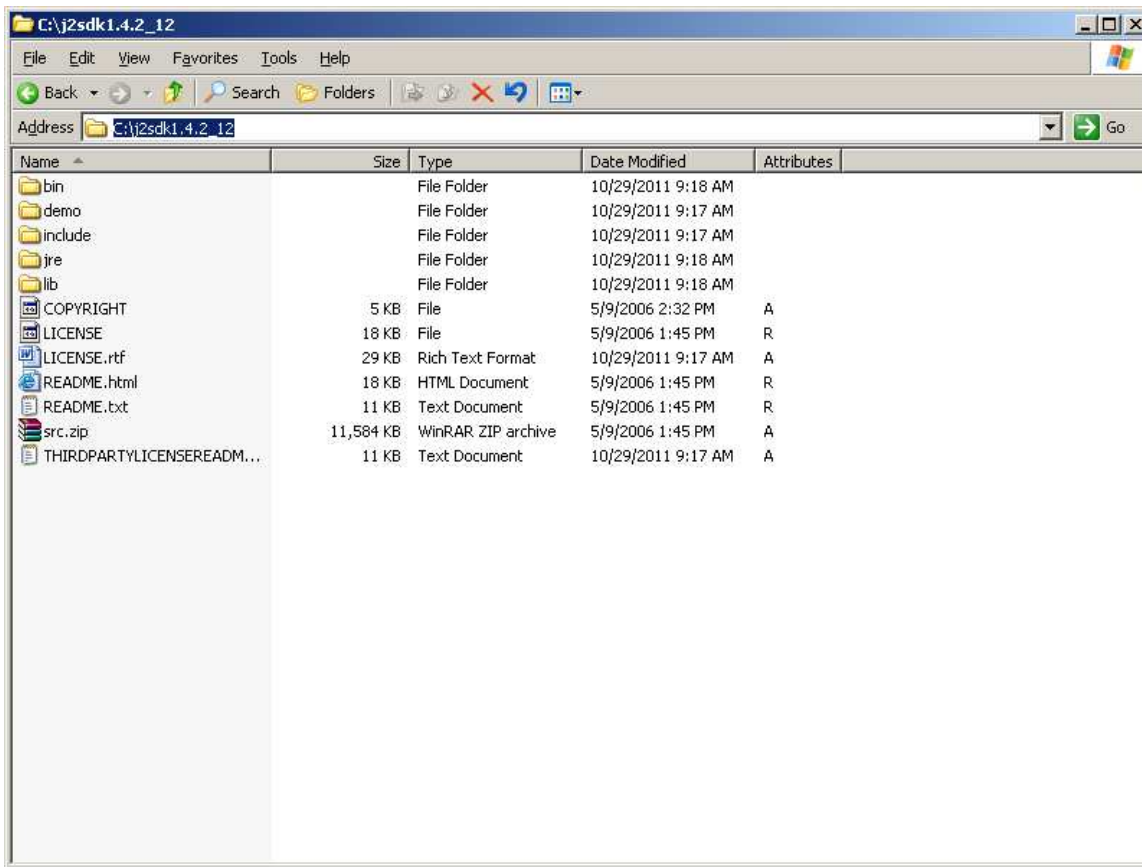






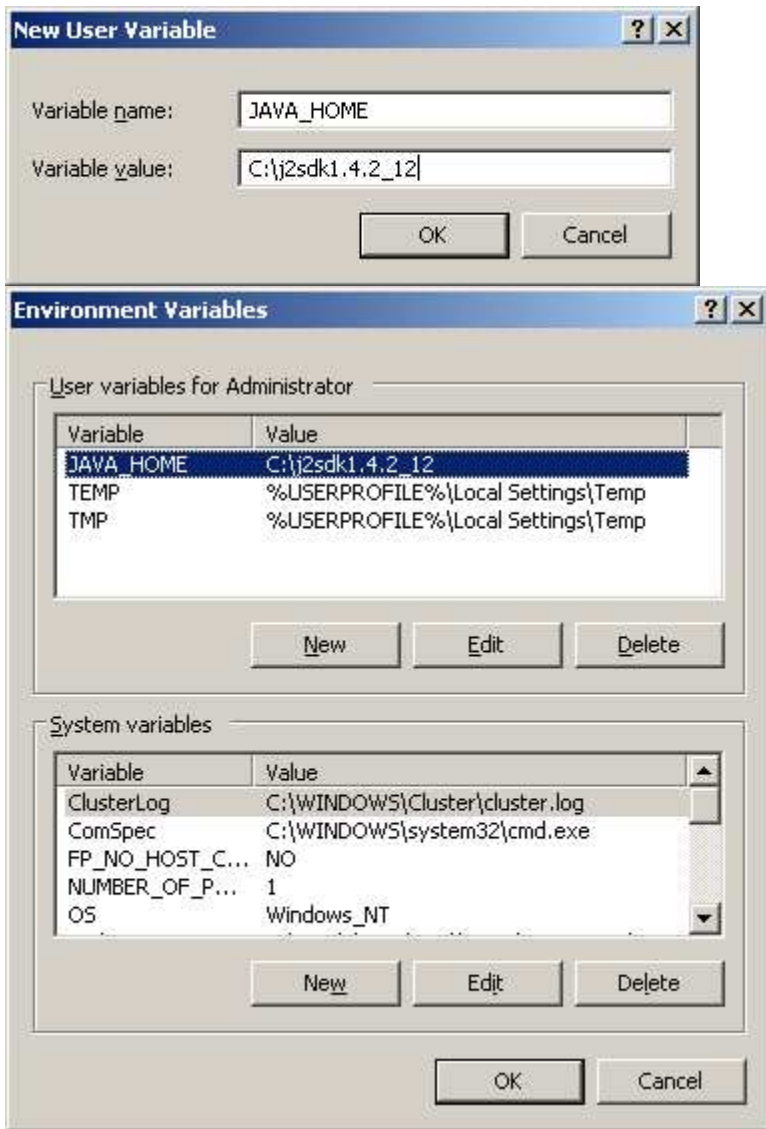


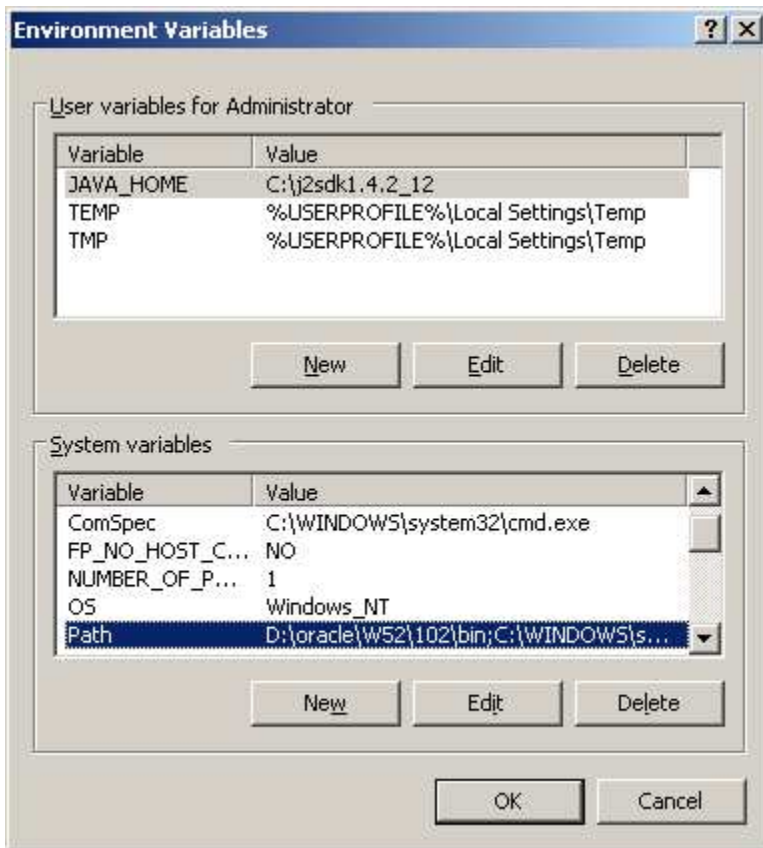
Now set the ENVIRONMENT VARIABLE.



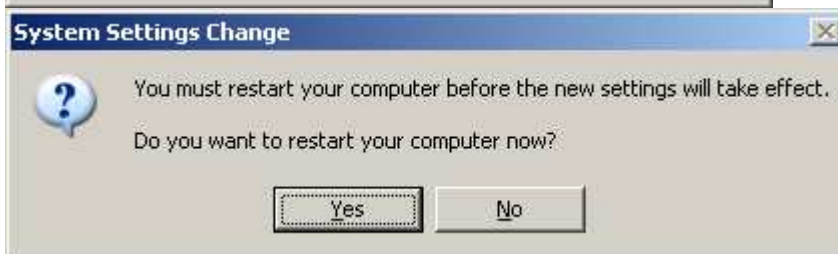
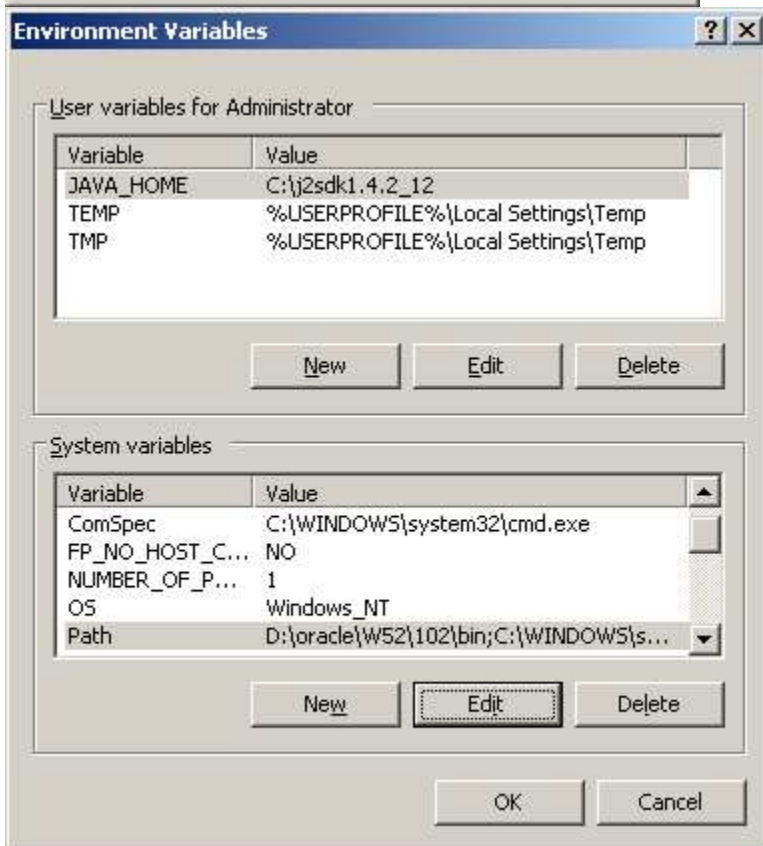
Copy the location where java was installed .

My computer → right click → Advanced → Environment variable.

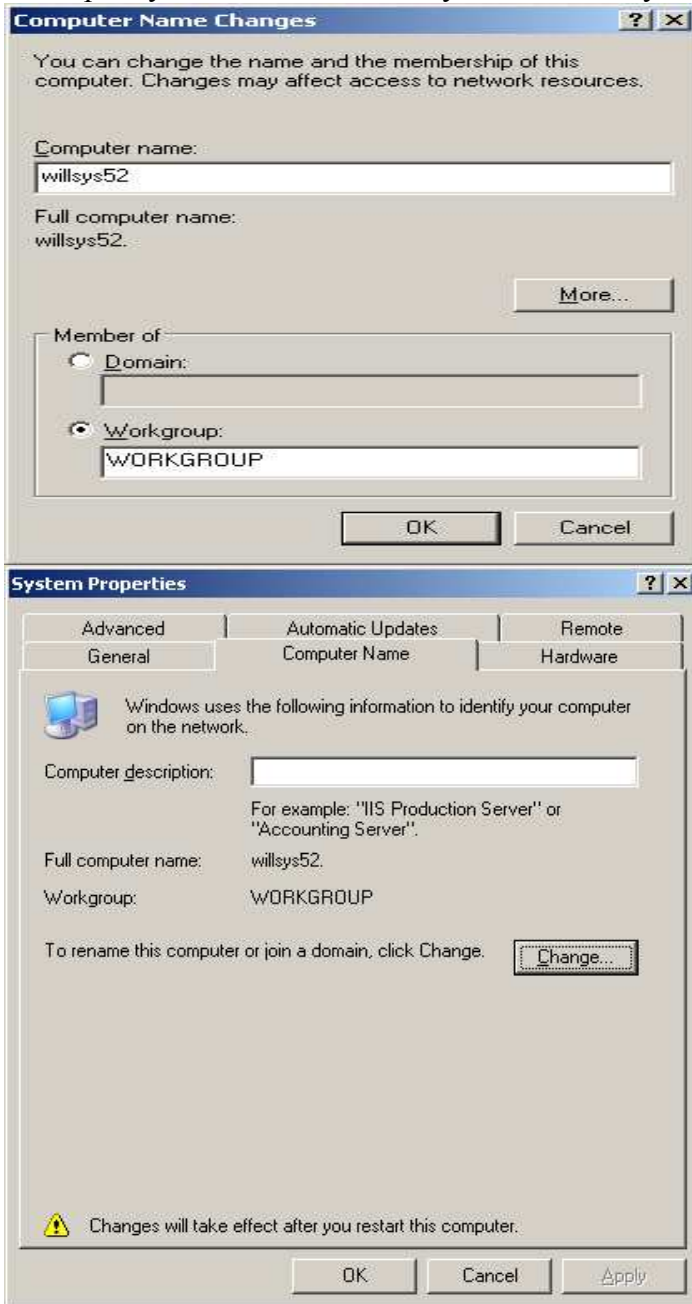




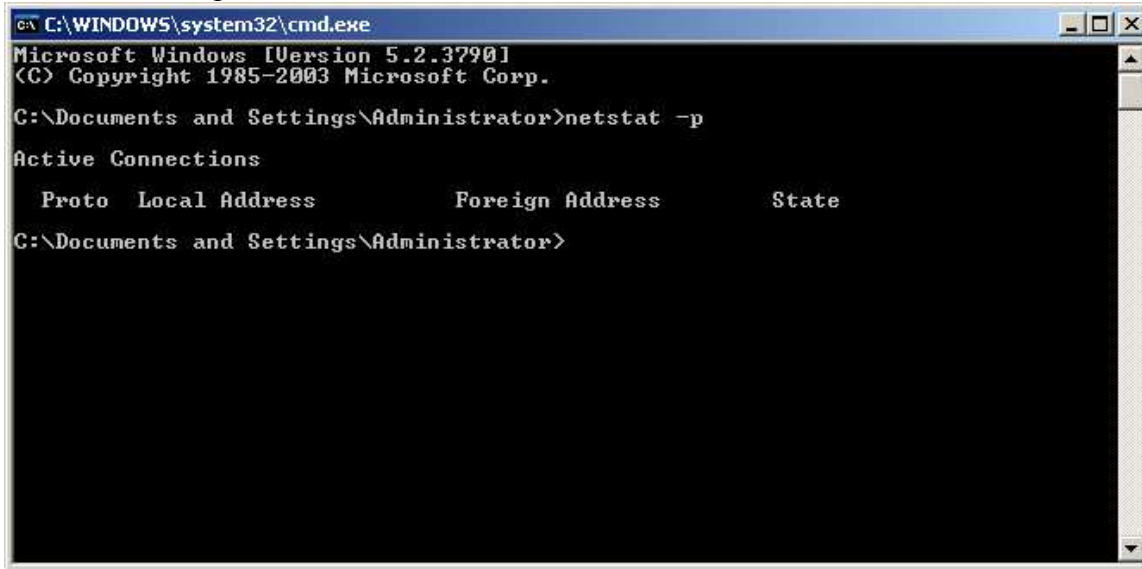
Now set the java path



11. Specify the hostname to the system to identify it uniquely in the landscape.



12. Ensure that ports 21212 / 21213 are not blocked.



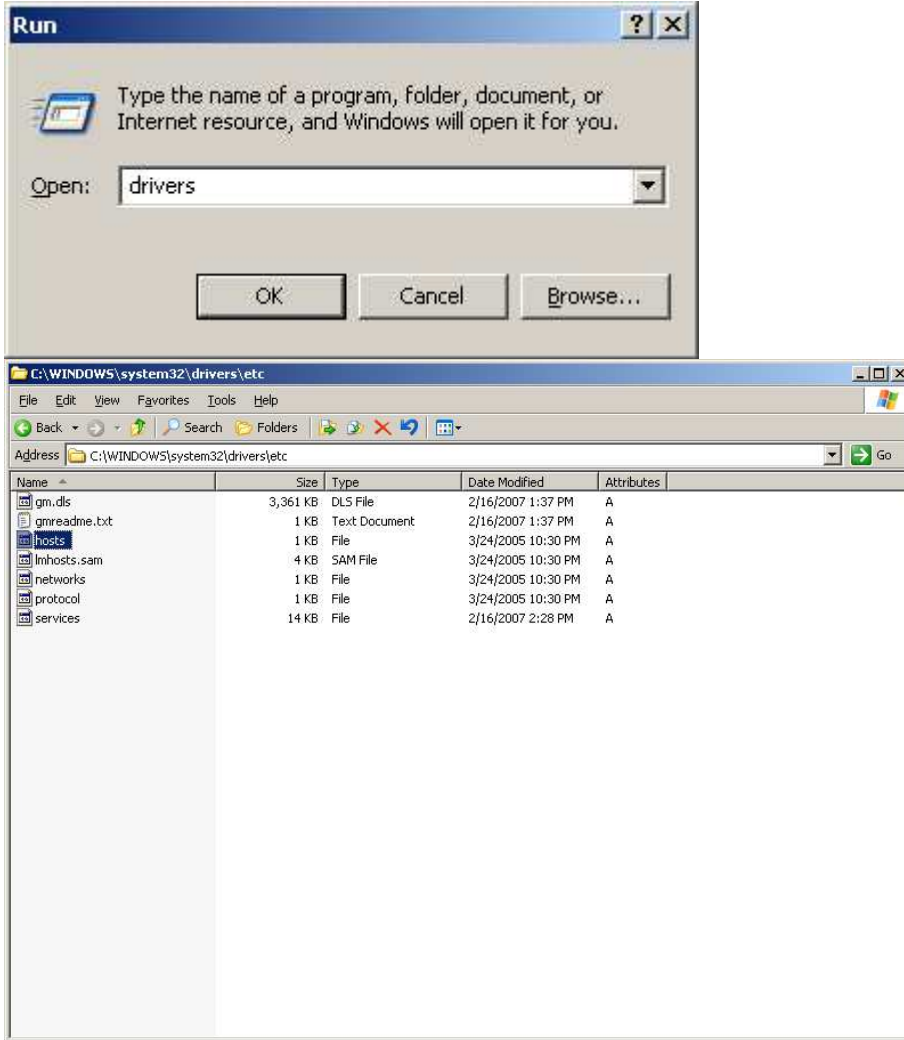
```
ca C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 5.2.3790]
(C) Copyright 1985-2003 Microsoft Corp.

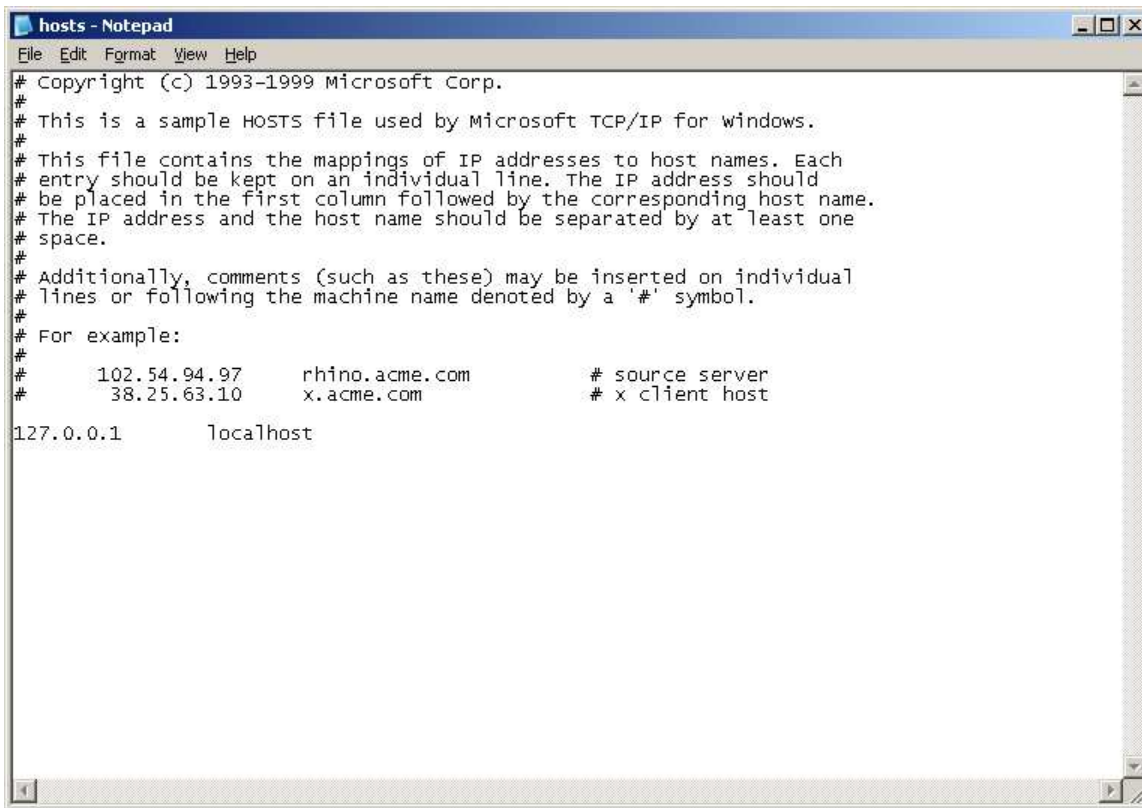
C:\Documents and Settings\Administrator>netstat -p

Active Connections

   Proto  Local Address          Foreign Address        State
C:\Documents and Settings\Administrator>
```

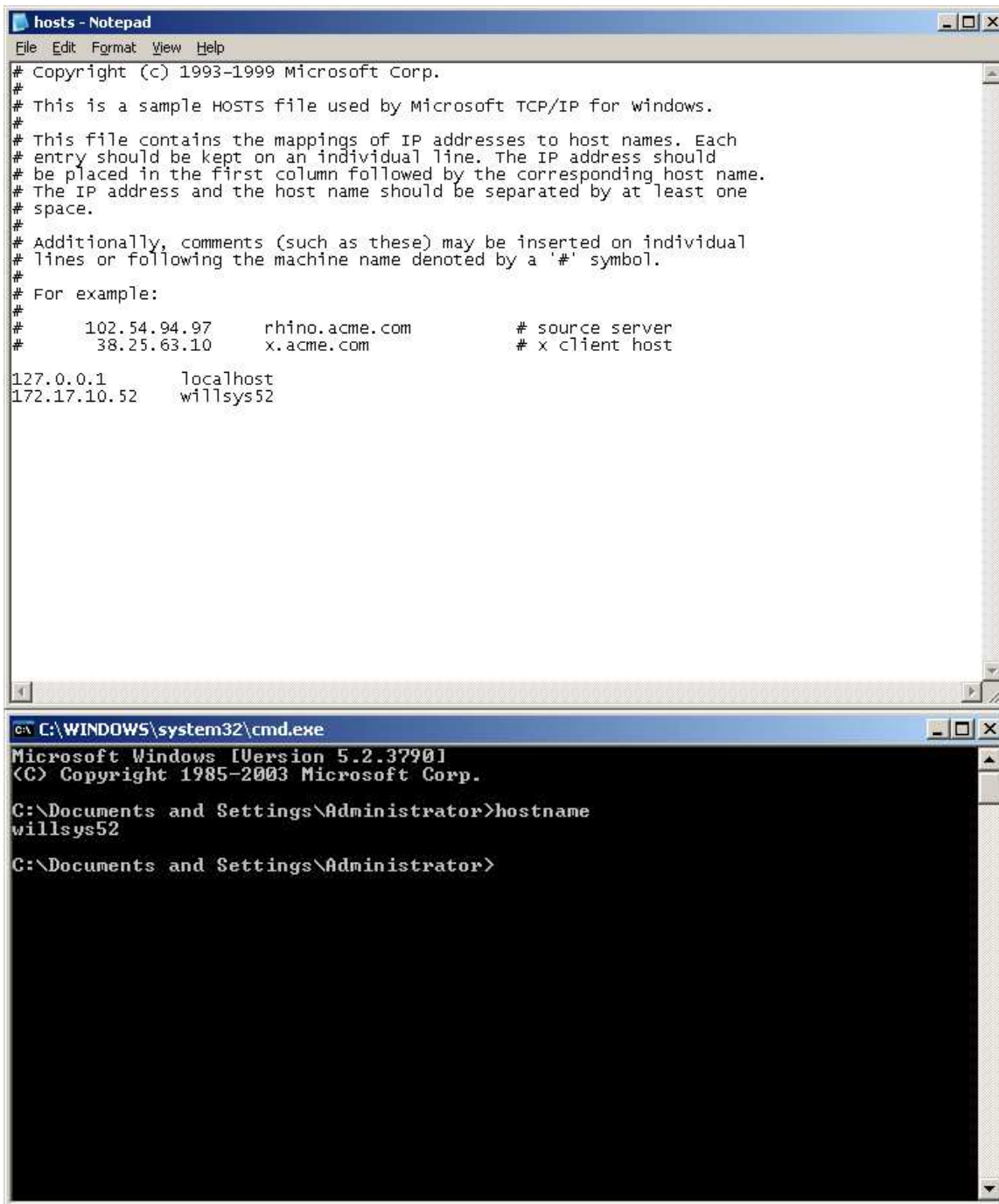
13. Maintain the entries in **etc/hosts** file.
Now specify the hostname to the system





```
hosts - Notepad
File Edit Format View Help
# Copyright (c) 1993-1999 Microsoft Corp.
#
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
#
# This file contains the mappings of IP addresses to host names. Each
# entry should be kept on an individual line. The IP address should
# be placed in the first column followed by the corresponding host name.
# The IP address and the host name should be separated by at least one
# space.
#
# Additionally, comments (such as these) may be inserted on individual
# lines or following the machine name denoted by a '#' symbol.
#
# For example:
#
#       102.54.94.97       rhino.acme.com           # source server
#       38.25.63.10      x.acme.com             # x client host
127.0.0.1       localhost
```

Now specify the hostname to the system

The image shows two overlapping windows from a Windows operating system. The top window is titled 'hosts - Notepad' and contains the following text:

```
# Copyright (c) 1993-1999 Microsoft Corp.
#
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
#
# This file contains the mappings of IP addresses to host names. Each
# entry should be kept on an individual line. The IP address should
# be placed in the first column followed by the corresponding host name.
# The IP address and the host name should be separated by at least one
# space.
#
# Additionally, comments (such as these) may be inserted on individual
# lines or following the machine name denoted by a '#' symbol.
#
# For example:
#       102.54.94.97       rhino.acme.com           # source server
#       38.25.63.10      x.acme.com              # x client host

127.0.0.1       localhost
172.17.10.52    willsys52
```

The bottom window is a Command Prompt titled 'C:\WINDOWS\system32\cmd.exe' and shows the following text:

```
Microsoft Windows [Version 5.2.3790]
(C) Copyright 1985-2003 Microsoft Corp.

C:\Documents and Settings\Administrator>hostname
willsys52

C:\Documents and Settings\Administrator>
```

14. Specify the **STATIC/ PUBLIC** IP address. Ensure that internet connection is available to resolve the run time issues.

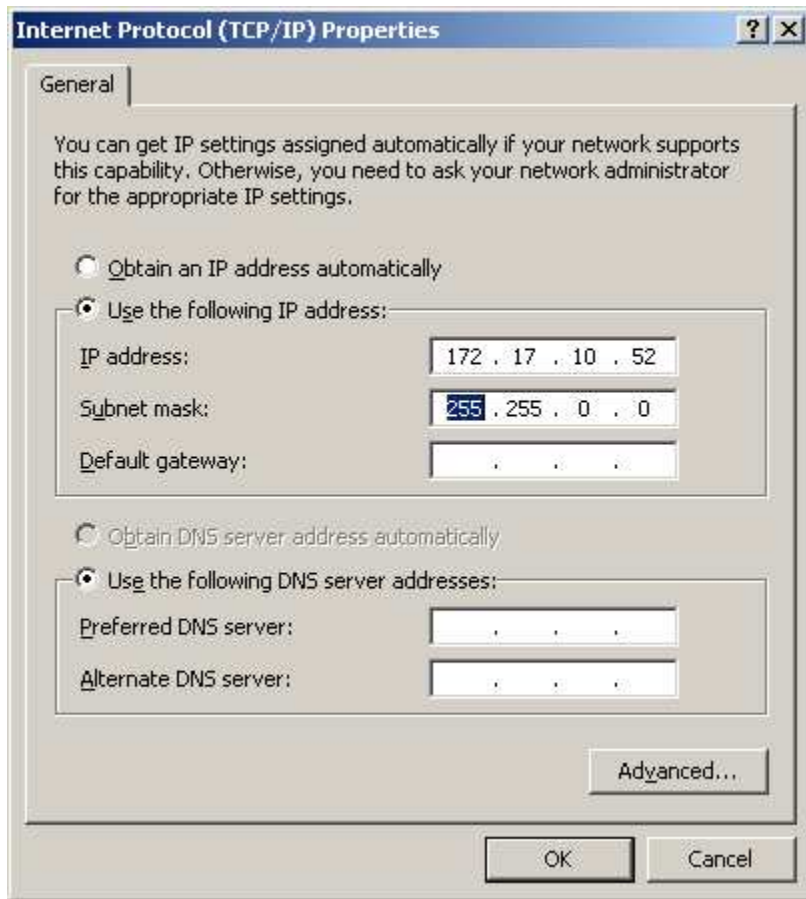


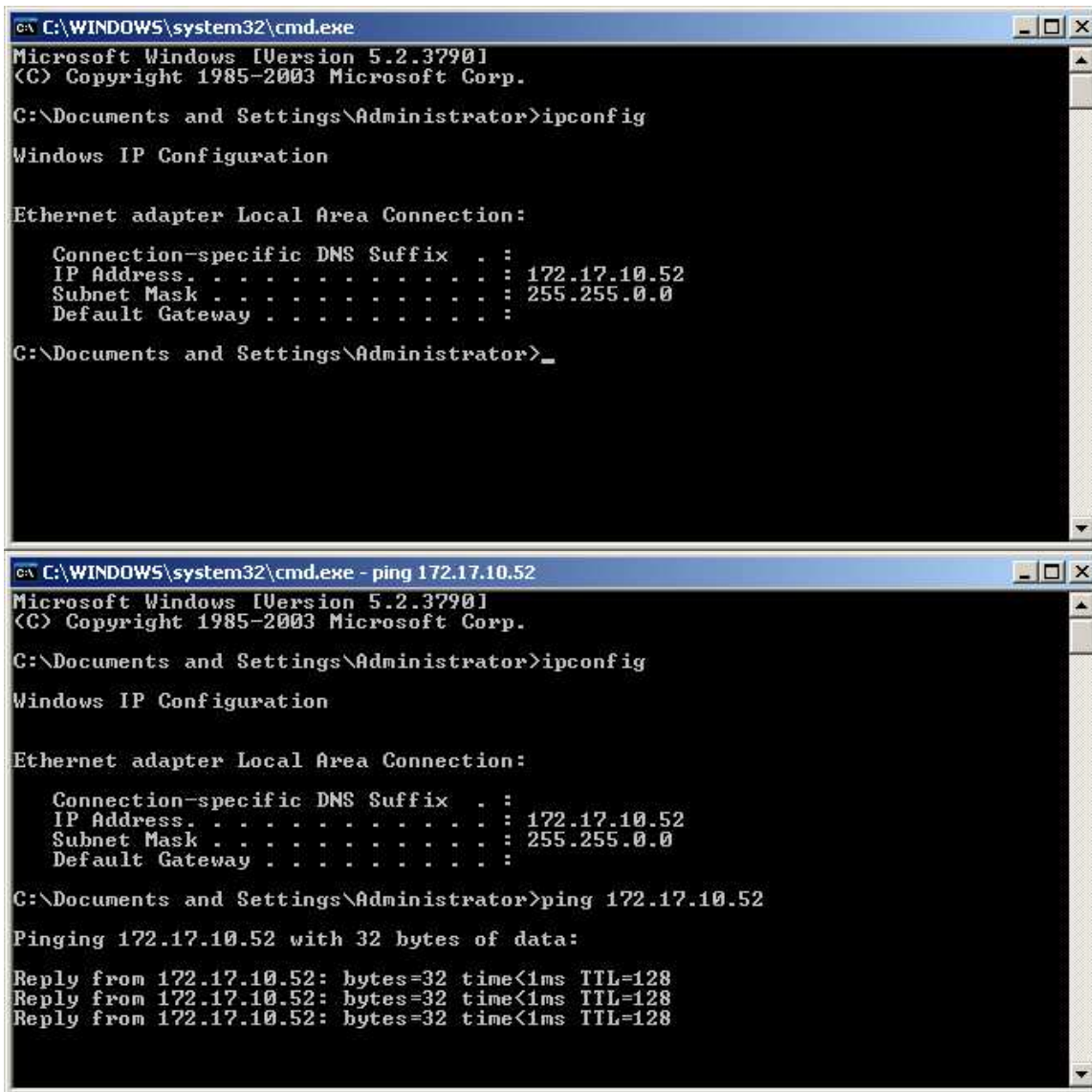
```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 5.2.3790]
(C) Copyright 1985-2003 Microsoft Corp.

C:\Documents and Settings\Administrator>hostname
willsys52

C:\Documents and Settings\Administrator>
```

Install network drivers. And assign the IP





```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 5.2.3790]
(C) Copyright 1985-2003 Microsoft Corp.

C:\Documents and Settings\Administrator>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    IP Address. . . . .               : 172.17.10.52
    Subnet Mask . . . . .             : 255.255.0.0
    Default Gateway . . . . .         : 

C:\Documents and Settings\Administrator>_

C:\WINDOWS\system32\cmd.exe - ping 172.17.10.52
Microsoft Windows [Version 5.2.3790]
(C) Copyright 1985-2003 Microsoft Corp.

C:\Documents and Settings\Administrator>ipconfig

Windows IP Configuration

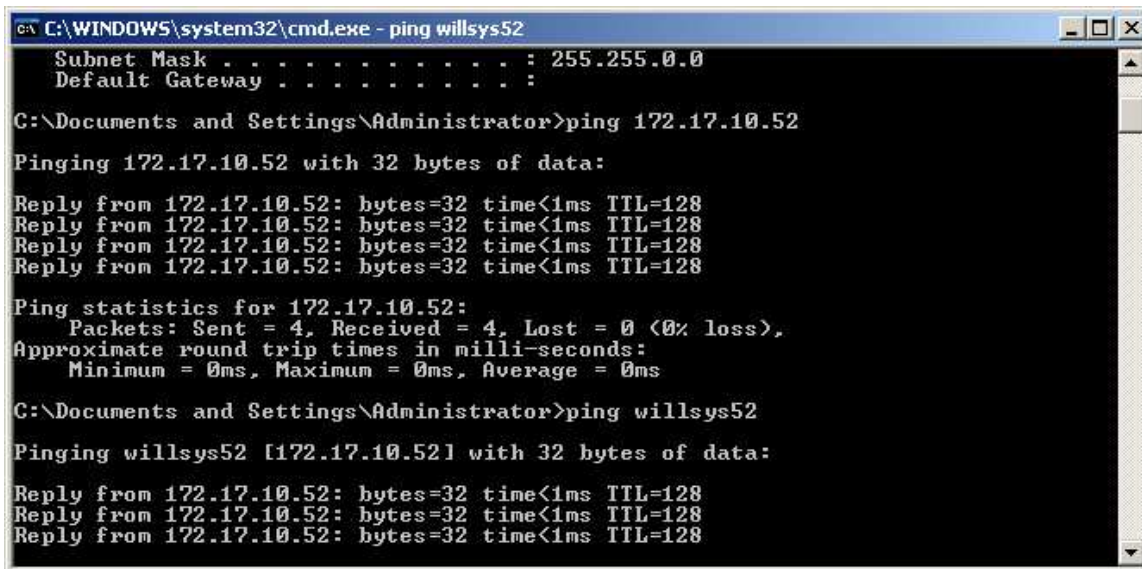
Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    IP Address. . . . .               : 172.17.10.52
    Subnet Mask . . . . .             : 255.255.0.0
    Default Gateway . . . . .         : 

C:\Documents and Settings\Administrator>ping 172.17.10.52

Pinging 172.17.10.52 with 32 bytes of data:

Reply from 172.17.10.52: bytes=32 time<1ms TTL=128
Reply from 172.17.10.52: bytes=32 time<1ms TTL=128
Reply from 172.17.10.52: bytes=32 time<1ms TTL=128
```



```
C:\WINDOWS\system32\cmd.exe - ping willsys52
Subnet Mask . . . . . : 255.255.0.0
Default Gateway . . . . . :

C:\Documents and Settings\Administrator>ping 172.17.10.52

Pinging 172.17.10.52 with 32 bytes of data:

Reply from 172.17.10.52: bytes=32 time<1ms TTL=128
Reply from 172.17.10.52: bytes=32 time<1ms TTL=128
Reply from 172.17.10.52: bytes=32 time<1ms TTL=128
Reply from 172.17.10.52: bytes=32 time<1ms TTL=128

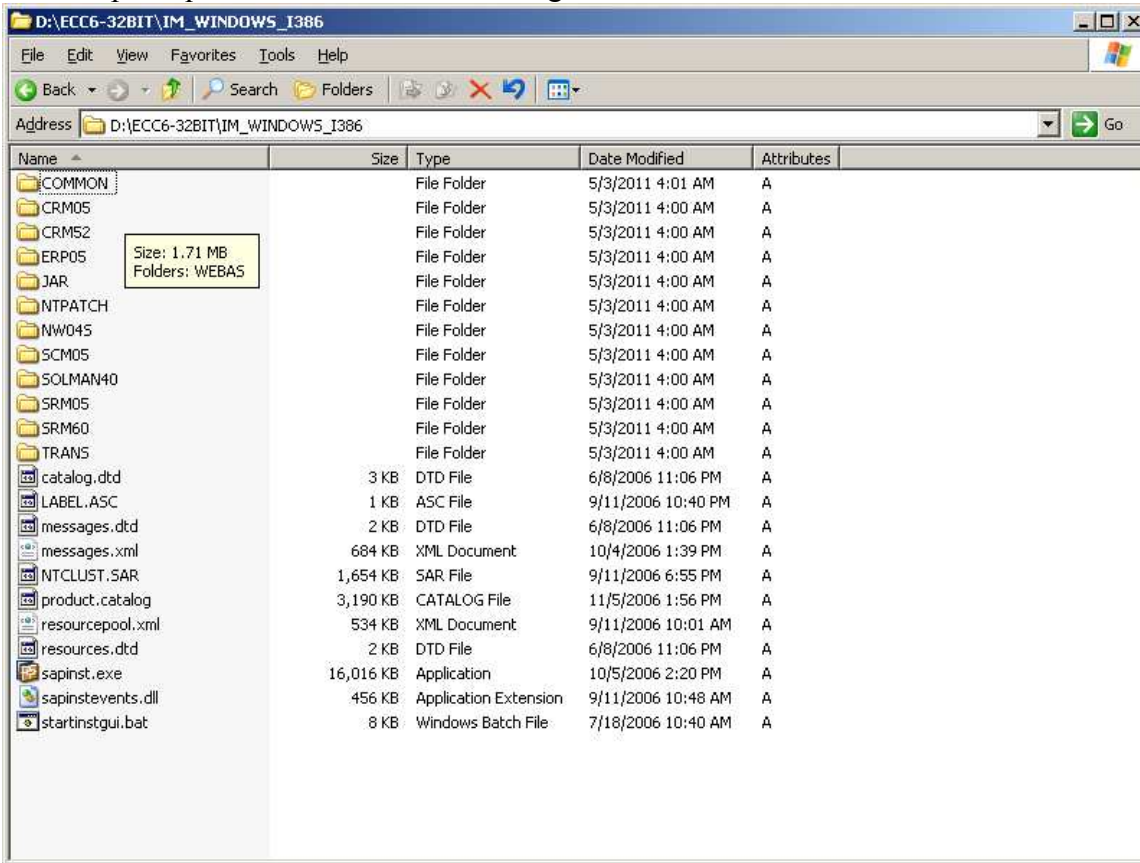
Ping statistics for 172.17.10.52:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

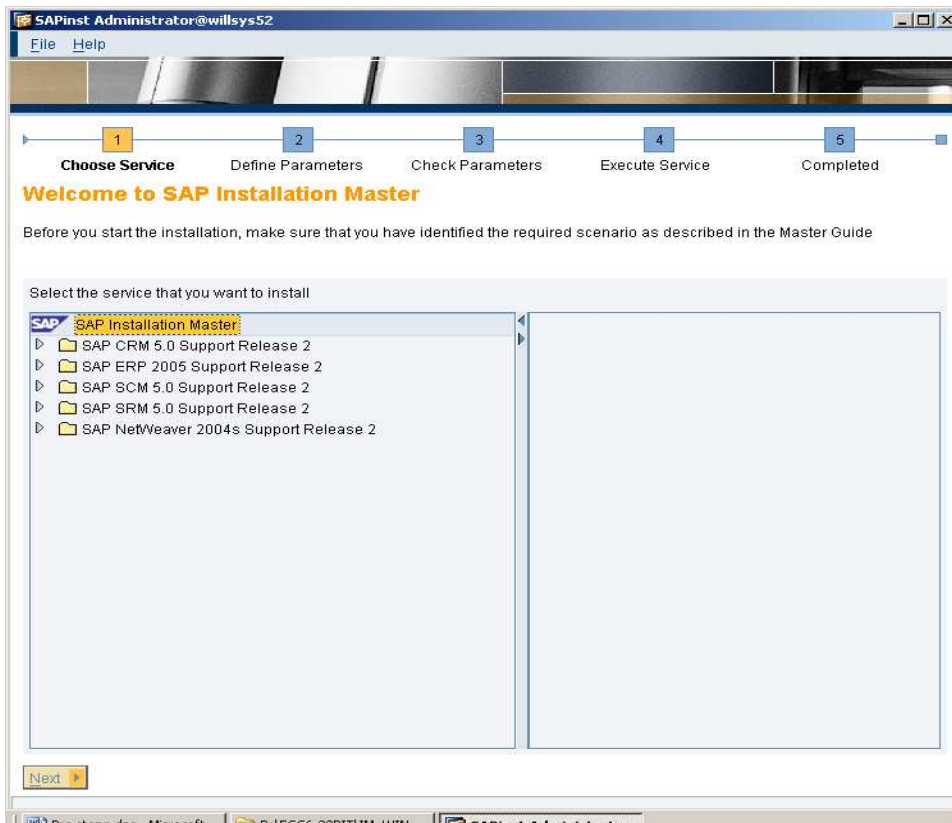
C:\Documents and Settings\Administrator>ping willsys52

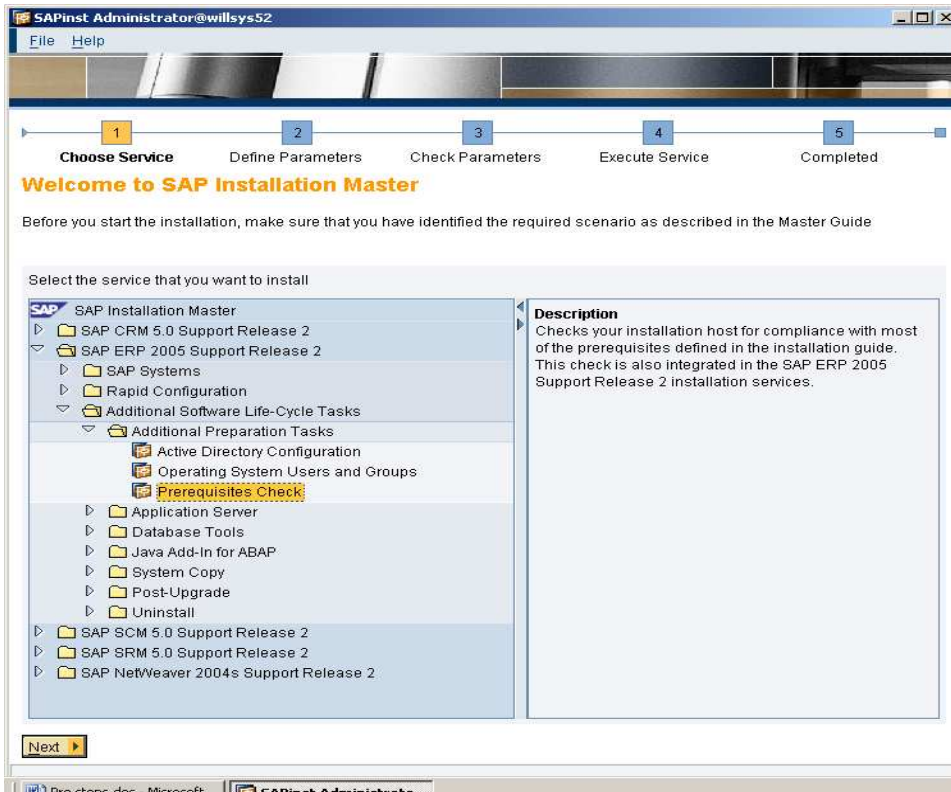
Pinging willsys52 [172.17.10.52] with 32 bytes of data:

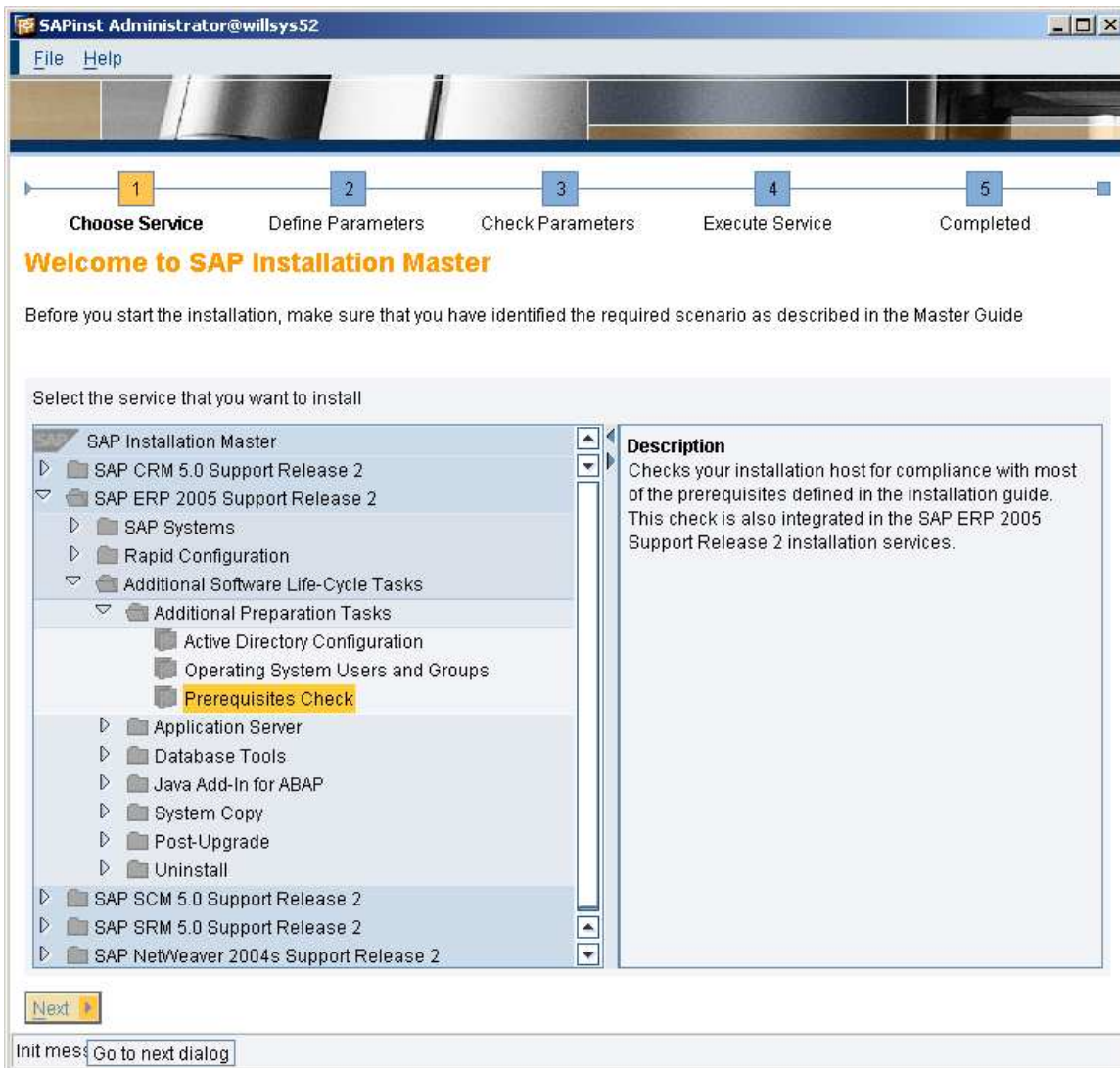
Reply from 172.17.10.52: bytes=32 time<1ms TTL=128
Reply from 172.17.10.52: bytes=32 time<1ms TTL=128
Reply from 172.17.10.52: bytes=32 time<1ms TTL=128
```

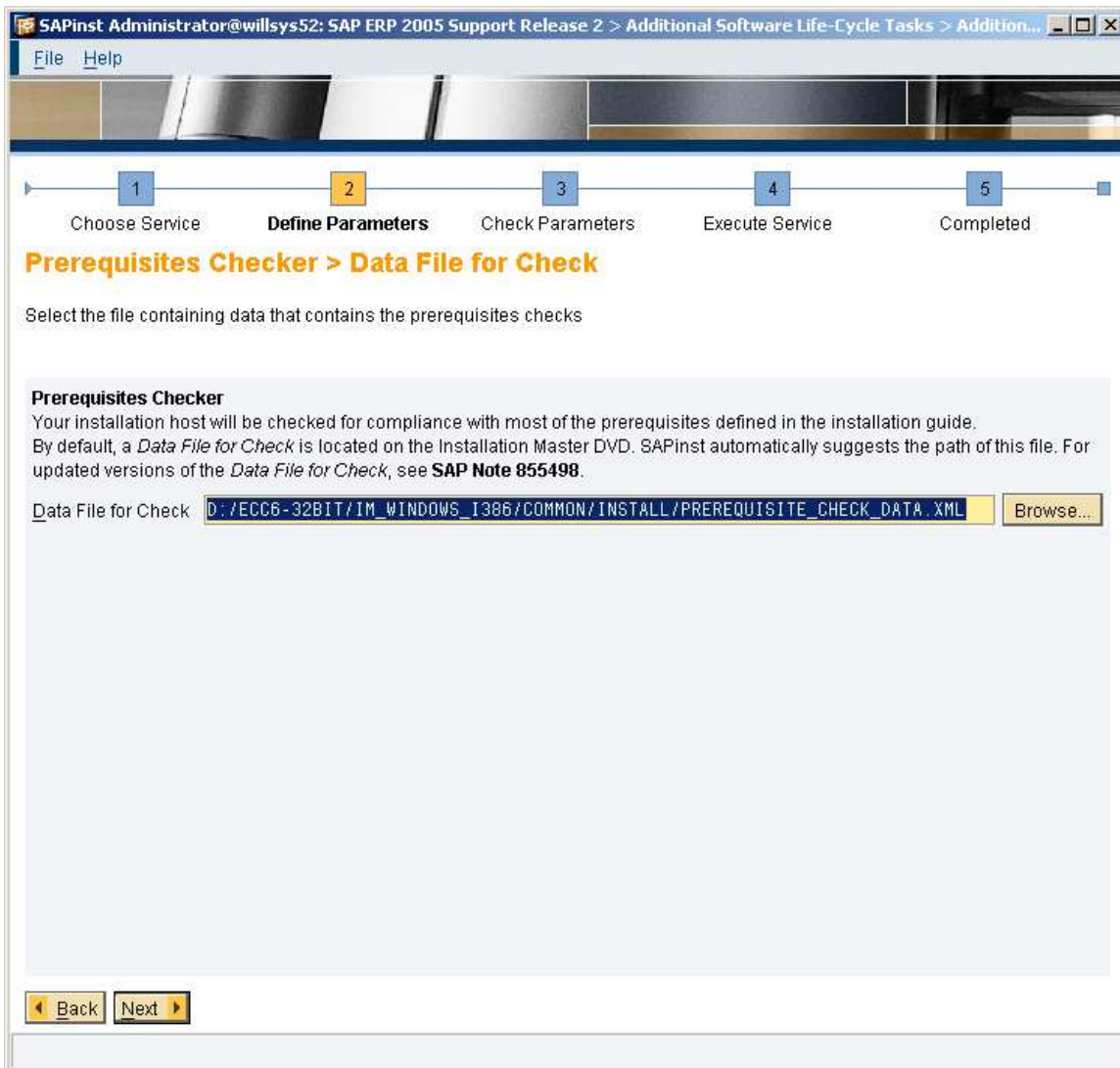
15. Run prerequisite checker before starting the installation.

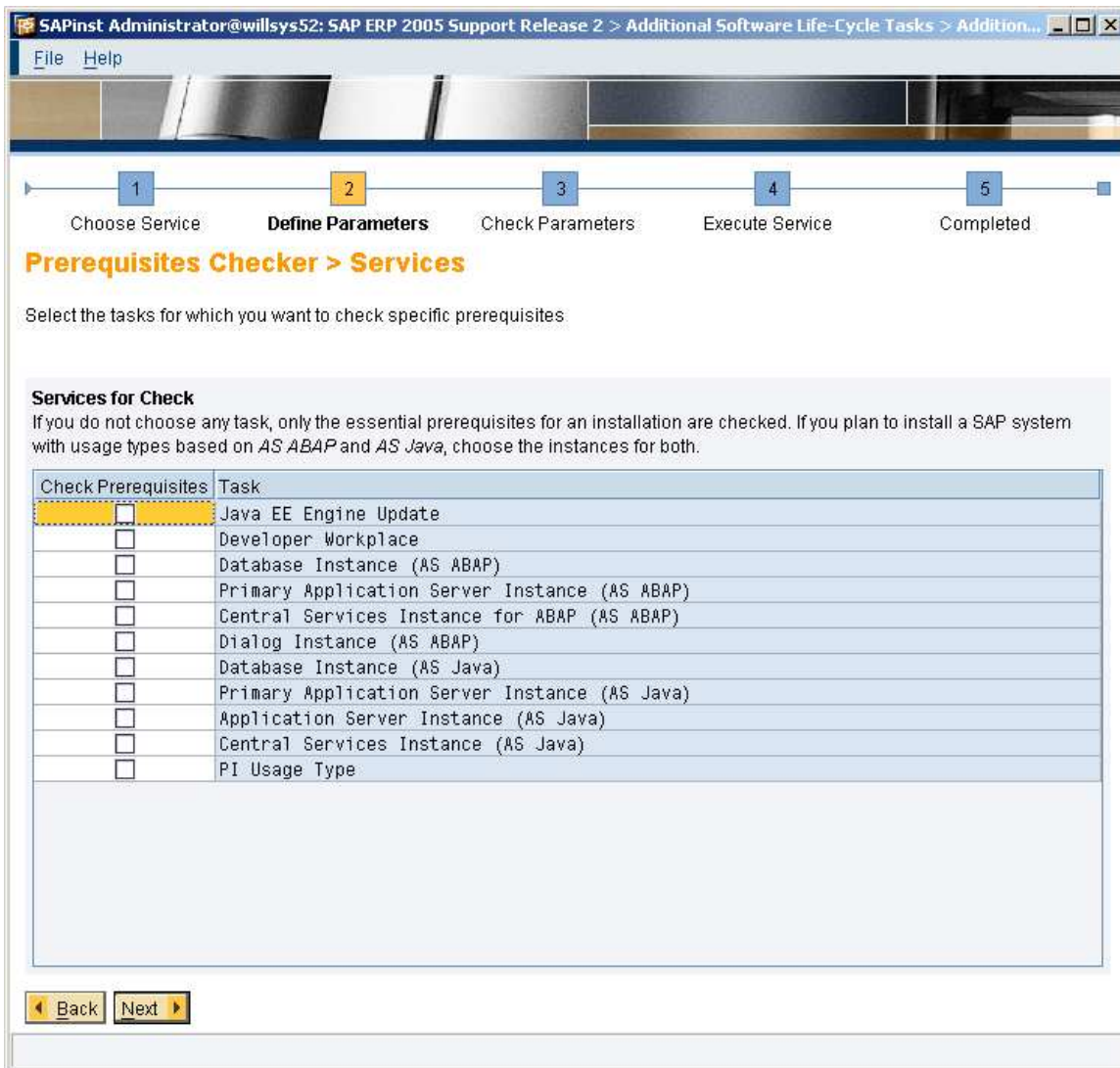




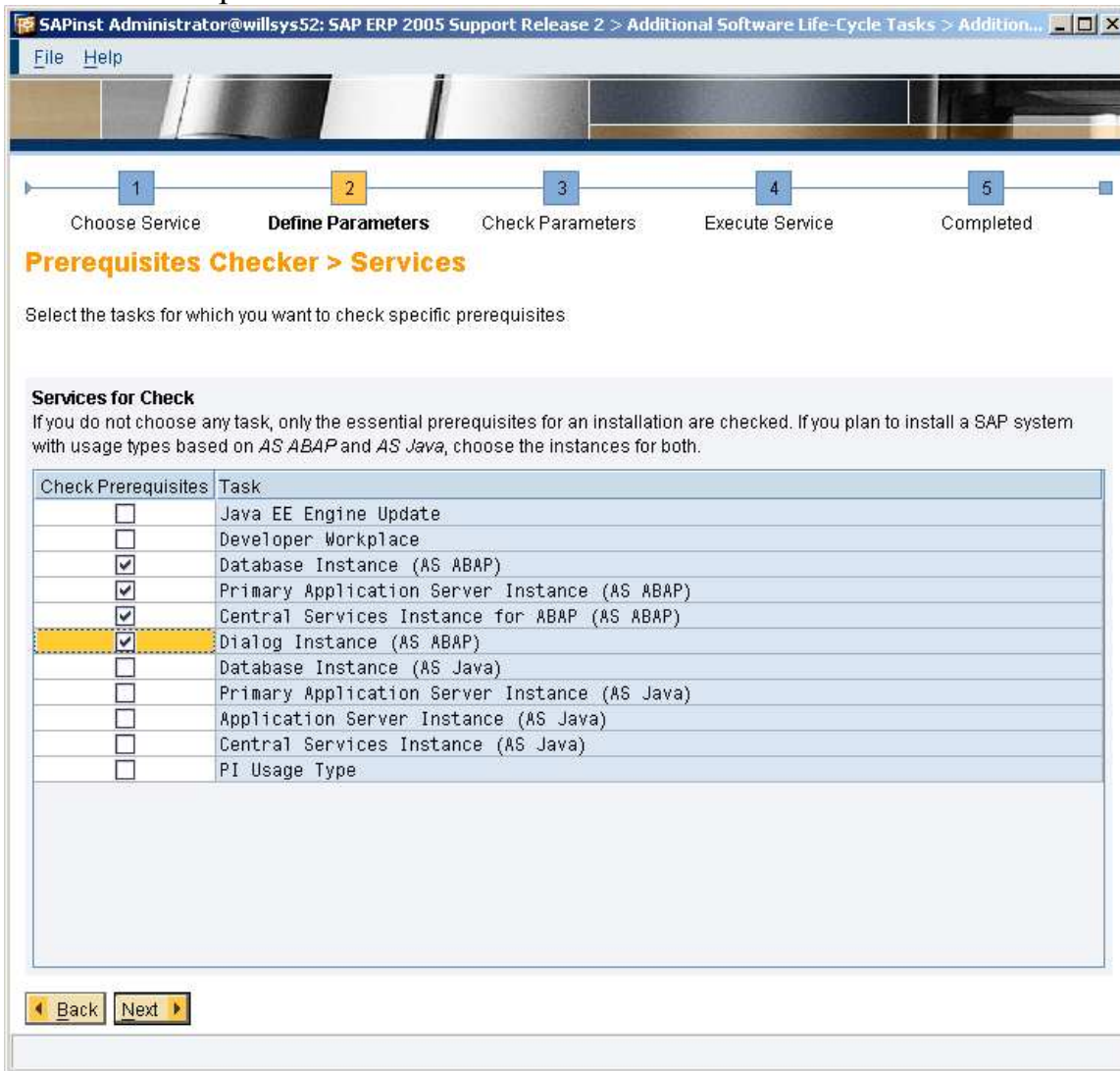








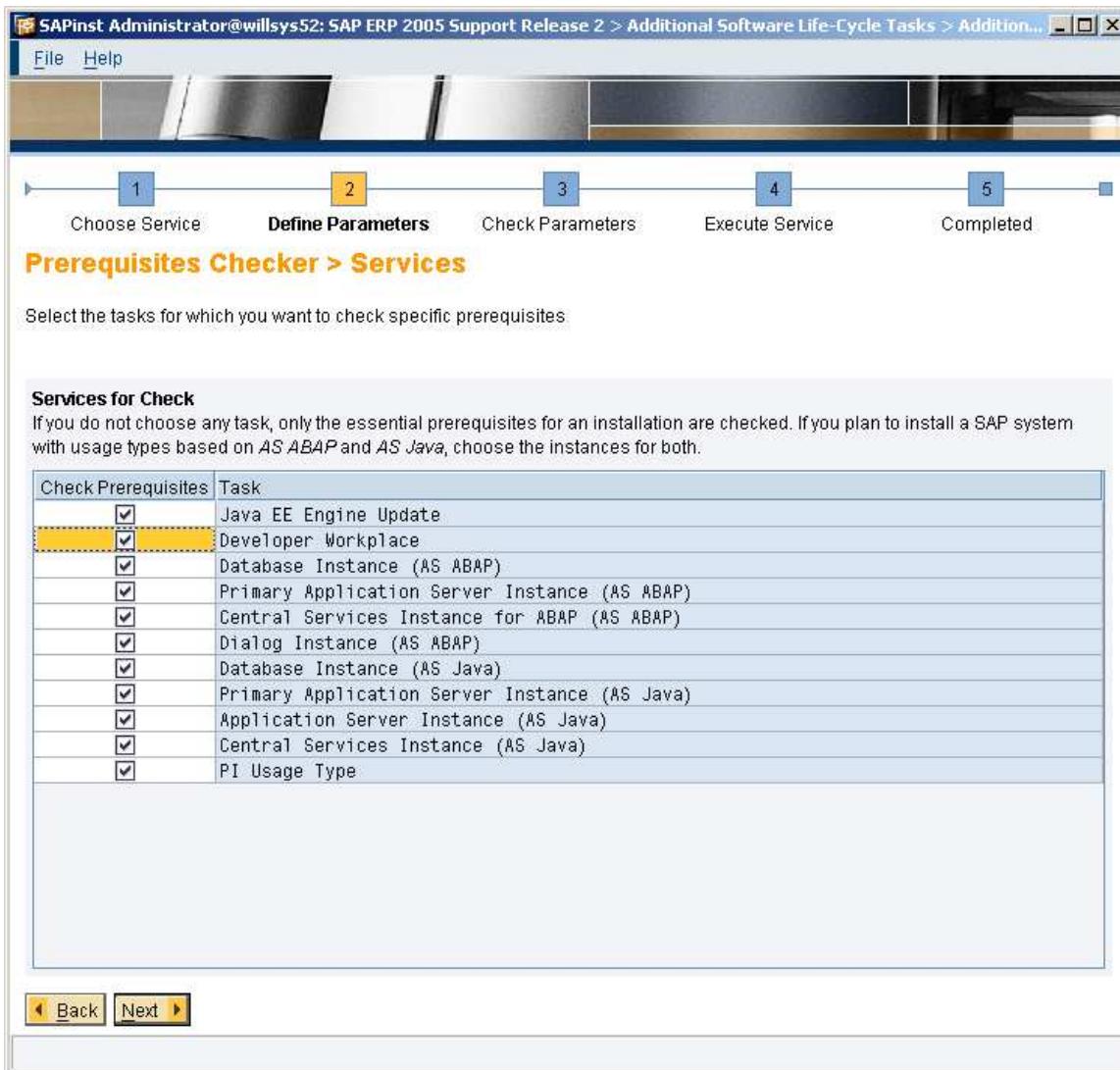
Select the component



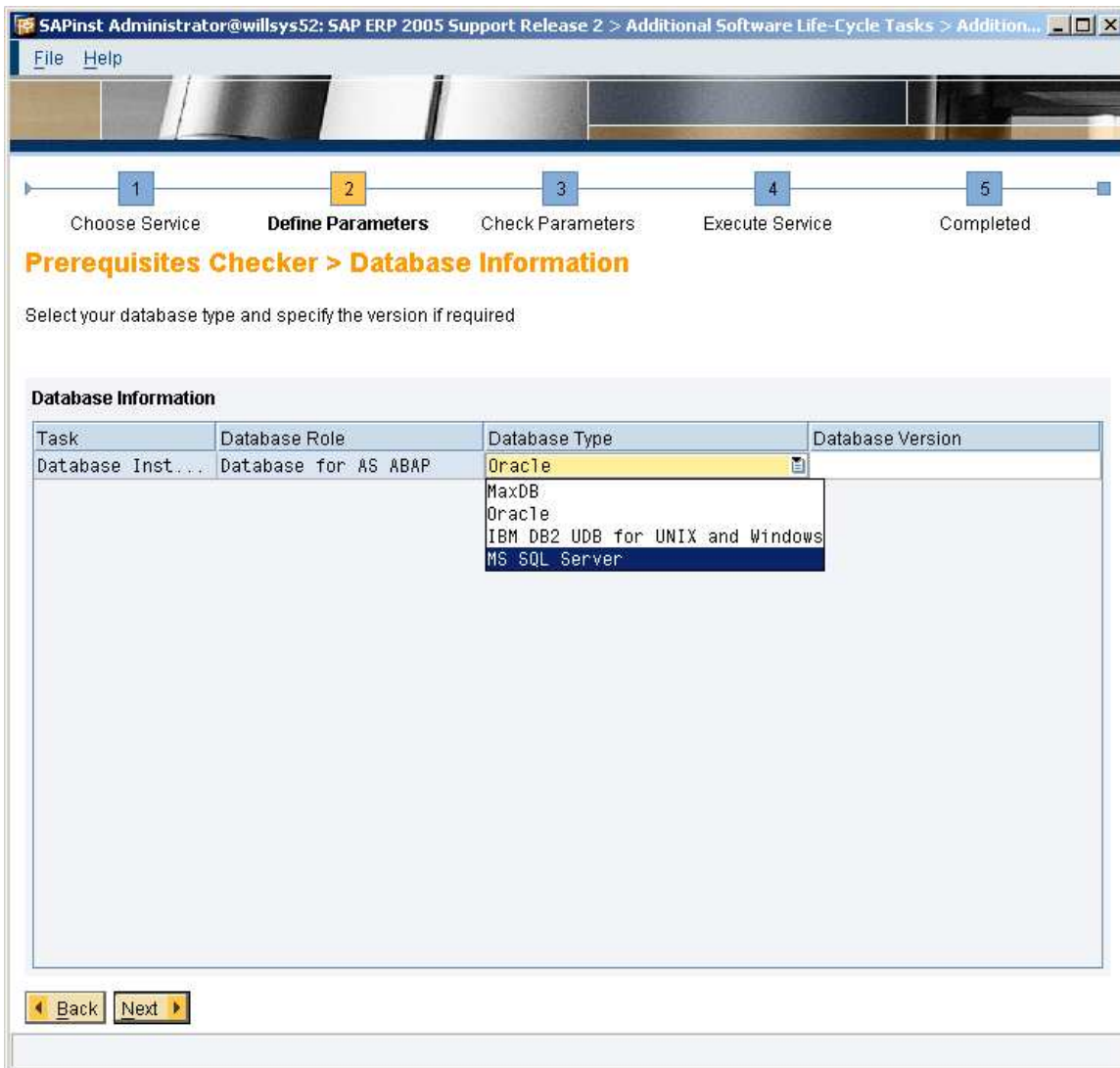
The screenshot shows the SAPinst Administrator window with the following components:

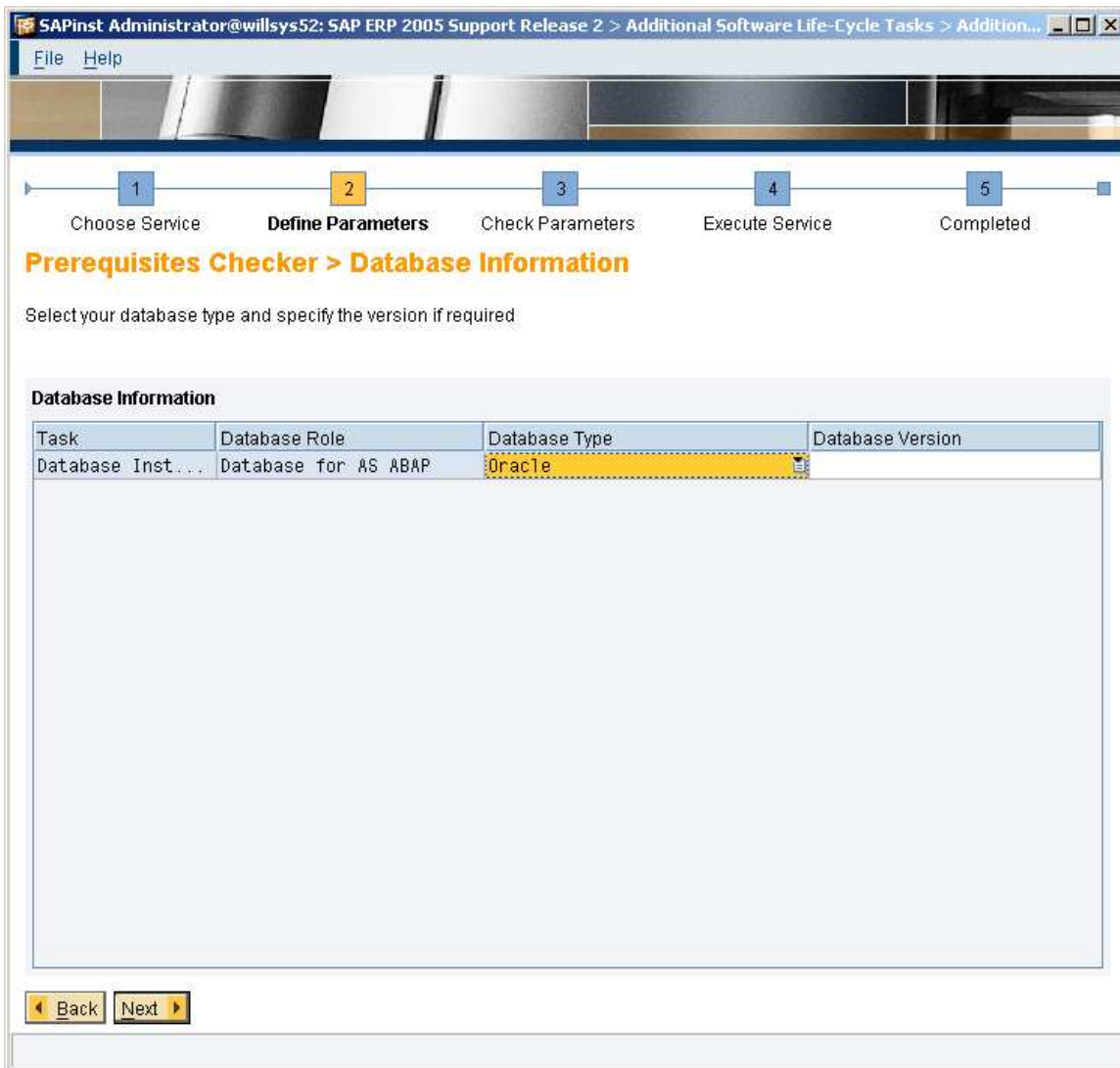
- Progress Bar:** A horizontal bar with five numbered steps: 1. Choose Service, 2. Define Parameters (highlighted in orange), 3. Check Parameters, 4. Execute Service, and 5. Completed.
- Prerequisites Checker > Services:** A section with the instruction: "Select the tasks for which you want to check specific prerequisites."
- Services for Check:** A sub-section with explanatory text: "If you do not choose any task, only the essential prerequisites for an installation are checked. If you plan to install a SAP system with usage types based on AS ABAP and AS Java, choose the instances for both."
- Task List Table:** A table with two columns: "Check Prerequisites" and "Task".
- Navigation:** "Back" and "Next" buttons at the bottom.

Check Prerequisites	Task
<input type="checkbox"/>	Java EE Engine Update
<input type="checkbox"/>	Developer Workplace
<input checked="" type="checkbox"/>	Database Instance (AS ABAP)
<input checked="" type="checkbox"/>	Primary Application Server Instance (AS ABAP)
<input checked="" type="checkbox"/>	Central Services Instance for ABAP (AS ABAP)
<input checked="" type="checkbox"/>	Dialog Instance (AS ABAP)
<input type="checkbox"/>	Database Instance (AS Java)
<input type="checkbox"/>	Primary Application Server Instance (AS Java)
<input type="checkbox"/>	Application Server Instance (AS Java)
<input type="checkbox"/>	Central Services Instance (AS Java)
<input type="checkbox"/>	PI Usage Type

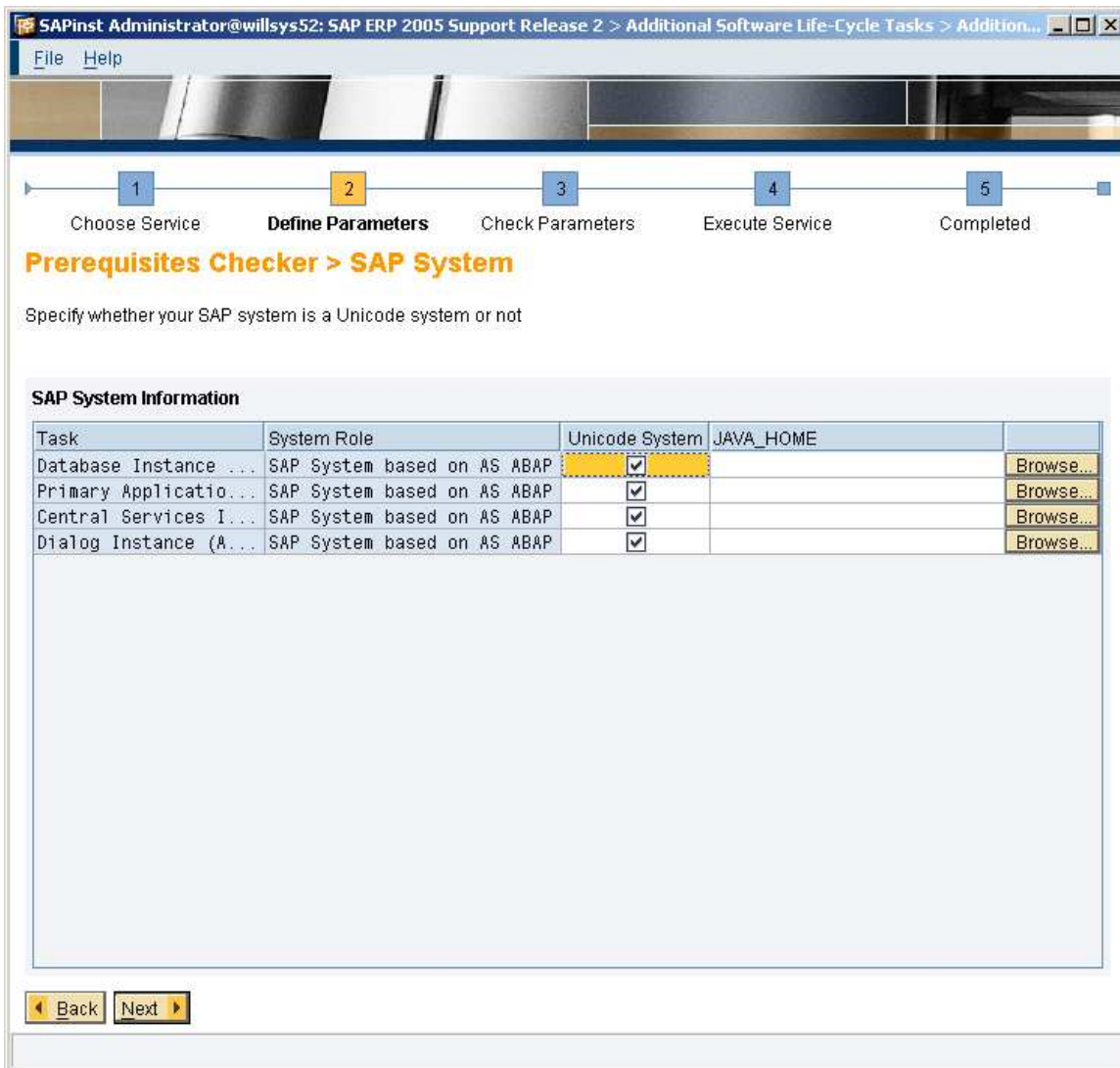


Click on next tab and select the database.





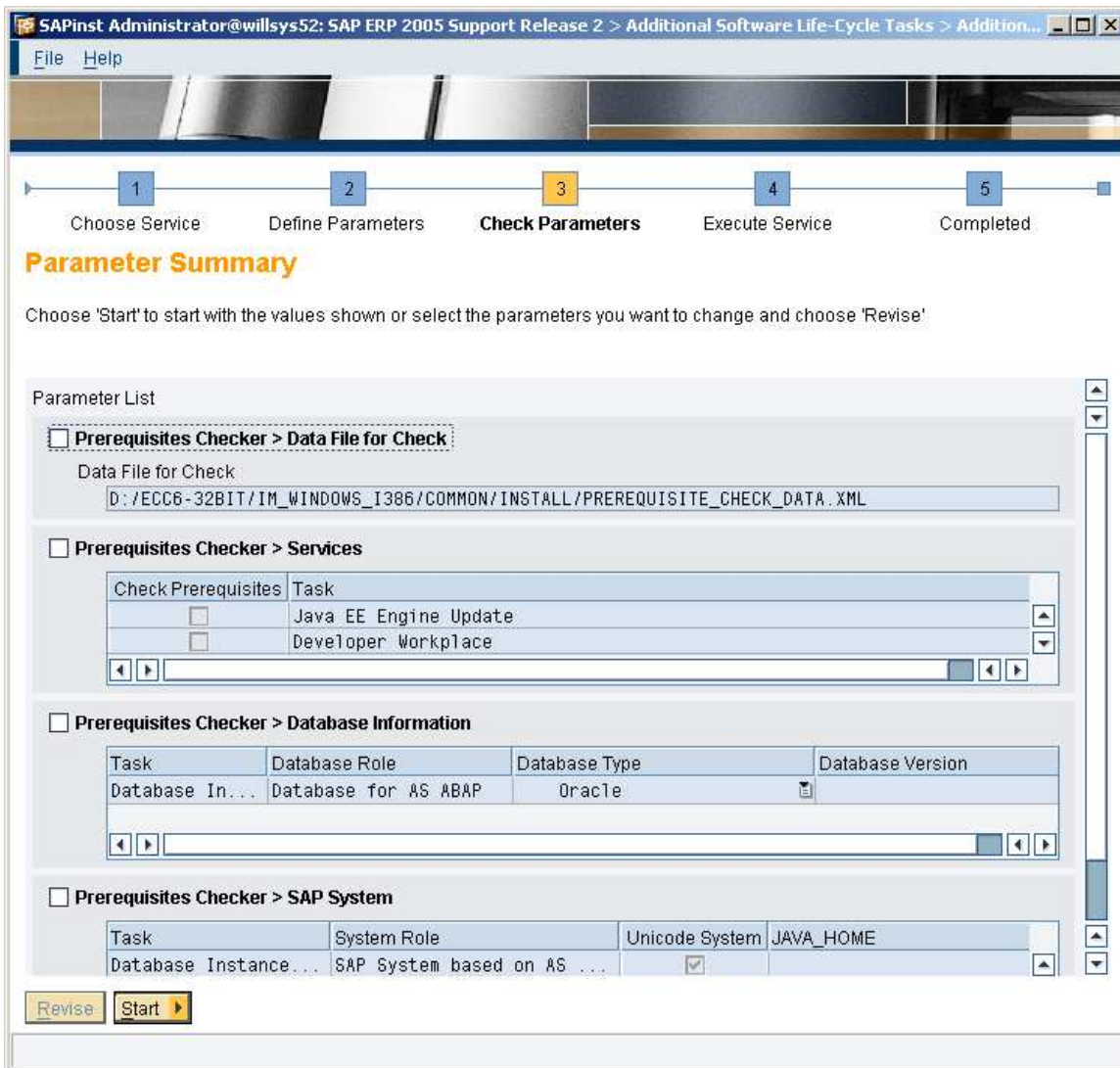
click on next tab



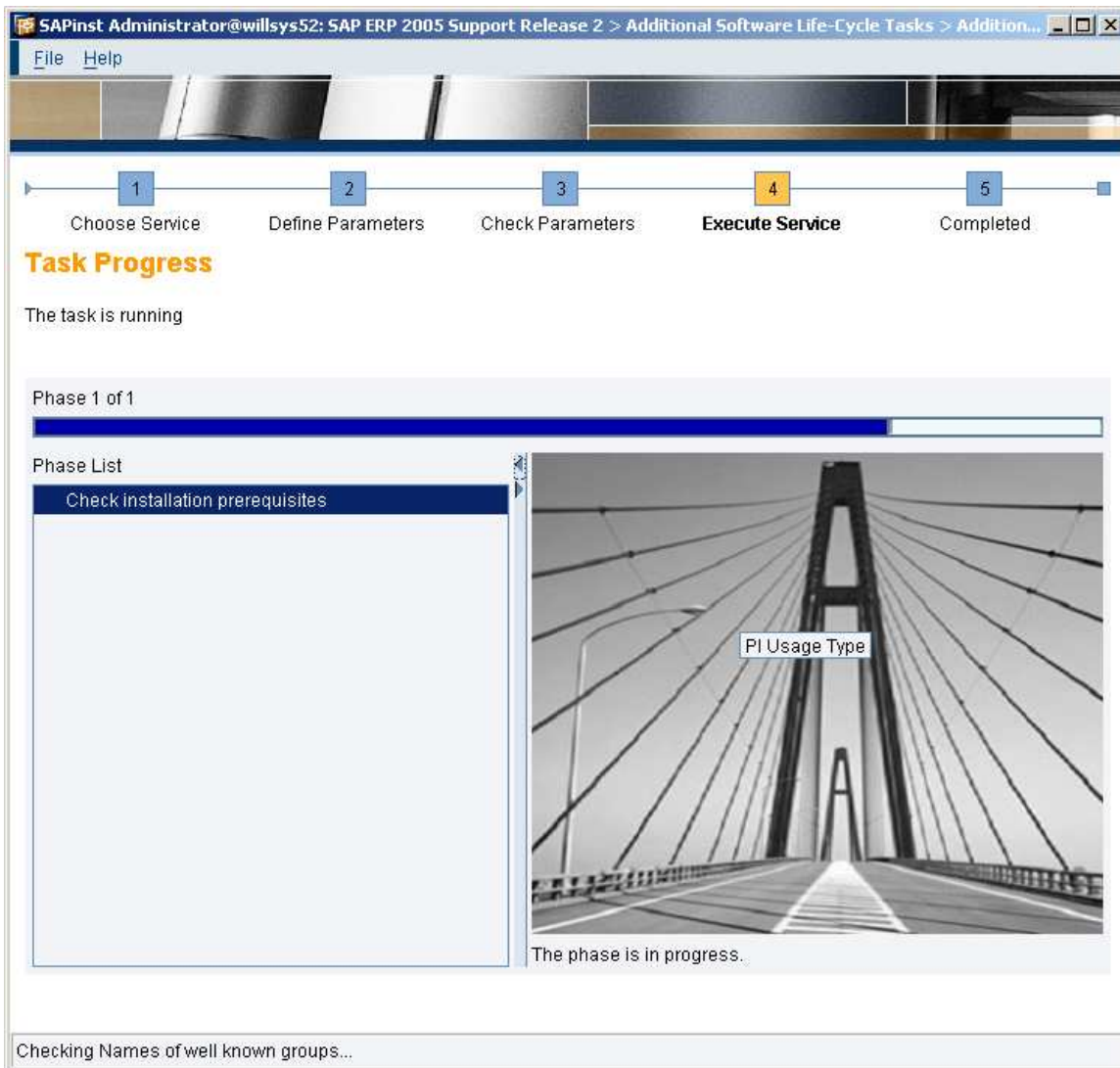
Specify whether your SAP system is a Unicode system or not

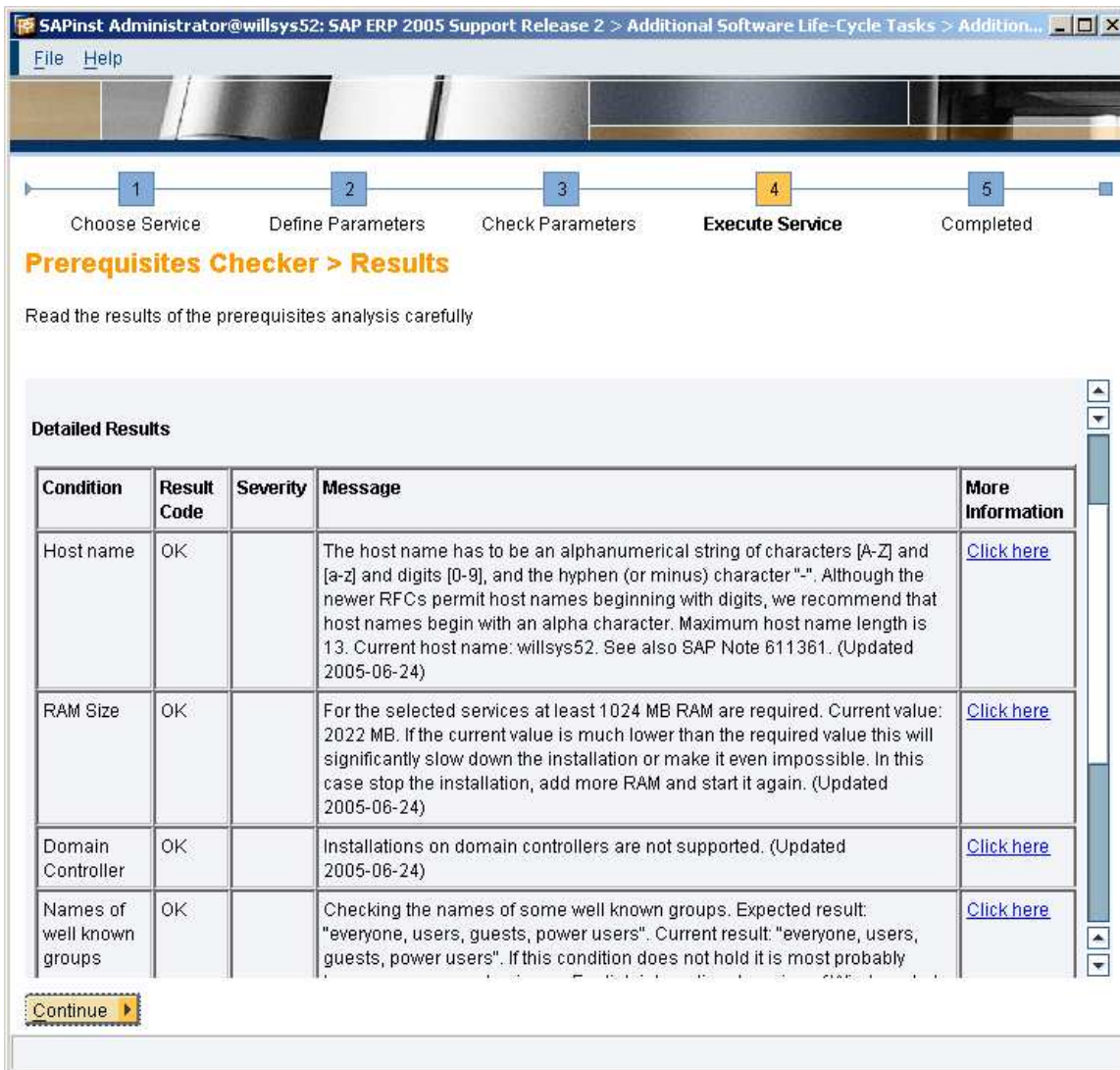
SAP System Information				
Task	System Role	Unicode System	JAVA_HOME	
Database Instance ...	SAP System based on AS ABAP	<input checked="" type="checkbox"/>		Browse...
Primary Applicatio...	SAP System based on AS ABAP	<input checked="" type="checkbox"/>		Browse...
Central Services I...	SAP System based on AS ABAP	<input checked="" type="checkbox"/>		Browse...
Dialog Instance (A...	SAP System based on AS ABAP	<input checked="" type="checkbox"/>		Browse...

◀ Back Next ▶

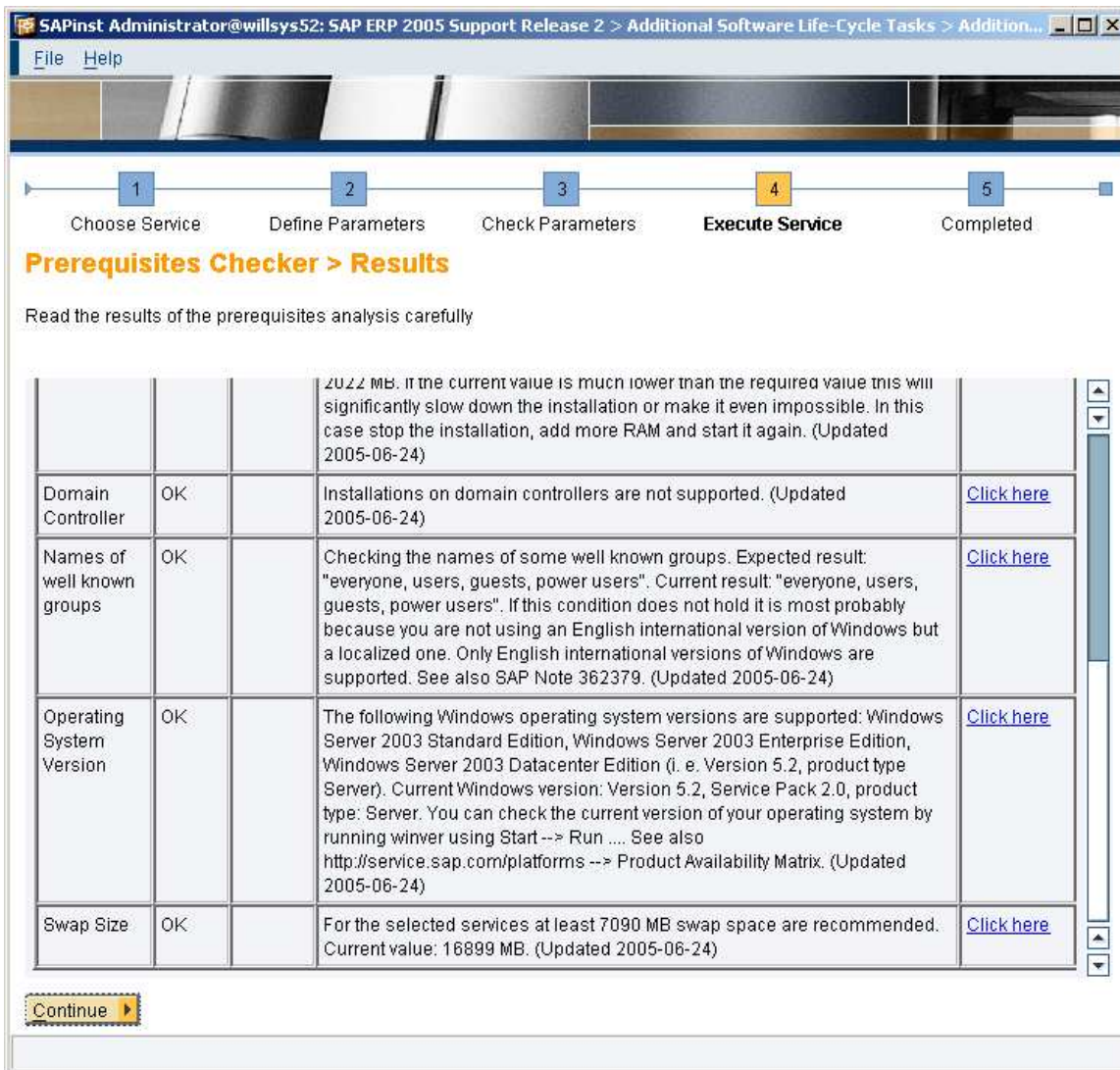


Click on START tab.





It Pops up with the screen below. If we have an error here, before actually proceeding further the issue has to be fixed.

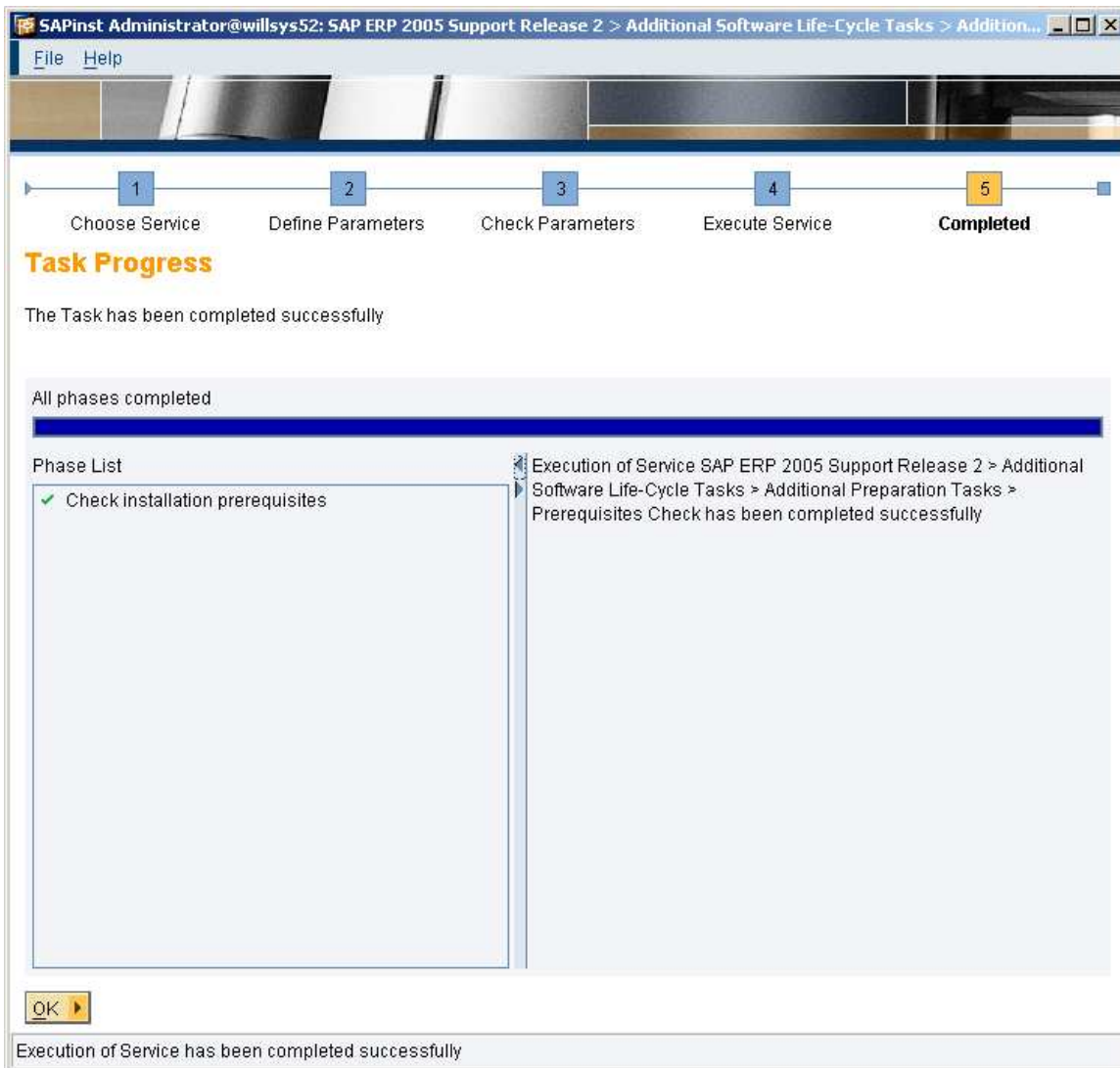


Prerequisites Checker > Results

Read the results of the prerequisites analysis carefully

			2022 MB. If the current value is much lower than the required value this will significantly slow down the installation or make it even impossible. In this case stop the installation, add more RAM and start it again. (Updated 2005-06-24)	
Domain Controller	OK		Installations on domain controllers are not supported. (Updated 2005-06-24)	Click here
Names of well known groups	OK		Checking the names of some well known groups. Expected result: "everyone, users, guests, power users". Current result: "everyone, users, guests, power users". If this condition does not hold it is most probably because you are not using an English international version of Windows but a localized one. Only English international versions of Windows are supported. See also SAP Note 362379. (Updated 2005-06-24)	Click here
Operating System Version	OK		The following Windows operating system versions are supported: Windows Server 2003 Standard Edition, Windows Server 2003 Enterprise Edition, Windows Server 2003 Datacenter Edition (i. e. Version 5.2, product type Server). Current Windows version: Version 5.2, Service Pack 2.0, product type: Server. You can check the current version of your operating system by running winver using Start --> Run See also http://service.sap.com/platforms --> Product Availability Matrix. (Updated 2005-06-24)	Click here
Swap Size	OK		For the selected services at least 7090 MB swap space are recommended. Current value: 16899 MB. (Updated 2005-06-24)	Click here

Continue ▶

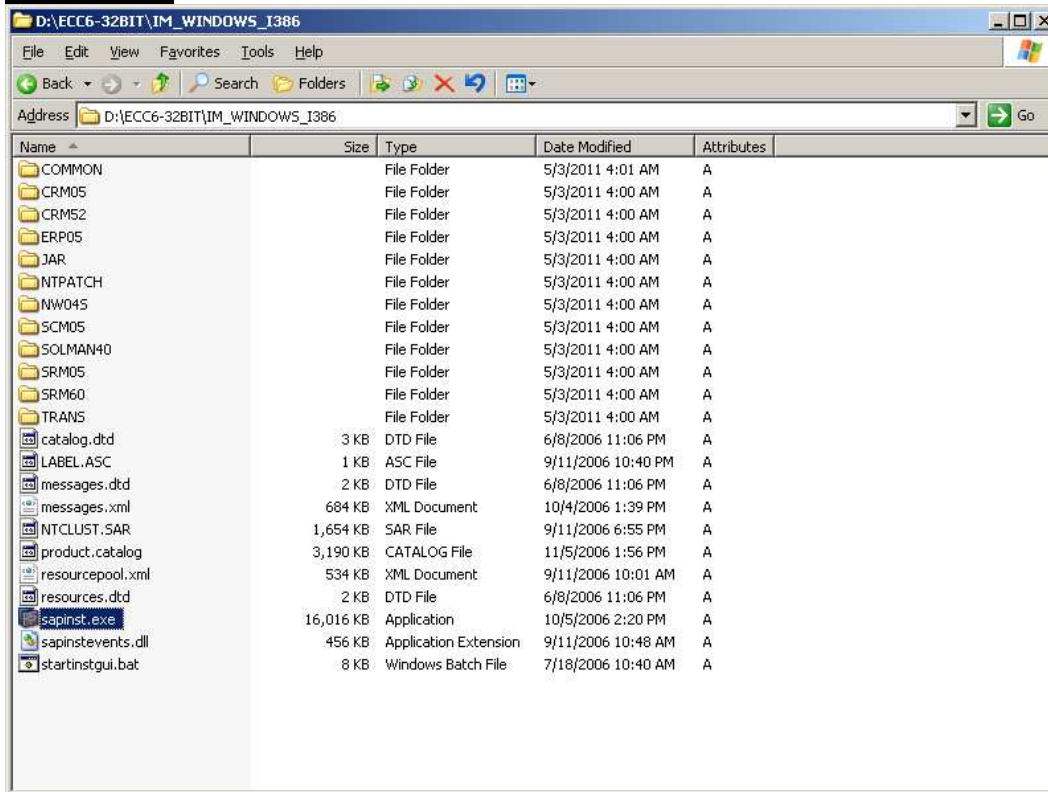


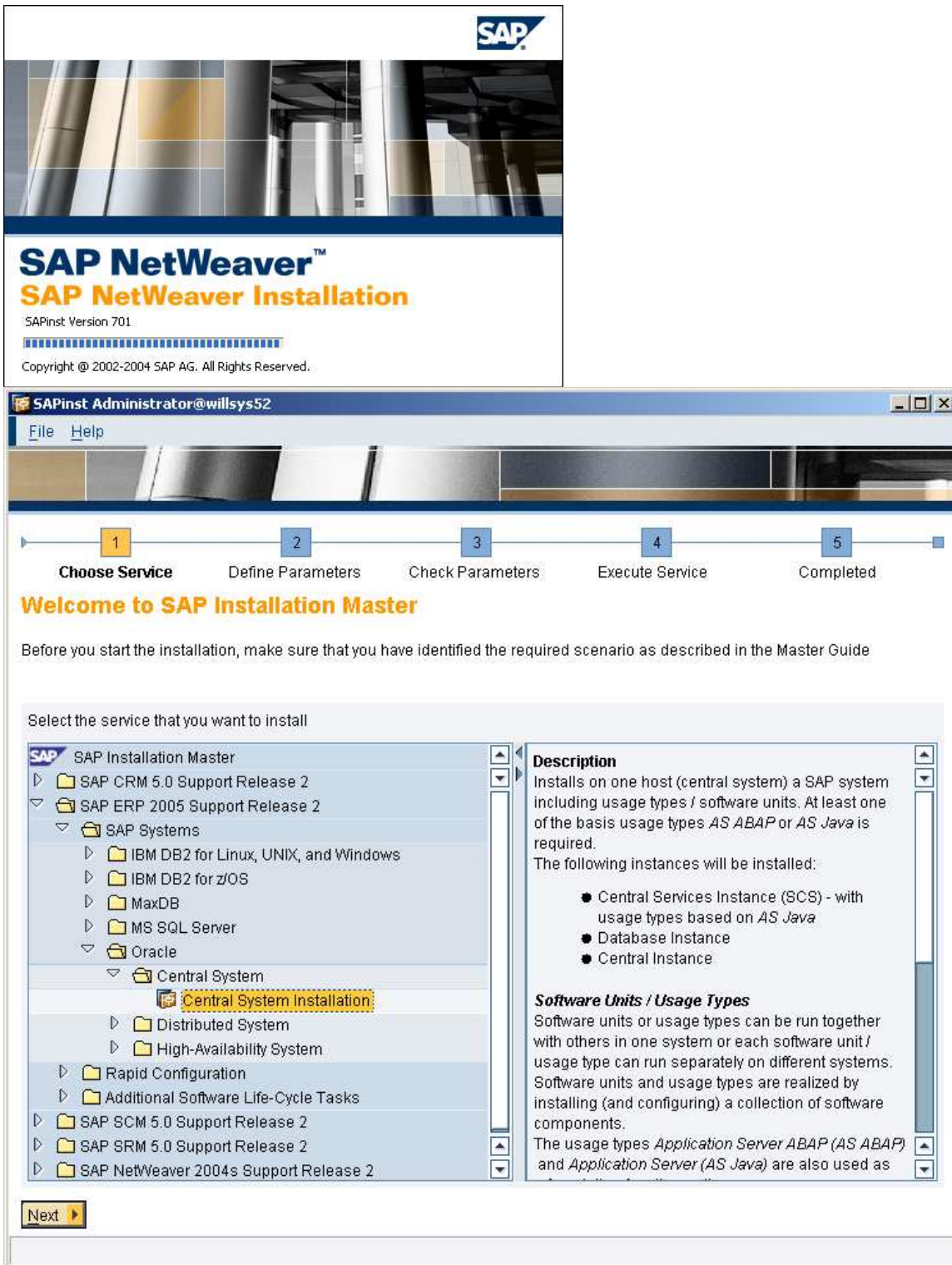
NOW START THE SAP INSTALLATION.

Open the INSTALLATION MASTER DVD

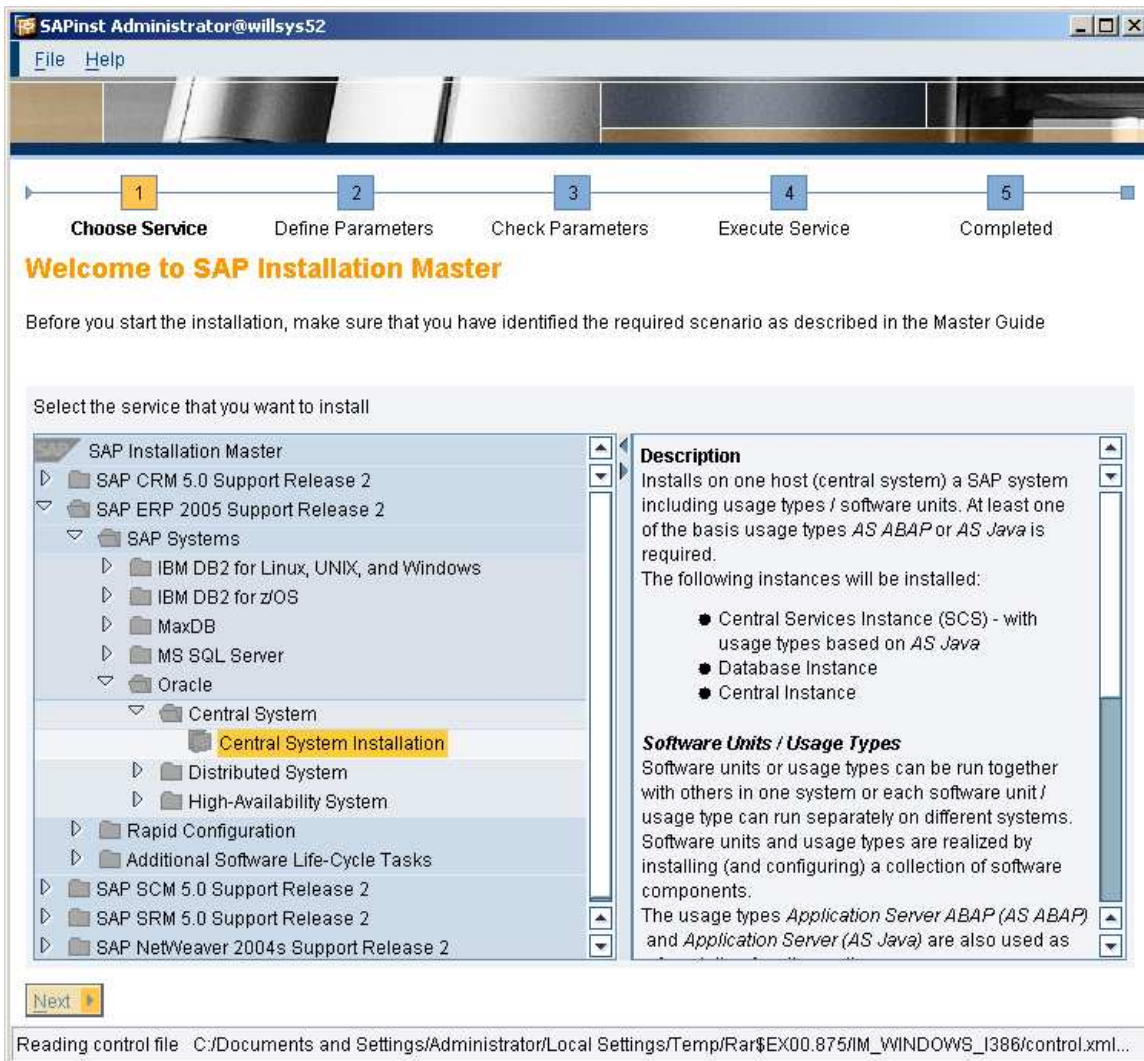
Click on

sapinst.exe





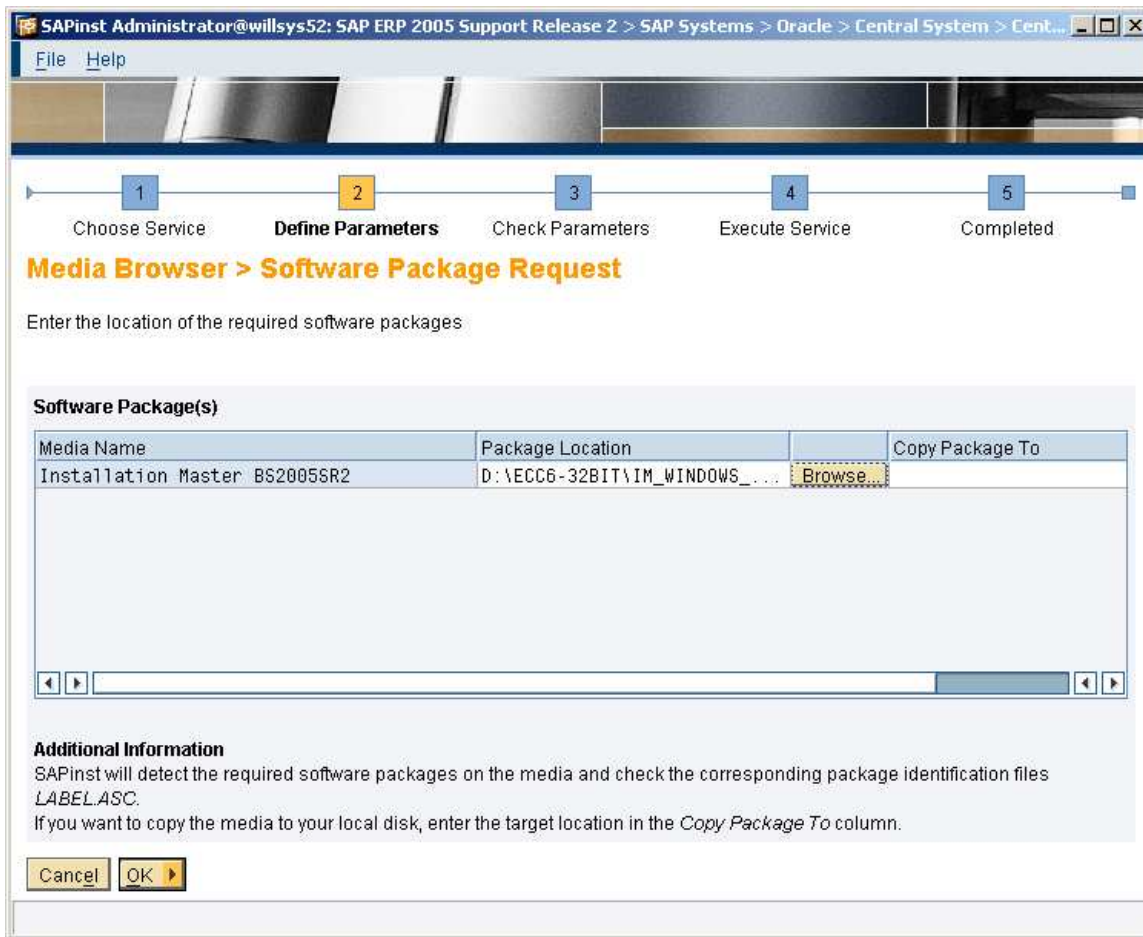
Navigate to central system installation, depending upon requirement.

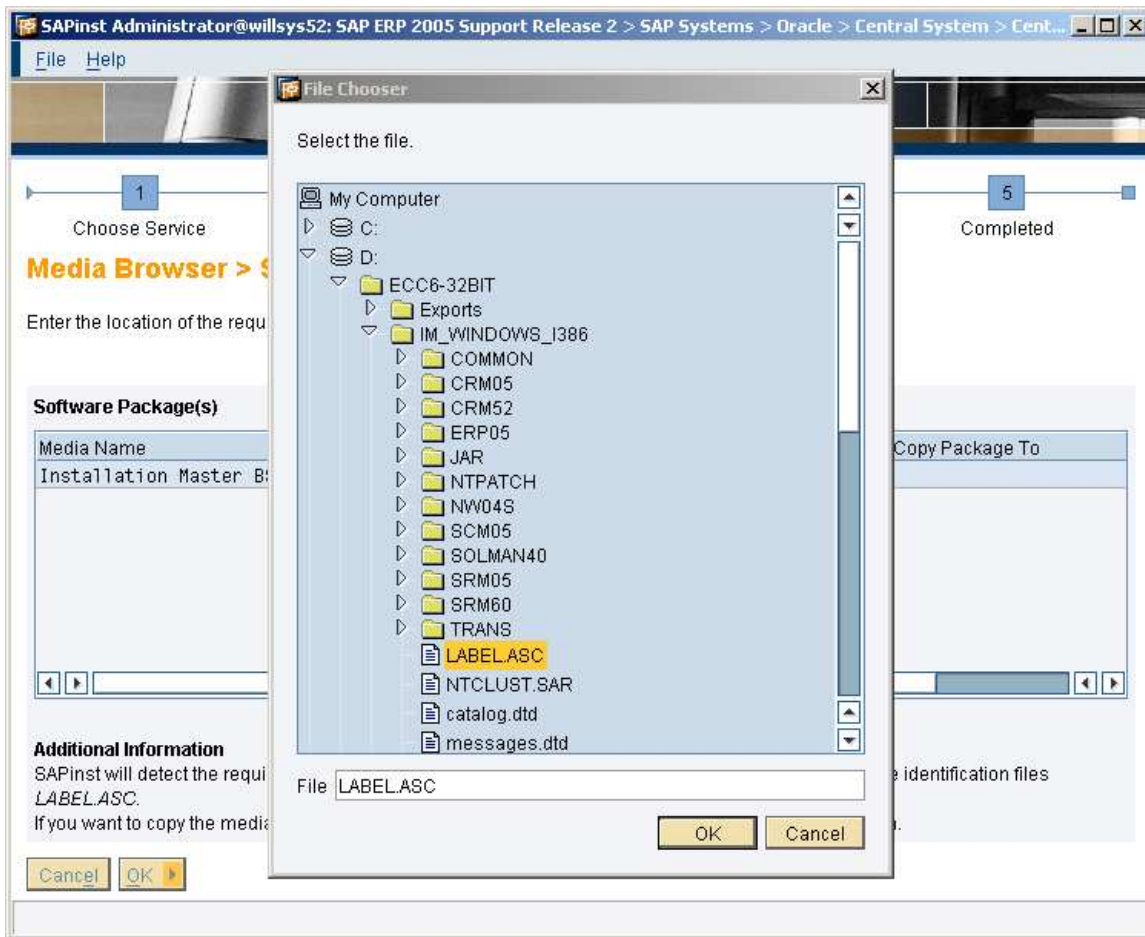


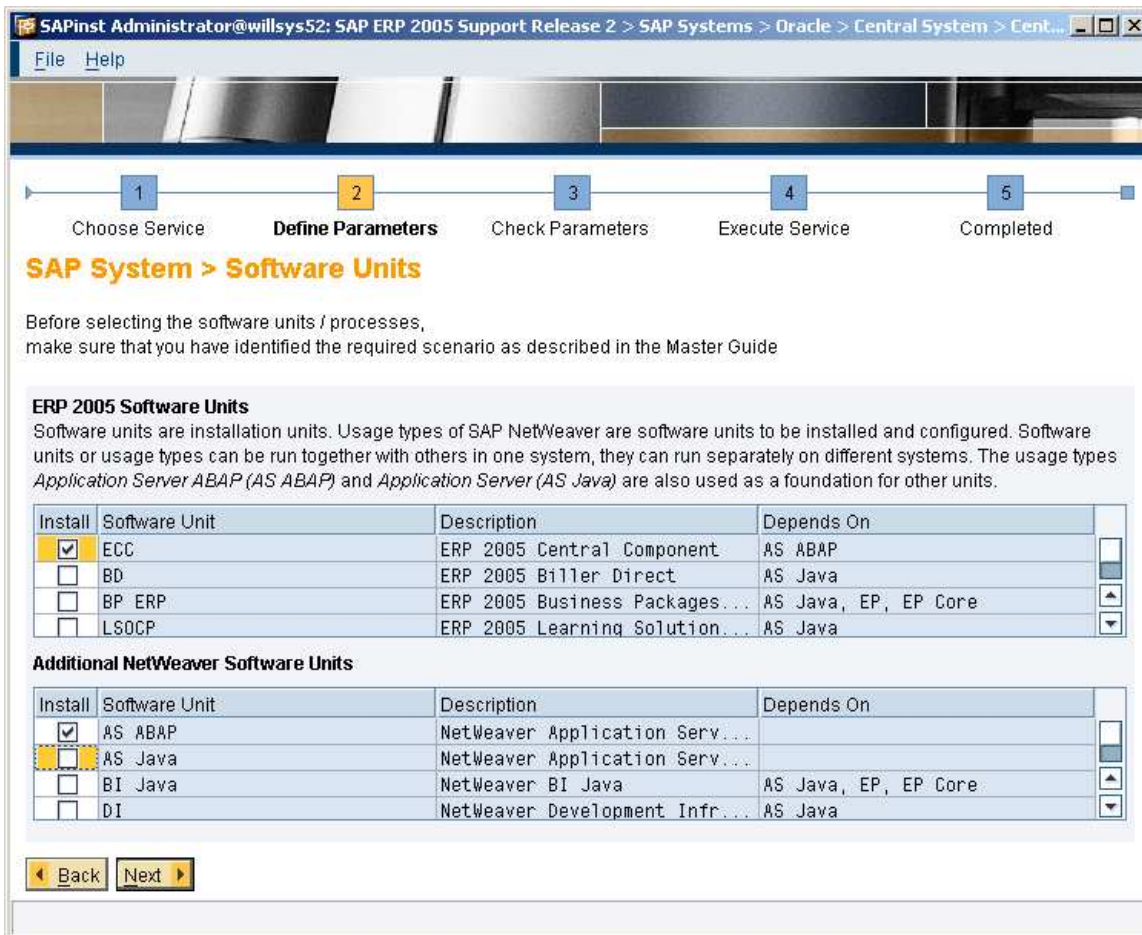
Select **TYPICAL**



Its asks for **logoff**.







SAP System > Software Units

Before selecting the software units / processes, make sure that you have identified the required scenario as described in the Master Guide

ERP 2005 Software Units

Software units are installation units. Usage types of SAP NetWeaver are software units to be installed and configured. Software units or usage types can be run together with others in one system, they can run separately on different systems. The usage types *Application Server ABAP (AS ABAP)* and *Application Server (AS Java)* are also used as a foundation for other units.

Install	Software Unit	Description	Depends On
<input checked="" type="checkbox"/>	ECC	ERP 2005 Central Component	AS ABAP
<input type="checkbox"/>	BD	ERP 2005 Biller Direct	AS Java
<input type="checkbox"/>	BP ERP	ERP 2005 Business Packages...	AS Java, EP, EP Core
<input type="checkbox"/>	LSOCP	ERP 2005 Learning Solution...	AS Java

Additional NetWeaver Software Units

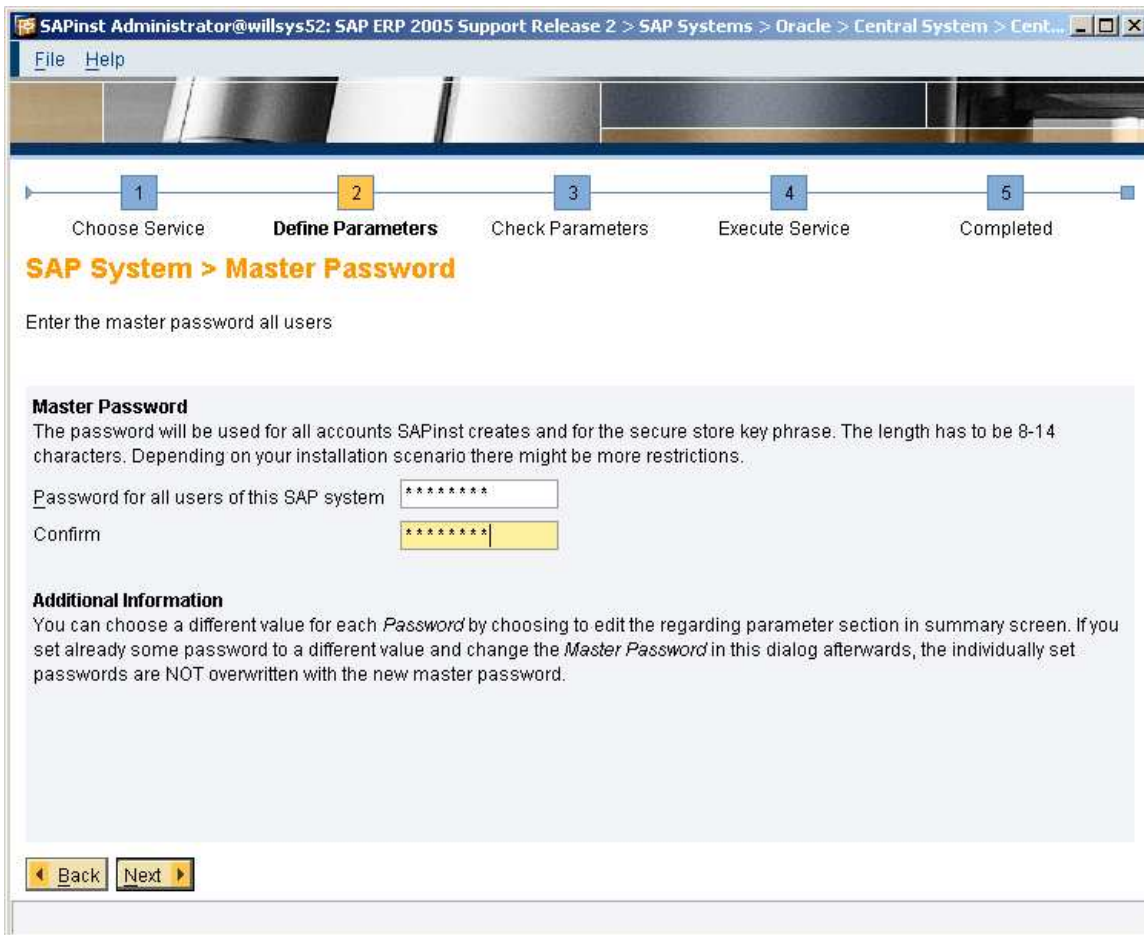
Install	Software Unit	Description	Depends On
<input checked="" type="checkbox"/>	AS ABAP	NetWeaver Application Serv...	
<input type="checkbox"/>	AS Java	NetWeaver Application Serv...	
<input type="checkbox"/>	BI Java	NetWeaver BI Java	AS Java, EP, EP Core
<input type="checkbox"/>	DI	NetWeaver Development Infr...	AS Java

◀ Back Next ▶

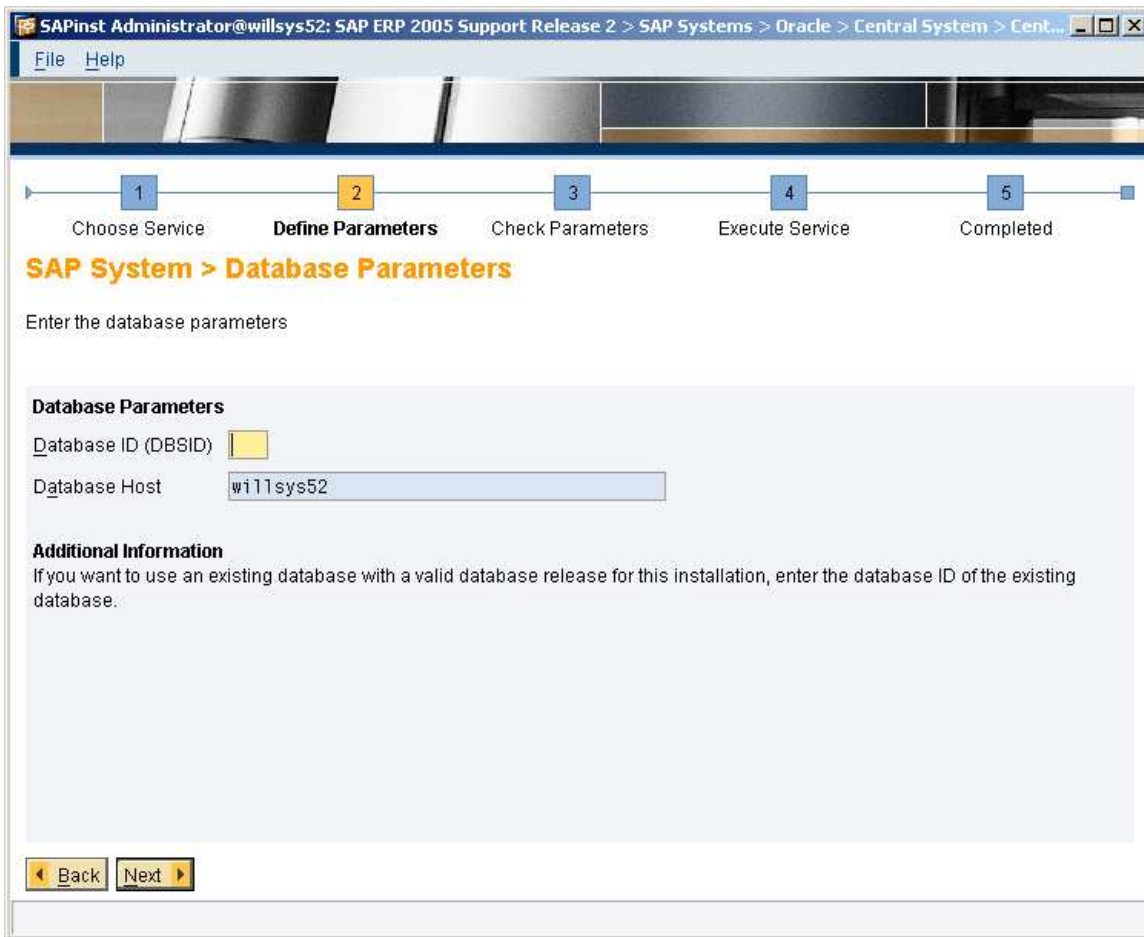
Select the component that needs to be installed.



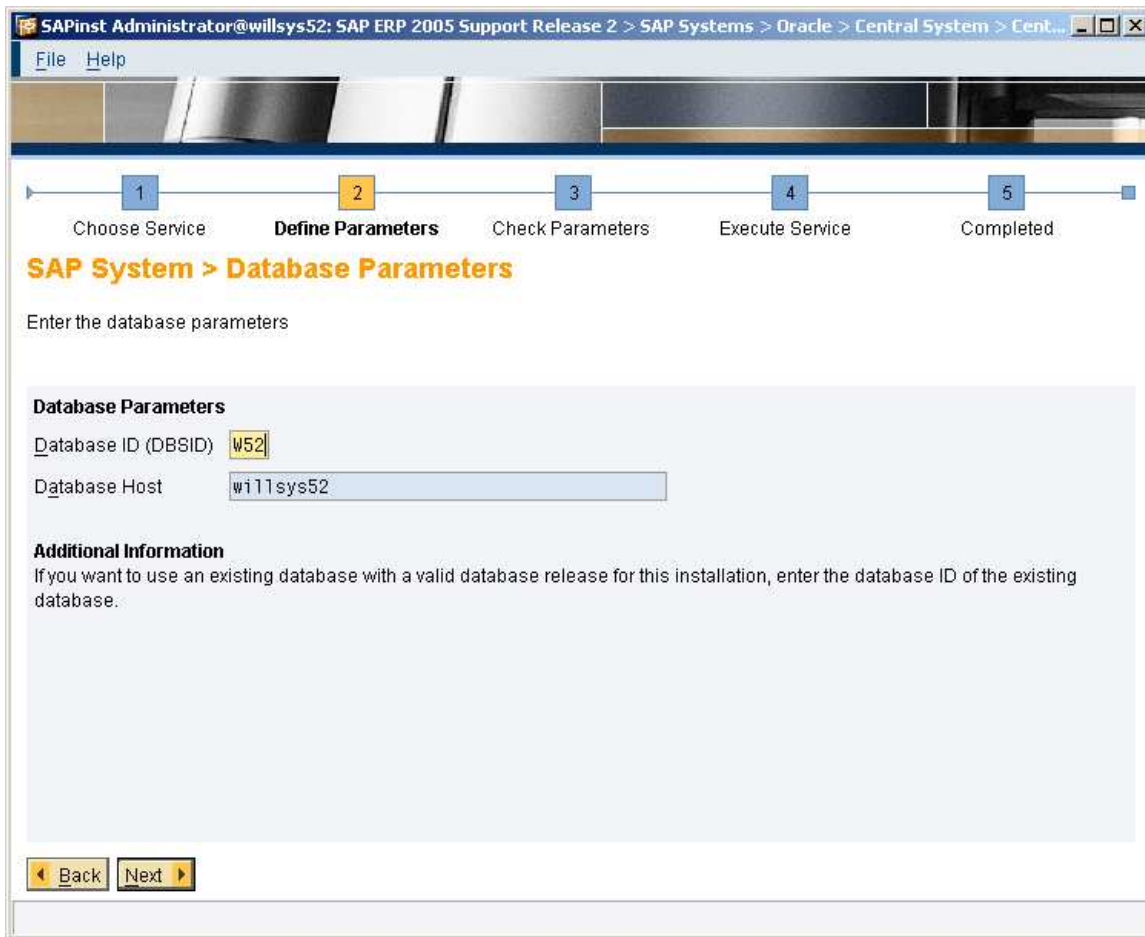
Specify the installation drive.

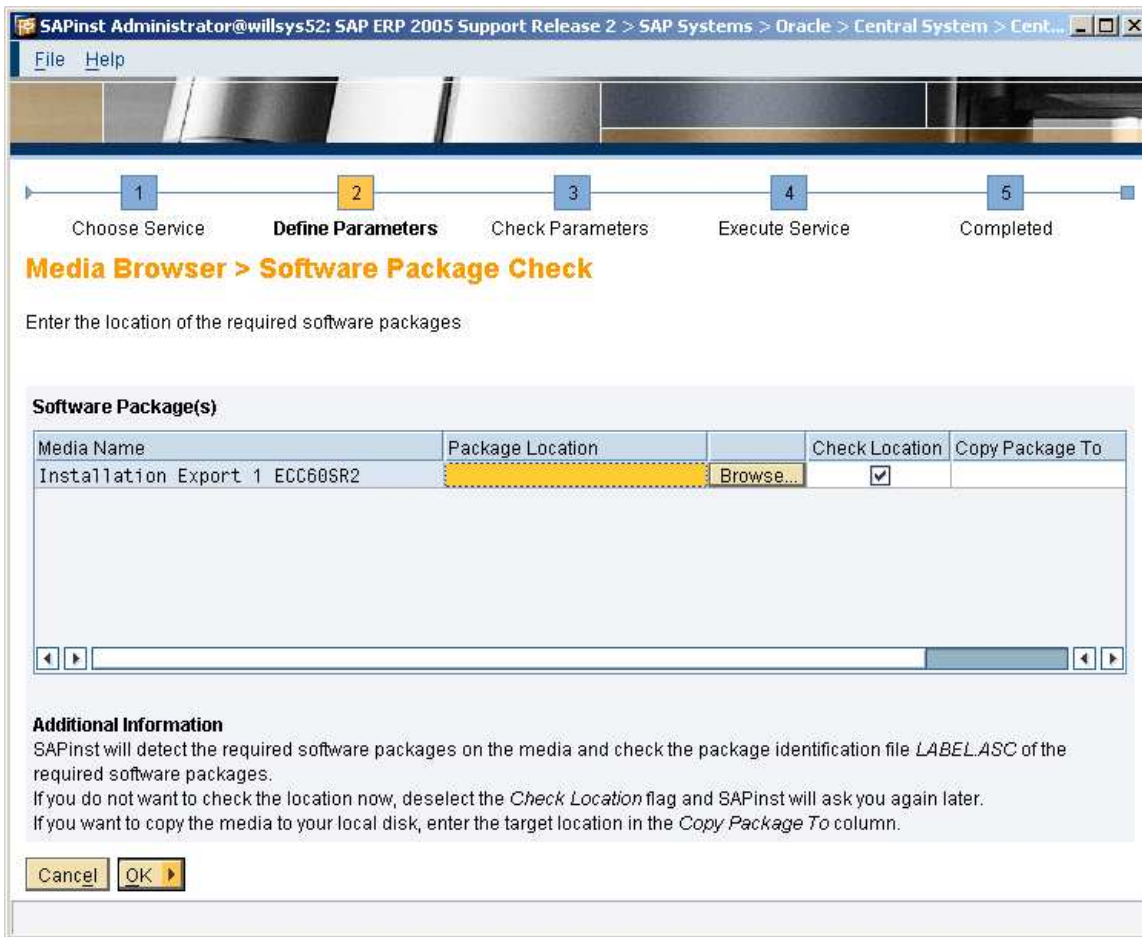


Provide the password

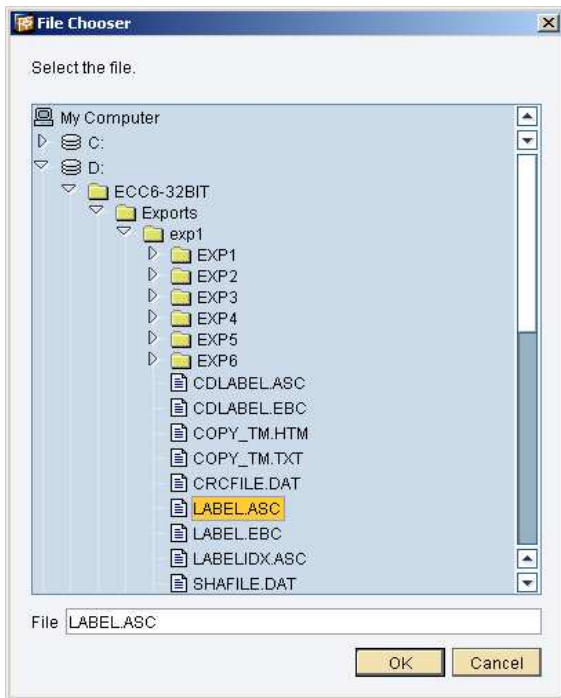


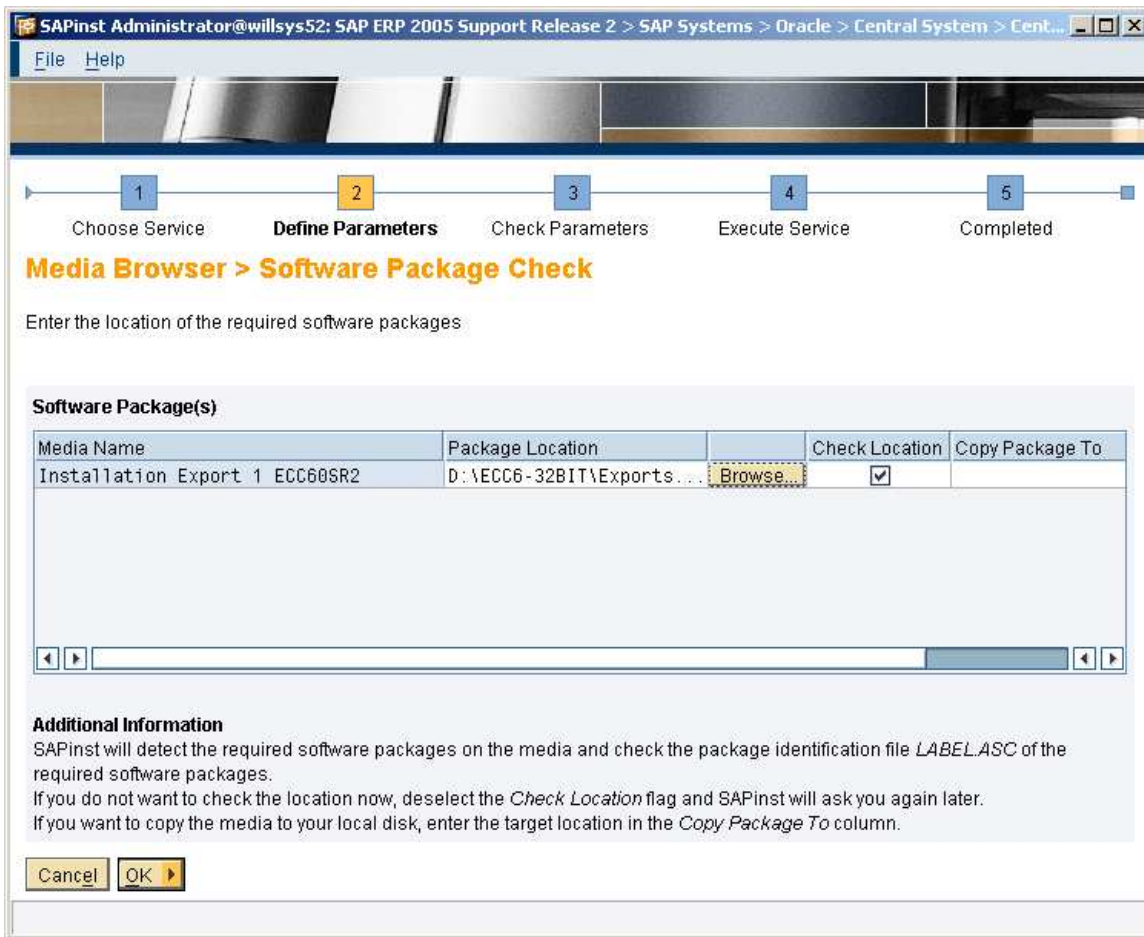
Specify the SID for the system

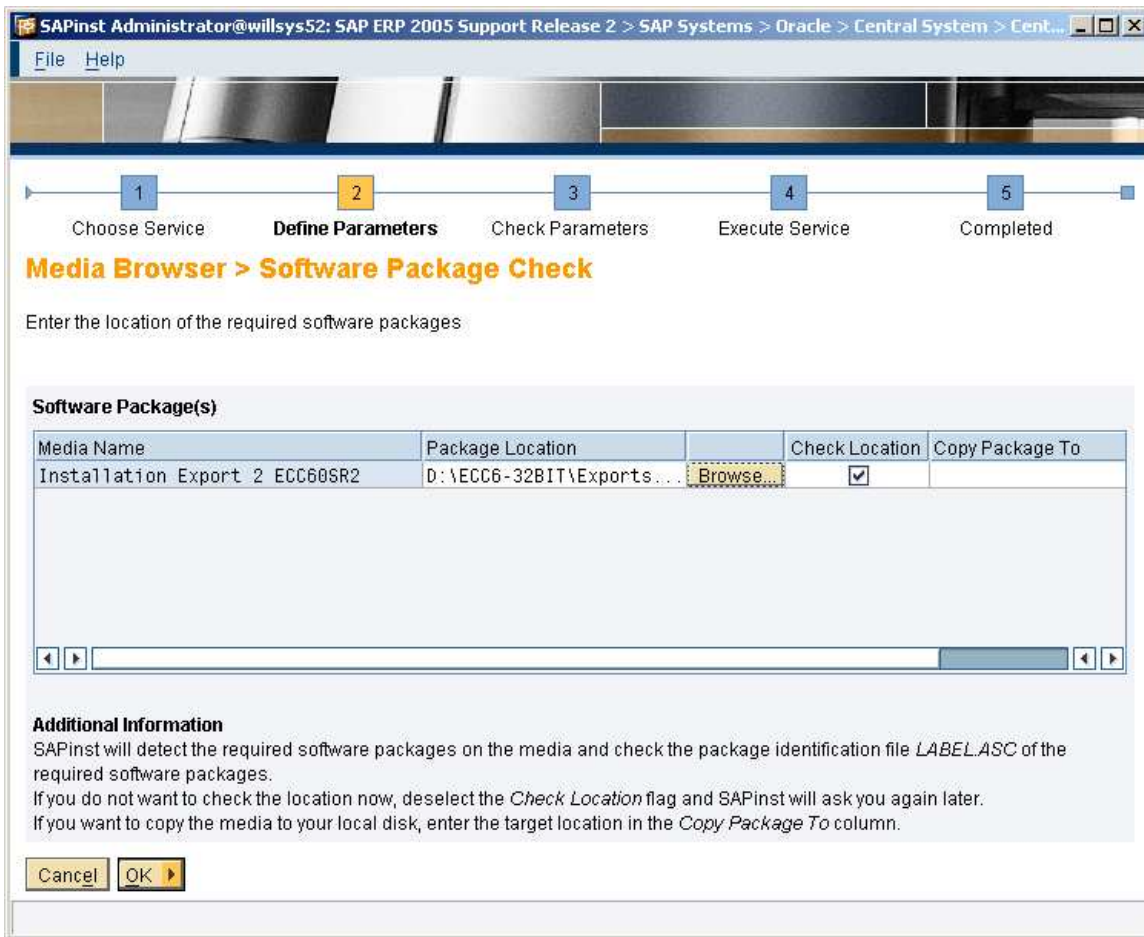


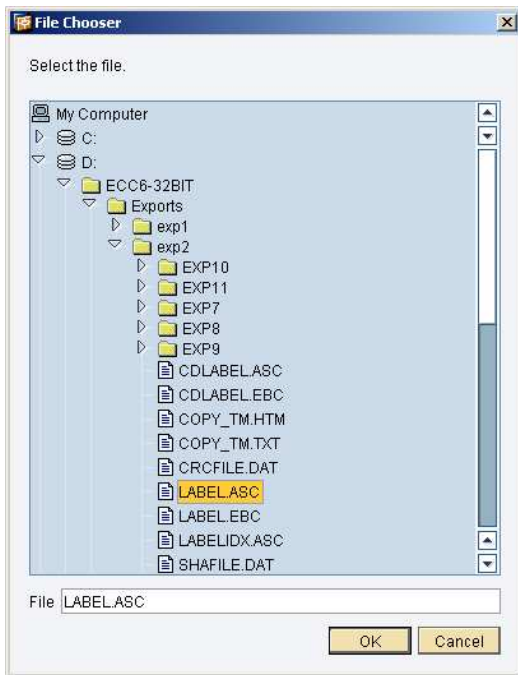


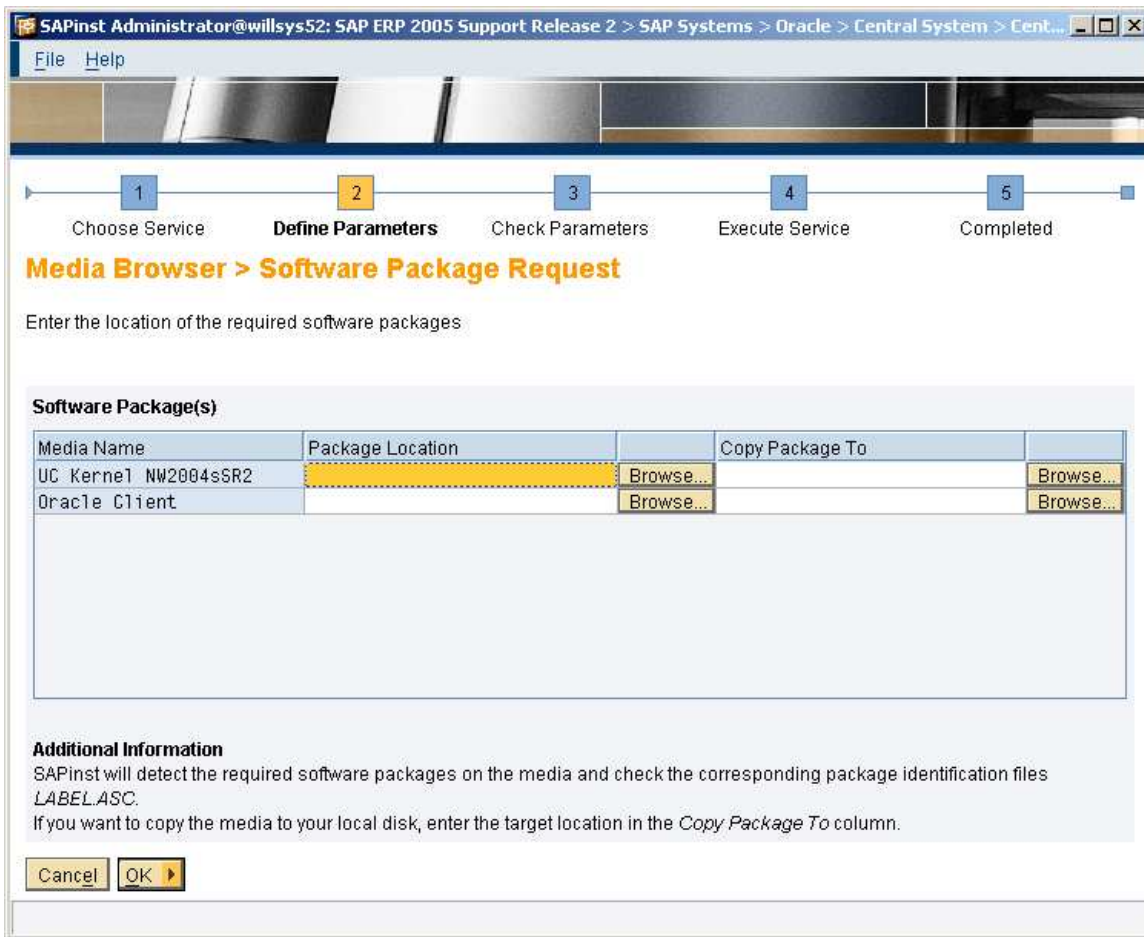
Browse for the location and select *label.asc*



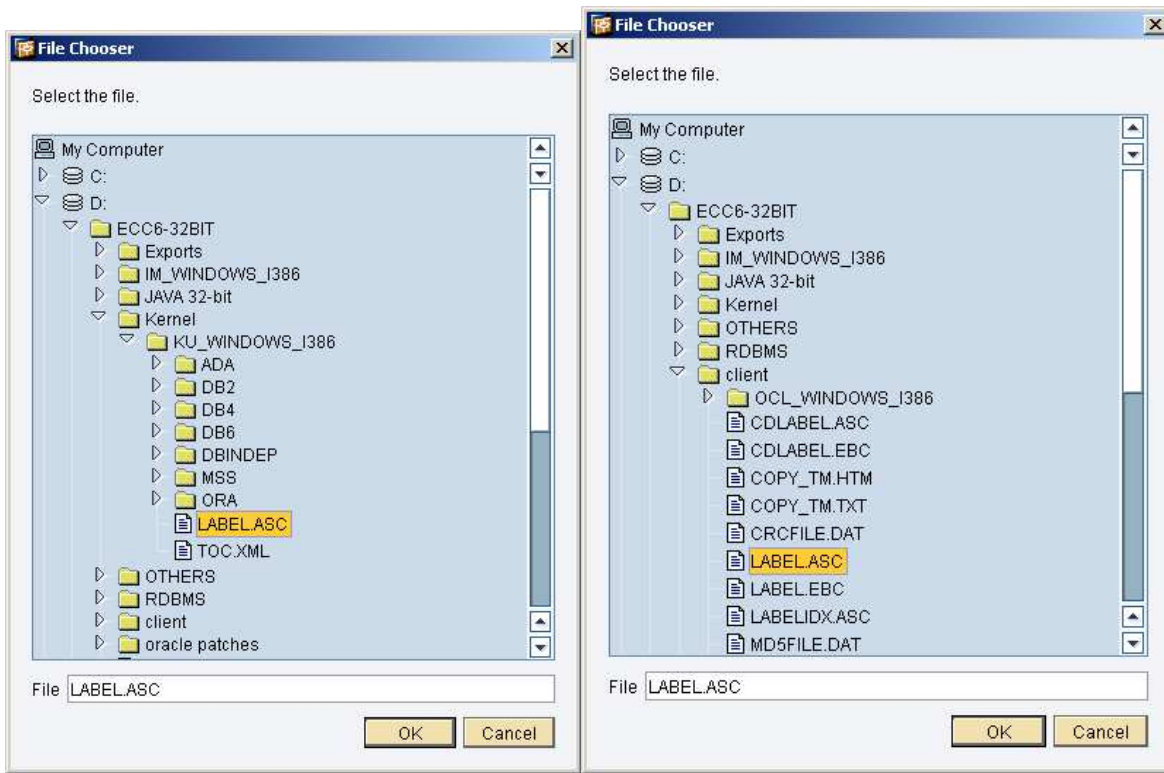


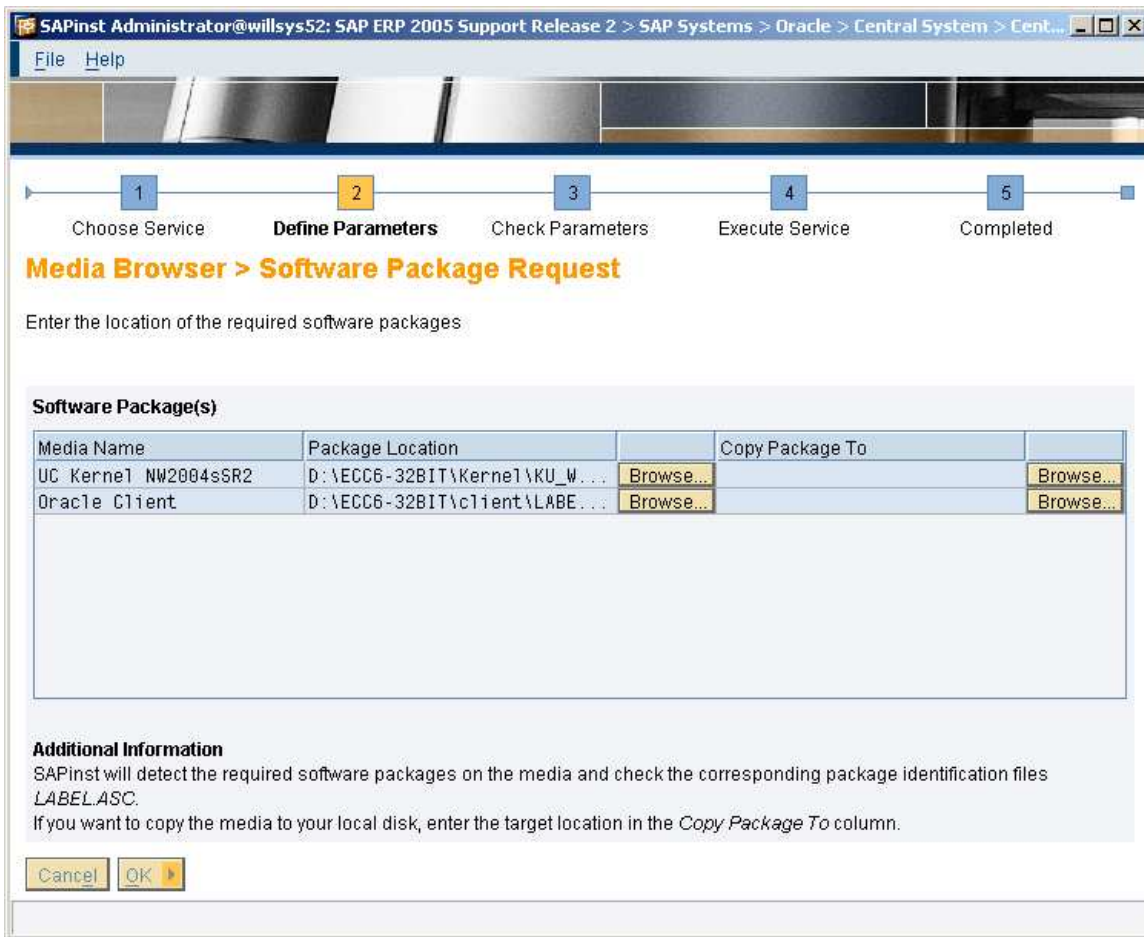




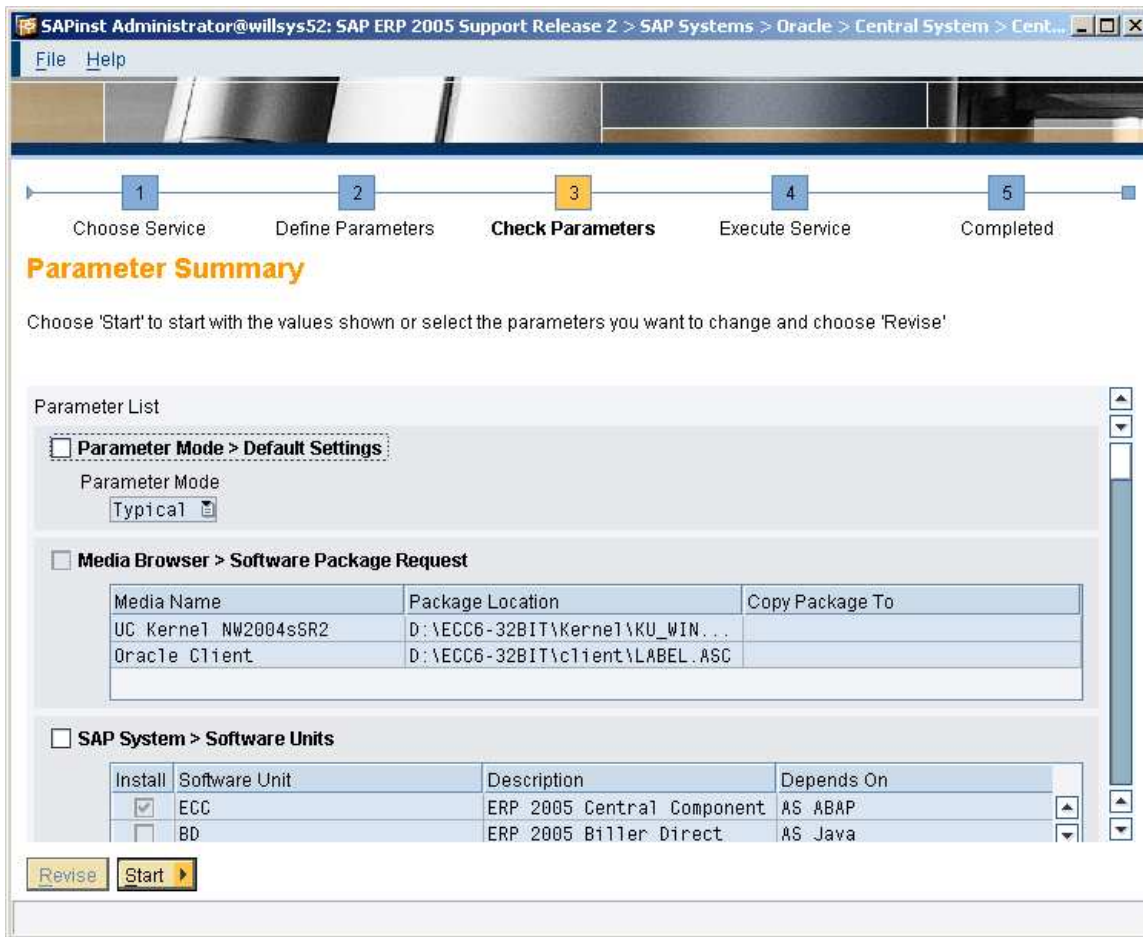


Navigate to the location and give the inputs

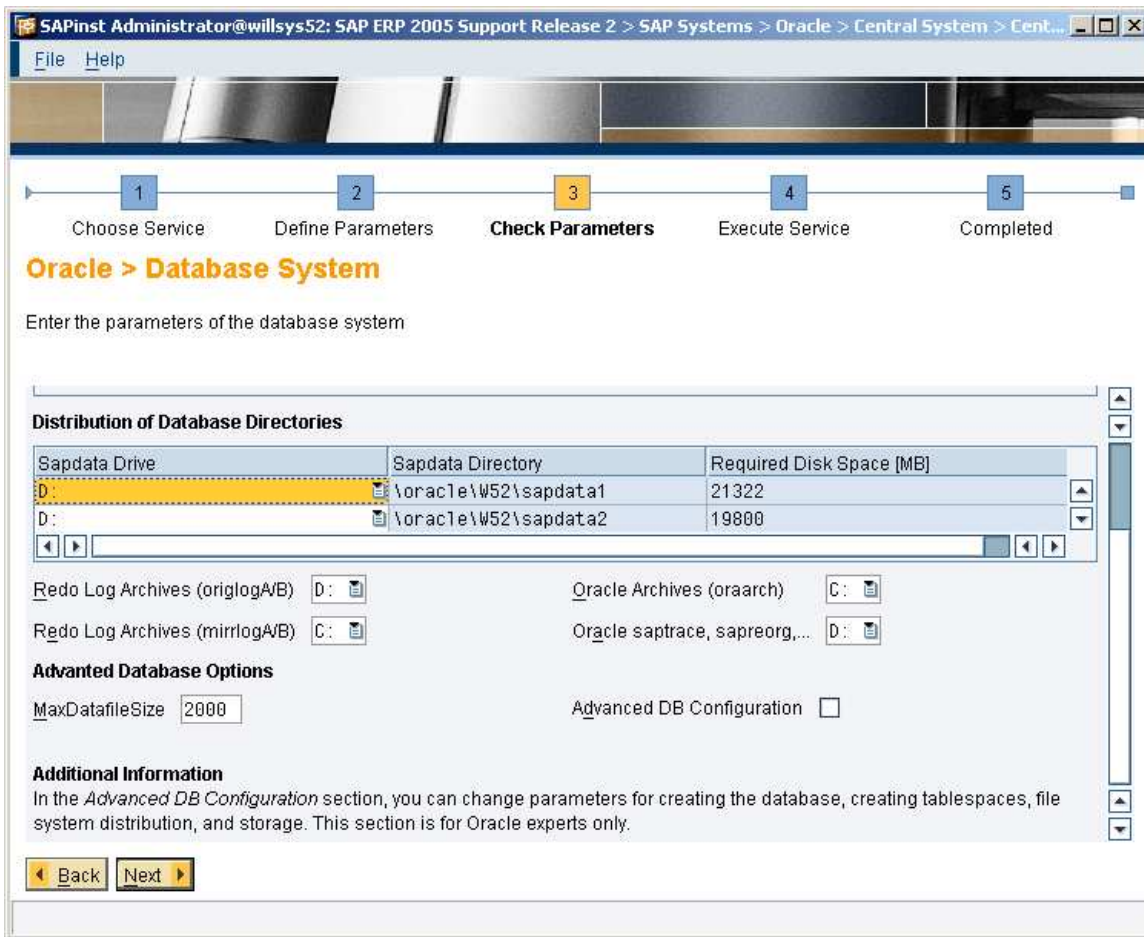




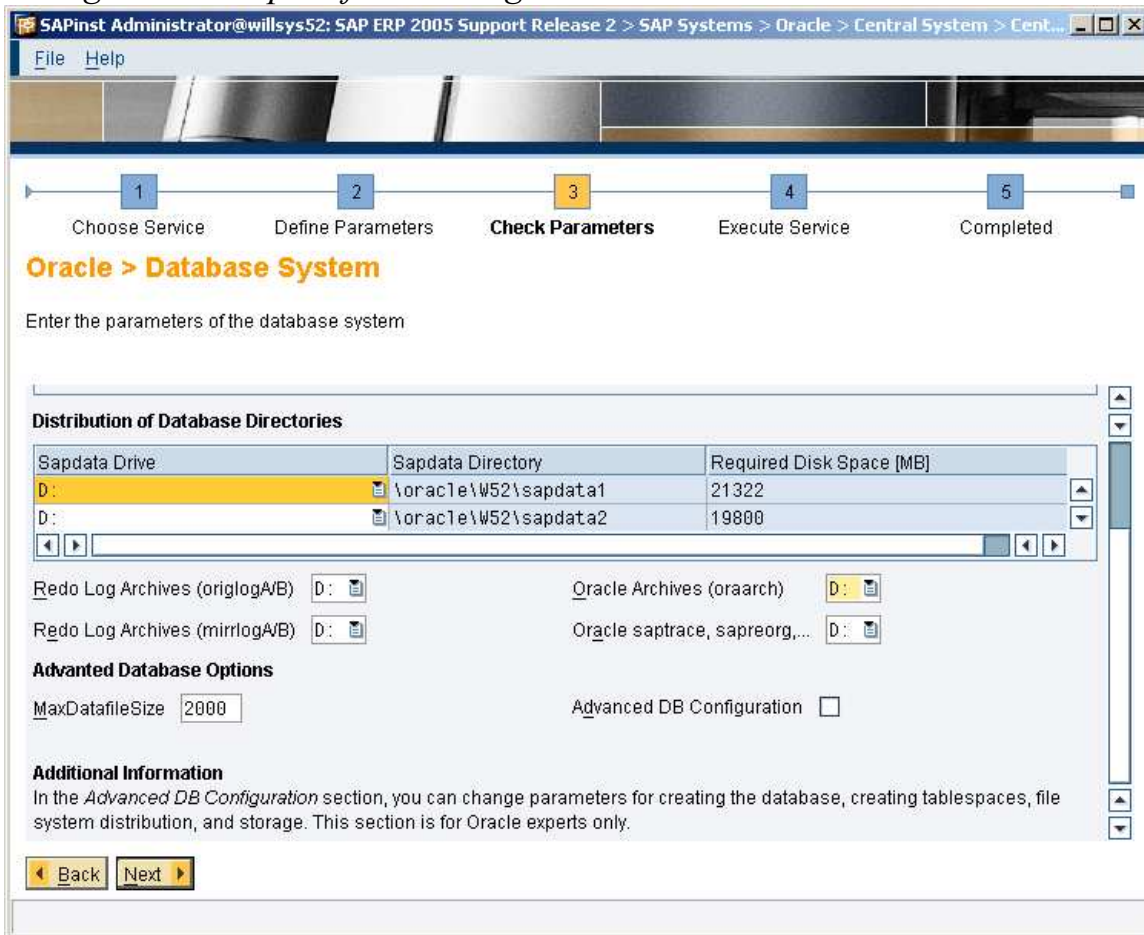
Click on **OK** tab.

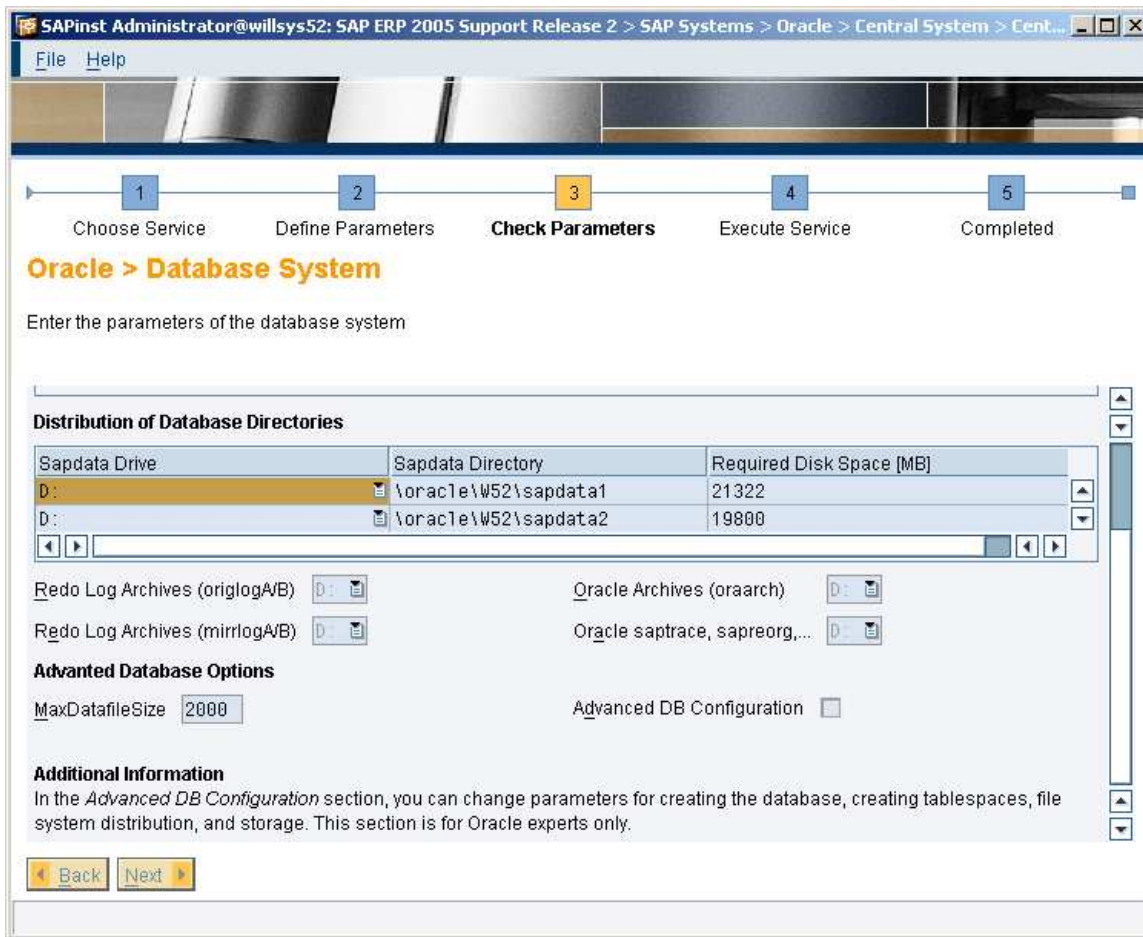


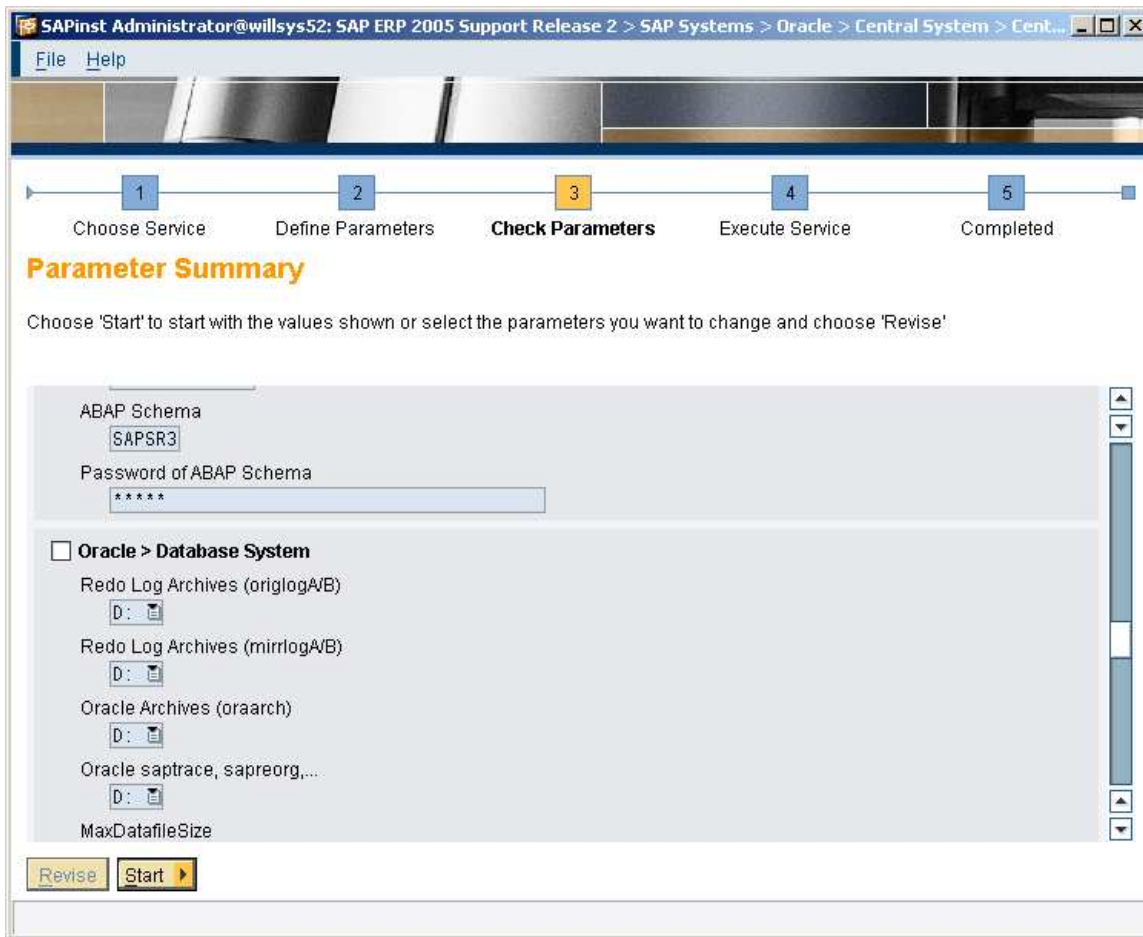
Click on START.



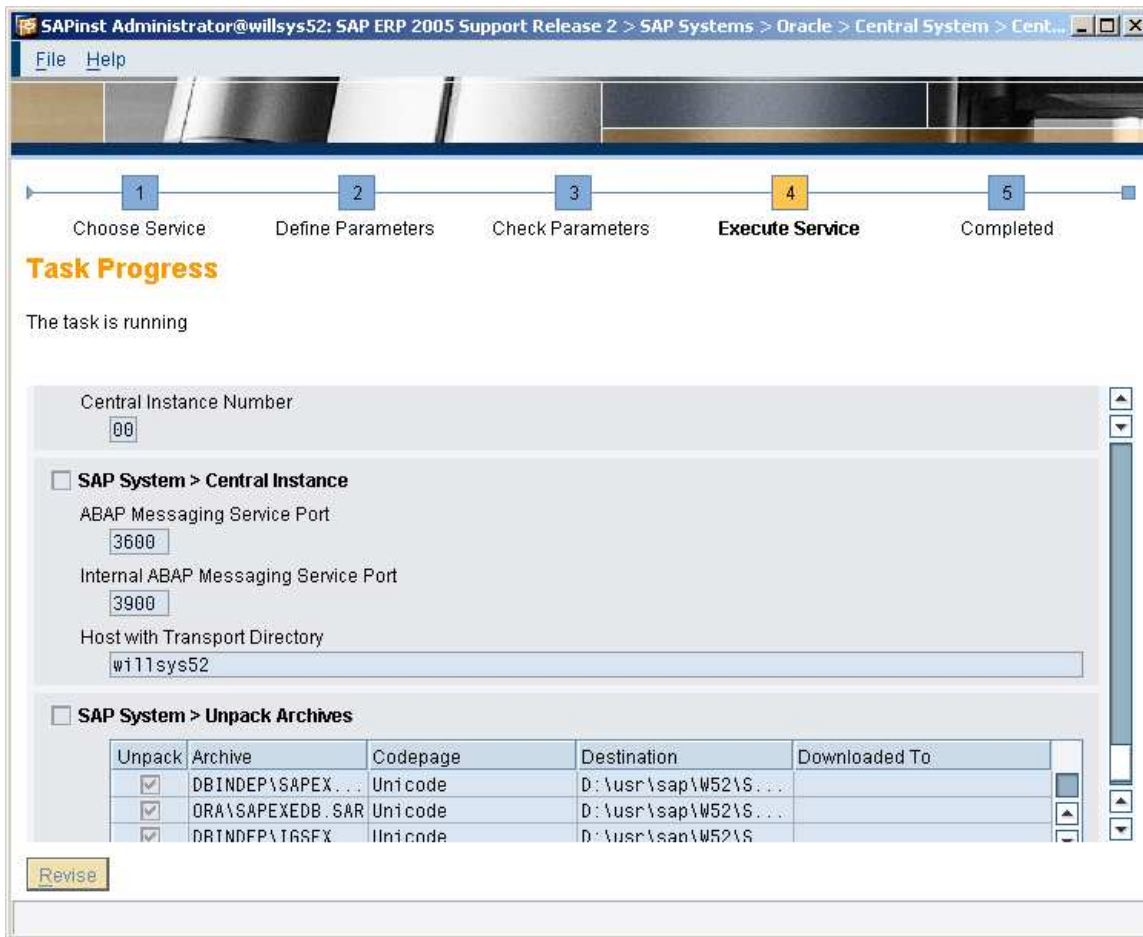
Change the drive path for redo logs..







Click on **START** tab.



SAPinst Administrator@willsys52: SAP ERP 2005 Support Release 2 > SAP Systems > Oracle > Central System > Cent...

File Help

1 Choose Service 2 Define Parameters 3 Check Parameters **4 Execute Service** 5 Completed

Task Progress

The task is running

Central Instance Number
00

SAP System > Central Instance

ABAP Messaging Service Port
3600

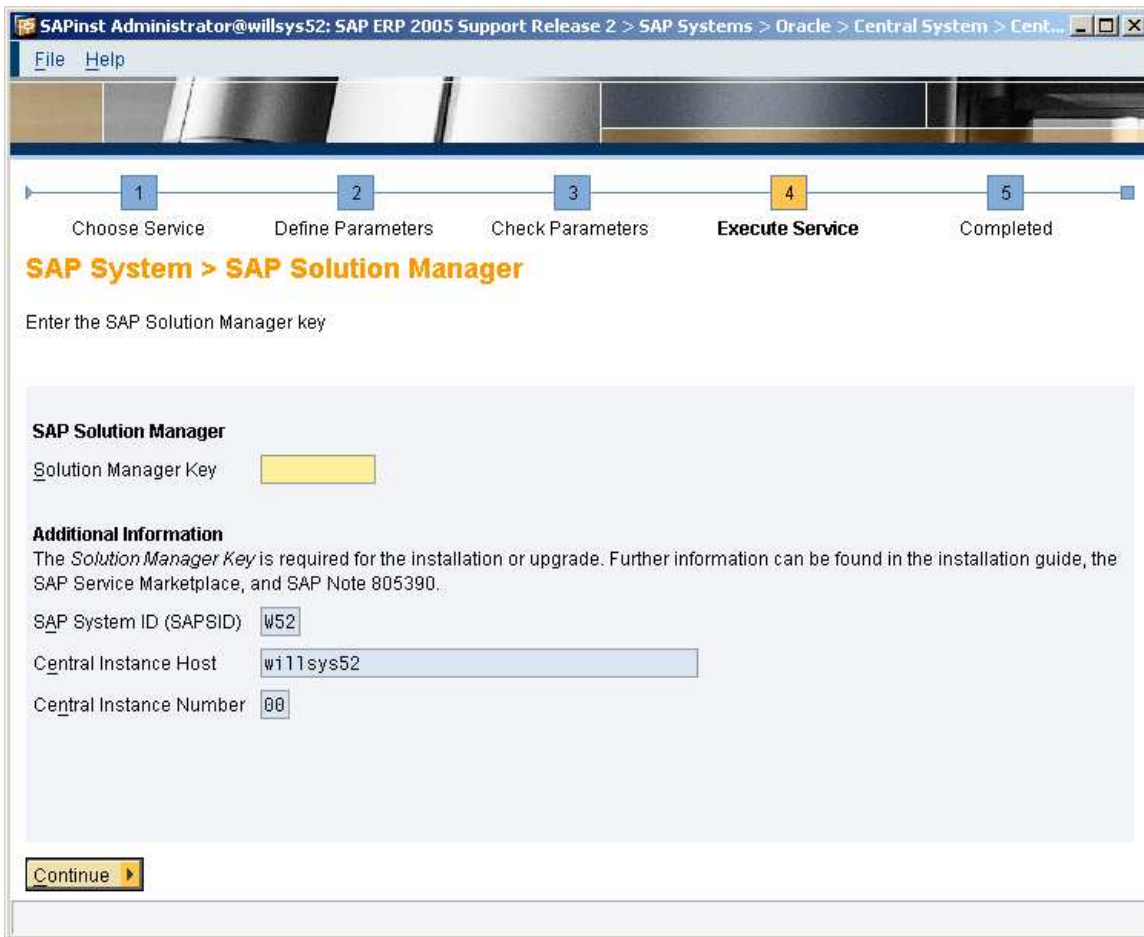
Internal ABAP Messaging Service Port
3900

Host with Transport Directory
willsys52

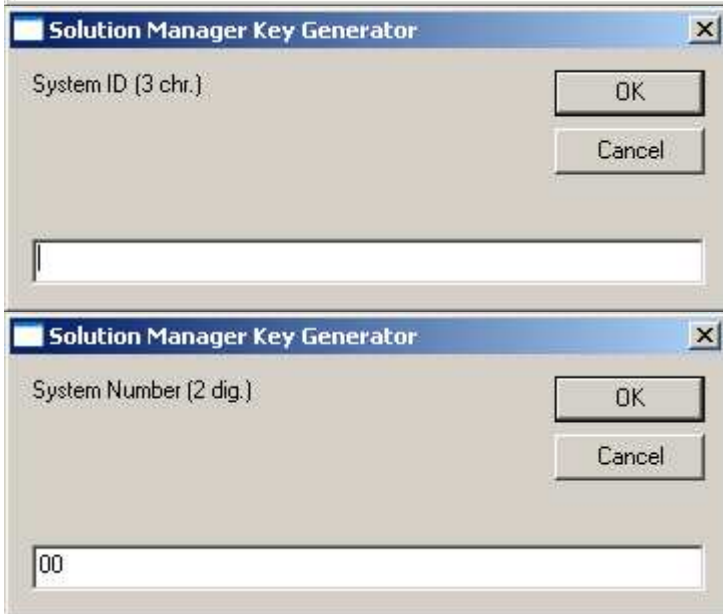
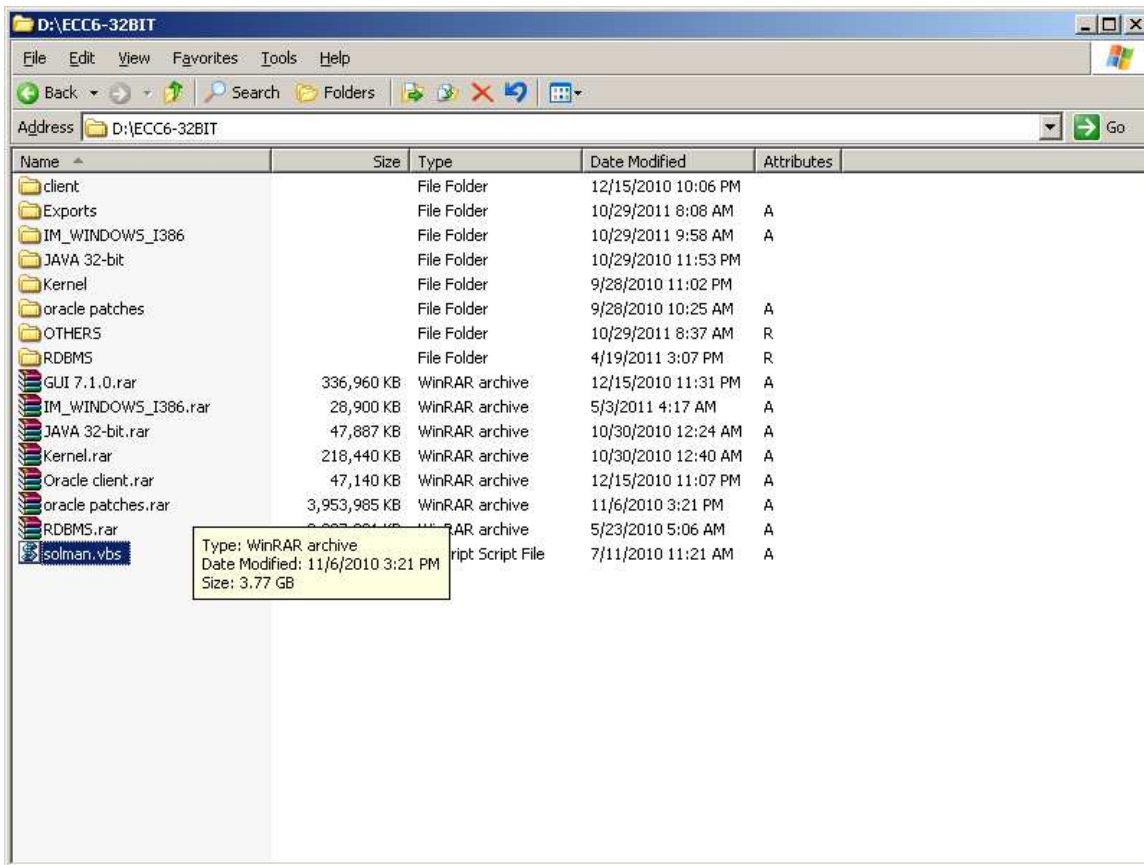
SAP System > Unpack Archives

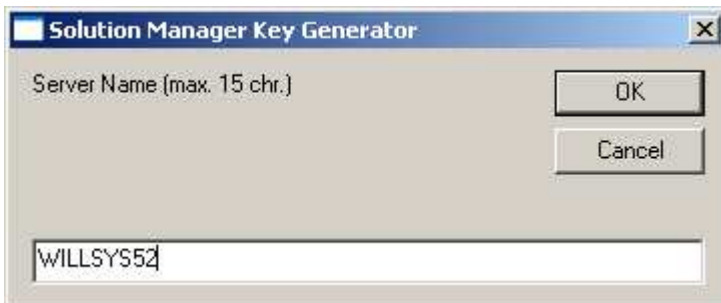
Unpack	Archive	Codepage	Destination	Downloaded To
<input checked="" type="checkbox"/>	DBINDEP\SAPEX...	Unicode	D:\usr\sap\W52\...	
<input checked="" type="checkbox"/>	ORA\SAPEXEDB.SAR	Unicode	D:\usr\sap\W52\...	
<input checked="" type="checkbox"/>	DRINDEP\T6SFX	Unicode	D:\usr\sap\W52\...	

Revise



Provide solman key





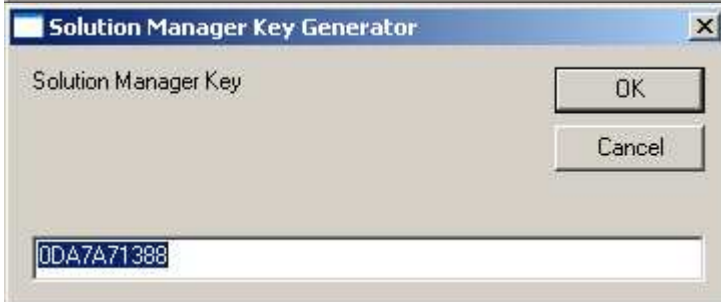
Solution Manager Key Generator

Server Name (max. 15 chr.)

OK

Cancel

WILLSYS52



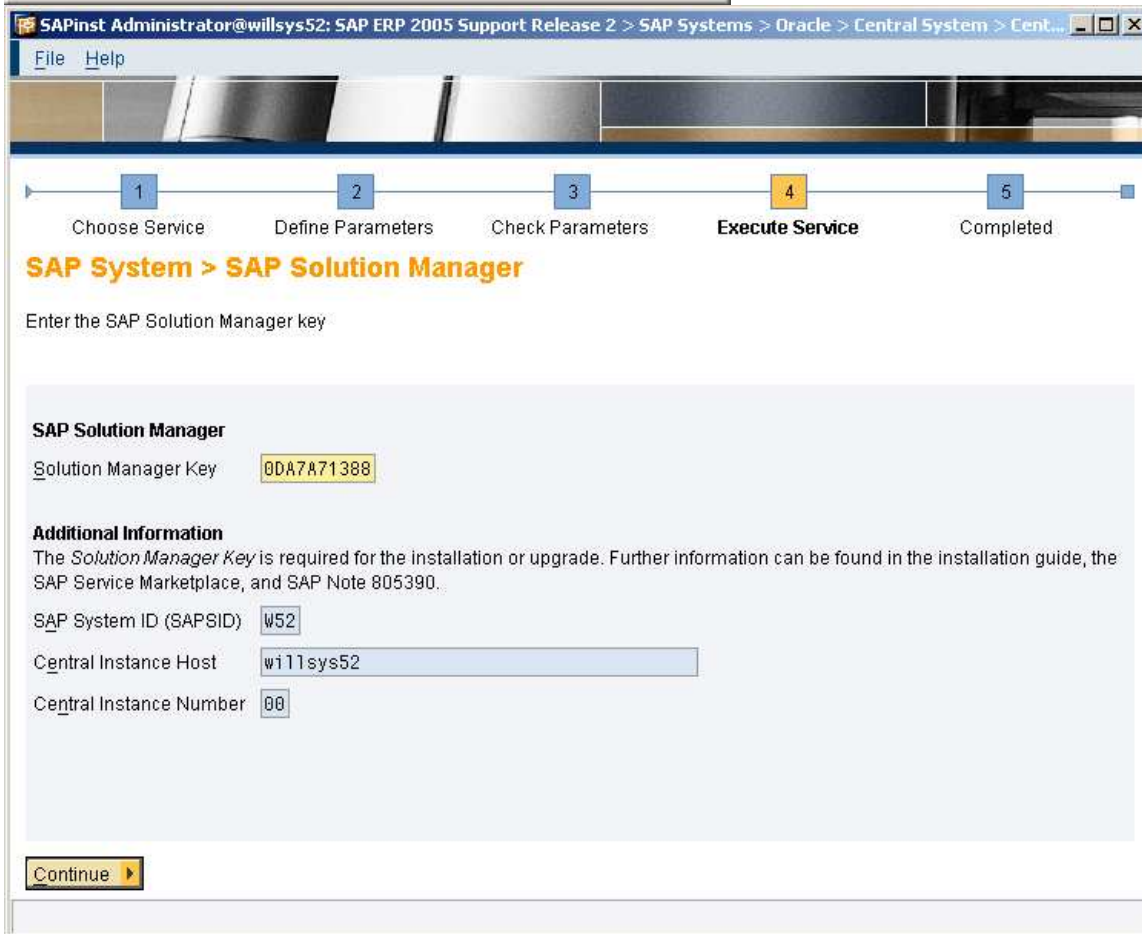
Solution Manager Key Generator

Solution Manager Key

OK

Cancel

0DA7A71388



SAPinst Administrator@willsys52: SAP ERP 2005 Support Release 2 > SAP Systems > Oracle > Central System > Cent...

File Help

1 Choose Service 2 Define Parameters 3 Check Parameters 4 Execute Service 5 Completed

SAP System > SAP Solution Manager

Enter the SAP Solution Manager key

SAP Solution Manager

Solution Manager Key 0DA7A71388

Additional Information

The *Solution Manager Key* is required for the installation or upgrade. Further information can be found in the installation guide, the SAP Service Marketplace, and SAP Note 805390.

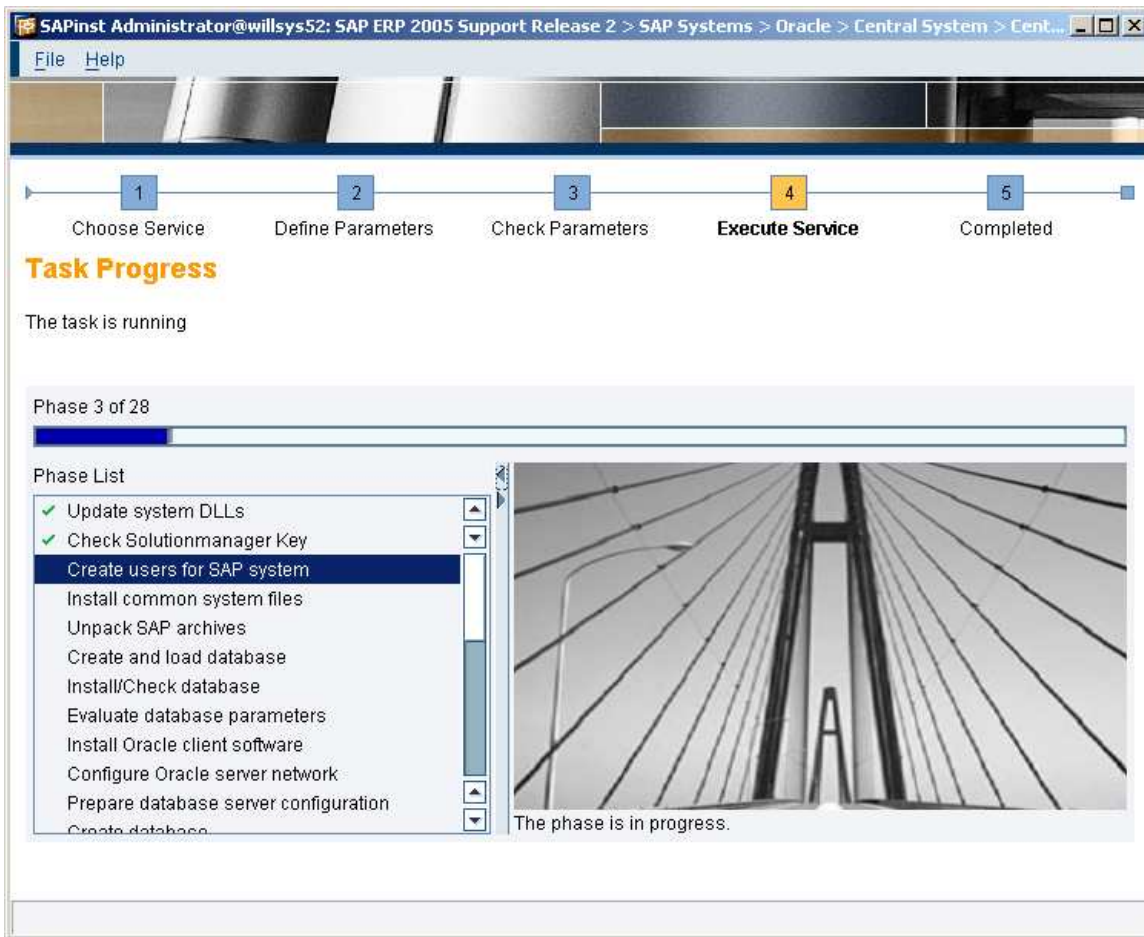
SAP System ID (SAPSID) W52

Central Instance Host willsys52

Central Instance Number 00

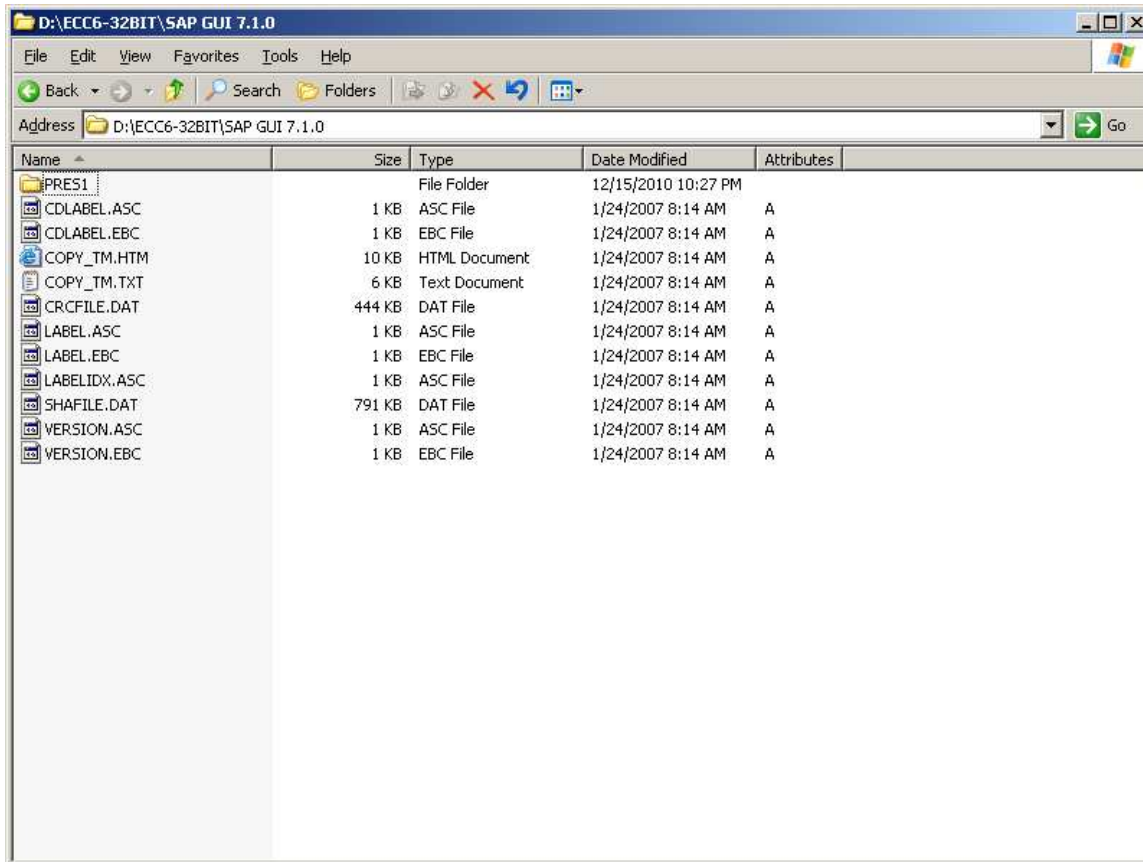
Continue

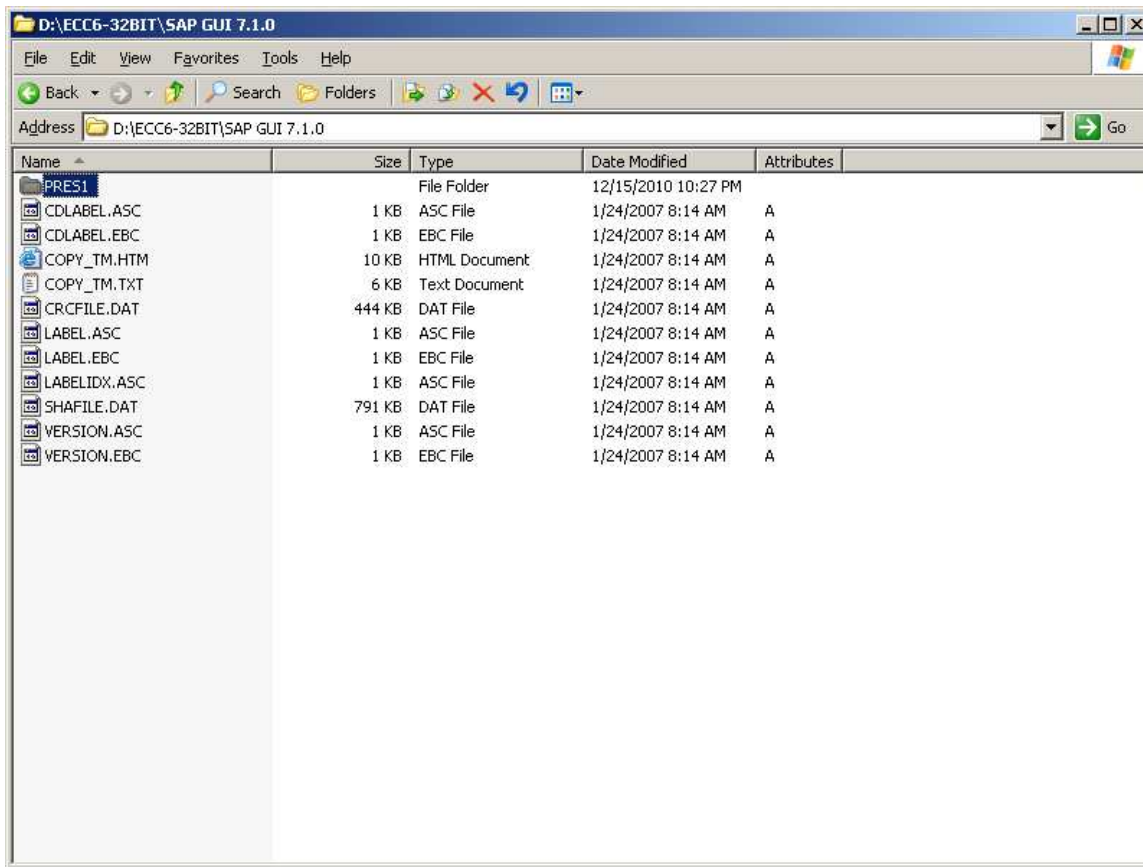


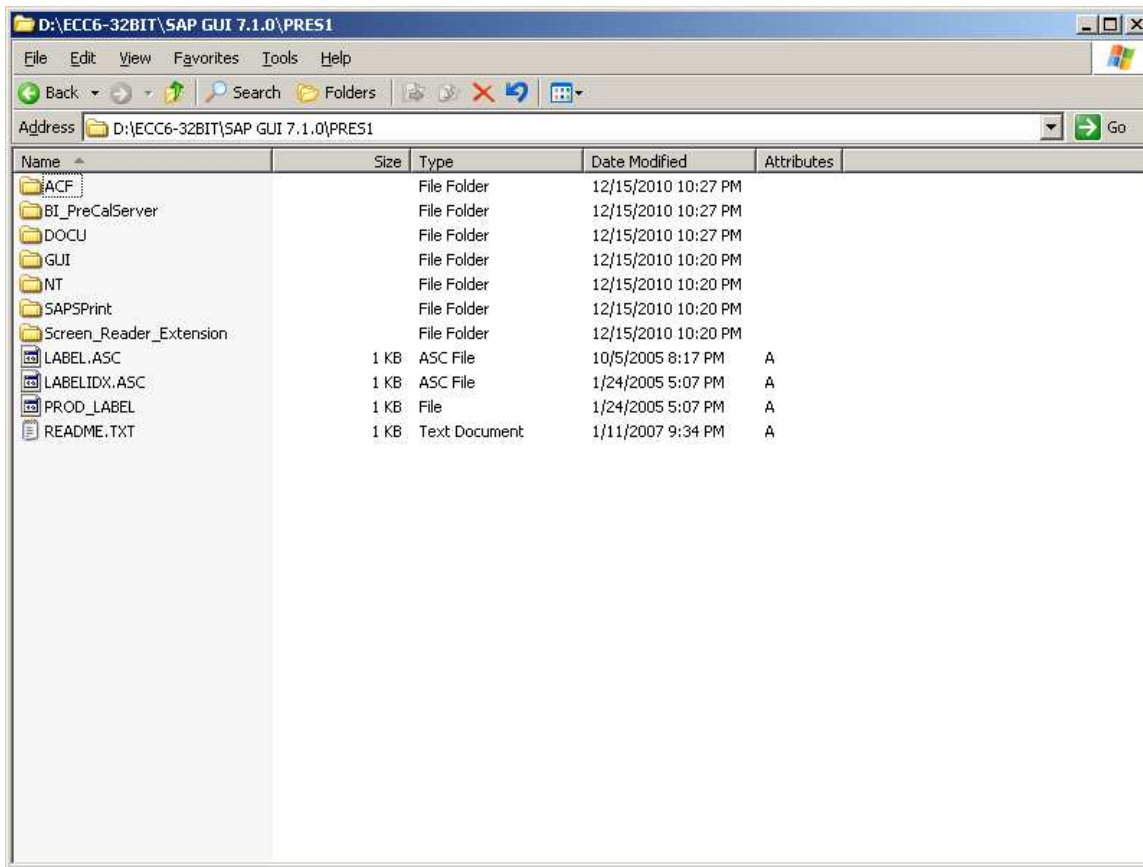


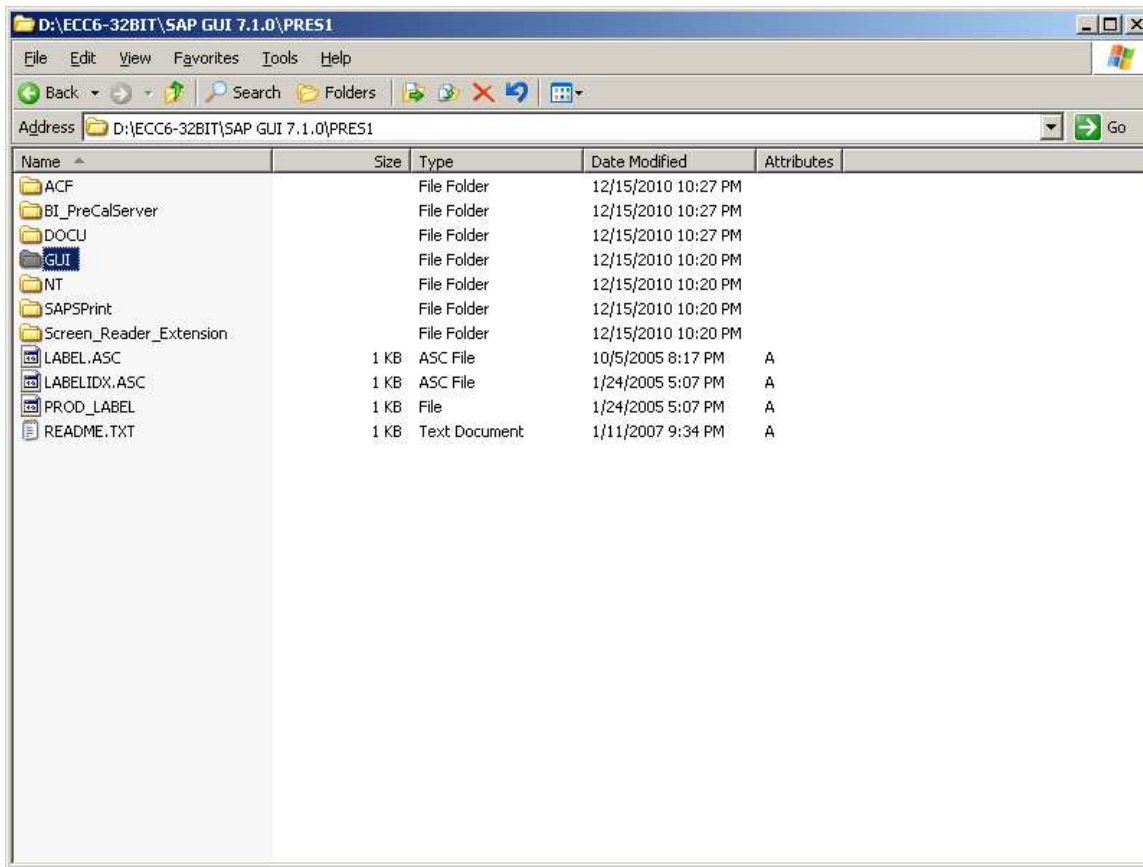
SAPGUI 710 INSTALLATION.

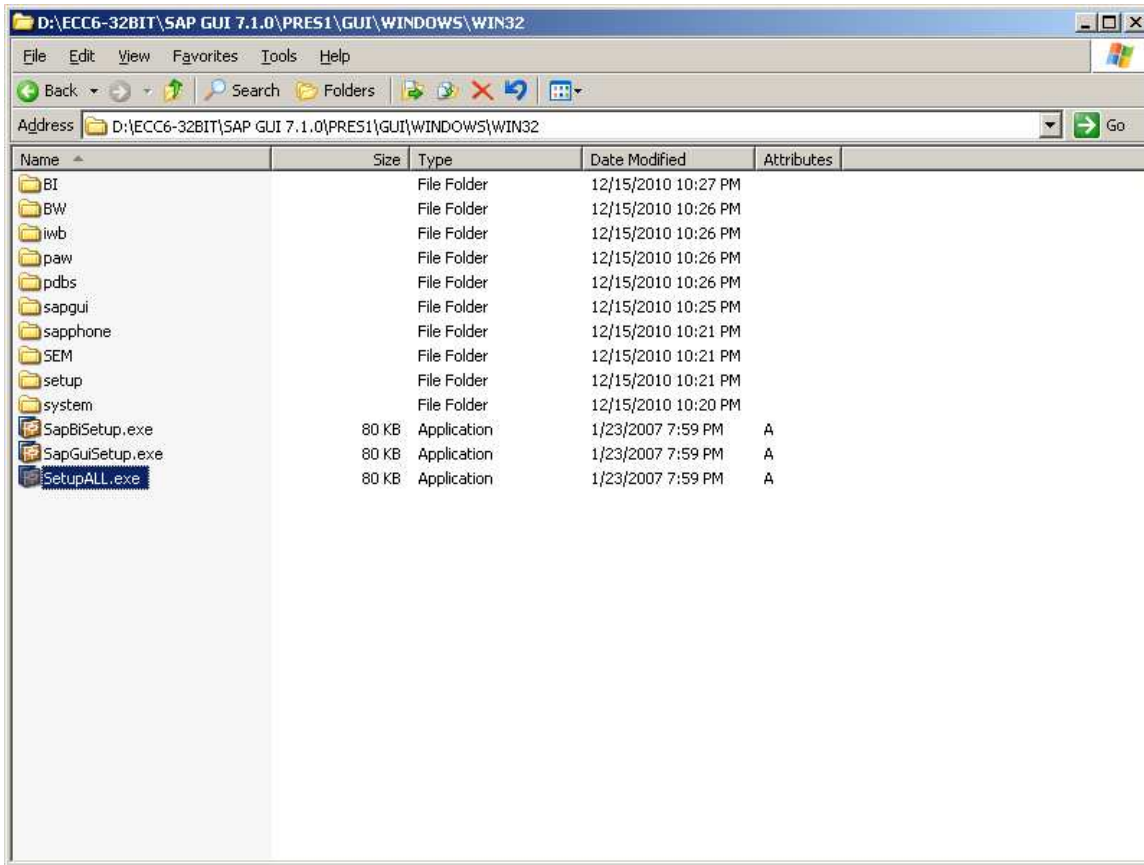
Browse the GUI folder























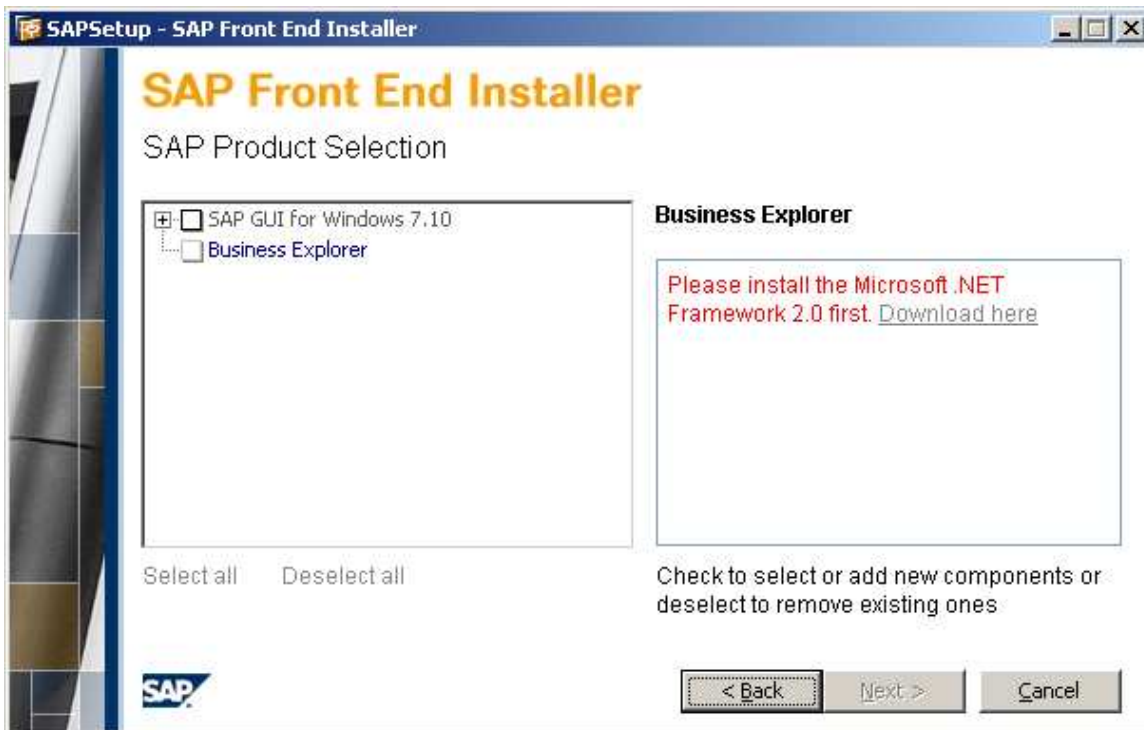


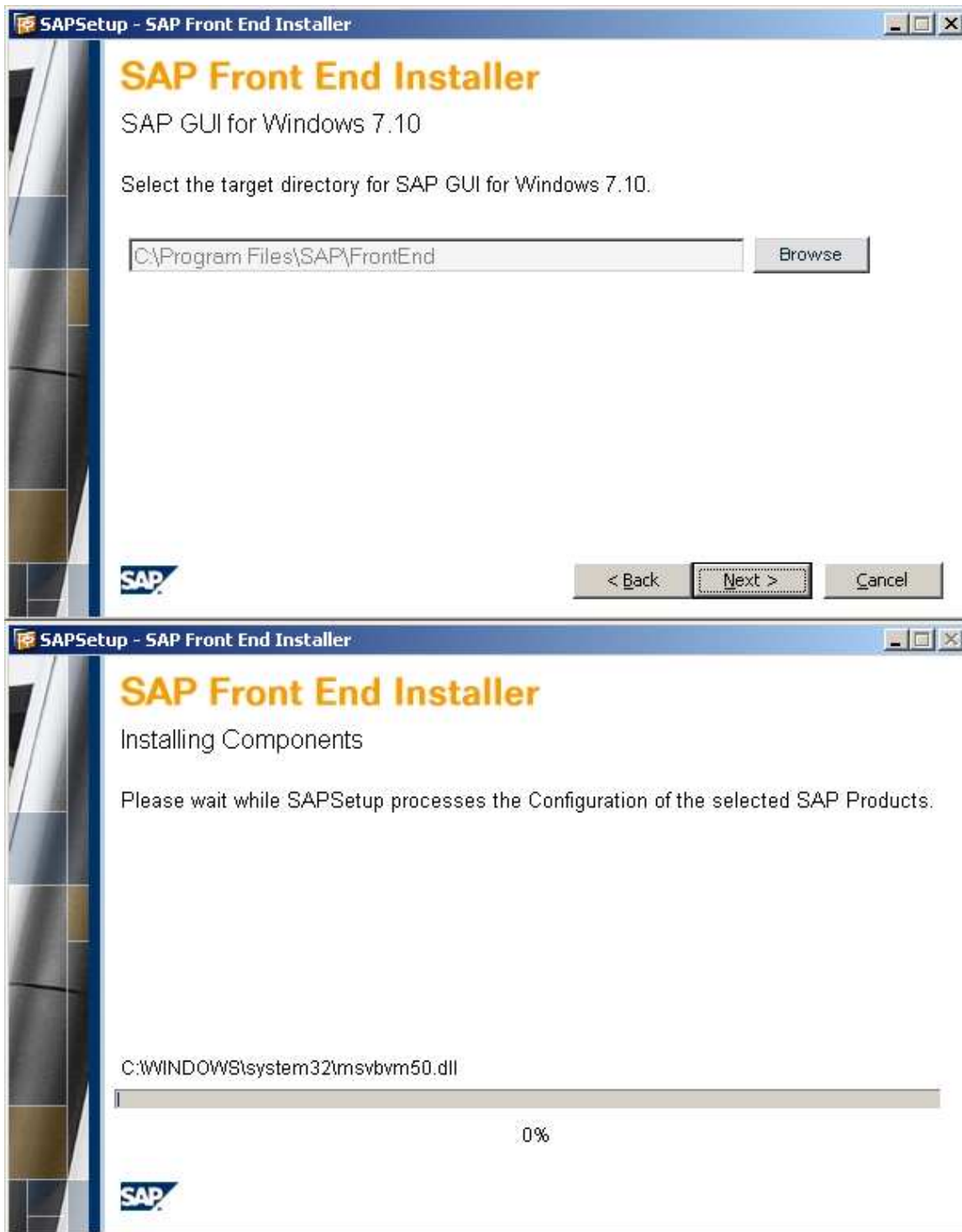
Click on **SETUPALL.EXE**

Address  D:\ECC6-32BIT\SAP GUI 7.1.0\PRES1\GUI\WINDOW5\WIN32

name	Size	Type	Date Modified	Attributes
 BI		File Folder	12/15/2010 10:27 PM	
 BW		File Folder	12/15/2010 10:26 PM	
 iwb		File Folder	12/15/2010 10:26 PM	
 paw		File Folder	12/15/2010 10:26 PM	
 pdbs		File Folder	12/15/2010 10:26 PM	
 sapgui		File Folder	12/15/2010 10:25 PM	
 saphphone		File Folder	12/15/2010 10:21 PM	
 SEM		File Folder	12/15/2010 10:21 PM	
 setup		File Folder	12/15/2010 10:21 PM	
 system		File Folder	12/15/2010 10:20 PM	
 SapBiSetup.exe	80 KB	Application	1/23/2007 7:59 PM	A
 SapGuiSetup.exe	80 KB	Application	1/23/2007 7:59 PM	A
 SetupALL.exe	80 KB	Application	1/23/2007 7:59 PM	A







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