

SAP NetWeaver Installation

The SAP VM will occupy a lot of disk space (approx. 100 Gb reserved, not all used!). And you need another temporary 30 Gb for the ZIP file. Depending on your particular machine setup there might be additional things to set up. We have added a short FAQ at the end of this file.

1.

6.1.36

Download Oracle VM VirtualBox + extension pack - latest version (6.1.26).

<https://www.virtualbox.org/wiki/Downloads>

2.

Install Oracle VirtualBox and Extension pack:

- Double click the VirtualBox exe-file.
- Accept all the default settings
 - *If you have trouble installing the extension pack:*
 - *Run VirtualBox as Administrator*
 - *Go to Preferences – Extensions*
 - *Select the extension pack file on your disk*
 - *Install it*

3.

Download Virtual machine from Q-drive (ZIP-file, approx.. 30 Gb)

~~Q:\Software for Students\ICT_GBE\SAP\SAP NW2021\SAP_NW_752_ABAP_Academy_11_08_2021~~

Q:\Software for Students\ICT_GBE\SAP\SAP NW 752 ABAP Academy 12 08 2022

Note: If you do not have a Q-drive, you can add a drive (Q) with this path: [\\uv-fil01\campushorsens](#)

We also have a few USB sticks.

4.

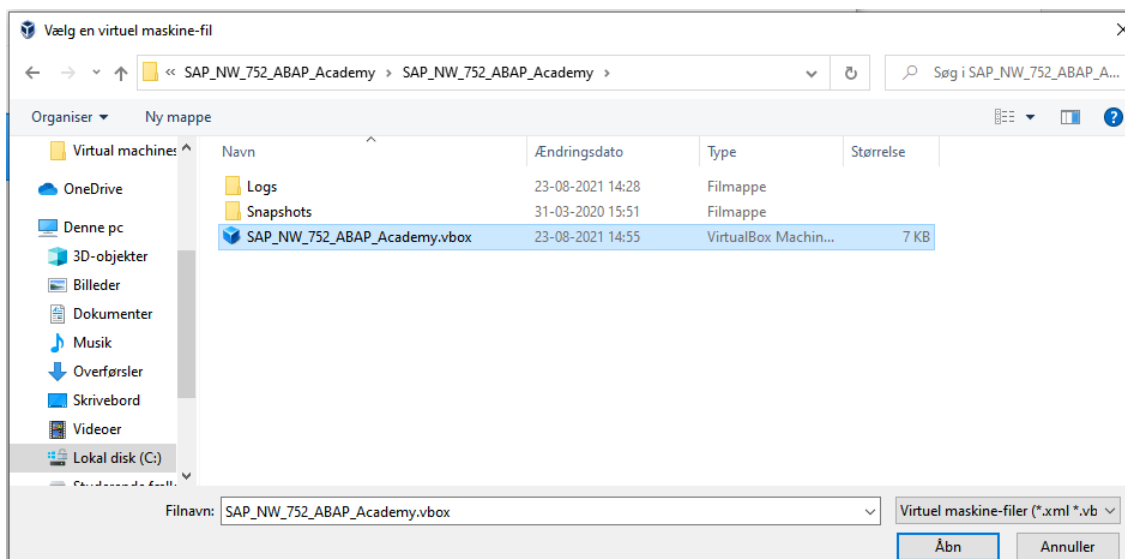
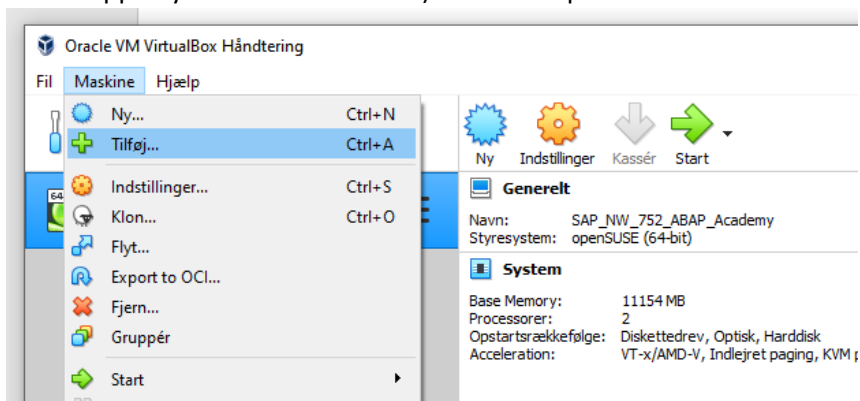
Unzip to new folder “SAP_NW_750_ABAP_Academy” (or a name of your choosing)

5.

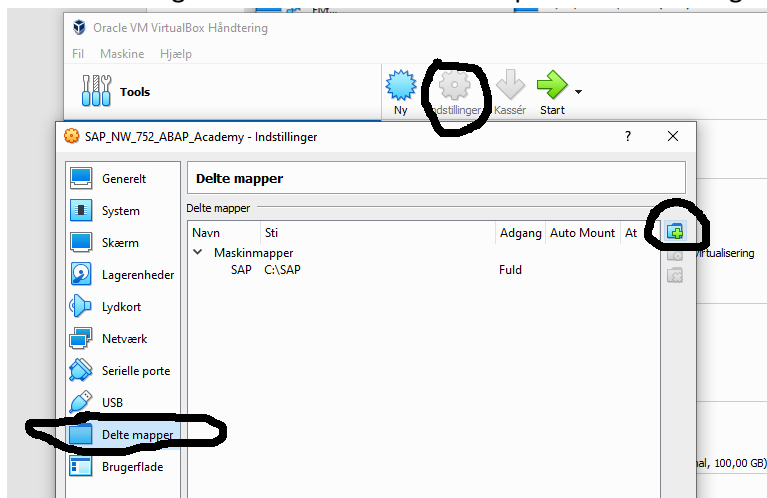
Install Virtual Machine

- Start VirtualBox
- Choose "Machine" -> "Add ..."

Point to the VirtualBox configuration file "SAP_NW_750_ABAP_Academy" (or the folder where you unzipped your Virtual Machine) and click Open



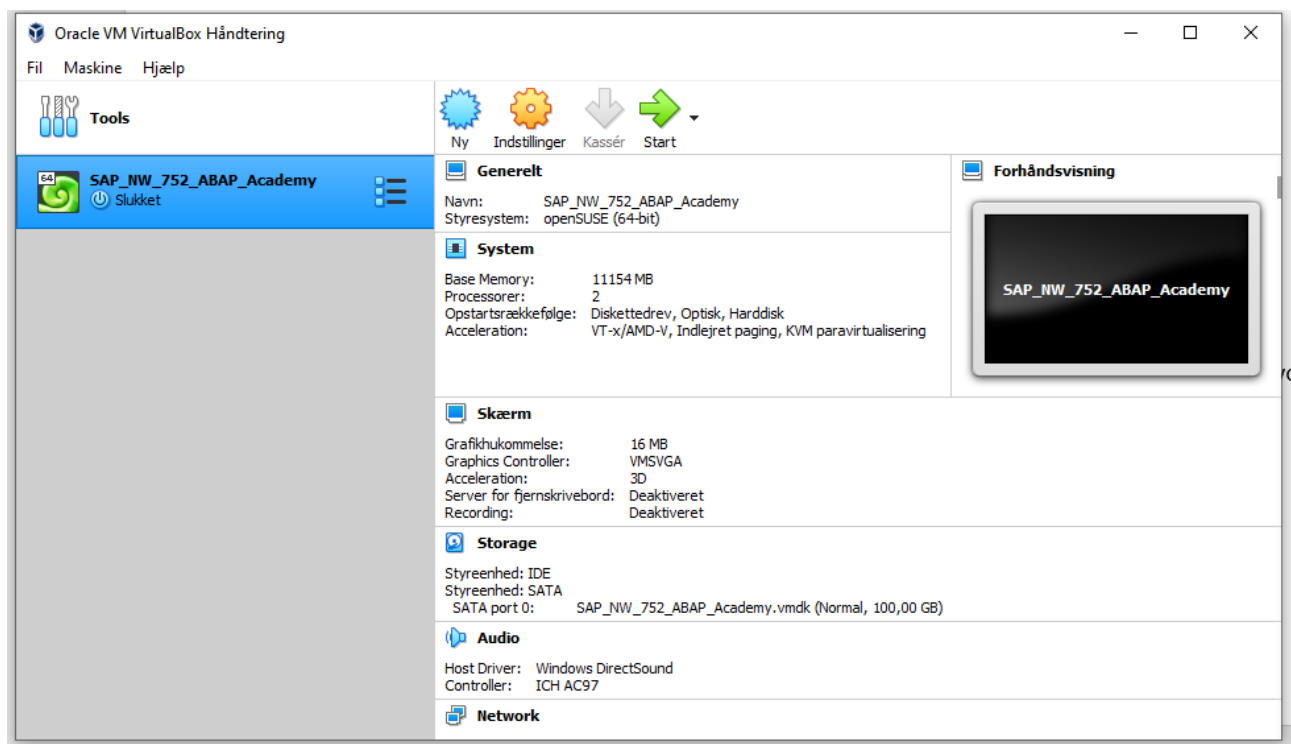
- Choose Settings -> Shared folders - edit to point to an existing folder



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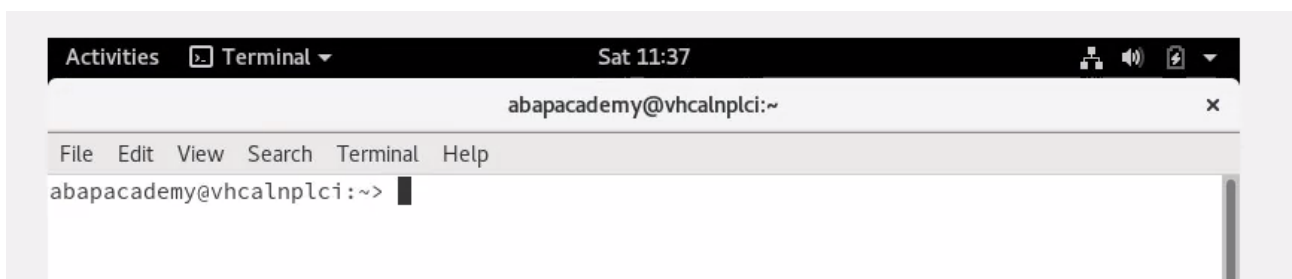
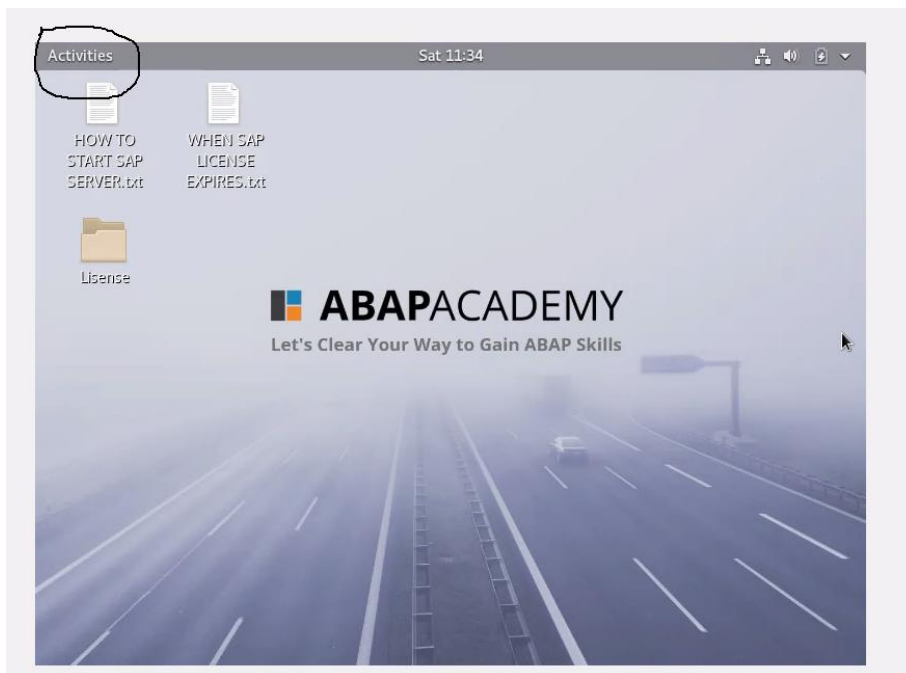
Start

- Start Oracle VirtualBox
- Start the virtual machine named "SAP_NW_750_ABAP_....."



(At this stage you might get an error saying something about the **VT-x** or **Virtualization** not enabled. See the **FAQ** for details)

- Open terminal window: Click activities, search for "term", click on Terminal



- At the command line write:
su -l npladm (if prompted for password write: **SAPSystem777**)
startsap ALL (the word ALL must be in upper case!)

```

Activities  Terminal  Sat 11:40
abapacademy@vhcalnplci:~
File Edit View Search Terminal Help
abapacademy@vhcalnplci:~> su -l npladm
Password:
vhcalnplci:npladm 53> startsap ALL

```

```

Activities  Terminal  Sat 11:43
abapacademy@vhcalnplci:~
File Edit View Search Terminal Help
abapacademy@vhcalnplci:~> su -l npladm
Password:
vhcalnplci:npladm 53> startsap ALL
Checking syb Database
Database is not available via R3trans

-----
starting database NPL ...
Log file: /sybase/NPL/startdb.log
parse level 0: identified message 'Database 'master' is now online.'
parse level 1: identified message 'Database 'tempdb' is now online.'
parse level 2: identified message 'Database 'sybsystemprocs' is now online.'
parse level 3: identified message 'Recovery complete.'
Recovery Complete
startdb completed successfully
Starting Startup Agent sapstartsrv
OK
Instance Service on host vhcalnplci started

-----
starting SAP Instance ASCS01
Startup-Log is written to /home/npladm/startsap_ASCS01.log

-----
/usr/sap/NPL/ASCS01/exe/sapcontrol -prot NI_HTTP -nr 01 -function Start
Instance on host vhcalnplci started
Starting Startup Agent sapstartsrv
OK
Instance Service on host vhcalnplci started

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```

starting SAP Instance D00
Startup-Log is written to /home/npladm/startsap_D00.log

-----
/usr/sap/NPL/D00/exe/sapcontrol -prot NI_HTTP -nr 00 -function Start
Instance on host vhcalnplci started
vhcalnplci:npladm 54>

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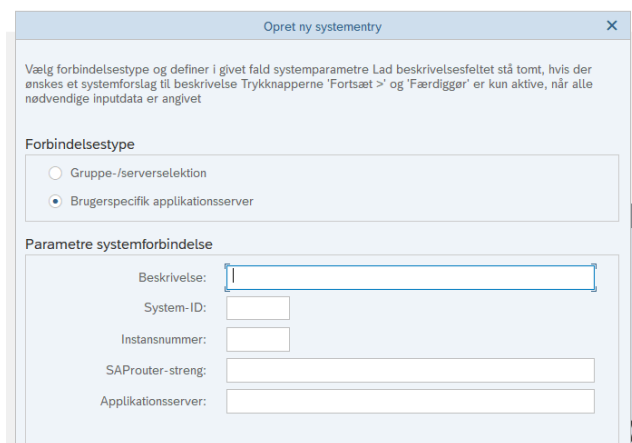
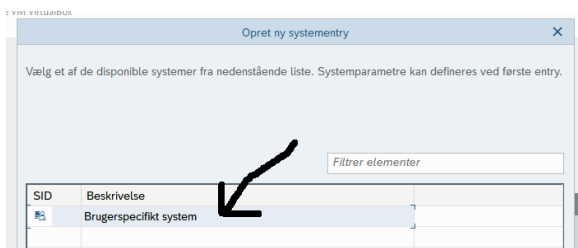
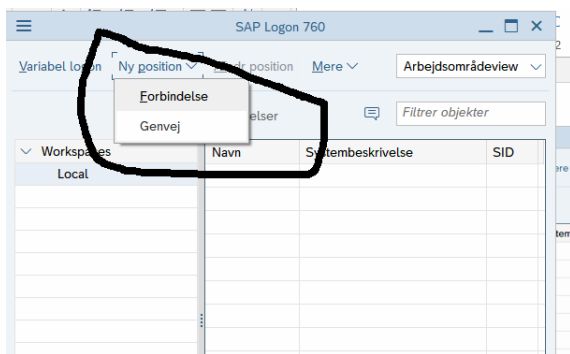
- Now the SAP server is up and running

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Install the client

- Switch to your host (Windows)
- Download the file **SAP_GUI_760.exe** from the Q-drive.
- Run this file to unpack and install the client.
- Start the program (SAP Front End -> SAP Logon from the Windows menu, or the shortcut on your desktop)
- Add a new connection

Q:\Software for Students\ICT_GBE\SAP\SAP NW2021



- Add these settings:

Applikationsserver: 127.0.0.1

Instance nr: 00

System ID: NPL

Opret ny systementry

X

Vælg forbindelsestype og definér i givet fald systemparametre. Lad beskrivelsesfeltet stå tomt, hvis der ønskes et systemforslag til beskrivelse. Trykknapperne 'Fortsæt >' og 'Færdiggør' er kun aktive, når alle nødvendige inputdata er angivet.

Forbindelsestype

☐ Gruppe-/serverselektion

☒ Bruger-specifik applikationsserver

Parametre systemforbindelse

Beskrivelse:

SAP ABAP

System-ID:

NPL

Instansnummer:

00

SAProuter-streng:

Applikationsserver:

127.0.0.1

☐ Anvend denne side som første side til oprettelse af de næste entries; dette er omgående gyldigt

Afbryd

Tilbage

Fortsæt

Færdiggør

Hjælp

And click Finish.

Mark the new connection, and click Login

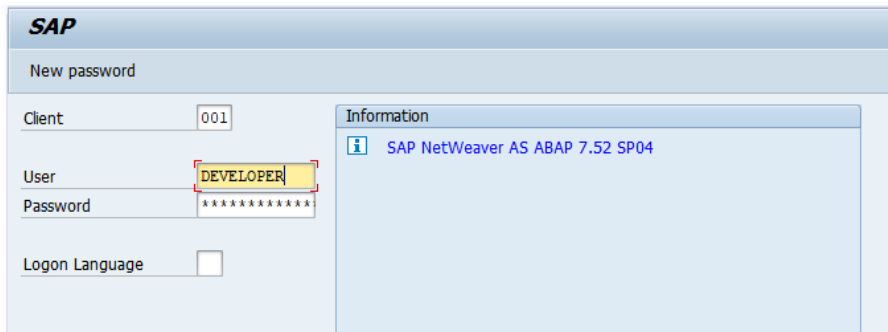
[illegible]

Login to the system:

Username: **DEVELOPER**

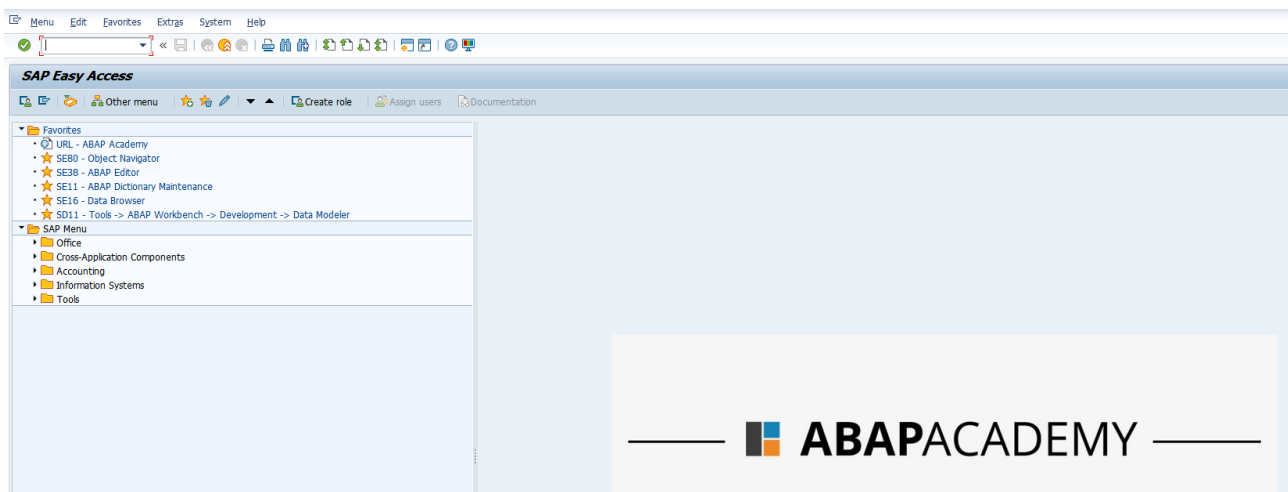
Password: **Down1oad** **Be careful: 1 is a number*

Press <Enter>



The image shows the SAP login interface. At the top, there is a blue header with the SAP logo. Below it, the text "New password" is visible. The main form has several fields: "Client" with the value "001", "User" with the value "DEVELOPER", "Password" with a masked input (asterisks), and "Logon Language" with a dropdown menu. To the right of the form is an "Information" box containing a link to "SAP NetWeaver AS ABAP 7.52 SP04".

You are now logged in



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How to close down the right way (just in case!)

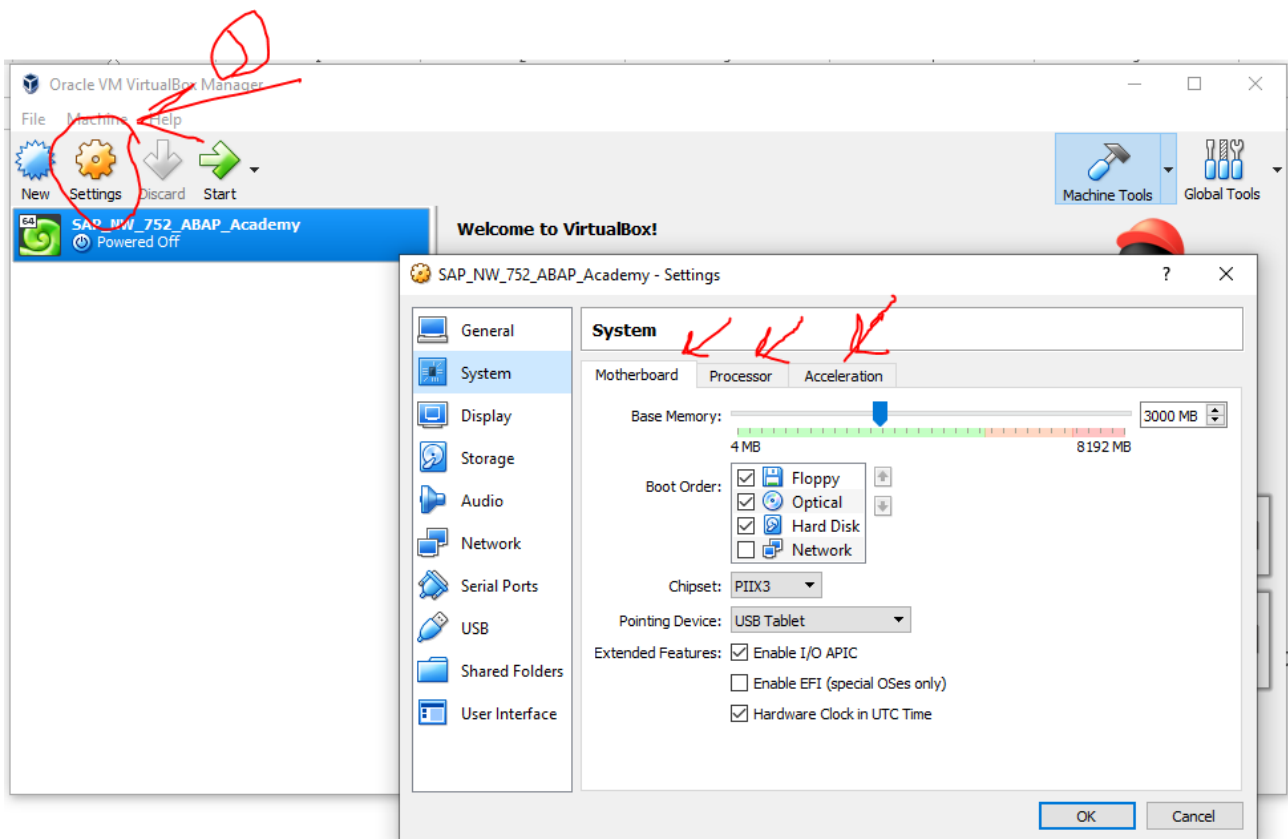
- Logout on the SAPGUI : System -> Logoff
- Switch to the virtual machine
- If necessary: Hit enter, and type password as above
- At the command prompt type: stopsap all
- Wait for server to stop
- Shut down virtual machine: (click on arrow in upper right corner, click on button for shutdown), wait for shutdown
- Close VirtualBox

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Recommendation

In order to speed up VM performance:

After installation and testing the system, go to the setting and adjust VM memory, processor and acceleration options based on your PC usage.



FAQ

1)

VT-x or Virtualization not enabled.

If so, you need to follow frequent problems (intel VT-x) with VM:

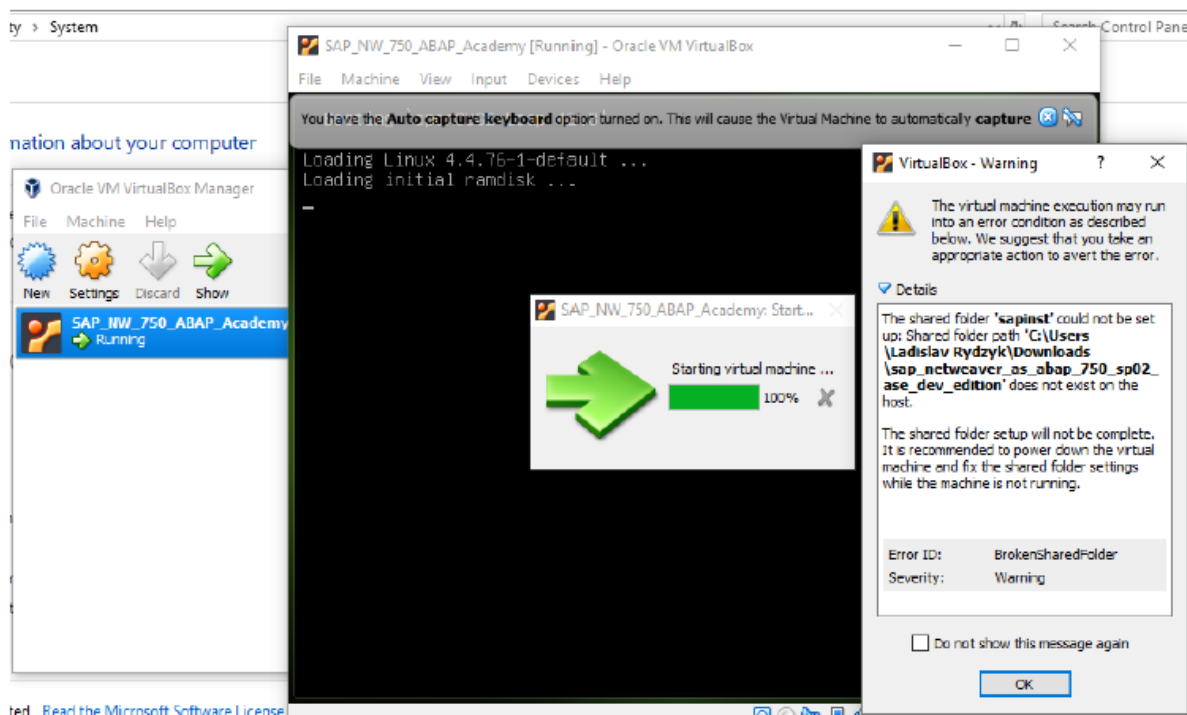
<https://www.howtogeek.com/213795/how-to-enable-intel-vt-x-in-your-computers-bios-or-uefi-firmware/>

or

<https://www.instructables.com/id/Enable-Disable-Intel-VT-x/>

2)

Shared folder "sapinst" warning



Solution: This is just a warning mentioning that you don't have the access to "sapinst" folder which contains SAP installation. Since SAP server is already installed, you can just click OK (+ check the checkbox "Do not show the message again").

3)

Unlock User in SAP System

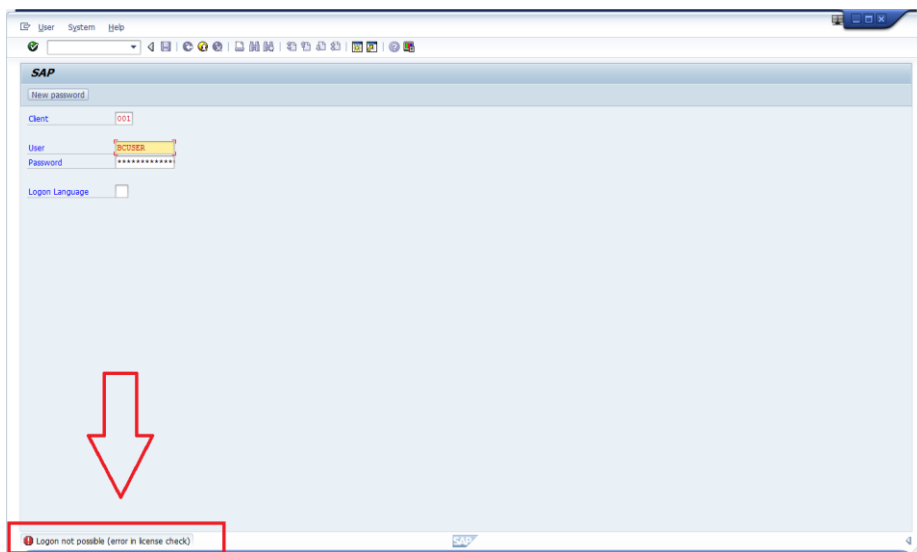
You may run into situation that your User ID gets locked (e.g. **when you type wrong password 3 times**). Here is the step list, how to unlock user in SAP system, if you have access to the system from different user id.

1. Log in with user id: SAP* and the same password as usual
2. Goto SU01 tcode (User Maintenance_ initial screen SU01)
3. Enter the user which is locked.
4. Now select USERS in menu bar click LOCK now a popup will appear, in that click unlock icon.
5. A message will be displayed that user is unlocked.

4)

Logon not possible (Error in license check)

Whenever you get the “Logon not possible (Error in license check)” message on logon screen, it means that license in your SAP system has expired.



Follow the instructions: <https://abapacademy.com/blog/logon-not-possible-error-in-license-check/>

Or ask the teacher ...