

Configuring VMware Workstation Player 16 for VSI OpenVMS x86_64

We will assume

```
VMDIR = "C:\temp\Connect"  
VMNAME = "VSI OpenVMS x86_64"
```

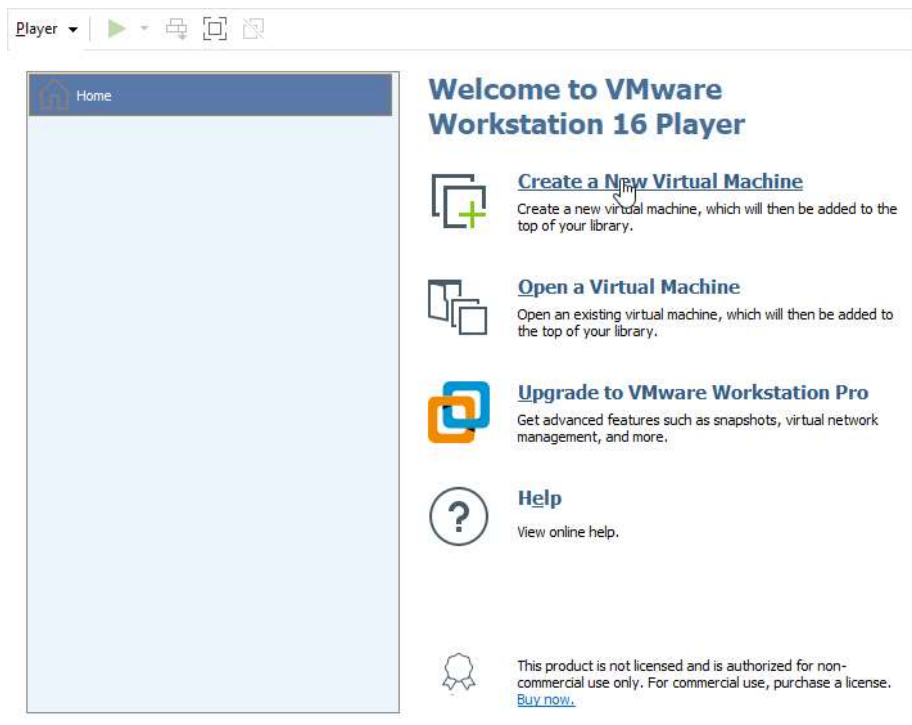
and use %VMDIR% and %VMNAME% to refer to these below.

Preparation

- Download X860922OE.ZIP from VSI Service Portal to %VMDIR%
UNZIPping it creates %VMDIR%\X860922OE.ISO (and X860922OE.ISO_VNC)
- Download PuTTY from <https://www.chiark.greenend.org.uk/~sgtatham/putty/>
- Download & install VMware Workstation 16 or 17 Player from vmware.com

Workstation Player Configuration

- Start VMware Player
- Click "Create a New Virtual Machine"



- Select "I will install the Operating System Later", Click Next

Welcome to the New Virtual Machine Wizard
A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

Installer disc:
No drives available

Installer disc image file (iso):
X8609220E.ISO

I will install the operating system later.
The virtual machine will be created with a blank hard disk.

- Select Guest OS "Other", Version "Other 64-bit", Click Next

Select a Guest Operating System
Which operating system will be installed on this virtual machine?

Guest operating system

Microsoft Windows
 Linux
 Other

Version
Other 64-bit

- Enter VM Name: %VMNAME%, Location %VMDIR%, Click Next

Name the Virtual Machine
What name would you like to use for this virtual machine?

Virtual machine name:
VSI OpenVMS x86_64

Location:
C:\temp\Connect Browse...

< Back Next > Cancel

- No change for disk capacity settings, as the default harddisk will be deleted. Click Next

Specify Disk Capacity
How large do you want this disk to be?

The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine.

Maximum disk size (GB): 8.0

Recommended size for Other 64-bit: 8 GB

Store virtual disk as a single file

Split virtual disk into multiple files

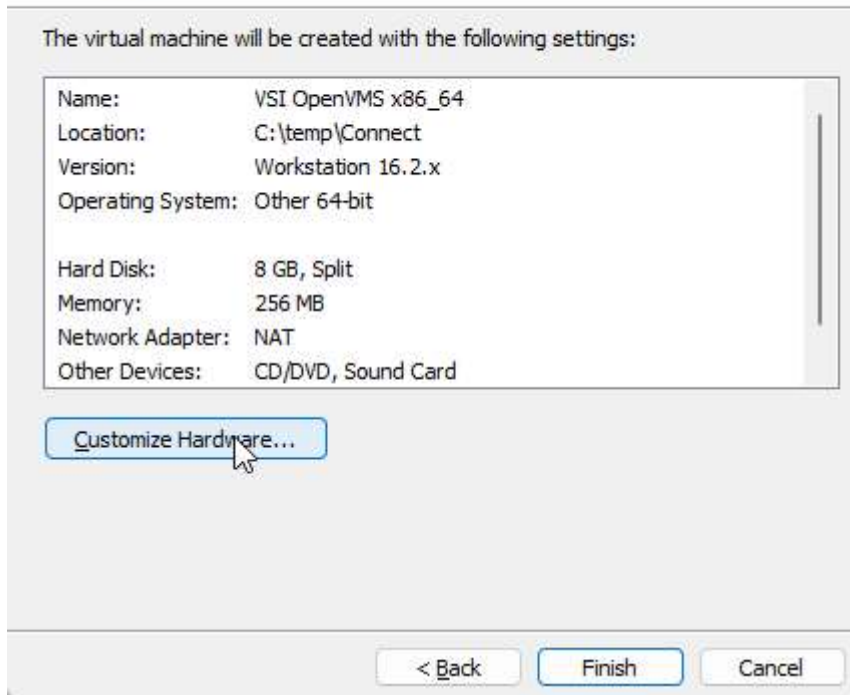
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

Help < Back Next > Cancel

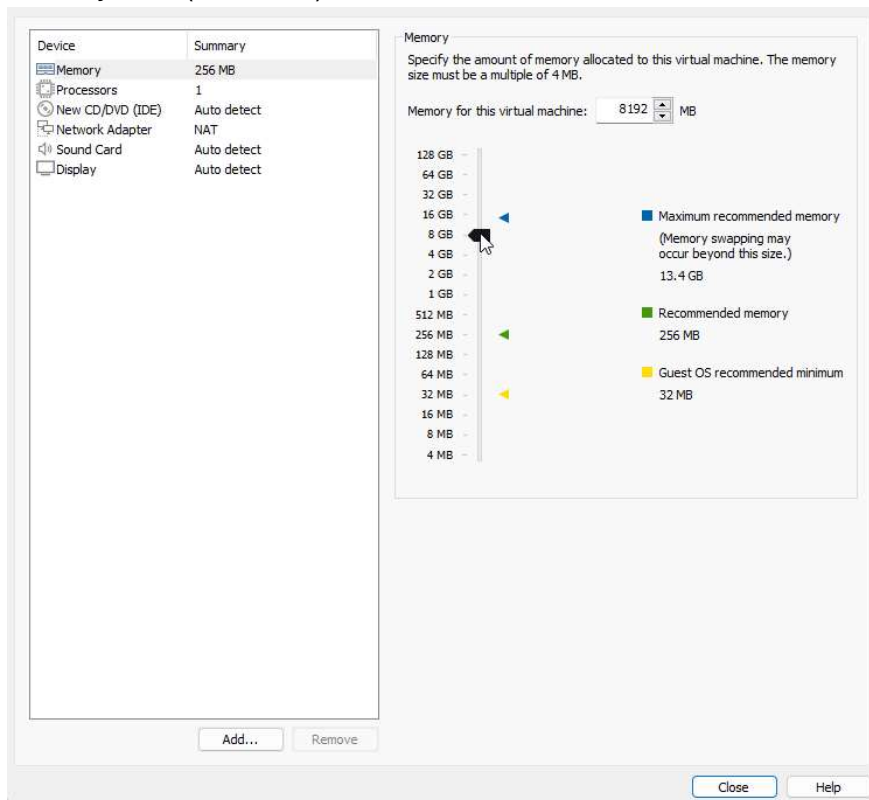
- Select Customize Hardware

Ready to Create Virtual Machine

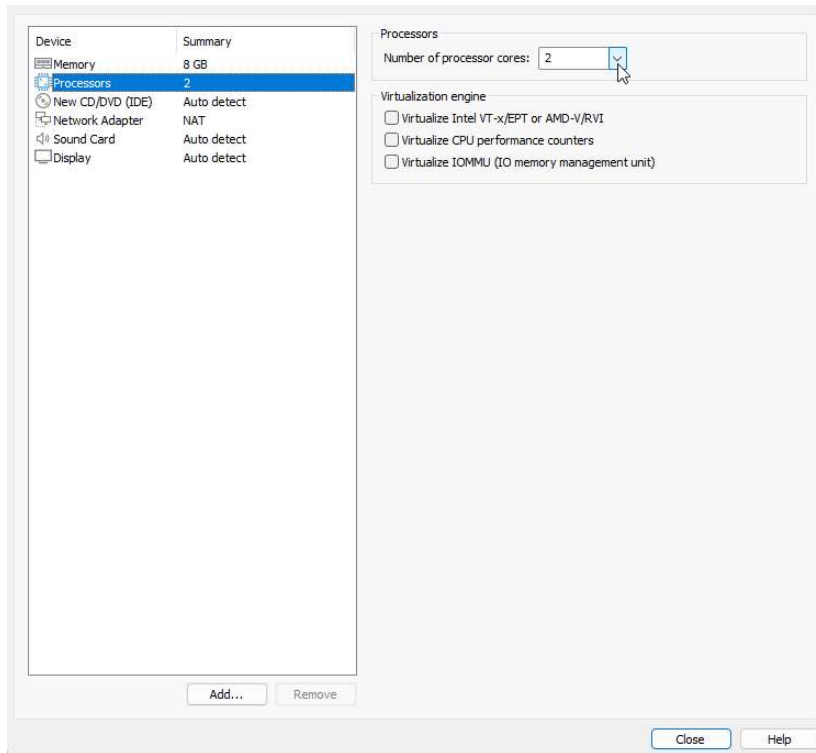
Click Finish to create the virtual machine. Then you can install Other 64-bit.



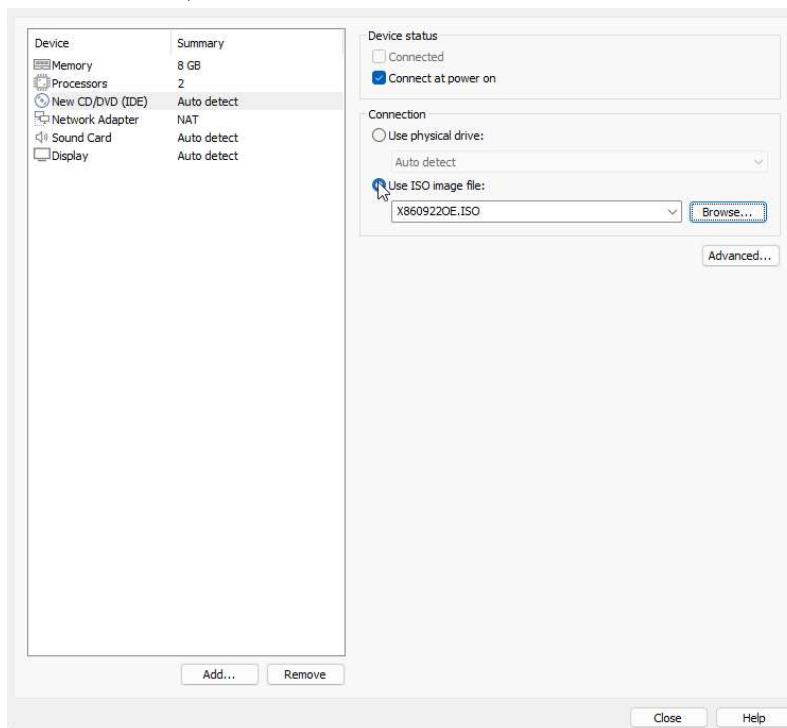
- Memory: 8GB (minimum)



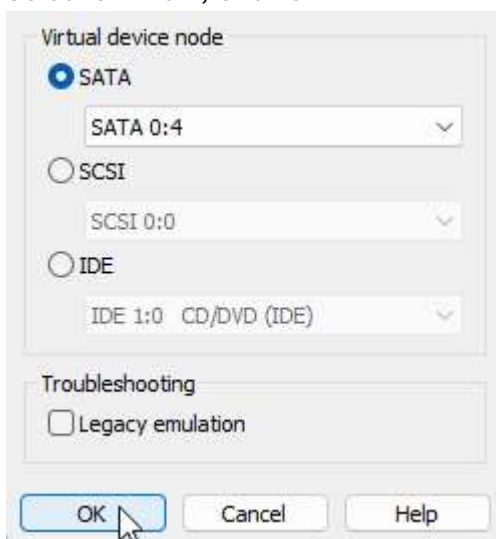
- Processors: 2 (minimum)



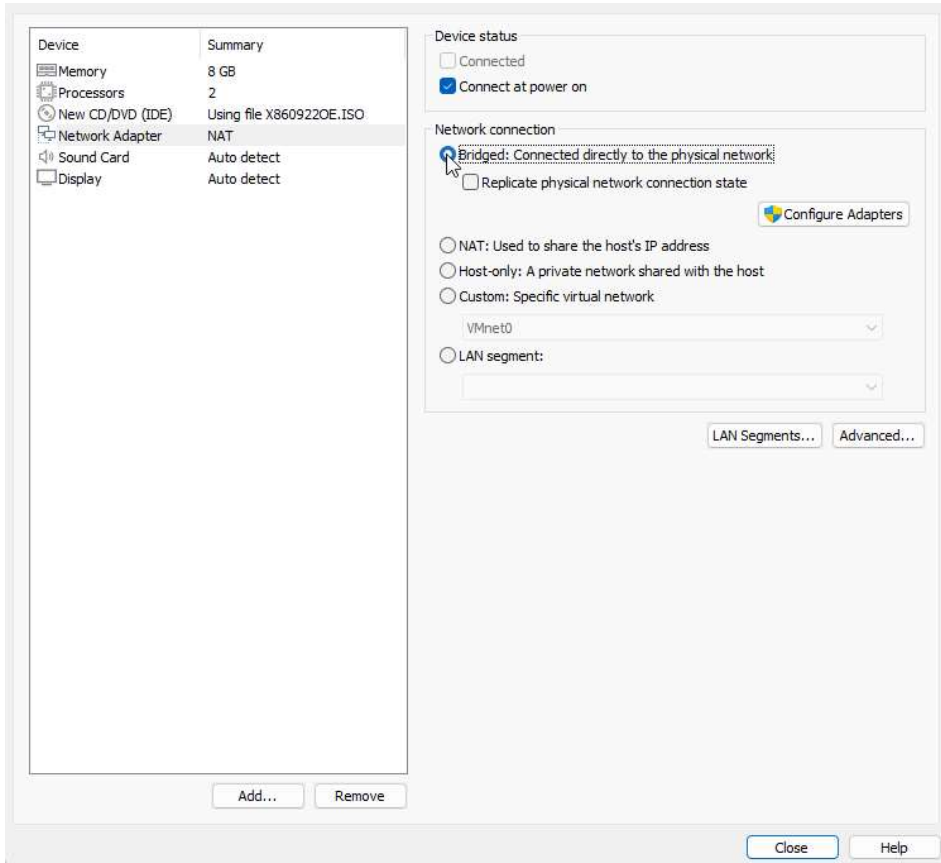
- CD/DVD: Select "Use ISO image file"
- Select Browse, Choose %VMDIR%\X860922OE.ISO



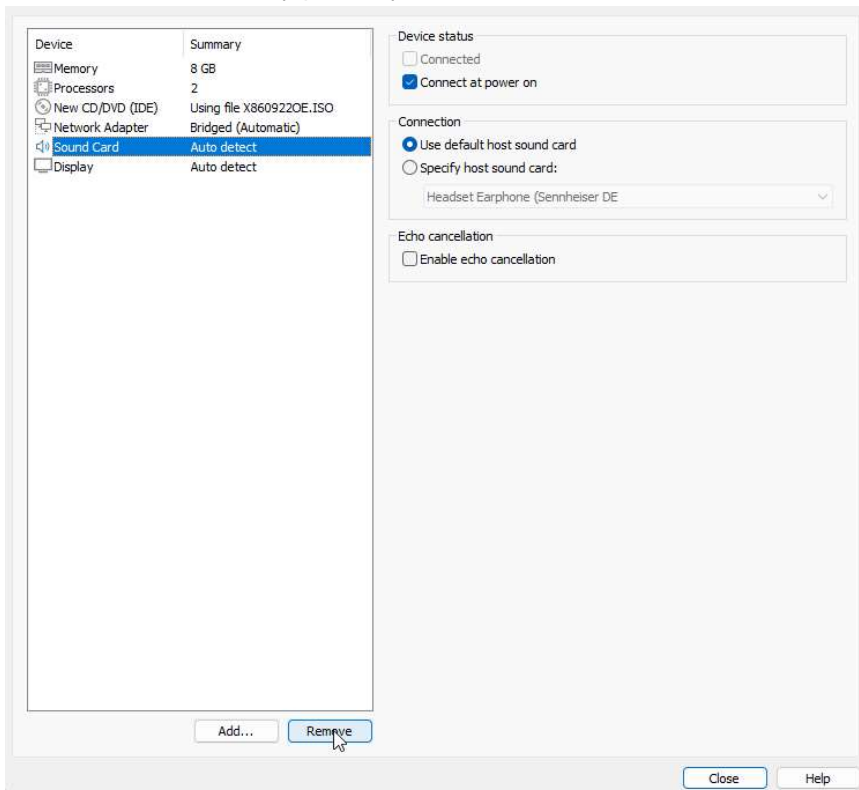
- Select Advanced
- Select SATA
- Select SATA 0:4, Click OK



- Network Adapter: Select Bridged



- Sound Card: Remove (optional)



- Click Add, Select Network Adapter, Select Host-Only

Hardware Type

What type of hardware do you want to install?

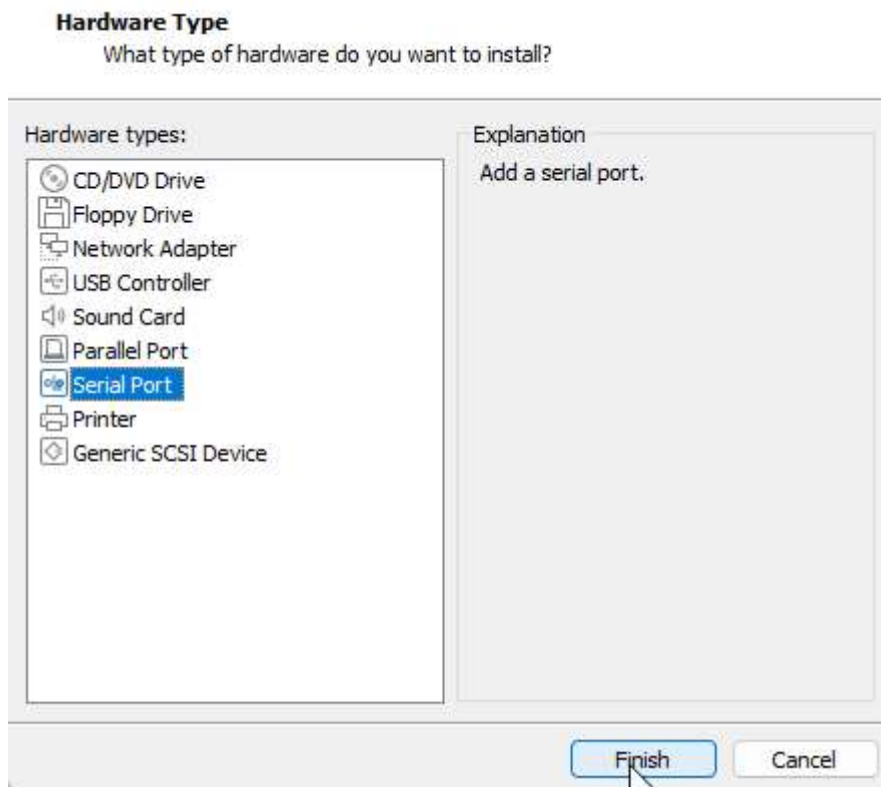
The image shows two overlapping dialog boxes from VMware Workstation. The top dialog, titled 'Hardware Type', asks 'What type of hardware do you want to install?'. It has a list of hardware types on the left: CD/DVD Drive, Floppy Drive, Network Adapter (highlighted in blue), USB Controller, Sound Card, Parallel Port, Serial Port, Printer, and Generic SCSI Device. On the right, there is an 'Explanation' field containing the text 'Add a network adapter.'. At the bottom right of this dialog are 'Finish' and 'Cancel' buttons.

The bottom dialog is the configuration for 'Network Adapter 2'. It has a table on the left showing device details:

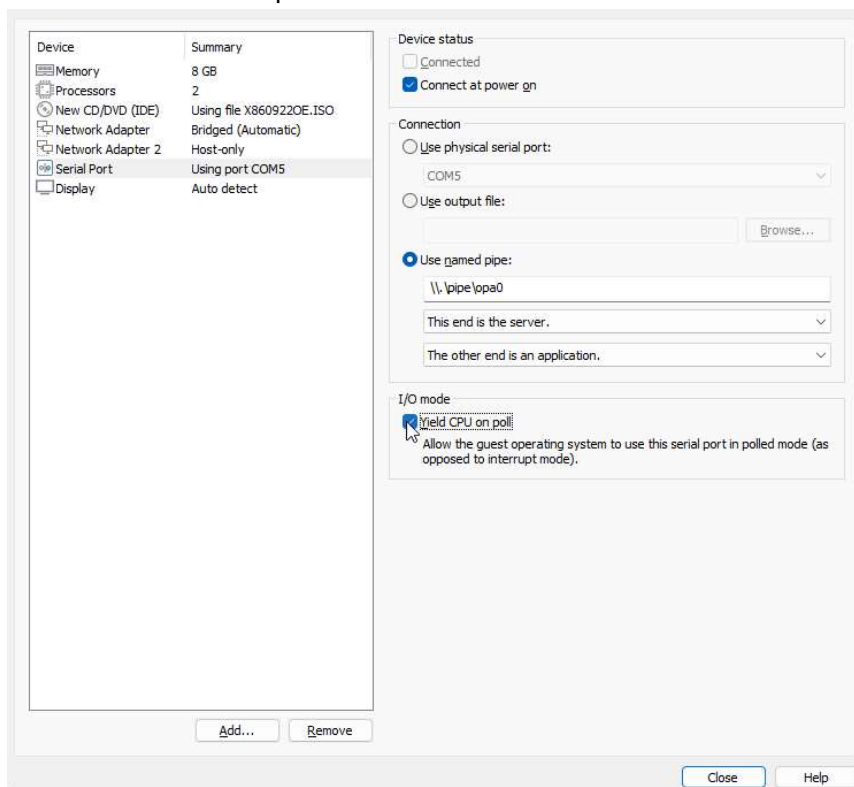
Device	Summary
Memory	8 GB
Processors	2
New CD/DVD (IDE)	Using file X8609220E.ISO
Network Adapter	Bridged (Automatic)
Network Adapter 2	NAT
Display	Auto detect

At the bottom of this table are 'Add...' and 'Remove' buttons. To the right of the table is the 'Device status' section with 'Connected' (unchecked) and 'Connect at power on' (checked). Below that is the 'Network connection' section with radio buttons for 'Bridged: Connected directly to the physical network' (unchecked), 'NAT: Used to share the host's IP address' (unchecked), 'Host-only: A private network shared with the host' (checked), and 'Custom: Specific virtual network' (unchecked). There is a 'Configure Adapters' button next to the NAT option. Below the radio buttons are two dropdown menus: the first is set to 'VMnet0' and the second is empty. At the bottom right of this section are 'LAN Segments...' and 'Advanced...' buttons. At the very bottom of the dialog are 'Close' and 'Help' buttons.

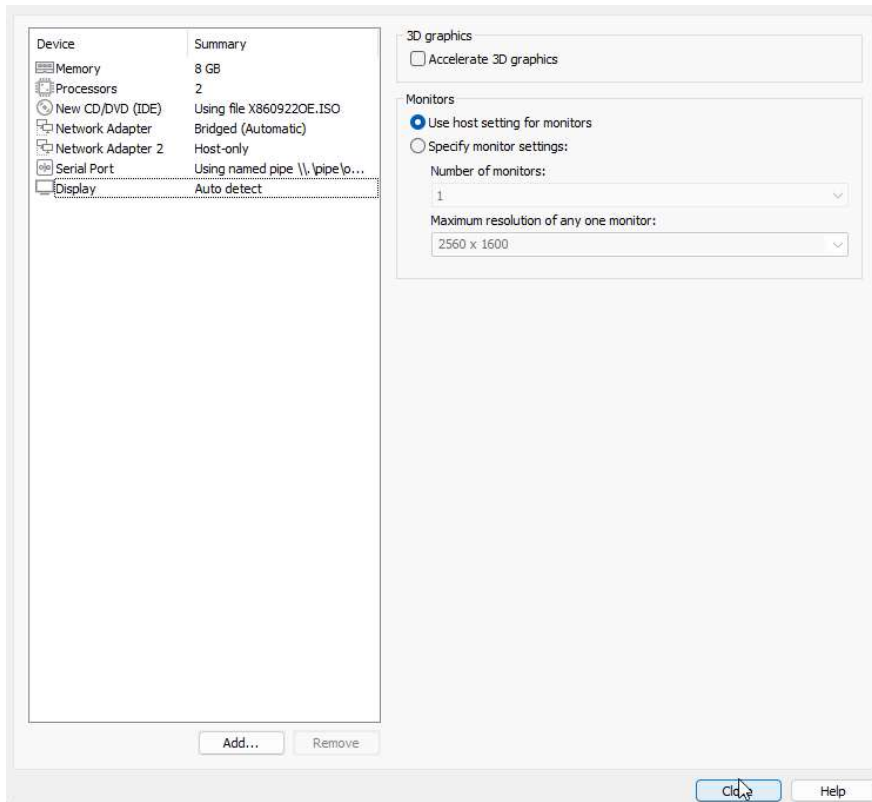
- Click Add, Select Serial Port



- Select "Use named Pipe"
Name: `\\.\pipe\opa0`
Select "This end is the server", "The other end is an application"
Check "Yield CPU on poll"



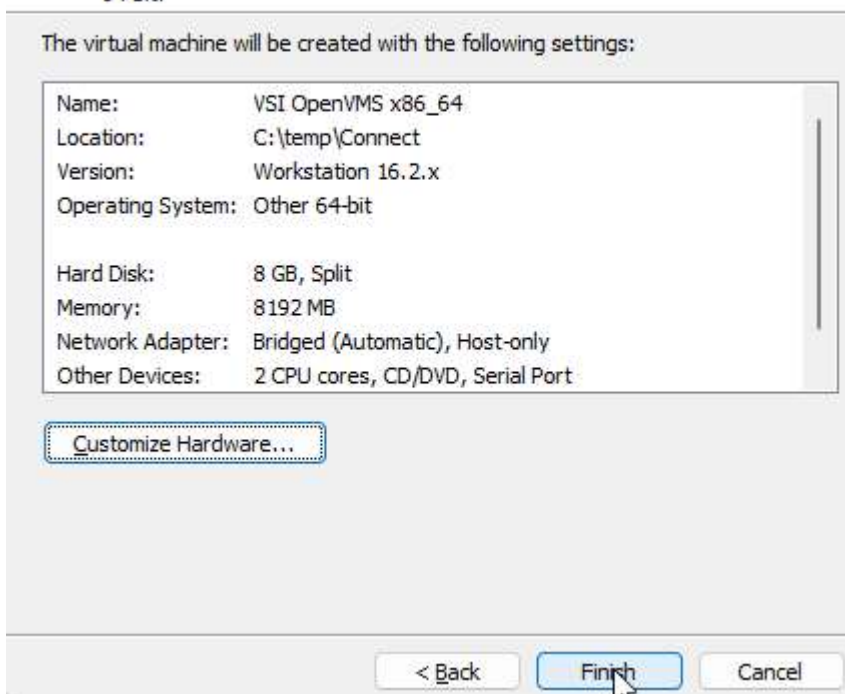
- Close Customize Hardware



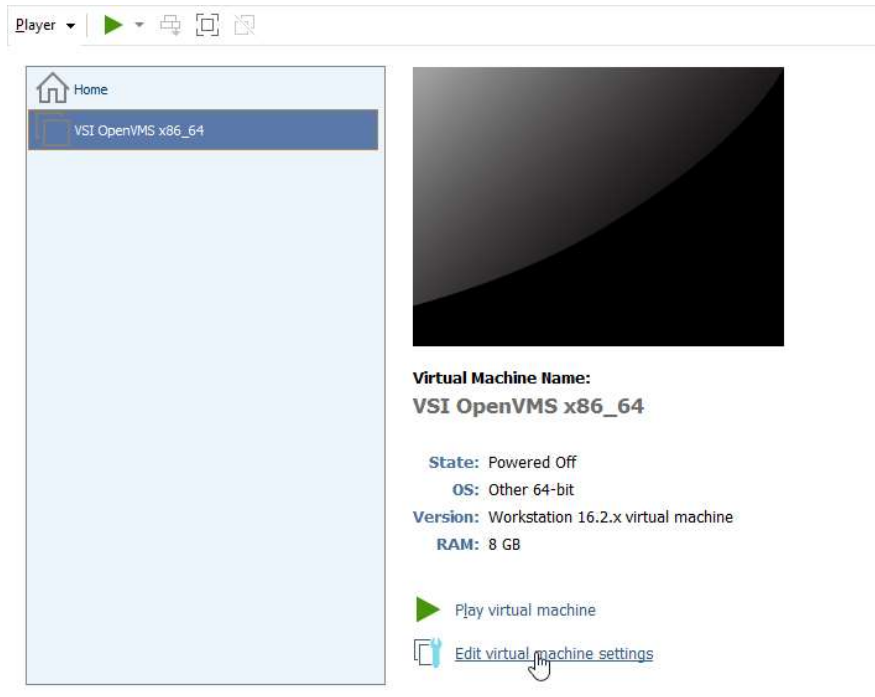
- Finish VM Creation

Ready to Create Virtual Machine

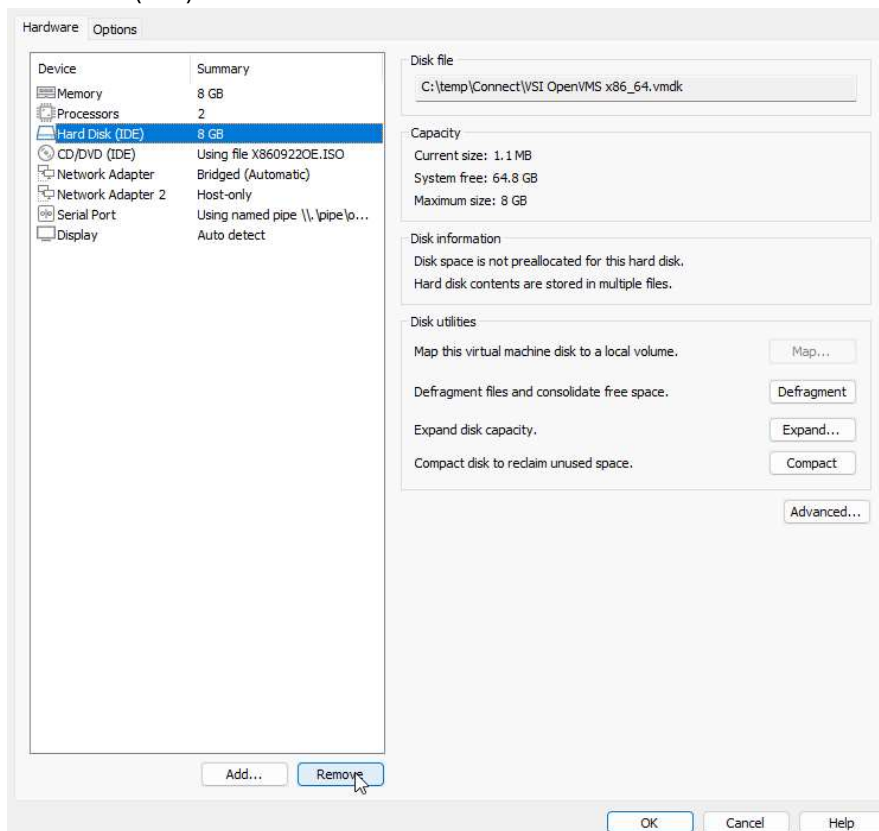
Click Finish to create the virtual machine. Then you can install Other 64-bit.



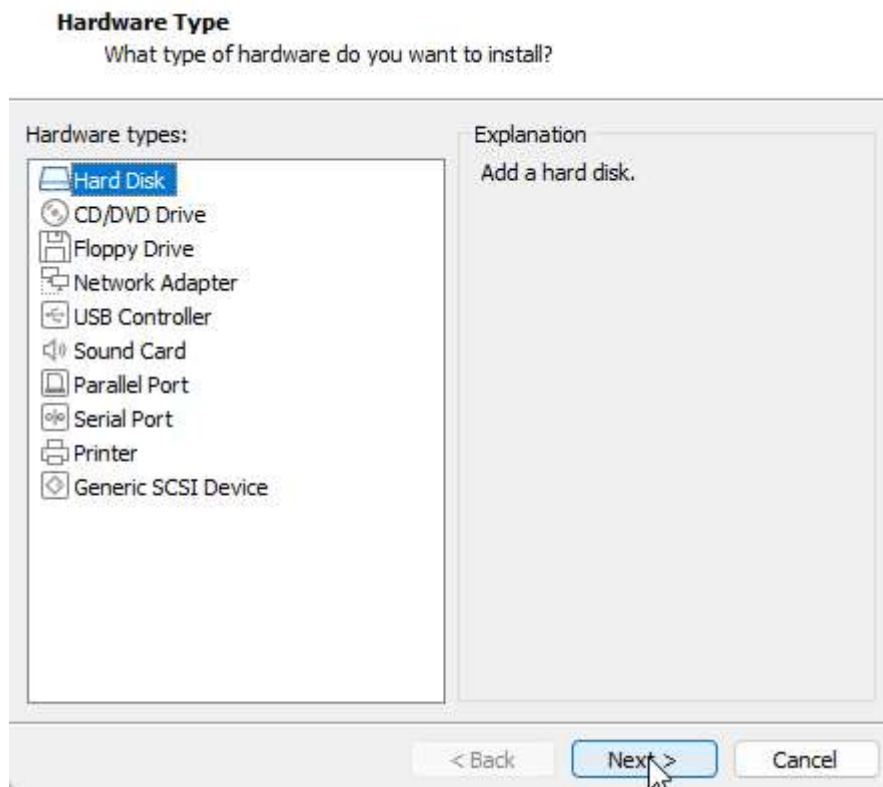
- Click "Edit VM settings"



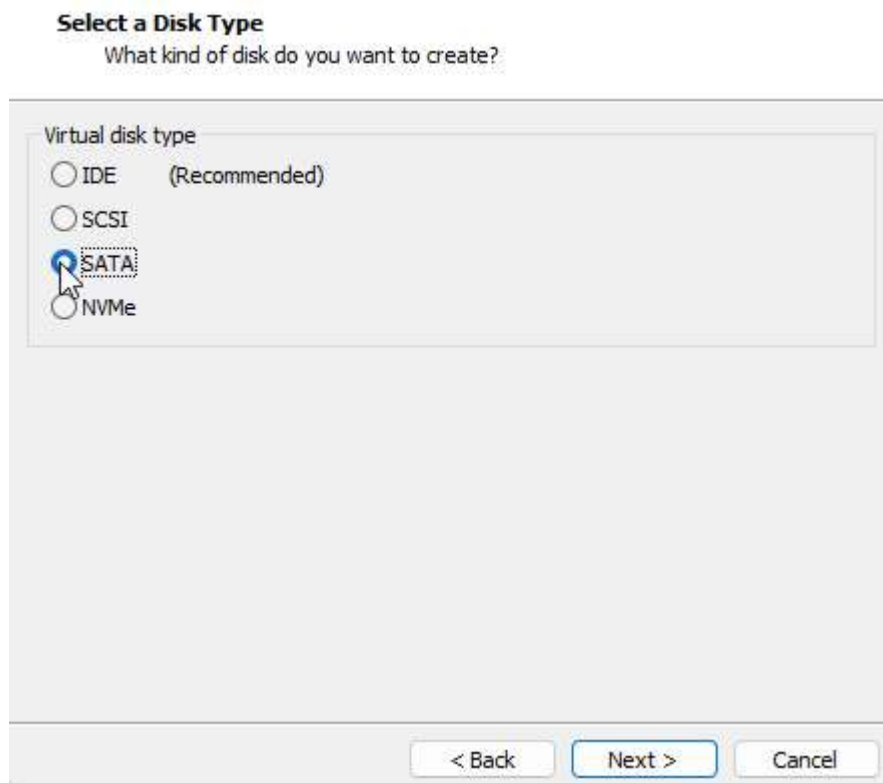
- Hard disk (IDE): Remove



- Click Add, Select Hard Disk, Click Next



- Select SATA, Click Next



- Select "Create a new virtual disk", Click Next

Select a Disk
Which disk do you want to use?

Disk

Create a new virtual disk
A virtual disk is composed of one or more files on the host file system, which will appear as a single hard disk to the guest operating system. Virtual disks can easily be copied or moved on the same host or between hosts.

Use an existing virtual disk
Choose this option to reuse a previously configured disk.

Use a physical disk (for advanced users)
Choose this option to give the virtual machine direct access to a local hard disk. Requires administrator privileges.

< Back Next > Cancel

- Maximum disk size: 15GB
- Check "Allocate all disk space now"
- Select "Store virtual disk as a single file", Click Next

Specify Disk Capacity
How large do you want this disk to be?

Maximum disk size (GB):

Recommended size for Other 64-bit: 8 GB

Allocate all disk space now.
Allocating the full capacity can enhance performance but requires all of the physical disk space to be available right now. If you do not allocate all the space now, the virtual disk starts small and grows as you add data to it.

Store virtual disk as a single file
 Split virtual disk into multiple files
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

< Back Next > Cancel

- Click Finish

Specify Disk File

Where would you like to store the disk file?

Disk file

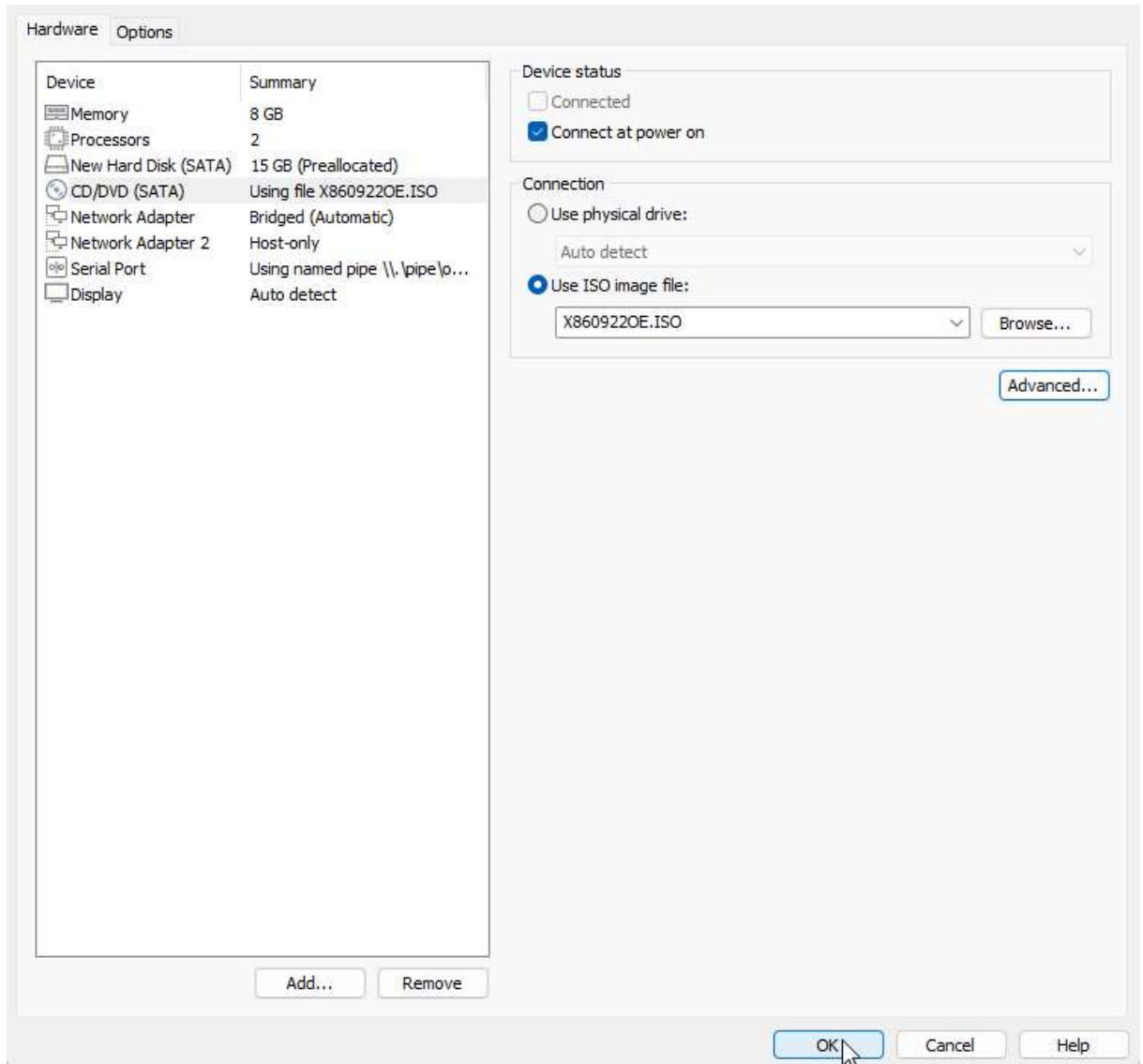
One 15 GB disk file will be created using this file name.

< Back Cancel

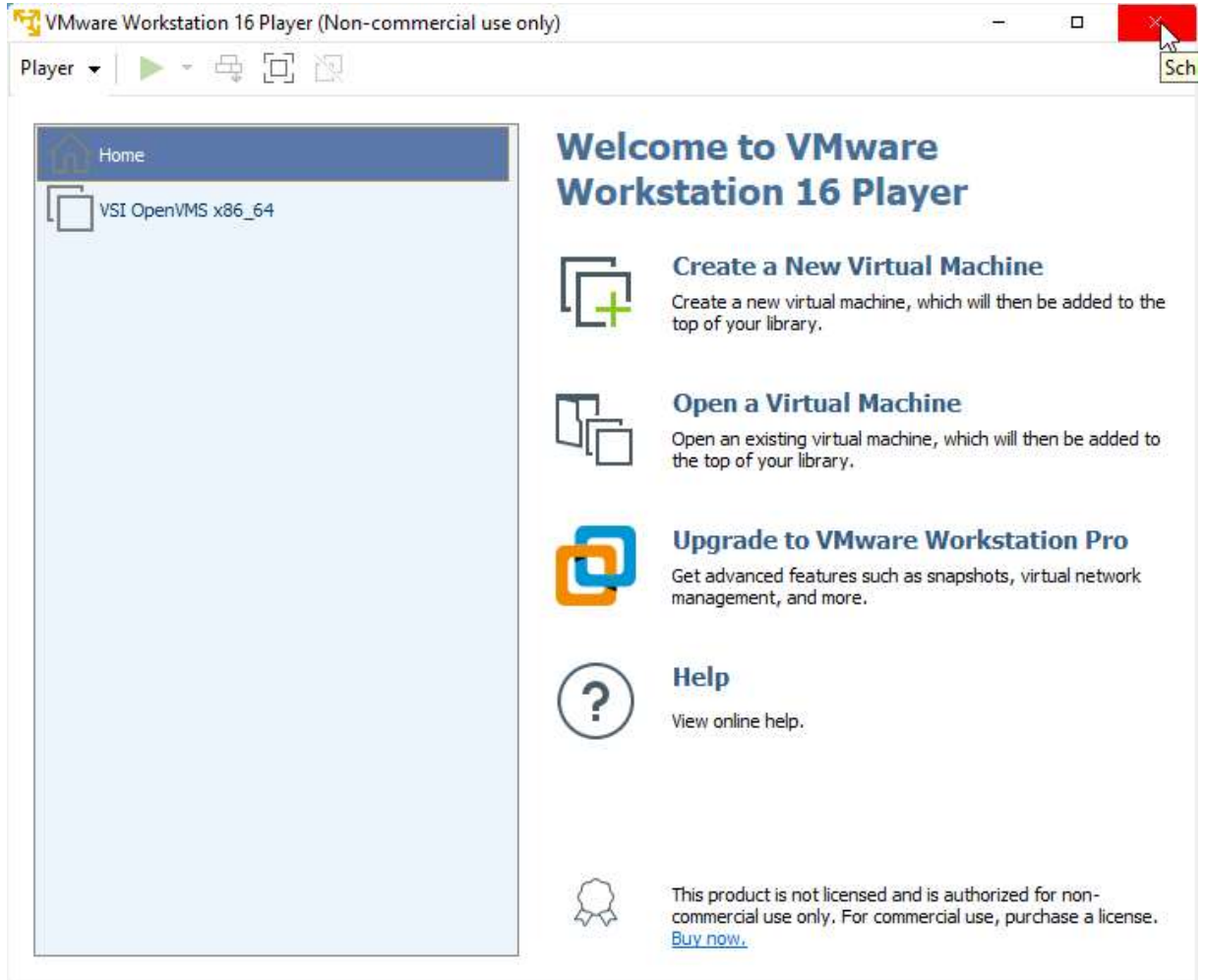
This creates the virtual disk. The device node is set to the default: SATA 0:0

Creating Disk...

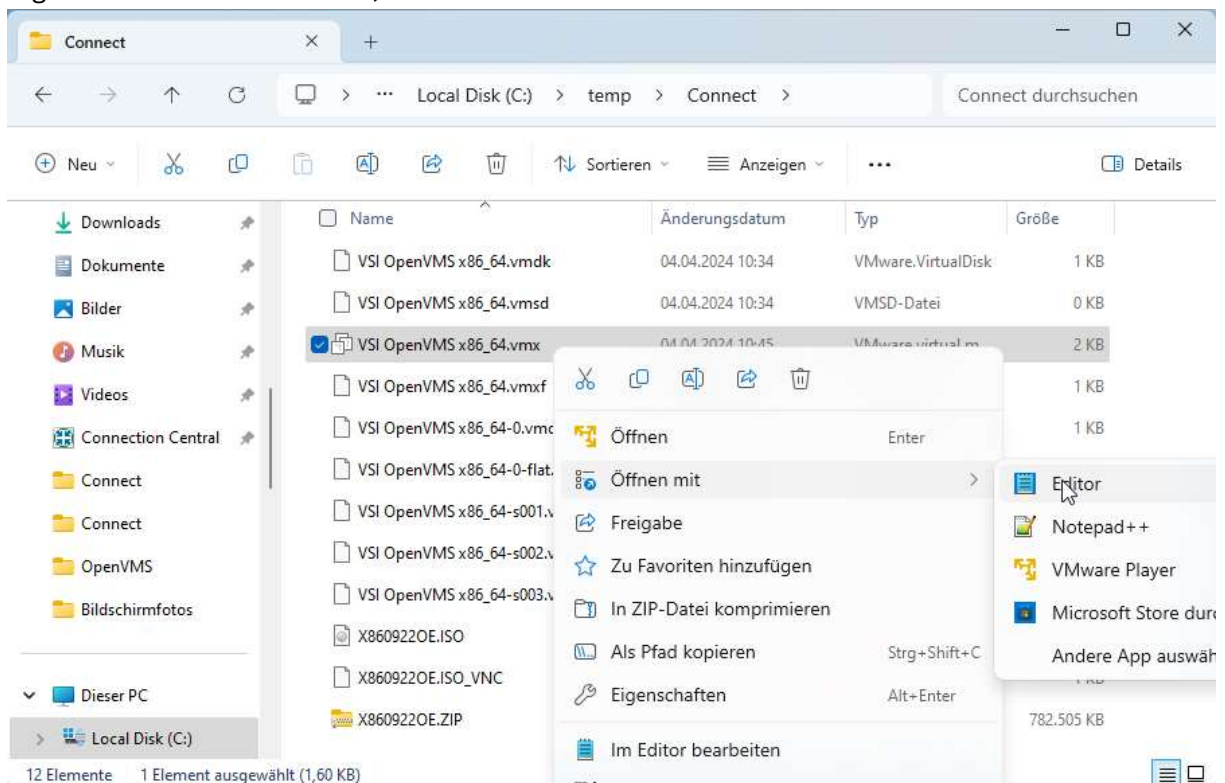
- Click OK, Close Edit VM settings



- Close VMware Player

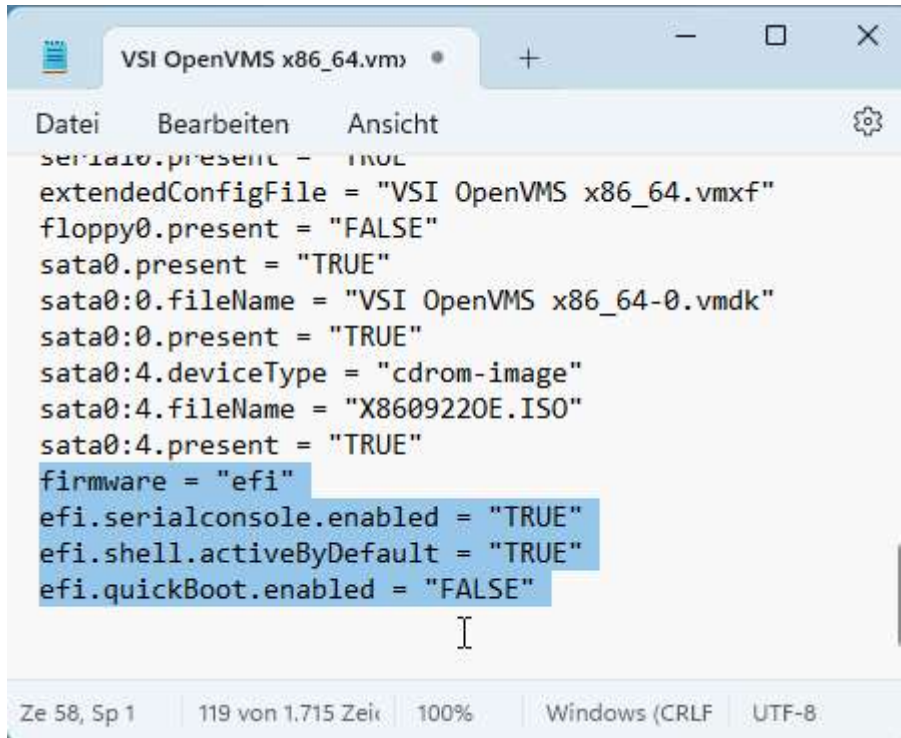


- Start Explorer, Go to %VMDIR%
Right Click %VMNAME%.vmx, Select Edit



- Append lines:

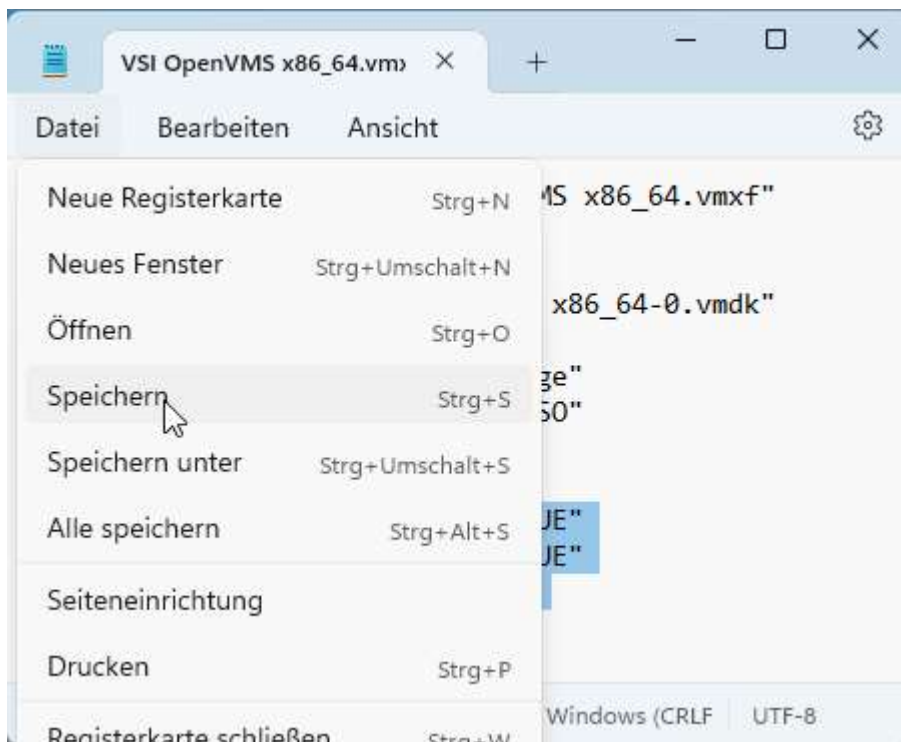
```
firmware = "efi"  
efi.serialconsole.enabled = "TRUE"  
efi.shell.activeByDefault = "TRUE"  
efi.quickBoot.enabled = "FALSE"
```



```
serio0.present = TRUE  
extendedConfigFile = "VSI OpenVMS x86_64.vmx"   
floppy0.present = "FALSE"  
sata0.present = "TRUE"  
sata0:0.fileName = "VSI OpenVMS x86_64-0.vmdk"  
sata0:0.present = "TRUE"  
sata0:4.deviceType = "cdrom-image"  
sata0:4.fileName = "X8609220E.ISO"  
sata0:4.present = "TRUE"  
firmware = "efi"  
efi.serialconsole.enabled = "TRUE"  
efi.shell.activeByDefault = "TRUE"  
efi.quickBoot.enabled = "FALSE"
```

Ze 58, Sp 1 | 119 von 1.715 Zeil | 100% | Windows (CRLF) | UTF-8

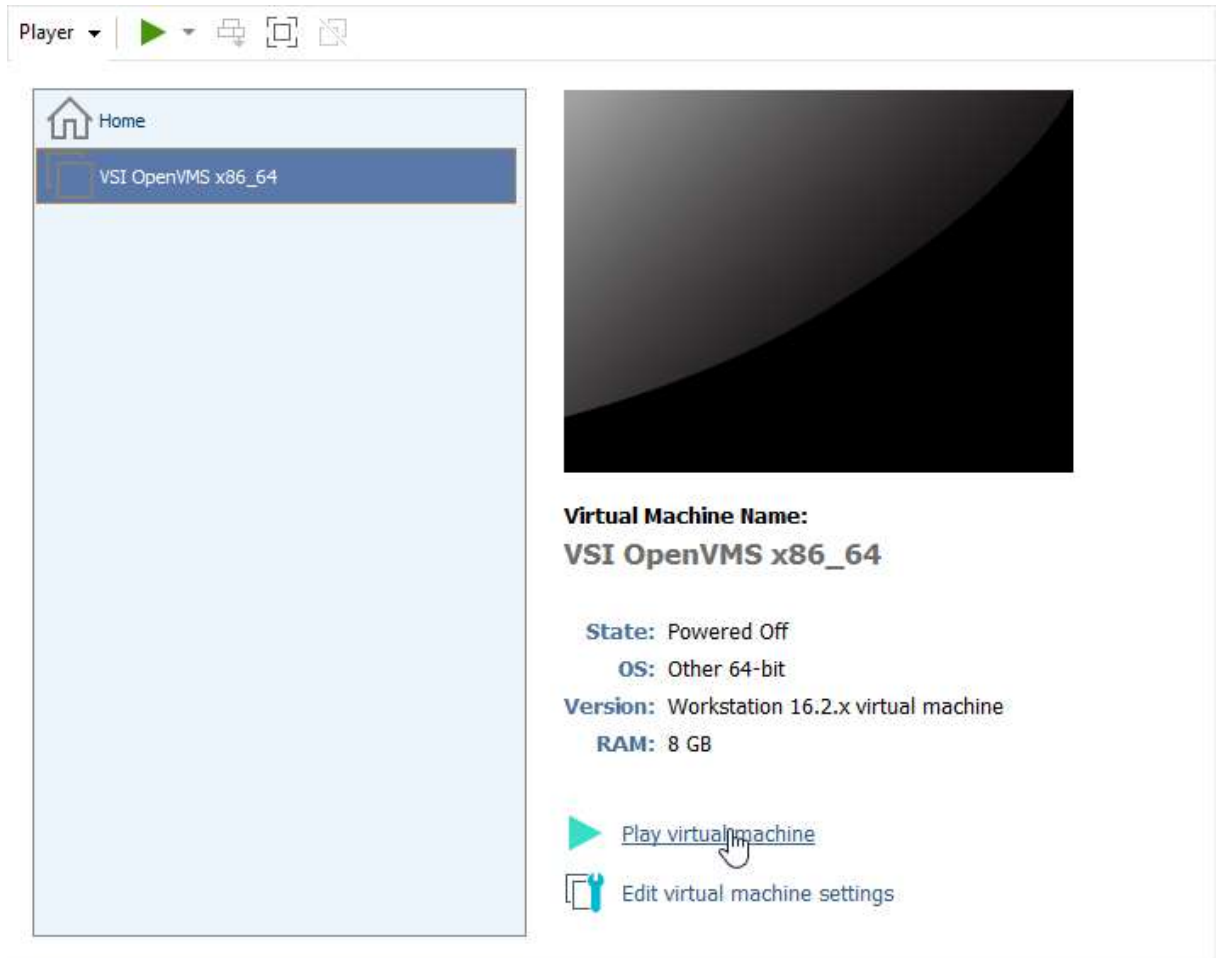
- Save file



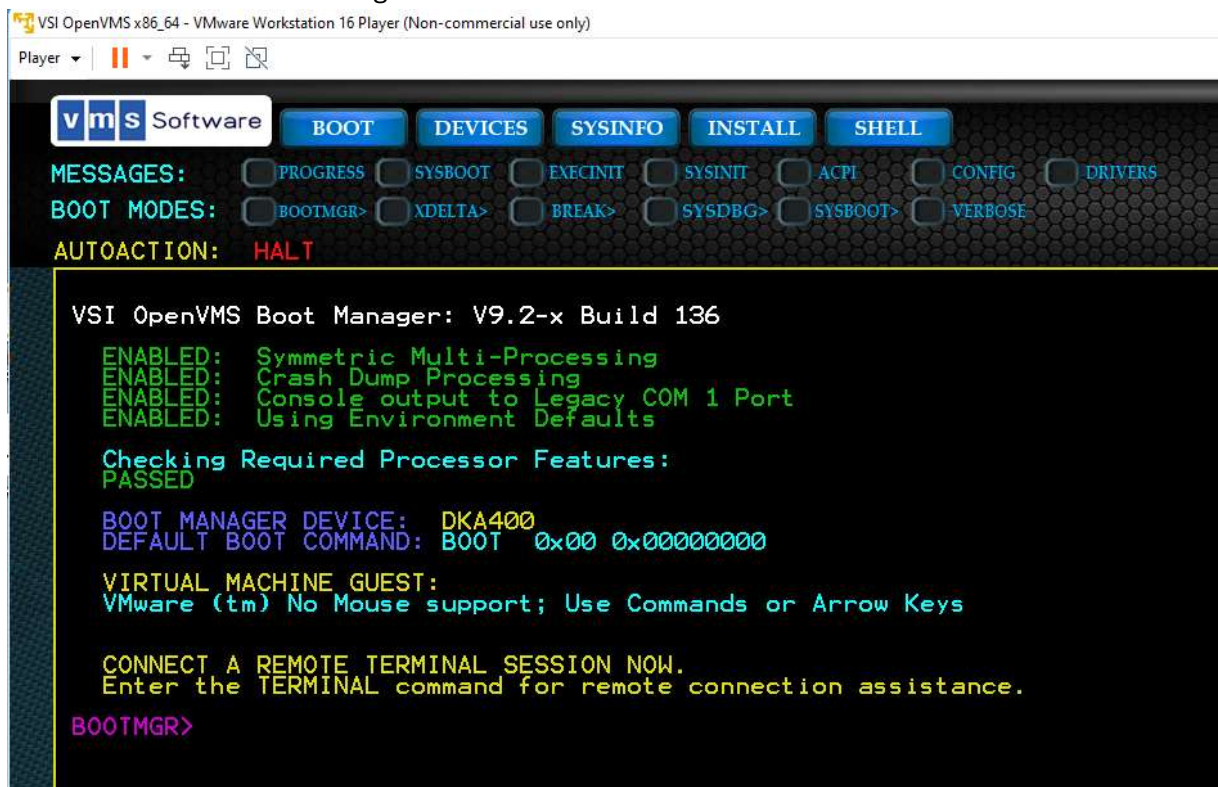
```
Neue Registerkarte Strg+N  
Neues Fenster Strg+Umschalt+N  
Öffnen Strg+O  
Speichern Strg+S  
Speichern unter Strg+Umschalt+S  
Alle speichern Strg+Alt+S  
Seiteneinrichtung  
Drucken Strg+P  
Registerkarte schließen Strg+W
```

Windows (CRLF) | UTF-8

- Start VMware Player, Click Play VM

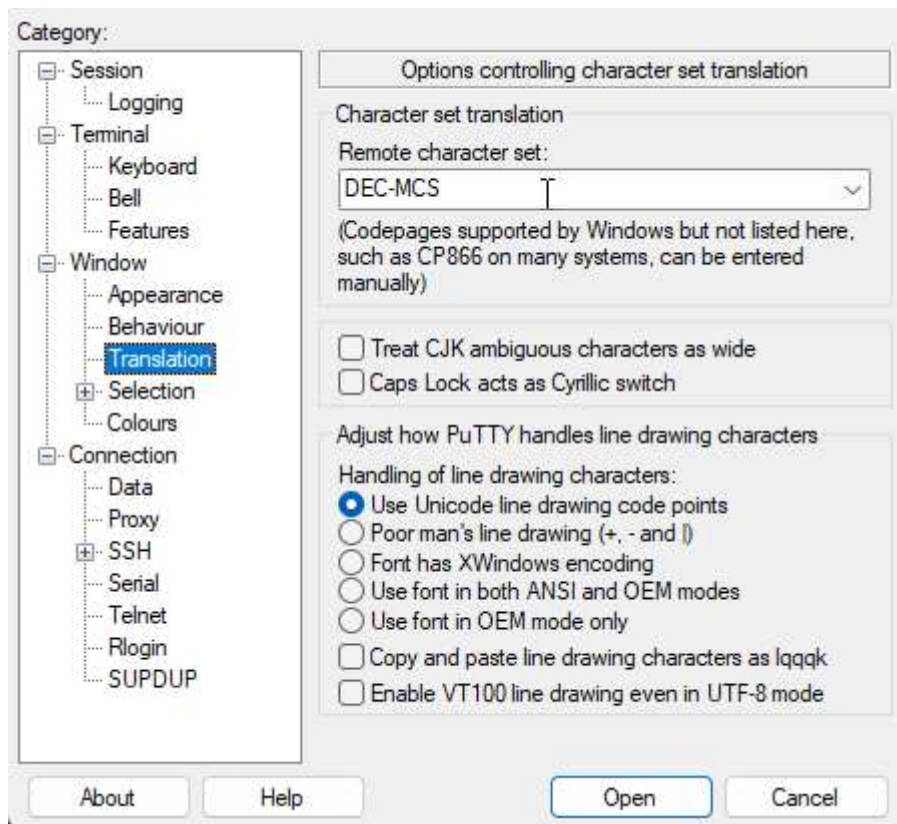


This starts the VSI Boot Manager

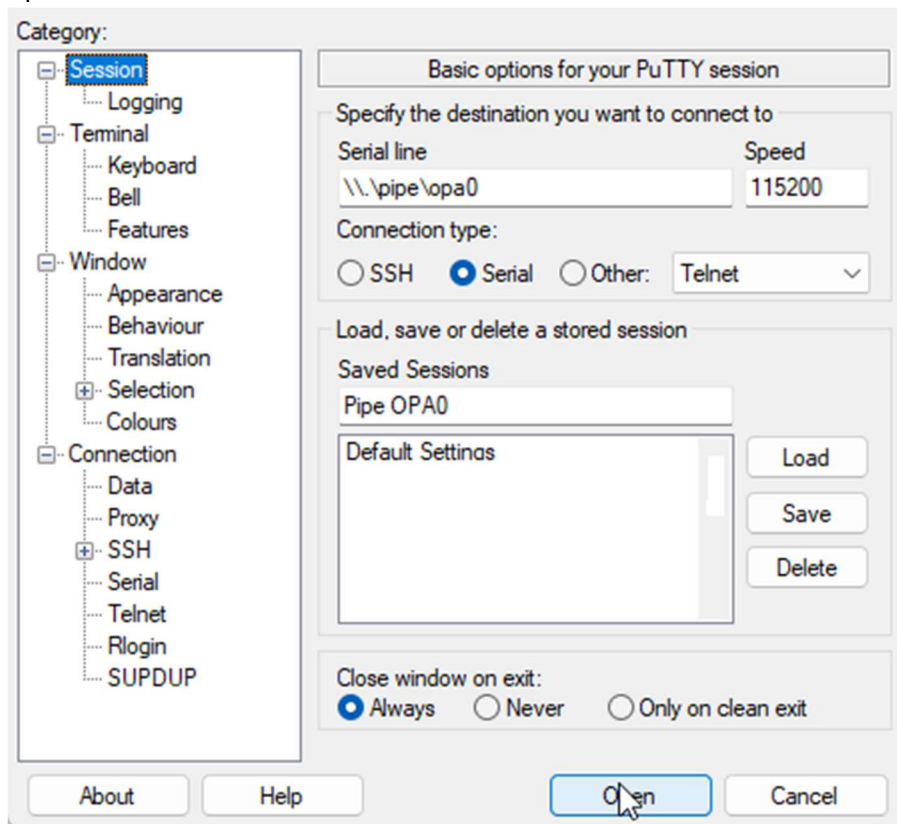


PuTTY Configuration

- Start PuTTY
Select Window / Translation
Choose Remote Character Set: DEC-MCS

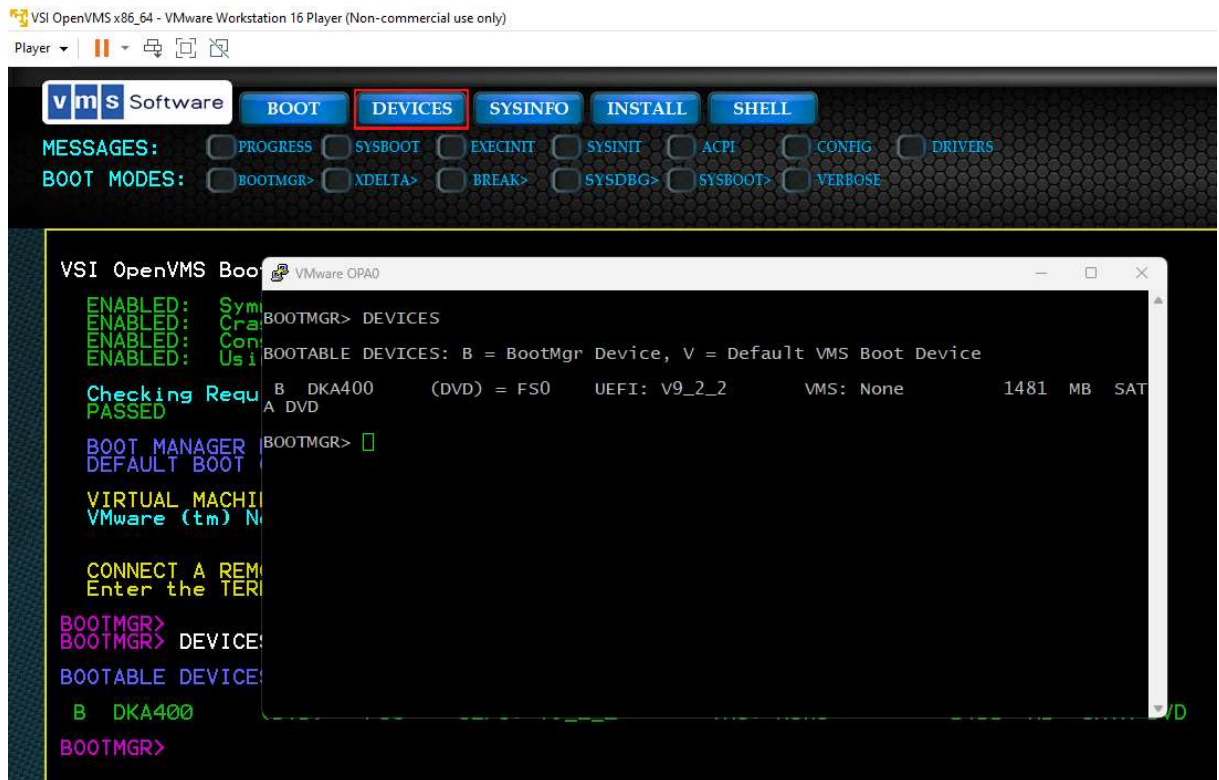


- Select Session
Select Connection type: Serial
Serial line: `\\.\pipe\opa0`
Speed: 115200



- Enter a name in Saved Session field, e.g. "VMS x86_64 Console"
- Click Save
- Click Open

- Check that when entering DEVICES<RETURN> in PuTTY, it is duplicated in Boot Manager window



TA DAAA!

- To proceed, enter BOOT DKA400 <RETURN>