

# Installing Windows 11

Goal of Lab:

• Installing Windows 11 Virtual Machine in VMware.

Requirements:

- PC running VMware workstation Pro.
- Windows 11 installation ISO.
- Internet connection







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# Task 1 – Creating a new Windows Virtual Machine.

## Step 1 - Creating Folder structure and copying ISO's.

#### Create Folder structure as per screenshot.

NOTE: If you are doing this lab in Hobart SOC, Explorer does not have shortcut. You need to use Windows Key + E

o New * do		In Pout → Int Allen → Int			Le Deta
A Home	Name	Date modified	Туре	Size	
Gallery	📜 ISO's	21/02/2024 9:59 AM	File folder		
	📁 Virtual Machines	19/02/2024 9:45 AM	File folder		
Desktop 3	*				
↓ Downloads	*				
Documents 3	*				
Pictures 3	*				
T7 Touch (E:)					

$\leftarrow \rightarrow 1$	1	C	Q	> Do	ocument	s >	ISO's						Search ISO's	۹
🕀 New 🗸	X		ſò		Ċ	Û	₽	Sort	View ~					Details
Home		N	ame		^				Date modified		Туре	Size		
Gallery		6	Win10_2	2H2_Eng	lish_x64.i	50			6/11/2022 12:48 PM	1	Disc Image File	5,971,862 KB		
		6	Win11_2	2H2_Eng	lish_x64v	1.iso			9/11/2022 11:37 AM	1	Disc Image File	5,427,180 KB		
E Desktop	*	6	Window:	s Server	2022_EVA	L_x64FR	E_en-us.i	so	5/06/2022 12:54 PN	1	Disc Image File	4,925,874 KB		
↓ Downloads	*													
Documents	*													

## Step 2 – Start VMware Workstation Pro

Start VMware Workstation Pro by clicking on icon on Desktop.



## Step 3 - Create a new Virtual Machine.





### Step 4 - New Virtual Machine Wizard

#### Select typical configuration.



#### Select appropriate Windows installation image.





Click Next.

New Virtual Machine Wizard	/ 1		×
Guest Operating System Insta A virtual machine is like a pl system. How will you install	<b>Illation</b> hysical computer; i the guest operatin	t needs an ope g system?	rating
Install from:			
O Installer disc:			
No drives available		~	
• Installer disc image file (iso):			
C:\Users\VukMutapovic\Docum	ments\ISO's\Win11	_22H2_f ~	Browse
↓ Windows 11 x64 detected. ○ I will install the operating systemetry of the operatin	em later.		
The virtual machine will be cre	eated with a blank	hard disk.	
Help	< Back	Next >	Cancel

# Step 2- Customising VM

Name Virtual Machine.

New Virtual Machine Wizard	×
Name the Virtual Machine What name would you like to use for this virtual machine?	
Virtual machine name: Windows 11 x64	
C:\Users\VukMutapovic\Documents\Virtual Machines\Windows 11 The default location can be changed at Edit > Preferences.	Browse
< Back Next >	Cancel

### Assign TPM module password: student1234

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New Virtual Machine Wizard	×				
<b>Encryption Information</b> How would you like to encrypt this virtual machine?					
This Guest OS requires an encrypted Trusted Platform Module to operate					
Your files will be encrypted using a password you must set. This password is stored in the systems credential manager. Keep a copy of the password in a safe place, you can not start this VM without it. Choose Encryption Type All the files (.vmdk, .vmx, etc) for this virtual machine are encrypted.					
Only the files needed to support a TPM are encrypted. (.nvram, . .vmem, .vmx, .vmsn)	.vmss,				
Password ••••••	Сору				
Confirm Password					
< Back Next >	Cancel				



### Configure Disk size to 100GB.

New Virtual Machine Wizard	$\times$
<b>Specify Disk Capacity</b> 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 compu- physical disk. These file(s) start small and become larger as you add application and data to your virtual machine.	iter's s, files,
Maximum disk size (GB):	
Recommended size for Windows 11 x64: 64 GB	
<ul> <li>Store virtual disk as a single file</li> <li>Split virtual disk into multiple files</li> <li>Splitting the disk makes it easier to move the virtual machine to another combut may reduce performance with very large disks.</li> </ul>	nputer
Help < Back Next > Can	cel

Customize hardware.

 $\times$ 



Click Finish to create the virtual machine and start installing Windows 11 x64. The virtual machine will be created with the following settings: Name: Windows 11 x64

Location:	C:\Users\VukMutapovic\Documents\Virtual Machines\Windo
Version:	Workstation 17.5.x
Operating System:	Windows 11 x64
Hard Disk:	100 GB, Split
Memory:	4096 MB
Network Adapter:	NAT
Other Devices:	2 CPU cores, CD/DVD, USB Controller, Sound Card
Customize Hardw	are ual machine after creation
	< Back Finish Cancel

#### Assign 2 processors and 2 cores.

Device Summary Memory 4 GB Processors 4 New CD/DVD (SATA) Using file C:\Users\VukMutapov Network Adapter NAT SudS Controller Present Sound Card Auto detect Display Auto detect	Processors          Number of processors:       2         Number of cores per processor:       2         Total processor cores:       4         Virtualization engine       Virtualize Intel VT-x/EPT or AMD-V/RVI         Virtualize CPU performance counters       Virtualize IOMMU (IO memory management unit)
--	---

Finalise wizard.

Click Finish to x64.	<b>Virtual Machine</b> create the virtual machine and start installing Windows 11
e virtual machine	will be created with the following settings:
ame:	Windows 11 x64
ocation:	C:\Users\VukMutapovic\Documents\Virtual Machines\Windo
ersion:	Workstation 17.5.x
perating System:	Windows 11 x64
ard Disk:	100 GB, Split
lemory:	4096 MB
etwork Adapter:	NAT
ther Devices:	4 CPU cores, CD/DVD, USB Controller, Sound Card
Customize Hardy	vare
Power on this virt	tual machine after creation

# Task 2 – Installing Windows 11.

If all is done correctly your Windows should boot.

Press any key 😊 .



Close information status bar.

Click in the virtual screen Install Windows 11 x64 as you would on a physical computer. When you are done and the operating system boots up, click 'I Finished Installing'.

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0

1 Finished Installing Help



# Step 1 – Selecting Language, Time, and Keyboard

	Na Windows Setup		- 0 💌
		Windows	
	Languag <u>e</u> to install: <mark>En</mark> Time and currency format	nglish (United States)	
	Keyboard or input method: US	s	
	Enter your language and	d other preferences and click "Next" to continue.	Nex
×			

## Step 2 – Start installation.

<b>X</b>		
	🕯 Windows Setup	
	Windows	
	Jinstall now	
	<u>R</u> epair your computer	

Click on I do not have a product key.





## Step 3 – Select Windows 11 Education

	A Windows Satur		×	
	Windows Setup			
	Select the operating system you want to insta	all		
	Operating system	Architecture	Date modified	
	Windows 11 Home	x64	9/25/2022	
	Windows 11 Home N	x64	9/25/2022	
	Windows 11 Home Single Language	x64	9/25/2022	
	Windows 11 Education	x64	9/25/2022	
	Windows 11 Education N	x64	9/25/2022	
	Windows 11 Pro	x64	9/25/2022	
	Windows 11 Pro N	x64	9/25/2022	
	110 1 11 0 F1 12	0	0.025.0000	
	Windows 11 Education			
			Next	
Collection information	- Jasta Kasalawa			
Collecting information	2 <sup>Installing Windows</sup>			



# Step 4 – Accept EULA

	Co Mindows Setup	
*	Last updated June 2021         MICROSOFT SOFTWARE LICENSE TERMS         WINDOWS OPERATING SYSTEM         IF YOU LIVE IN (OR IF YOUR PRINCIPAL PLACE OF BUSINESS IS IN) THE UNITED STATES, PLEASE READ THE BINDING ARBITRATION CLAUSE AND CLASS ACTION WAIVER IN SECTION 11. IT AFFECTS HOW DISPUTES ARE RESOLVED.         Thank you for choosing Microsoft!	
	Copy accept the Microsoft Software License Terms. If an organization is licensing it, I am authorized to bind the organization.	
1 Collecting information	2 Installing Windows	

## Step 5 – Select Custom Install

×		
0	🖉 Windows Setup	1
	Which type of installation do you want?	
	<u>Upgrade:</u> Install Windows and keep files, settings, and applications The files, settings, and applications are moved to Windows with this option. This option is only available when a supported version of Windows is already running on the computer.	
	Custom: Install Windows only (advanced) The files, settings, and applications aren't moved to Vindows with this option. If you want to make changes to partitions and drives, start the computer using the installation disc. We recommend backing up your files before you continue.	
1 Collecting information 2	Installing Windows	

## Step 6 – Select drive where you want to install Windows.



Where do you v	vant to install Wir	ndows? Total size	Free space Type		
Drive 0 Una	llocated Space	100.0 GB	100.0 GB		
€9: Befresh € Load driver	X Delete 2 Extend	Eormat	<b>₩</b> Ngw	Next	

ł	Mindows Stup Installing Windows Status
	Copying Windows files Getting files ready for installation (0%) Installing features Installing updates Finishing up
1 Collecting information	2 Installing Windows

# Step 7 – Finalise Windows installation.

Select appropriate location.





### Select Keyboard layout.

Is this the right keyboard layout or input method?
If you also use another keyboard layout, you can add that next.
US
Canadian Multilingual Standard
English (India)
Irish
NZ Aotearoa
Scattich Gaolic
Yes

Click on Sign in options.



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、 Next 家 の)

Click on Domain to join.

÷	Let's set things up for your
	work or school
	You'll use this info to sign in to your devices.
	Microsoft
	Sign-in options
	Face, fingerprint, PIN or security key Use your device to sign in with a passkey.
	Co Domain join instead
	×

Assign Student name.



	Who's going to use this device? You'll use this name to sign in to your device.
000	Enter your name student × Even better, use an online account
	Next

Assign the password.

÷	
	Create a super memorable password
	Make sure to pick something you'll absolutely remember.
~	Enter a password
000	Even better, use an online account
	Next

Conform password.





Add 3 security questions.

<	Now add security questions   Just in case you forget your password, choose 3 security questions. Make sure your answers are unforgettable.   Security question (1 of 3)   Wat's the name of the city where you v v   Your answer   Even better, use an online account
	Next

Choose privacy settings.





Windows will update automatically.





### Disable Windows Backup.

Resyde Bio	Q. Type here to search	
Marcesalt	Pinned	All apps >
lideje	Edge Settings Calendar File Explorer	
3		
		ConeDrive ···· ×
	Recommended Get Started Welcome to Windows	Turn On Windows Backup Automatically save your Desktop, Documents, and Pictures to OneDrive so you can keep them protected and access them from anywhere.
		Remind me again in:
		1 Week ~
	Student	Let's get started No thanks
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#### Verify that internet is working.

