WINDOWS 11

Operating System

Intro to Advanced

FULL COURSE • FREE



LONG VIDEO • 28 MIN

WINDOWS 11 • FULL COURSE

Windows Operating System Introduction to Advanced

From your first click to troubleshooting like a pro

FREE FULL COURSE • MyWebUniversity.com



Wahidullah Lutfy
Founder, MyWebUniversity • CS Teacher

COURSE ROADMAP

What You Will Learn

1 · Foundations
What an operating system is, the history of Windows, and versions and editions.

2 · Getting started
Installing, signing in, the desktop, taskbar, Start menu, and windows.

3 · Everyday skills
File Explorer, apps, Settings, and productivity features.

4 · Security and networking
Accounts, Windows Security, firewall, updates, Wi-Fi and backups.

5 · Advanced
Task Manager, system tools, the command line, and troubleshooting.





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PART 1 · FOUNDATIONS

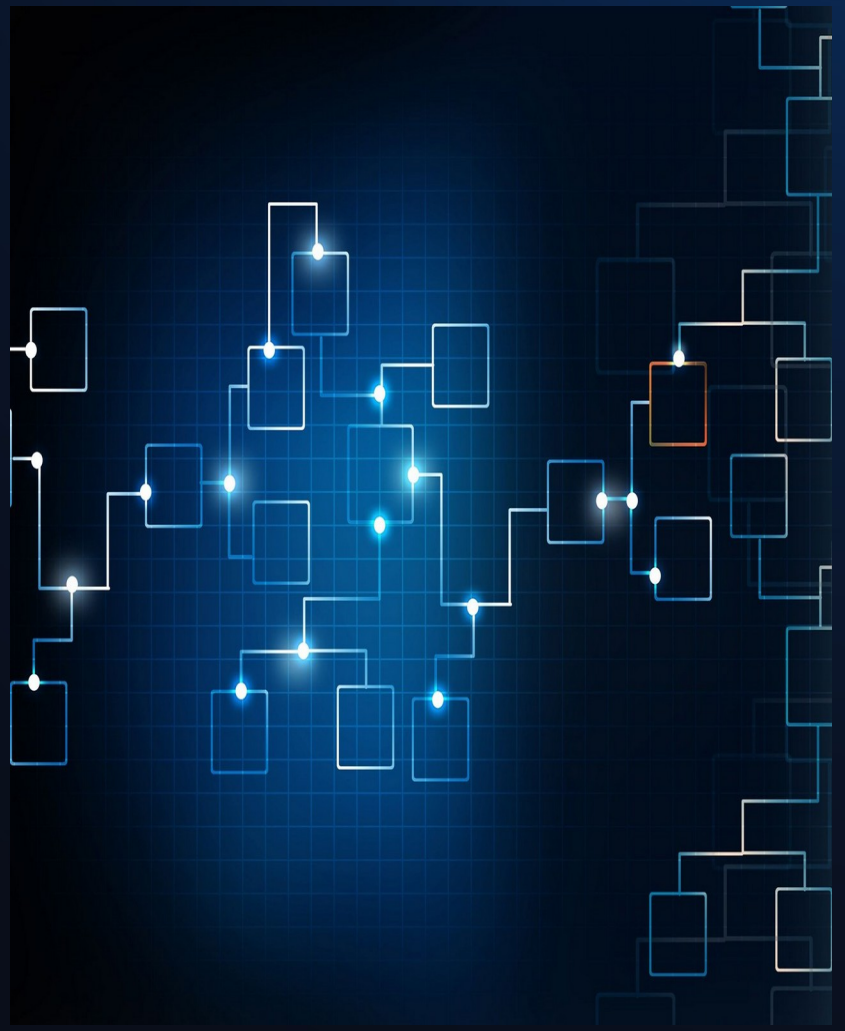
FOUNDATIONS

What Is an Operating System?

The manager
Shares the CPU, memory, storage and network between all your programs.

The bridge
Translates your clicks and typing into actions the hardware understands.

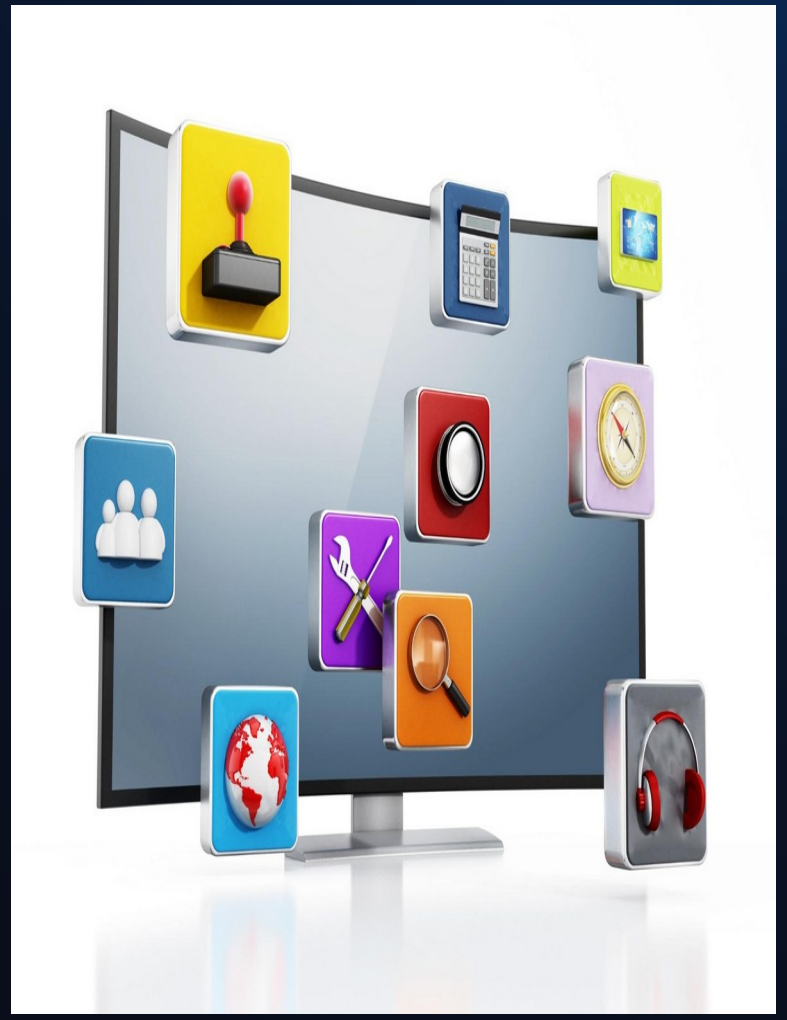
The protector
Keeps users, apps and data separated and safe.



FOUNDATIONS

The History of Windows

- **1985** — Windows 1.0: a graphical shell on top of MS-DOS
- **1990** — Windows 3.0: the first big success, with Program Manager
- **1995** — Windows 95: the Start button and taskbar are born
- **2001** — Windows XP: a stable, modern system for everyone
- **2009** — Windows 7, then Windows 10 in 2015
- **2021** — Windows 11: new design, stronger security



FOUNDATIONS

Windows 11 Editions & Requirements

Home
For personal use: everything most people need.

Pro
Adds BitLocker, Hyper-V, Remote Desktop host, Group Policy and domain join.

Enterprise and Education
For organizations and schools, with extra management and security.

Minimum hardware
64-bit 1 GHz dual-core CPU, 4 GB RAM, 64 GB storage, TPM 2.0 and Secure Boot.




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PART 2 · GETTING STARTED

GETTING STARTED

Installation and First Setup

Upgrade or clean install

Upgrade keeps your files and apps; a clean install starts fresh.

Installation media

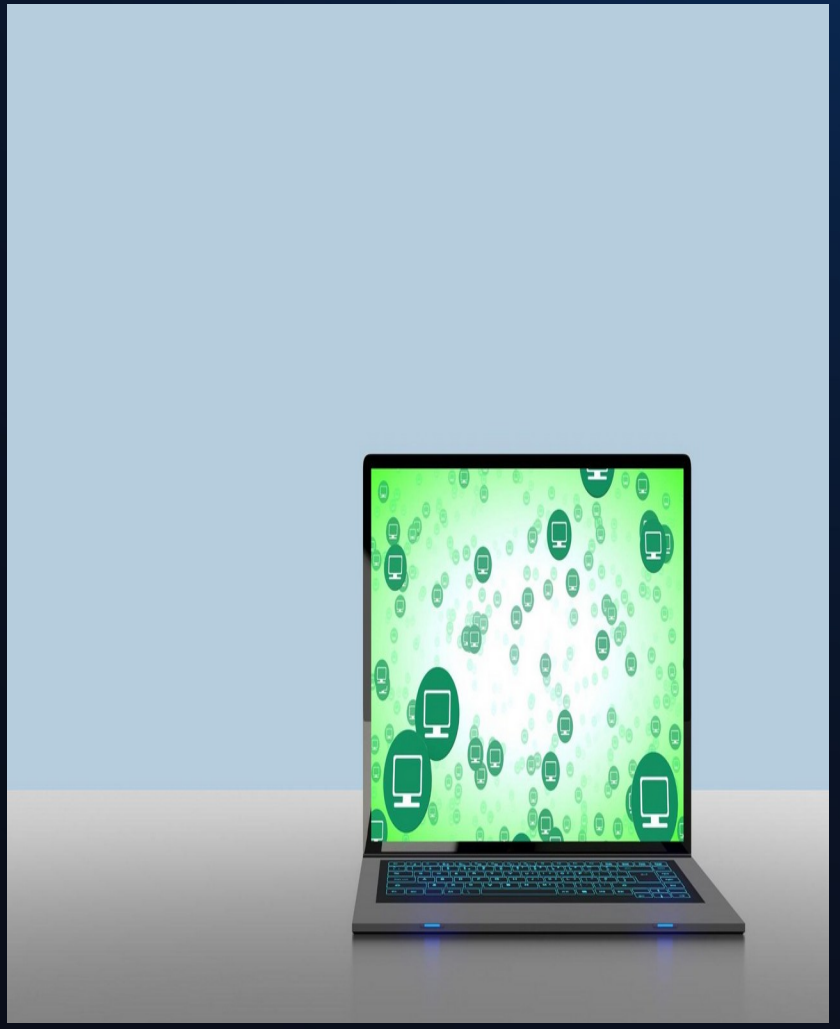
Use Microsoft's Media Creation Tool to make a bootable USB drive.

Out-of-box setup

Choose region and keyboard, connect to the internet, and create your account.

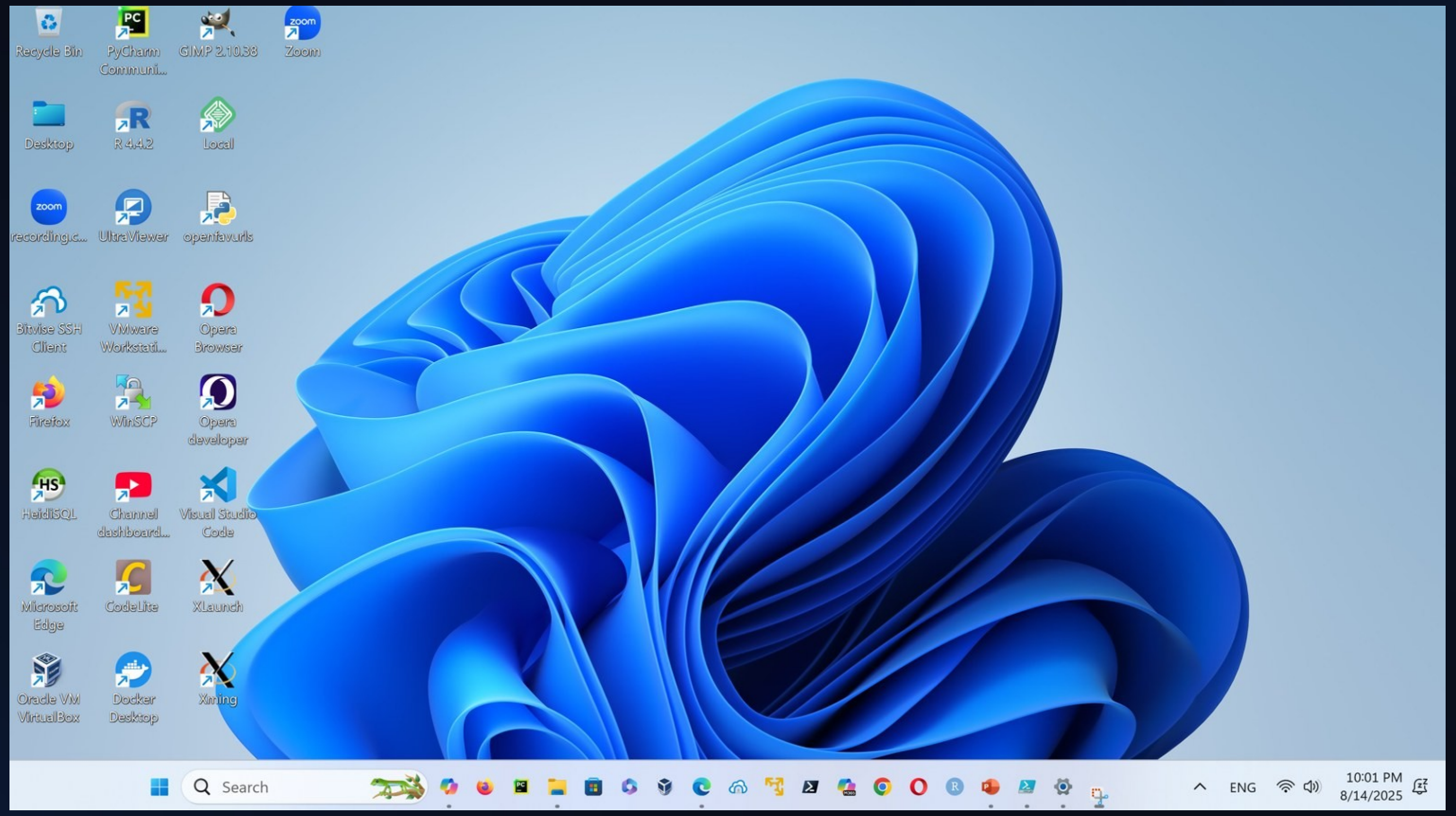
After setup

Run Windows Update, check drivers, and review privacy settings.



GETTING STARTED

The Windows 11 Desktop



Desktop and icons

Your home screen. Shortcuts to apps, files and folders.

Taskbar

Start, Search, Task View, pinned apps, and the system tray with clock and Wi-Fi.

GETTING STARTED

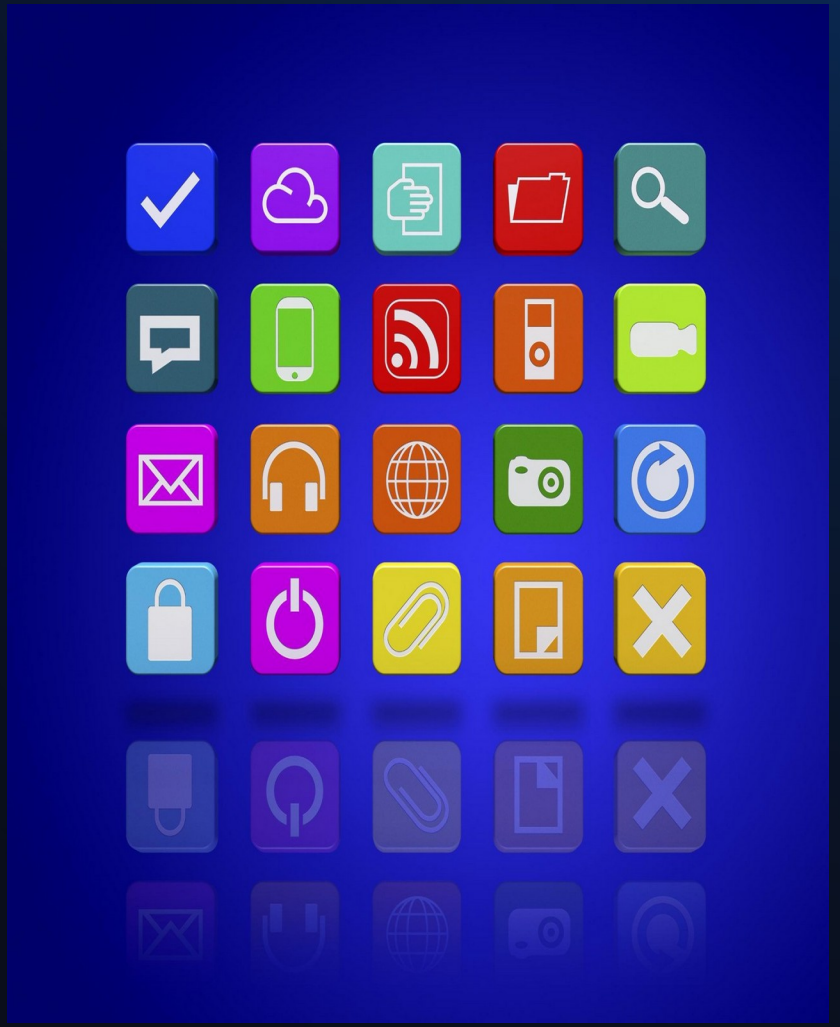
Start Menu, Search and Windows

Start menu
Pinned apps at the top, recommended files below, power options in the corner.

Search
Press the Windows key and just start typing: apps, files and settings.

Working with windows
Minimize, maximize, close, drag to move, and Alt+Tab to switch.

Sign in, lock and shut down
Windows+L locks; use Start > Power to sleep, restart or shut down.




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PART 3 · EVERYDAY SKILLS

EVERYDAY SKILLS

File Explorer



Find your files

Home, Gallery, This PC, OneDrive, and quick access to Documents, Downloads and Pictures.

Tabs and views

Open several folders in tabs, and switch between icons, list and details views.

EVERYDAY SKILLS

Files, Folders and Paths

Command Prompt

```
C:\Users\wahid> cd Documents
C:\Users\wahid> mkdir Projects
C:\Users\wahid> echo Hello > Projects\notes.txt

C:\Users\wahid> dir Projects
 10/16/2026  03:55 PM      8 notes.txt

# Full path of that file:
# C:\Users\wahid\Documents\Projects\notes.txt
```

Folders hold files

Organize by project or topic. Create: right-click > New > Folder, or Ctrl+Shift+N.

Rename, move, delete

F2 renames. Drag to move. Delete goes to the Recycle Bin; Shift+Delete skips it.

File extensions

.docx, .pdf, .jpg tell Windows which app opens a file. Turn on View > Show > File name extensions.

EVERYDAY SKILLS

Apps: Install, Open and Remove Safely

Microsoft Store
The safest place to get apps. They are checked and update automatically.

Trusted websites
Download only from the official site of the software maker.

winget
Windows Package Manager: install apps from the command line, e.g. winget install VideoLAN.VLC.

Uninstall
Settings > Apps > Installed apps > ... > Uninstall.



EVERYDAY SKILLS

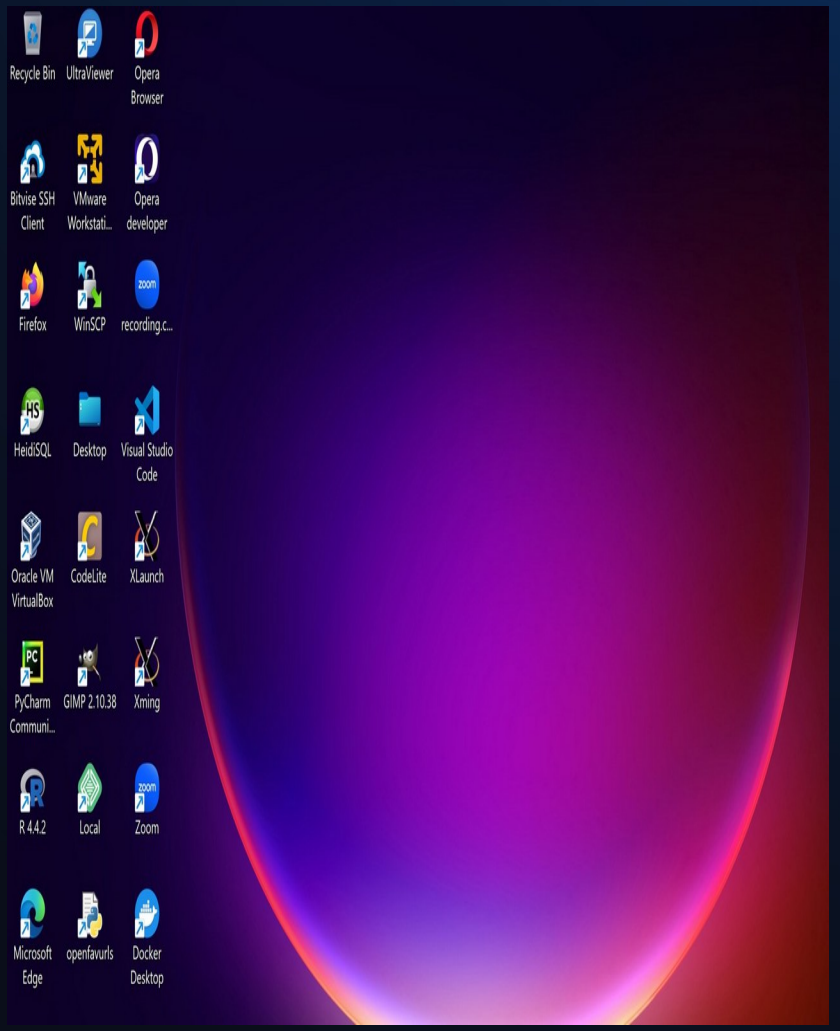
Settings, Personalization and Accessibility

Settings app
Windows+I. System, Bluetooth, Network, Personalization, Apps, Accounts, Privacy, Update.

Personalize
Background, light or dark mode, accent colors, themes, and lock screen.

Notifications and Focus
Choose which apps can notify you; use Focus sessions to concentrate.

Accessibility
Text size, Magnifier, Narrator, color filters, live captions and voice typing.



EVERYDAY SKILLS

Productivity: Snap, Desktops and Shortcuts

Win + Z
Snap layouts: arrange windows side by side.

Win + Tab
Task View and virtual desktops.

Win + Shift + S
Snipping Tool: capture part of the screen.

Win + V
Clipboard history: paste earlier copies.

Win + D
Show the desktop instantly.

Ctrl + Shift + Esc
Open Task Manager directly.


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PART 4 · SECURITY AND NETWORKING

SECURITY

User Accounts and Permissions

Microsoft account vs local

A Microsoft account syncs settings and OneDrive; a local account stays on this PC.

Administrator vs Standard

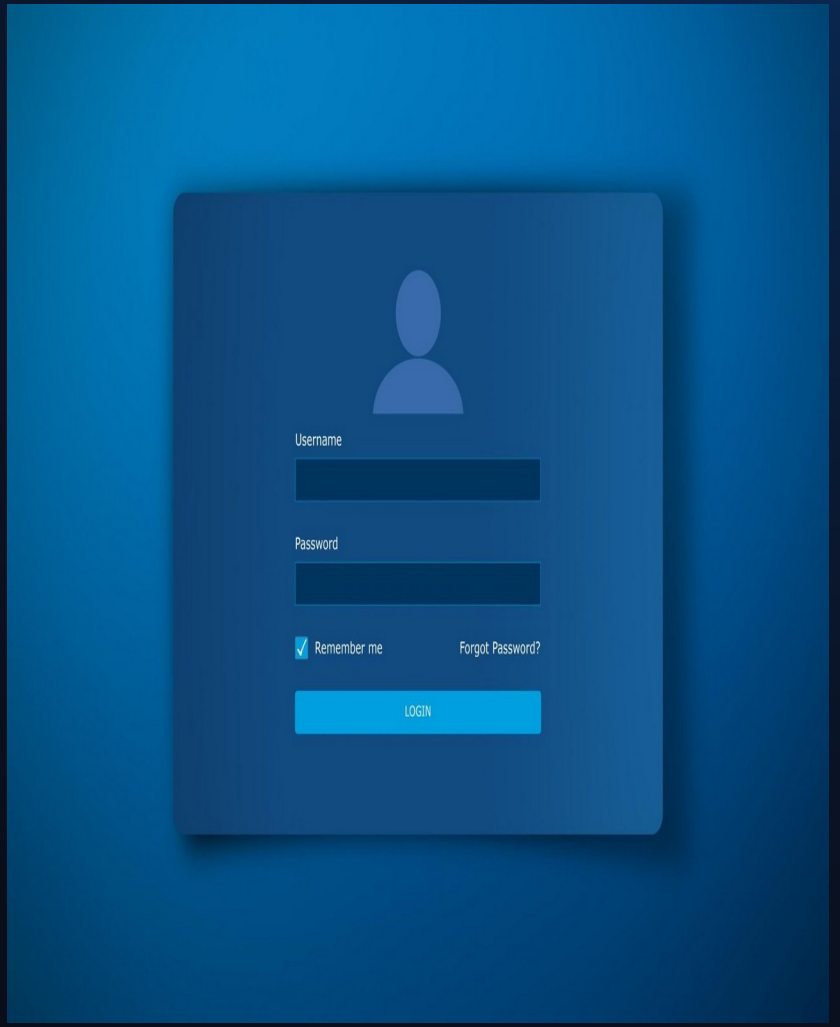
Admins can install software and change system settings; standard users cannot.

UAC prompts

User Account Control asks before changes. Read it before you click Yes.

Windows Hello

Sign in with a PIN, face or fingerprint, tied to this device.



SECURITY

Windows Security, Firewall and Updates

Microsoft Defender Antivirus
Built-in, free, real-time protection against viruses and malware.

Windows Defender Firewall
Controls which network traffic is allowed in and out.

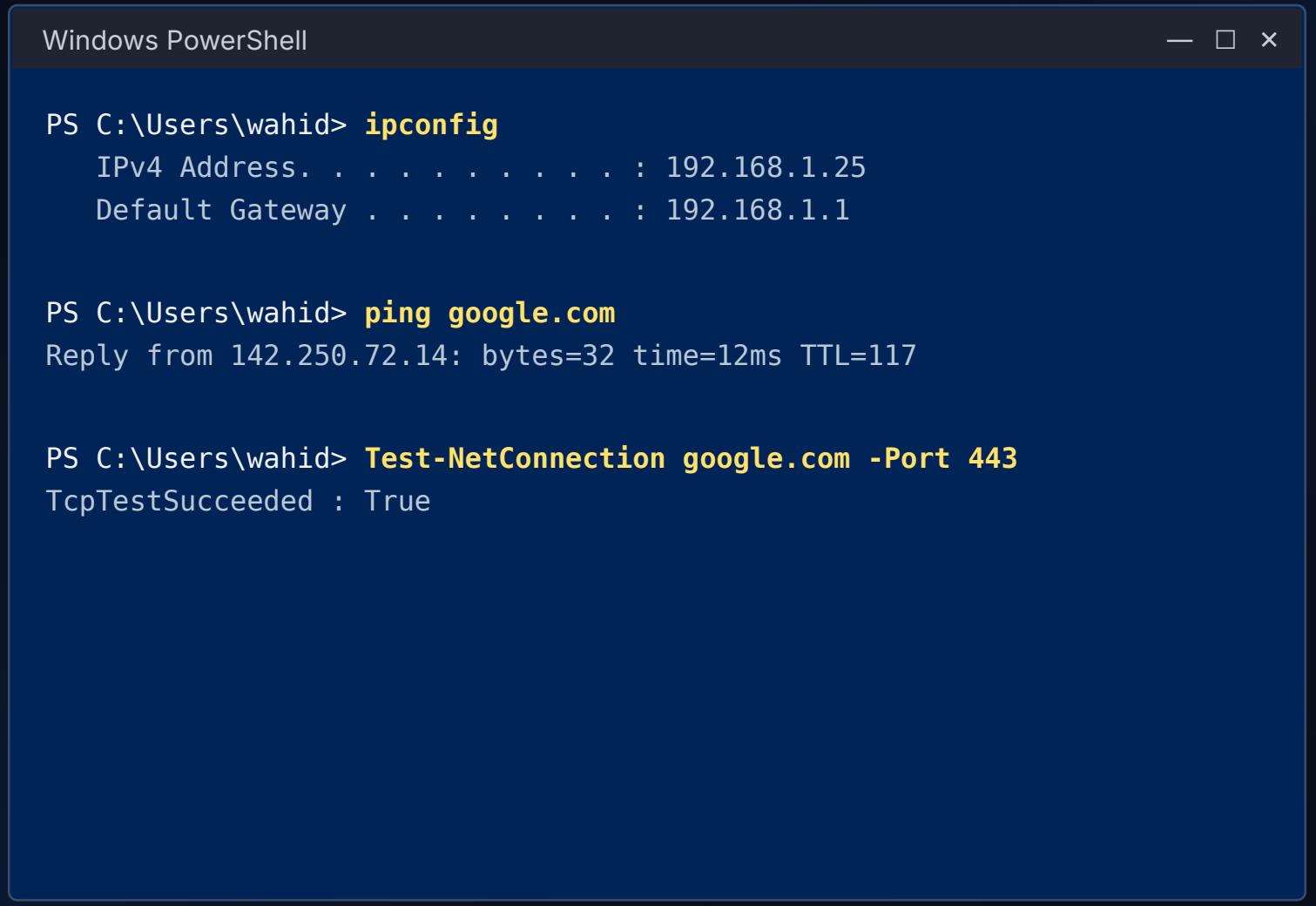
Windows Update
Security patches and fixes. Install them promptly and restart.

BitLocker / device encryption
Encrypts your drive, so a stolen laptop does not mean stolen data.



NETWORKING

Networking Basics



IP address

Your computer's address on the network. The gateway is your router.

ping

Is the other side reachable, and how fast does it answer?

Connect

Settings > Network & internet: Wi-Fi, Ethernet, VPN and data usage.

SECURITY

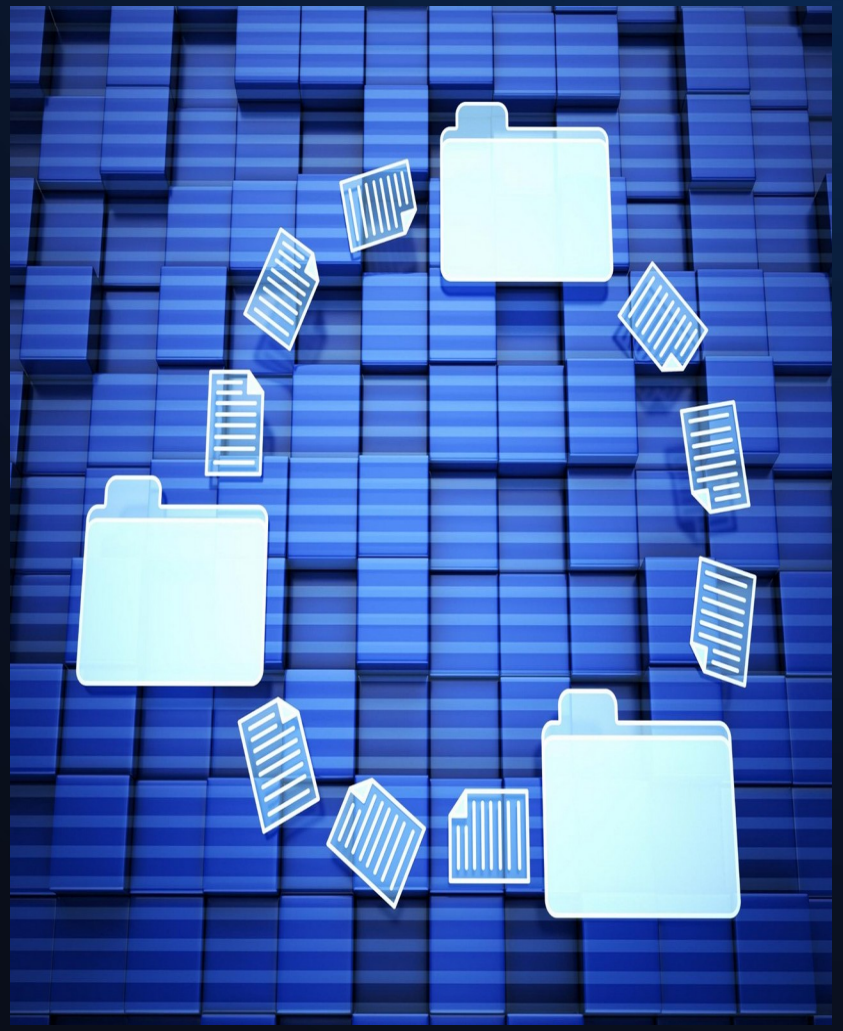
Backup and Recovery

OneDrive and Windows Backup
Back up Desktop, Documents and Pictures to the cloud automatically.

File History
Keeps earlier versions of your files on an external drive.

System Restore
Rolls system files and settings back to a restore point.

Reset this PC
Reinstalls Windows, with the option to keep your files.



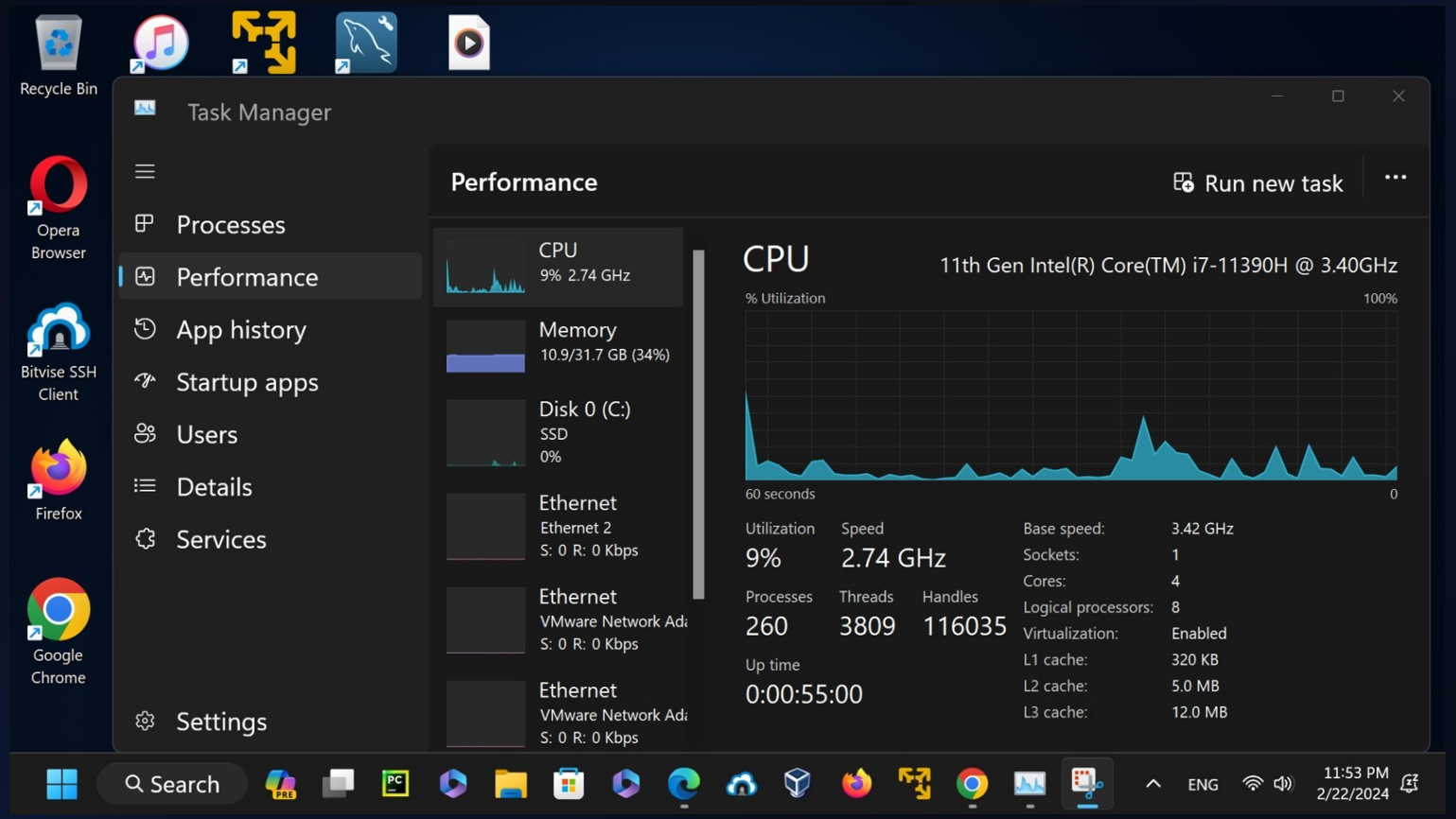
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PART 5 · ADVANCED

ADVANCED

Task Manager



Processes and Performance

See which apps use CPU, memory, disk and network, live.

Startup apps

Disable programs that slow down your boot.

Linux equivalent

On Linux, top and htop do the same job in the terminal.

ADVANCED

Professional System Tools

Computer Management
compmgmt.msc: one console for many admin tools.

Disk Management
diskmgmt.msc: partitions, volumes and drive letters.

Services
services.msc: background programs, start type and status.

Event Viewer
eventvwr.msc: system and application logs.

Device Manager
devmgmt.msc: hardware and drivers.

Group Policy
gpedit.msc (Pro): rules for how Windows behaves.

ADVANCED

The Command Line: Command Prompt & PowerShell

Windows Terminal

```
PS C:\Users\wahid> Get-ComputerInfo -Property OsName, OsVersion
OsName    : Microsoft Windows 11 Pro
OsVersion : 10.0.26100

PS C:\Users\wahid> Get-Process | Sort-Object CPU -Descending | Select-
Object -First 3

PS C:\Users\wahid> winget upgrade --all
PS C:\Users\wahid> Get-Service Spooler
```

Windows Terminal

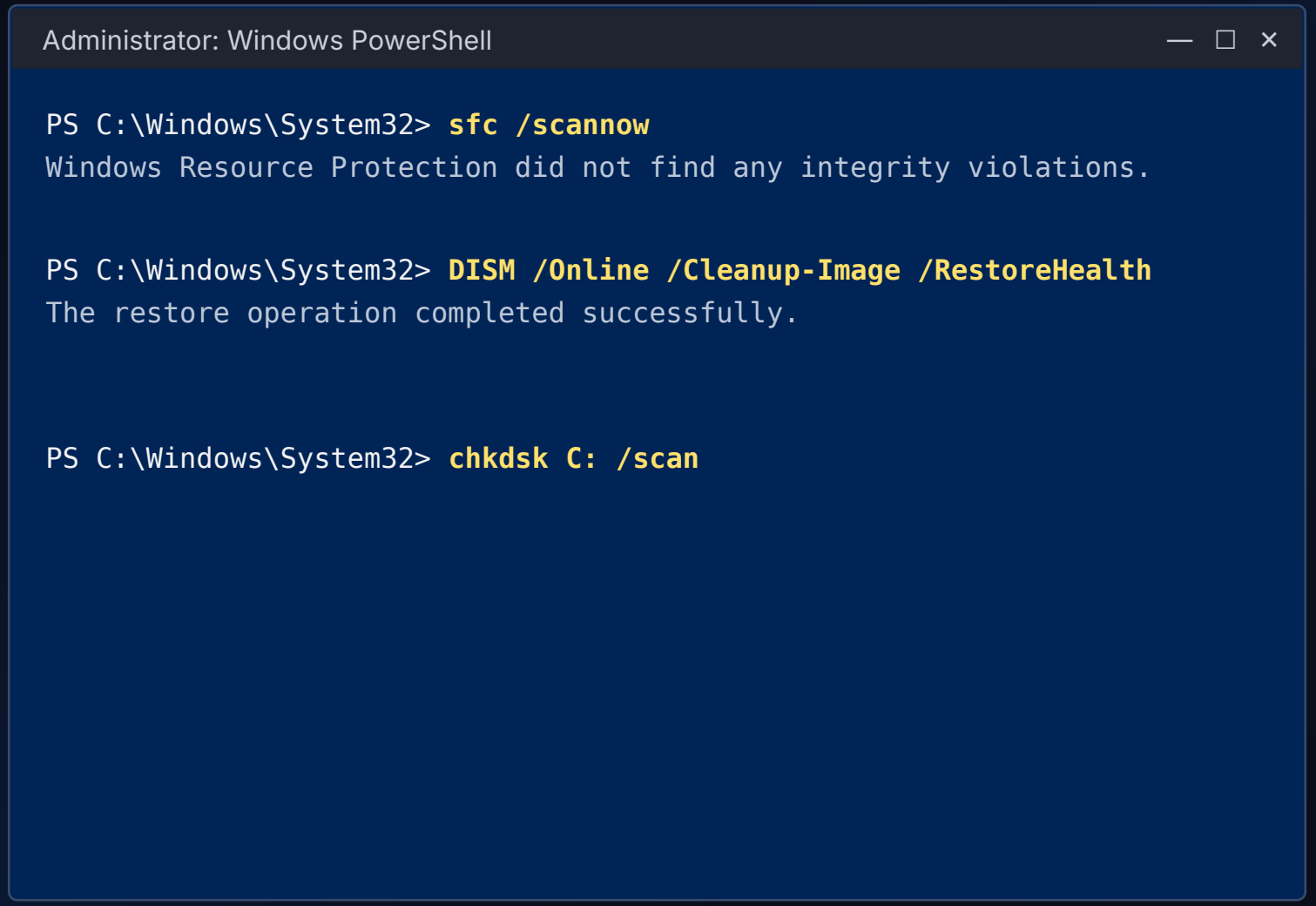
One app with tabs for PowerShell, Command Prompt and WSL Linux.

Why use the command line?

It is faster, repeatable, and can be automated with scripts.

ADVANCED

Troubleshooting Like a Pro



A method, not luck

What changed? Reproduce it, read the error, check Event Viewer, fix one thing at a time.

Repair tools

sfc repairs system files; DISM repairs the image sfc uses; chkdsk checks the disk.

Safe Mode and recovery

Hold Shift and click Restart for Startup Settings, System Restore and more.

ADVANCED

Optimize Performance and Go Further

Keep it lean
Remove unused apps, trim startup apps, and keep 15-20% of the drive free.

Storage Sense
Automatically cleans temporary files and old downloads.

Virtualization
Hyper-V and Windows Sandbox (Pro) run isolated systems safely.

WSL
Run real Linux inside Windows with one command: wsl --install.



WRAP-UP

Your Next Steps

Practice daily

Use one new shortcut or tool every day until it is automatic.

Stay safe

Updates on, backups running, standard account for daily use.

Keep learning

Next: our Windows PowerShell Scripting course, Linux courses and more, free.

