

Post-Installation Configuration of Windows OS

Course: Computer Systems Servicing (CSS NC II)

Duration: 3–4 Hours (Laboratory Activity)



Intended Learning Outcomes

At the end of this lesson, students should be able to:

01

Configure basic Windows settings

02

Install device drivers correctly

03

Verify hardware functionality via Device Manager

04

Install essential software applications

05

Configure user accounts and security settings

06

Perform Windows Update and activate the OS

07

Demonstrate proper documentation of post-installation procedures

Learning Competencies



Students are expected to:

- **Configure Windows OS settings**
- **Install and update device drivers**
- **Install application software**
- **Configure network connectivity**
- **Perform system maintenance and updates**
- **Verify full computer operation**

Materials Needed

Hardware

- Desktop or Laptop Computer
- Flash Drive

Software & Media

- Installed Windows OS
- Driver Installer (USB/DVD)
- Microsoft Office Installer
- Web Browser Installer
- PDF Reader
- Antivirus Installer

Connectivity

- Internet Connection (optional)



PART I

Verify Windows Installation

Students should check that the system is functioning correctly after installation:



**Windows boots
successfully**



**Desktop appears
correctly**



**Mouse & keyboard
working**



**Display resolution
correct**



Audio functioning



USB ports working



Internet connection available

Install Device Drivers

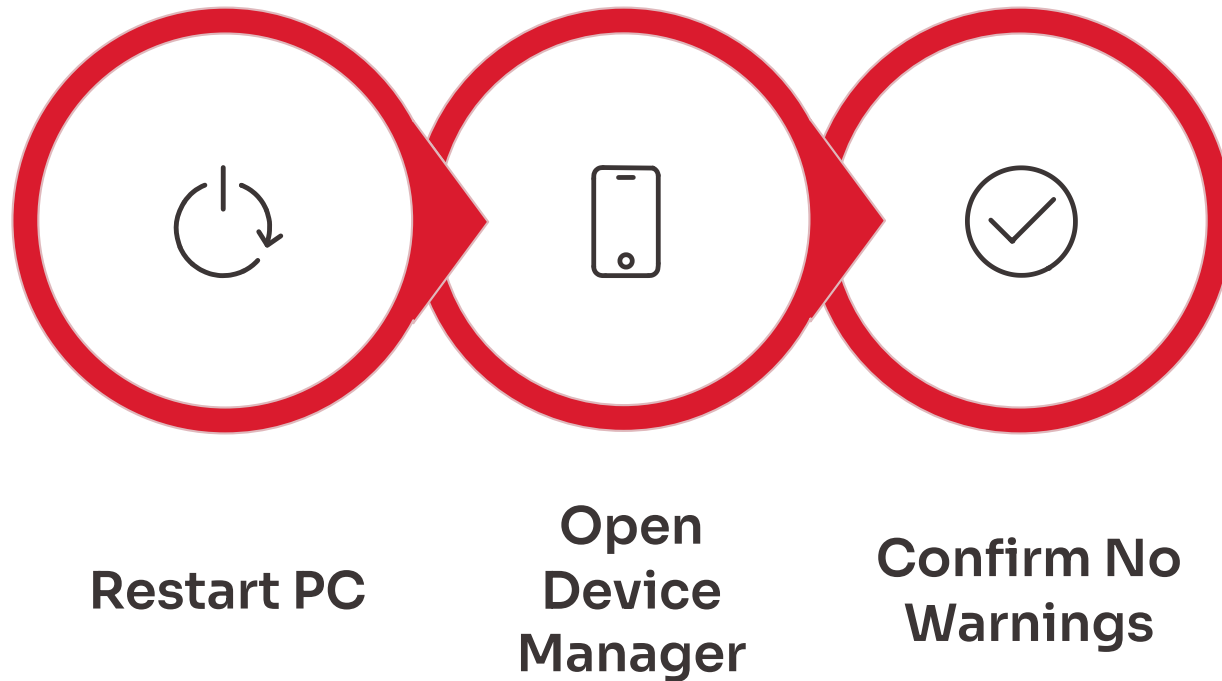
Step 1 — Identify Missing Drivers

Open **Start** → **Control Panel** → **Device Manager** and look for devices with a  **Yellow Exclamation Mark** — these indicate missing drivers.

Step 2 — Install in Order

1. Chipset Driver
2. Graphics Driver
3. Audio Driver
4. LAN Driver
5. Wi-Fi Driver
6. Bluetooth Driver
7. Printer Driver (if applicable)

Restart & Verify Drivers



After restarting, open Device Manager again. There should be **no Unknown Devices** and **no Yellow Warning Icons**, confirming all drivers are correctly installed.

Configure Windows Settings



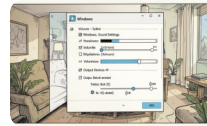
Personalization

- Desktop Background
- Screen Saver
- Theme



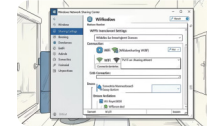
Display Settings

- Resolution
- Brightness
- Sleep Timer



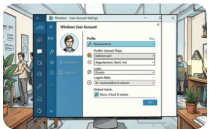
Sound Settings

- Output Device
- Volume Level
- System Sounds



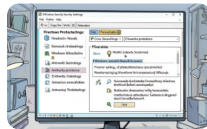
Network Settings

- Connect to Wi-Fi/LAN
- Set IP Address (if needed)
- Test Internet



User Accounts

- Create User Account
- Set Password
- Set Account Type



Security Settings

- Enable Firewall
- Enable Windows Defender
- Set Update Preferences

Install Essential Software

Install the following in order:

1

Antivirus

Install and update definitions

2

Web Browser

Chrome, Firefox, or Edge

3

Office Productivity

Microsoft Office or LibreOffice

4

PDF Reader

Adobe Reader or alternative

5

Additional Software

As needed



Important: Install one at a time and restart if required.

Windows Update, Activation & Documentation

Windows Update & Activation

Go to **Settings** → **Update & Security**, check for updates, install all, and restart. Then go to **Settings** → **Activation** and activate using a valid product key.

Final Verification

- ✓ All drivers installed
- ✓ Internet working
- ✓ Software installed
- ✓ User account created
- ✓ Security enabled
- ✓ System updated
- ✓ Windows activated

 **Documentation:** Record all steps — drivers installed, software installed, user account details, and issues encountered.