

Task 2: Operating System Security Fundamentals

1. OS Setup

- 1 Install OS from official sources
- 2 Keep system updated with security patches
- 3 Remove unused software

2. User Accounts & Access Control

- 1 Use standard user for daily activities
- 2 Use administrator/root only when required
- 3 Disable unused user accounts

3. File Permissions (Linux)

- 1 Check permissions using `ls -l`
- 2 Modify permissions using `chmod`
- 3 Change ownership using `chown`

4. Firewall Configuration

- 1 Enable UFW on Linux
- 2 Enable Windows Defender Firewall
- 3 Allow only required ports

5. Processes & Services

- 1 Monitor running processes
- 2 Disable unnecessary services

6. OS Hardening Best Practices

- 1 Enable automatic updates
- 2 Use strong passwords
- 3 Enable screen lock
- 4 Use antivirus software

Summary

Operating system security reduces attack surface and protects systems. These checklist items help build a secure Linux and Windows environment.