

Operating Systems and You – Becoming a Power User

1. Introduction

This practical assignment focused on user and group management, file system access control, and package management using the Windows Command Line Interface. The objective was to demonstrate administrative privileges, user creation, group assignment, and software installation using command-line tools.

2. Visual Process Overview

Admin Access

User Creation

Package Install

3. User & Group Management Steps

- Opened Command Prompt with Administrative privileges.
- Created a new user using: `net user PowerUser1 P@ssw0rd123 /add`.
- Added user to Administrators group.
- Verified user creation using `net user`.

4. Package Management with Chocolatey

- Installed Chocolatey via PowerShell.
- Verified installation with `choco -v`.
- Installed VLC using `choco install vlc -y`.
- Confirmed successful installation.

5. Findings & Observations

Category	Key Insight
User Management	Admin rights required for system-level changes.
Group Permissions	Group membership controls privilege levels.
Package Management	CLI tools automate software deployment.
Security	UAC prevents unauthorized modifications.

6. Conclusion

The practical exercise strengthened understanding of operating system internals, user and group administration, and command-line package management. It demonstrated the importance of administrative privileges, structured permissions, and secure system configuration.