



CE1.5 Assignment

Operating systems windows



LIM WEI YANG

MINGZI YANG

LIM WEI JIE

What is the difference between CMD and Powershell?

CMD	Powershell
<ul style="list-style-type: none">• Simple and basic user interface with limited features and command• Uses Plain text out-put• Windows Specific	<ul style="list-style-type: none">• Advanced and feature-rich command-line interface with commands and scripting capabilities• Uses object in the pipeline, allowing easy manipulation of structured data• Powershell core is cross-platform and available on Windows, macOS and Linux

CMD is a basic command-line interface whereas PowerShell is more versatile and designed for advance scripting and automation. PowerShell is also available on various platforms through Powershell Core.

What are the other features in Windows that are available to administrators?

Administrators for windows mainly plays the role of managing and maintaining the infrastructure, ensuring its functionality, security, and efficiency.

Managing

- User Account Control (UAC) - UAC helps administrators run with standard user rights but allows them to perform administrative tasks by prompting for consent or administrator credentials when necessary.
- Group Policy - allows administrators to define and enforce policies for users and computers in an Active Directory environment. It can control settings related to security, user privileges, and more.

Security

- Windows Firewall - Configure Firewall to control inbound and outbound network traffic and enhance security.
- Windows Update - Manage and configure Windows updates
- Local Security Policy - Configure security policies on individual computers (ie. Account Policy, password policy)

What is the system registry and how can it be accessed in Windows?

- is a hierarchical database used by the Microsoft Windows operating system to store configuration settings and options. It contains information and settings for both the operating system and installed applications

To access on Windows:

- Run, regedit
- Windows, registry editor

What is the difference between Windows 10 and 11?

User Interface	Fluent design with new start menu and taskbar	Classic start menu and taskbar
System Requirement	64-bit Processor with 2 cores, 4GB RAM, and 64GB Storage	64-bit Processor with 1 GHz clock speed, 2GB RAM, and 20GB HDD
Virtual Desktop	Improved virtual desktops with snap layouts and new animations	Virtual desktops with limited functionality
Security	Enhanced security features with Windows Hello and TPM 2.0 (need a recent processor to support for TPM 2.0)	Similar security features to Window 11
Microsoft Store	Redesigned Microsoft Store with support for Android apps	Traditional Microsoft Store