

### **Rapid Ascent Assignments**

#### **Rubric**

	100	80	60	40
Meets Task Requirements	All	Most	Some	Very Few or None
Frequency	Always	Usually	Some of the Time	Rarely or None
Accuracy	No Errors	Few Errors	Some Errors	Frequent Errors
Comprehensibility	Always Comprehensible	Almost Always Comprehensible	Gist and Main Ideas Comprehensible	Isolated Bits are Comprehensible
Content Coverage	Fully Developed	Adequately Developed	Partially Developed	Minimally Developed
Cybersecurity Vocabulary	Broad and Varied	Adequate and Varied	Limited / Lacks Variety	Basic / Highly Repetitive

## **ASSIGNMENTS – Windows Server**

### **Assignment #1 – Windows Concepts**

#### **Assignment**

- **Via Text**
  - Explain in your own words the different types of Windows logins, their purposes, and when each might be used.

### **Assignment #2 – Windows Concepts**

#### **Tasks**

- Explain the 2 types of native shells in Windows Server.

#### **Assignment**

- **Via Text**
  - Describe in your own words the different types of native shells in Windows Server, detailing their purposes and functionalities.
- **Screenshots**
  - Provide screenshots or diagrams illustrating the interface and possible configurations or commands typical for each shell.

### **Assignment #3 – Windows Concepts**

#### **Tasks**

- Explain all the options within Windows File Explorer.

#### **Assignment**

- **Via Text**
  - Provide a detailed explanation of each option found in Windows File Explorer. Include information on the Ribbon interface, the Quick Access Toolbar, the Navigation Pane, the File Menu, and the Search Box. Discuss the use and benefits of

features like file preview, sorting options, view changes (e.g., list, tiles, details), and the context menu that appears when you right-click on files or folders.

- **Screenshots**
  - Include screenshots showing each part of the File Explorer interface mentioned above, highlighting how to access and use these features in practical scenarios.

## **Assignment #4 – Windows Concepts**

### **Tasks**

- Explain file associations in Windows.

### **Assignment**

- **Via Text**
  - Describe in your own words what file associations mean in Windows. Explain how Windows determines which applications to use for opening different file types based on their extensions. Discuss the importance of file associations in ensuring that files open with the appropriate software automatically.
- **Screenshots**
  - Provide screenshots showing how to view and modify file associations in Windows Settings. Include examples of changing the default program for opening media files and documents.

- **Assignment #5 – Windows Concepts**
  - **Tasks**
    - Create a backup of a file
  - **Assignment**
    - **Via Text**
      - Explain in your own words how someone would back up a file before editing the main file, the purpose of that, and what file extension one would use
    - **Screenshots**
      - Show yourself backing up a file

## **Assignment #5 – Windows Concepts**

### **Tasks**

- Explain the Windows Registry.

### **Assignment**

- **Via Text**
  - Describe in your own words what the Windows Registry is, detailing its purpose and structure. Explain how it serves as a centralized database for storing configuration settings and options on Microsoft Windows operating systems. Discuss the main components of the Registry, such as hives, keys, subkeys, and value entries, and their roles in configuring both system settings and application behaviors.
- **Screenshots**
  - Include screenshots showing how to access the Windows Registry Editor (regedit) and examples of navigating through Registry keys to illustrate how changes can affect the system or specific applications.
  - Show the registry key for changing the desktop image

## **Assignment #6 – Windows Concepts**

### **Tasks**

- Explain the Server Manager tool in Windows Server.

### **Assignment**

- **In a text box**
  - Describe in your own words what the Server Manager is, detailing its purpose and core functionalities. Explain how it provides a centralized console for managing local and remote Windows-based servers without the need for physical access. Discuss the main features such as adding roles and features, managing existing server roles, viewing performance data, and configuring security settings.
- **Screenshots**
  - Include screenshots showing the main interface of the Server Manager, the process of adding a role or feature, and examples of monitoring servers and applications using the tool.

## **Assignment #7 – Windows Concepts**

### **Tasks**

- Explain how to use Event Viewer in Windows Server.

### **Assignment**

- **Via text**
  - Describe what Event Viewer is, its purpose, and how it helps administrators manage and troubleshoot systems. Discuss the types of logs available, such as Application, Security, Setup, System, and Forwarded Events, and what information can be gleaned from them.
- **Screenshots**
  - Include screenshots illustrating how to access Event Viewer, view different types of event logs, and filter or find specific events.

## **Assignment #8 – Windows Concepts 201**

### **Tasks**

- Explain the role and configuration of Windows Services.

## **Purpose**

- **Clarify** – Understand what Windows Services are and their impact on the operations of Windows Server.
- **Summarize** – Be able to manage and configure services to optimize server performance and reliability.

## **Assignment**

- **In a text box**
  - Explain what Windows Services are, including how they run in the background and support server and application functionality. Describe how to start, stop, and configure service settings, and the importance of managing service dependencies.
- **Screenshots**
  - Provide screenshots showing the Services management console, examples of starting/stopping services, and adjusting properties such as the startup type.

## **Assignment #9 – Windows Concepts 201**

### **Tasks**

- Explain the functionality and management of IIS (Internet Information Services) on Windows Server.

### **Assignment**

- **Via Text**
  - Describe what IIS is, its primary functions, and its role in the Windows Server ecosystem. Explain how to set up websites, secure them, manage bindings, and handle application pools to ensure optimal performance and security.
- **Screenshots**
  - Include screenshots illustrating the IIS Manager interface, the process of setting up a new website.

