

### Rapid Ascent Assignments

#### Rubric

Passing <80>	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

Above in % points

## ASSIGNMENT – Linux 1

- Assignment #1 – Linux Concepts
  - Tasks
    - Explain the creation of Linux
  - Purpose
    - Clarify – Distinguish between Ubuntu, Debian, Mint, Red Hat, Unix
    - Summarize – Be able to explain each type of Linux
  - Assignment
    - In a text box
      - Explain virtualization in your own words, the different types, its purpose.
  
- Assignment #2 – Linux Concepts
  - Tasks
    - Explain the different types of virtualization features
  - Purpose
    - Explain the following commands
      - ls
      - cd
      - pwd
      - mkdir
      - rmdir
      - rm
      - cp
      - mv
    - Summarize – Be able to explain each type of virtualization feature
  - Assignment
    - In a text box
      - Explain the list of Linux Commands provided above in your own words and its purpose.
    - Screenshots
      - Show the use of the commands in the Linux CLI

- Assignment #3 – Linux Concepts
  - Tasks
    - Explain the Linux File System
  - Purpose
    - Summarize – Be able to explain the concept of the Linux File System
  - Assignment
    - In a text box
      - Explain the Linux File System, and how its used in your own words.
      - Explain the Linux Prompt, in your own words
      - Explain the Root Directory
      - Explain the Root Home Directory
      - Explain your Home Directory
      - Explain the etc directory
      - Explain the var directory
      - Explain the bin directory
    - Screenshots
      - Show the Root Directory
      - Show the Root Home Directory
      - Show your users Home Directory
      - Show the contents of the etc directory
      - Show the contents of the var directory
      - Show the contents of the bin directory
  
- Assignment #4 – Linux Concepts
  - Tasks
    - Explain . and .. in Linux
  - Purpose
    - Summarize – Be able to explain the concept of . and .. in the Linux CLI
  - Assignment
    - In a text box
      - Explain . and .. in Linux, and how it's used in your own words.
    - Screenshots
      - Show how you can use . with the ls command in Linux
      - Show how you can use .. with the cd command in Linux

- Assignment #5 – Linux Concepts
  - Tasks
    - Explain Relative vs. Absolute Paths in Linux
  - Purpose
    - Summarize – Be able to explain Relative vs. Absolute Paths in Linux
  - Assignment
    - In a text box
      - Explain Relative vs. Absolute Paths in Linux, and how it's used in your own words.
    - Screenshots
      - Show how you can use the Relative Path with the cp command in Linux
      - Show how you can use Absolute Path with the cd command in Linux