IT 4100: File Systems

System Install 01

Due according to date on Canvas

Assignment

You need to create 2 new linux systems. For the purposes of this assignment I don't care what you name them, but I will refer to them as fs10 and fs12. (YOU MUST USE THE `bionic_net` INSTALLATION MEDIA FOR THIS ASSIGNMENT. BIONIC WILL NOT WORK CORRECTLY)

Before you get too far in the assignment, make sure that when you get to the partitioning screen that it presents the option for you to choose `primary` or `extended`. If not, the installer has not booted in DOS mode (MBR), and you should seek help from the instructor.

System 1 (fs10)(10 GB disk)should be partitioned and installed as follows:

- the root partition ('/'), should be 3 GB in size (first primary, ext4)
- swap partition should be 512 MB in size(second primary, ext4)
- /usr should be on a separate partition (2GB)(third primary, ext4)
- Remaining space should be made into an extended partition.
- /home should be on a separate partition (2GB)(first logical, ext4)

System 2 (fs12)(12 GB disk)should be partitioned and installed as follows:

- the root partition ('/'), should be 4 GB in size (first primary, ext4)
- swap partition should be 512 MB in size(second primary, ext4)
- Remaining space should be made into an extended partition.
- /usr should be on a separate partition (1GB, first logical, ext4)
- /home should be on a separate partition (1GB, second logical, ext4)

Requirements

- Pay careful attention to network settings. Check your notes from class. Some network settings errors will appear to work now, but will cause errors later in the semester.

Submission and Passoff

- Upload a screenshot of the `df` command to canvas for each machine.