

CS312 :: Homework 9

Answer the following questions; you'll need to research the information online, if you don't know it.

This assignment asks you about several server and related monitoring and management technologies. It isn't particularly challenging, since Homework 7 is also still in play.

Questions

1. What did RAID originally stand for, before it became "Redundant Array of Independent Disks?" *(2 points)*
2. How many drives are required, at a minimum, for each of these RAID levels *(1 point for each correct answer)*:
 - a. RAID Level 0
 - b. RAID Level 1
 - c. RAID Level 4
 - d. RAID Level 5
 - e. RAID Level 6
 - f. RAID LEVEL 1+0 (aka 10)
3. What types of information are stored in these log files on a typical Linux system *(3 points each)*:
 - a. /var/log/secure
 - b. /var/log/yum.log
 - c. /var/log/messages
4. What backup plan do you have for your files? Describe your file restoration plan in the event that your laptop goes missing. *(10 points, full credit given for a few thoughtful and/or guilt-ridden on-topic paragraphs)*
5. Here's a few questions about Self-Monitoring, Analysis, and Reporting Technology (S.M.A.R.T. or SMART).
 - a. Describe some of the limitations of SMART. *(5 points)*
 - b. Answer True or False for each of these sentences about SMART, generally speaking: *(2 points for each statement correctly indicated as true or false)*:
 - i. If SMART says a drive is going bad, then it's going bad.
 - ii. If SMART says a drive is going bad, that it could still be OK.
 - iii. If SMART says a drive is OK, then it must be OK.
 - iv. If SMART says a drive is OK, then it could still be going bad.