

CYBR 4423 UNIX/LINUX ADMIN STUDY GUIDE

MODULE 7: SOFTWARE MANAGEMENT

Module LEARNING OUTCOMES

Upon Completion of this module, students should be able to

1. Describe ways to install/uninstall software in Linux.
2. Use dpkg and APT commands to search, list, install, update, and remove software packages.
3. Use tar command

INSTRUCTION

1. Round 1 Study (4 to 6 hours)
 - a. Read (reading list) and follow the examples in it.
 - b. Watch videos included in the module.
 - c. Quickly go through the lecture notes and the examples to preview the module content. Make sure you can understand these examples.
 - d. Complete the quiz for the first attempt.
2. Round 2 Study (4 to 6 hours after class)
 - a. Complete lab 7. Refer to the lecture notes and answers whenever needed. Compile all required screenshots in the labs in **one WORD or PDF file** and submit it in D2L. **All screenshots must be original and show the complete computer screen - no graphic editing or cropping is allowed.** Clearly name and label all screenshots.
 - b. Please discuss in the D2L forum if you have questions for the lab and quiz.
 - c. Complete the quiz for the second attempt if necessary.
 - d. Review the lecture notes to see if you have anything missed.

READING LIST

1. Required readings
 - a. [APT \(software\)](#)
 - b. [InstallingSoftware](#)
 - c. [Package Management - Ubuntu](#)
2. Lecture notes "software.pptx"
3. Additional readings and resources
 - a. [Package Management Basics: apt, yum, dnf, pkg](#)
 - b. Debian package management:
 - [Learn Linux, 101: Debian package management](#)
 - c. RPM and YUM package management:
 - [Learn Linux, 101: RPM and YUM package management](#)
 - d. [Ubuntu Software Management](#)

TASK LIST

1. Lab: "lab-7.pdf"
2. Assessment: complete the online quiz #7. Please discuss it in the discussion board if you have questions.