System and Network Administration

“Introduction to SNA”

Agenda

- Course overview
- Materials
- Expectations
- Gradings

Course overview - Instructor and TA

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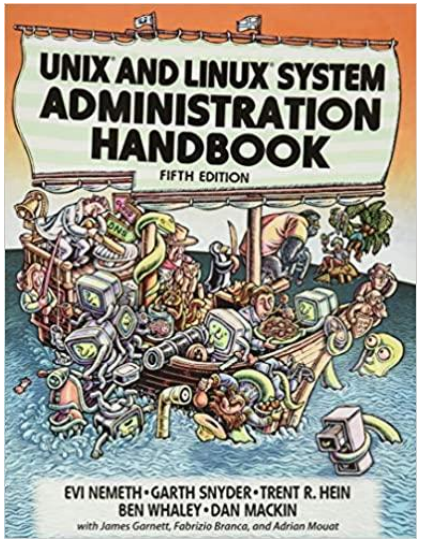
Course structure

1. **Lectures**
2. **Labs**
3. **Project (in groups)**
    3.1. Proposed list of ideas
    3.2. Your own idea

Literature

Books not mandatory but recommended:



UNIX and Linux System Administration Handbook, 5th Edition

GNU Manuals Online

Expectations

- Get overview of **system and network administration** field
- Learn about existed **principles and techniques**
- Develop critical mindset towards **different tools and methods**
- Be ready to audit, design, configure and troubleshoot **modern systems**

Gradings

1. Lab assignments - 60%
2. Course Project - 40%
    a. Demo - 15%
    b. Project Report - 25%

Course Project (40%)

1. Group Size of 3 - 4
2. Scenarios by your own ideas which reinforce course topics
3. Deliverables: (Technical Report) 25% + (Demo) 15%

Project Report (25%)

- Deadline will be announced later
- Problem description + developed scenario + environment installation/configuration guide + solution
- Indicate who worked on which part
- Upload reports in Moodle
- PoC submissions: VMs / Docker containers
- Long appendixes is ok

Demo (15%)

- Demo :
  - Solution shown and well explained
  - Including scenario and testings
  - Can include conclusion for the whole project, your contemplations and judgement
- Time for demo is not limited but make it precise and concrete.

Lab Assignments (60%)

- Lab assignments will reinforce lecture concepts and demonstrate application of critical thinking skills
- Lab assignments are to be completed in groups of 2 - 3 students or individual (depending on the topics)