Virtualization

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Course's resources

Course's portal on Cyberlearn

- https://cyberlearn.hes-so.ch/user/index.php?id=6961
- enrollment key: "CP-40"

Course's content on git

- day students: https://gitedu.hesge.ch/flg_courses/virtualization/virtualization_pub_jour
- evening students: https://gitedu.hesge.ch/flg_courses/virtualization/virtualization_pub_soir

Course's chat on Mattermost

- day students:

  https://mattermost.hepiapp.ch/signup_user_complete/?id=gga89dgb5ffbp8xk859knqdjeh
- evening students:
  https://mattermost.hepiapp.ch/signup_user_complete/?id=xxn7d5yj9pysdfw5fnmskkj5io

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- Understand how hypervisors work and the concepts behind their implementation
- Understand key aspects of how containers work
- Be able to configure and deploy virtual machines and containers

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- Introduction to virtualization

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  - Docker

Course organization

- 5/6 periods/week over 8 weeks[1]

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- Sessions of theory followed by practical labs

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  - the goal is that **you understand** what you're doing!

Labs

- Labs are not graded
- Labs are exercises to practice and get ready for the live exams
- **Very important** to work and complete the labs, otherwise failing the class is almost guaranteed ☹

Grading

- Evaluation:
  - 1 exam on hypervisors (live exam + theory)
  - 1 exam on containers (live exam + theory)
- Final grade: 60% hypervisor, 40% containers

Questions