ELEC-E7330 Breaking Isolation lab

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Instructions – Year 2020

- Download instructions at the MyCourses portal

- In the middle it is said that meet an assistant etc.

- This year send a couple of screen captures of your lxc system to **Juha.Tapio.Jarvinen@aalto.fi**

Then…

- **Make a literature review of attacks to lxc system**
  - Literature: Peer-reviewed conference papers, magazines, whitepapers, blogs, sites etc.

- **Choose 6-7**

- **Explain shortly what happens in a attack, what is environment, result, etc. How to prevent the attack?**
  - Mark a source
  - Categorize the attack
    - Internet-to-host, Internet-to-guest, guest-to-guest-via-wall, guest-to-guest-via-ip host-to-guest, etc.

…Then

- **Choose 1-2 and try them on your platform**

- **Explain what you have done**

- **What is the result and why?**

OR

- **If can do your very own attack**

- **Explain what you have done and why?**
  - Pinging is not an attack in this lab! ☺

Last slide, almost

- **Report format is unformal: mark down "everything" what you have done**

- **Return your report by 31st January 2021**

- **As a group you have altogether 36 hours time to consume**
  - This is to protect your back, since we could build&test attacks 'next 10 years'…

The last slide

- **The idea of this lab work is to get familiar with the lxc container structure, its positive sides and limitations**
    - Attacks (to lxc)
    - Replay literature sources