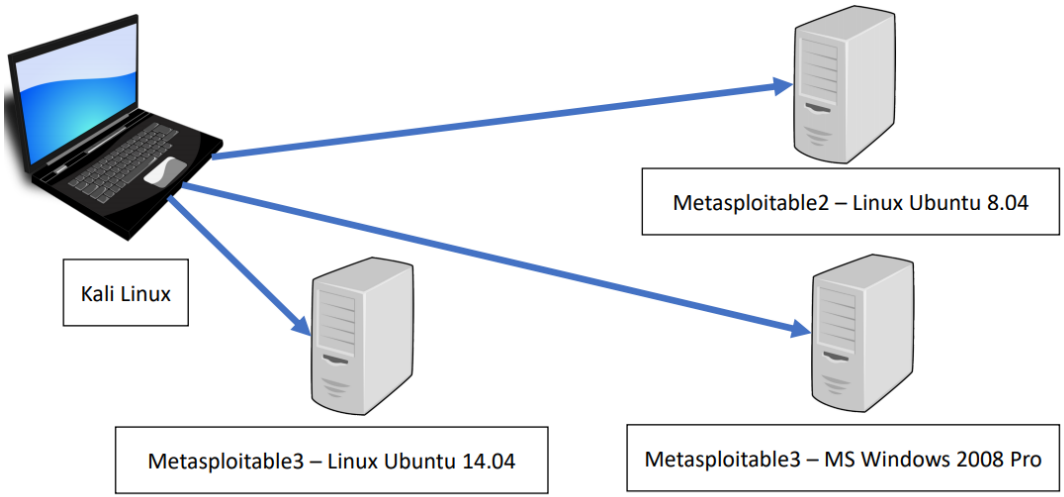
Why Virtual Machine?

- Run Multiple OS
- Snapshots (easy to revert when something isn't working correctly)
- Flexible in regard to resource management and system specification
- Isolated environment
- You can test without any fear as your base operating system will not be affected
- You can test different servers and applications easily without affecting your base operating system
- In case the Virtual machine gets corrupt then you can re-install it

Some material is derived from Boris Loza, Phd course presentation

Lab Architecture

Some material is derived from Boris Loza, Phd course presentation



Building Our Lab

- Install Virtual Box or VMware (may have to pay for VMware)
  - Virtualbox download – virtualbox.org/wiki/Downloads
- Install Kali Linux
  - Download from https://www.kali.org/downloads/
- Install Metasploitable 2 - https://sourceforge.net/projects/metasploitable/
- Install Metasploitable 3 (Optional)

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To Read further

- Book “Kali Linux Revealed” - http://amamir.com/EHBooks/Kali-Linux-Revealed-1st-edition.pdf
- Kali Linux Commands - http://amamir.com/EHBooks/Kali_Linux_Commands.pdf

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About the labs

- Each lab has a lab instruction file and a lab submission template
- Follow all steps outlined in the lab instruction file
- Complete the lab submission file. Answer questions and attach screenshots where needed
- Make sure your screenshots are **effective** and capture your name and student ID
- Convert the MS Word document to PDF format.
- Only submit the PDF of the lab submission form.
- Other formats such as ZIP, and Word are NOT acceptable.

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