

Ethical Hacking Environment Setup



SoftUni Team
Technical Trainers



SoftUni



Software University

<https://softuni.bg>

Have a Questions?

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#Cyber-Security

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Prerequisites

System Requirements

- CPU => **Core i5**
- RAM => **16GB**
- GPU => **n/a**
- SSD => **256 GB**



Software Requirements

- VMware Workstation Player (<https://www.vmware.com/products/workstation-player/workstation-player-evaluation.html>)
- Oracle VM VirtualBox (<https://www.virtualbox.org/>)

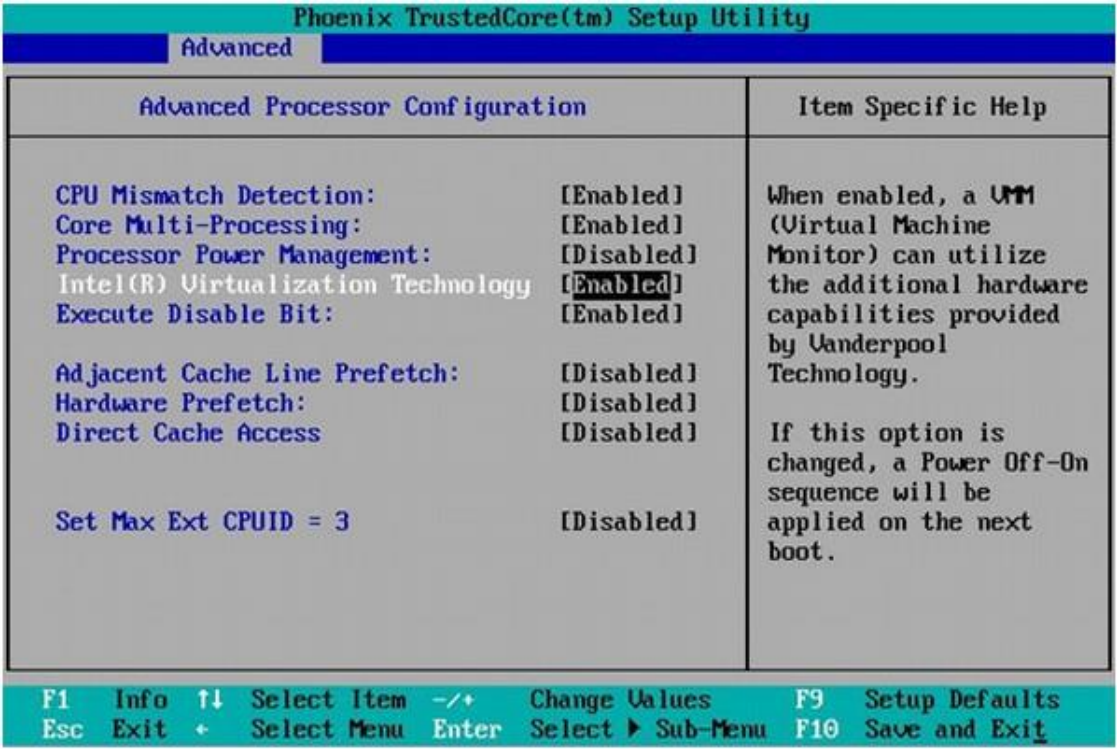




Steps

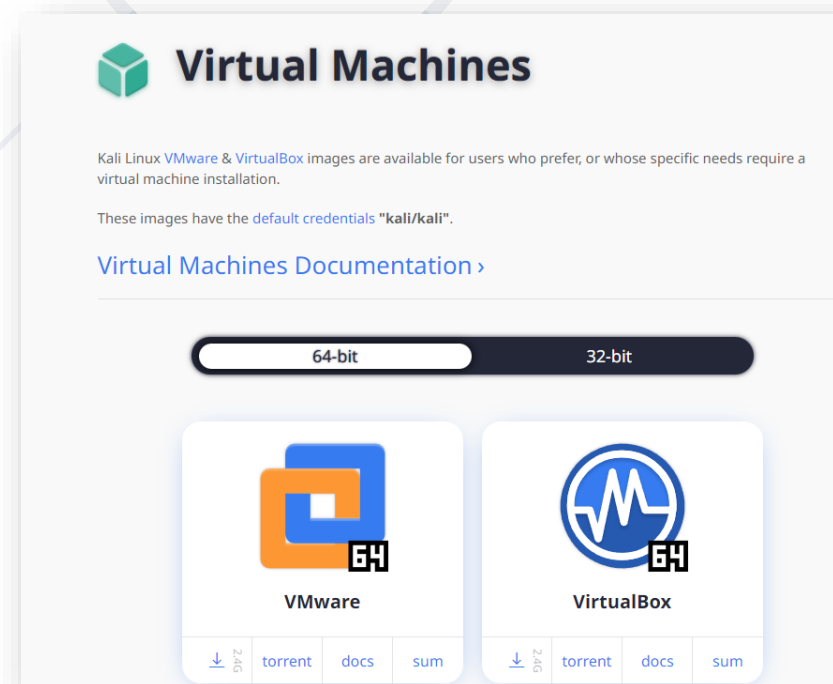
Enable Virtualization in Your BIOS

- This step differs from PC vendors, but generally what you need is to access the BIOS and enable the option that allows virtualization



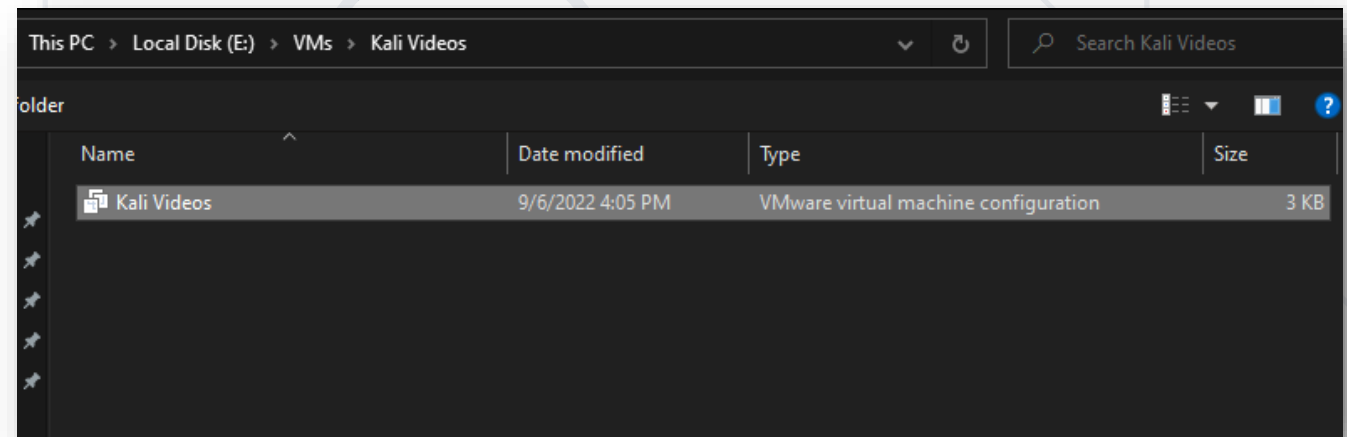
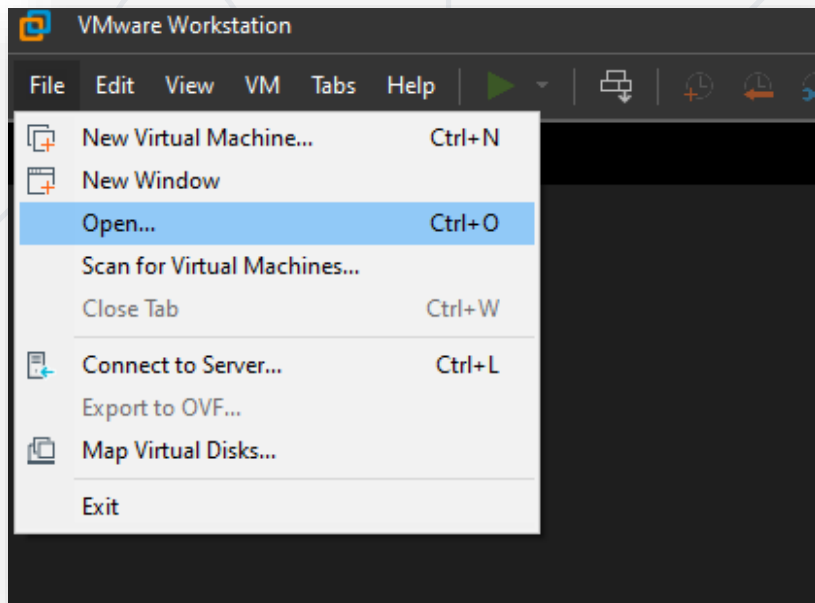
Download Kali-Linux VM

- Navigate to <https://www.kali.org/get-kali/#kali-virtual-machines>
- Download VM depending on your virtualization software



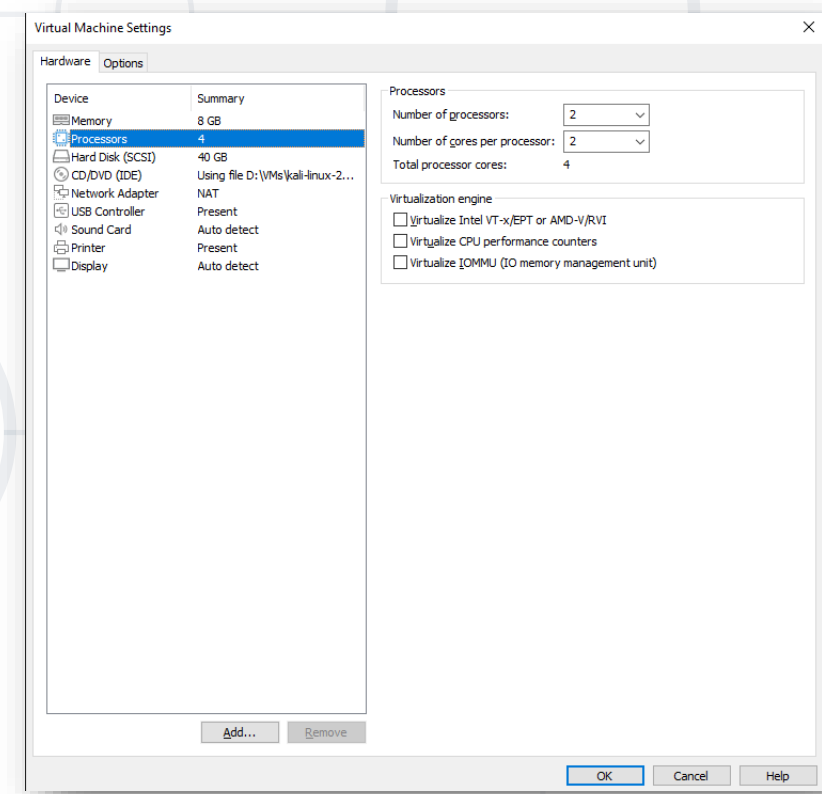
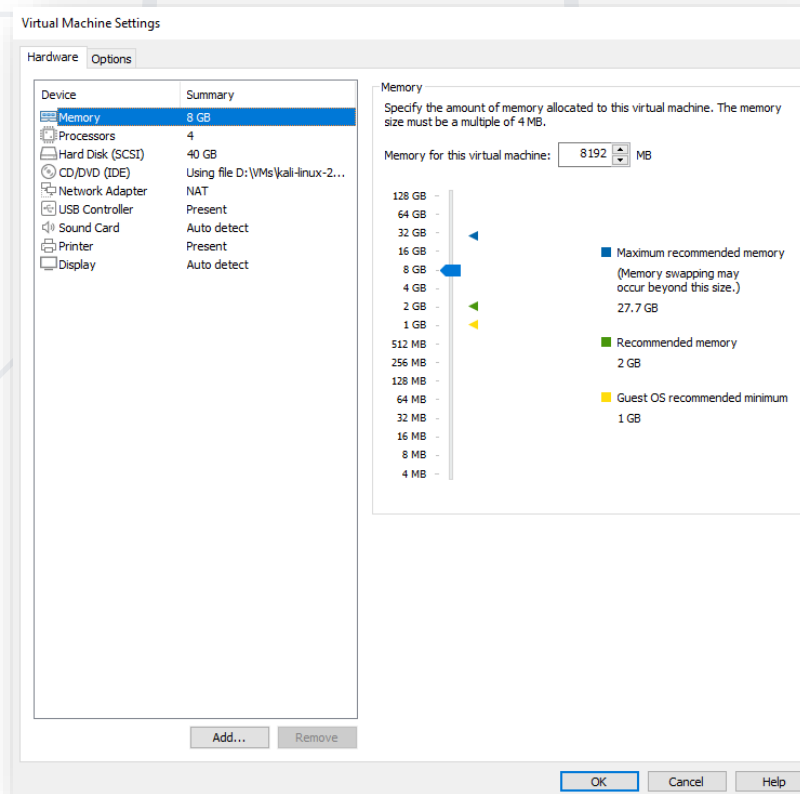
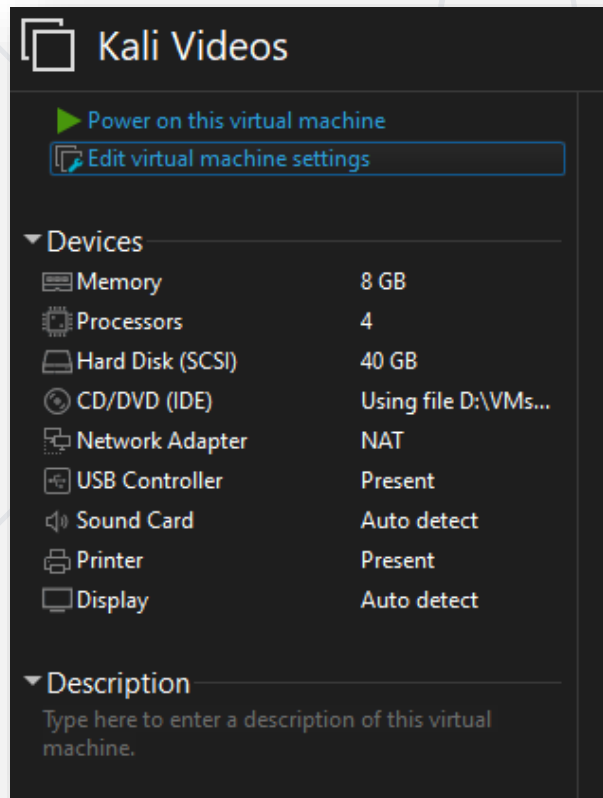
Open the Virtual Machine

- After it was downloaded, open your virtualization software and navigate to file>open
- Navigate to the downloaded vm directory and open the .vmx file



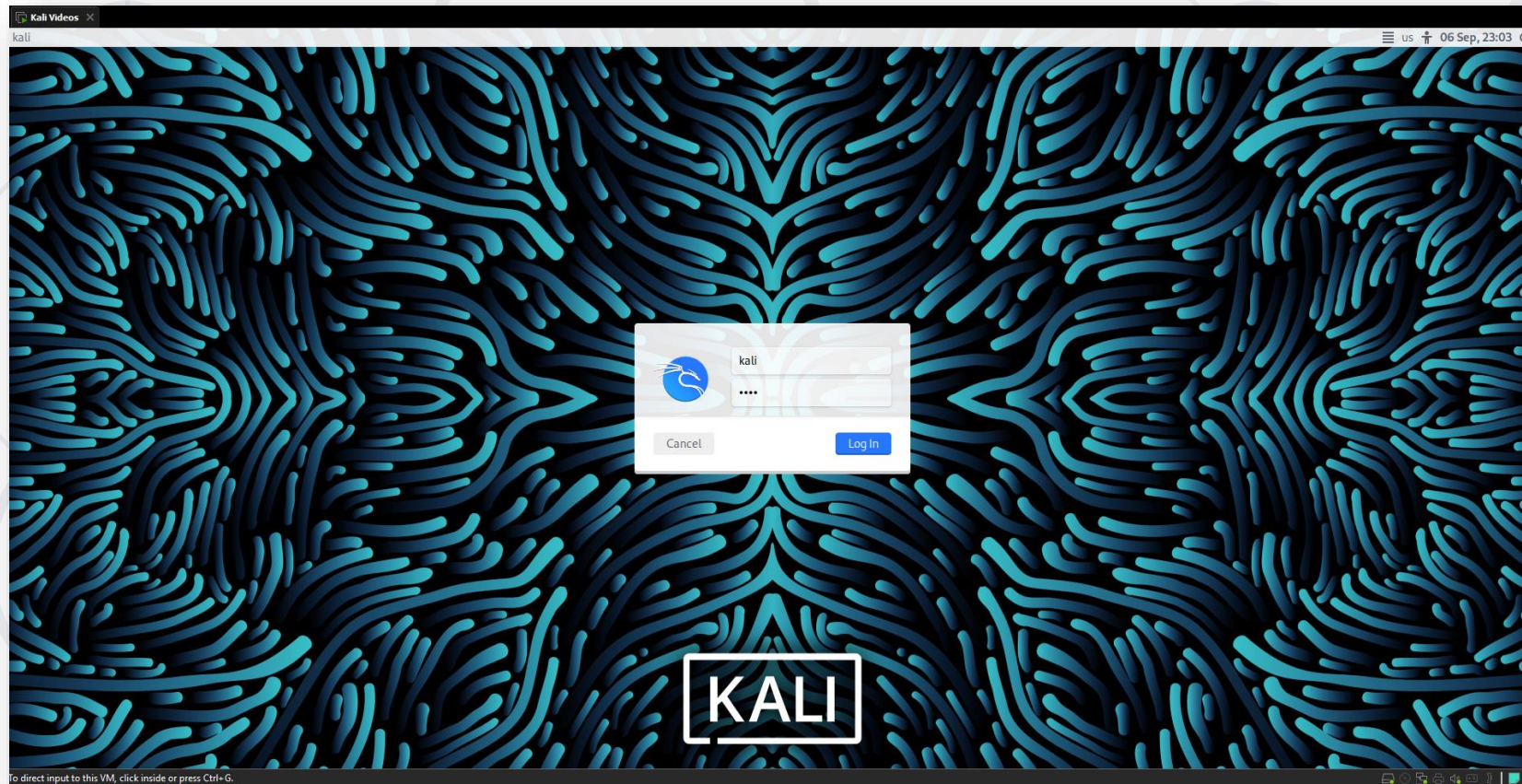
Edit VM Hardware, Based on Your System


- Boost CPU, RAM and HDD if needed



Start the Virtual Machine

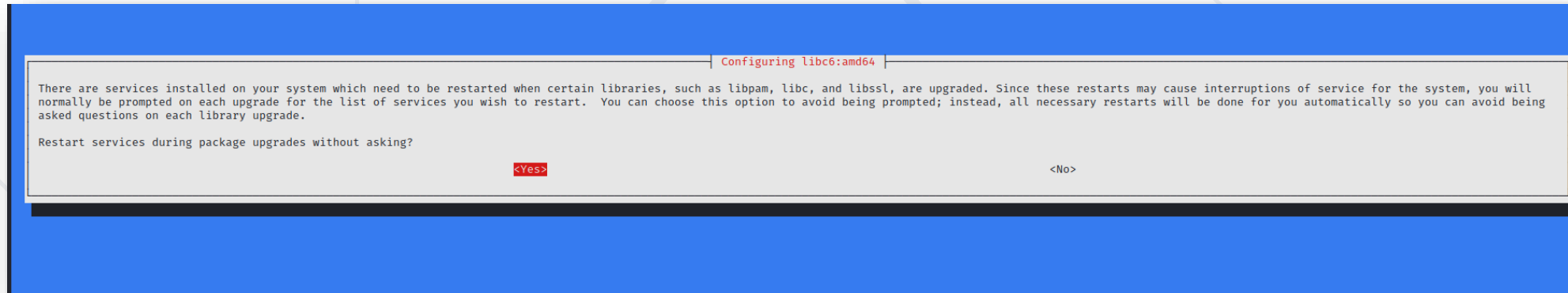
- After it boots, the default login is kali:kali



- 
- A screenshot of the Windows taskbar. The taskbar is dark blue. On the left is the Start button with the Windows logo. To its right are several pinned application icons: a folder icon, a document icon with a red 'X', the Firefox icon, and the Terminal Emulator icon. The Terminal Emulator icon is a dark blue square with a white terminal window symbol (a square with a dollar sign and a cursor) and the text 'Terminal Emulator' and 'Use the command line' below it. To the right of the icons is a search bar and a taskbar pin icon.

11.2 MB/s 1min 8s

- If you see this:



- Chose "Yes" by clicking Tab

- Open terminal and:
 - `cd /opt/` (or any other directory of your choice)
 - run "`sudo git clone https://github.com/danielmiessler/SecLists`"

```
(kali㉿kali)-[~]  
$ cd /opt  
  
(kali㉿kali)-[/opt]  
$ sudo git clone https://github.com/danielmiessler/SecLists.git
```

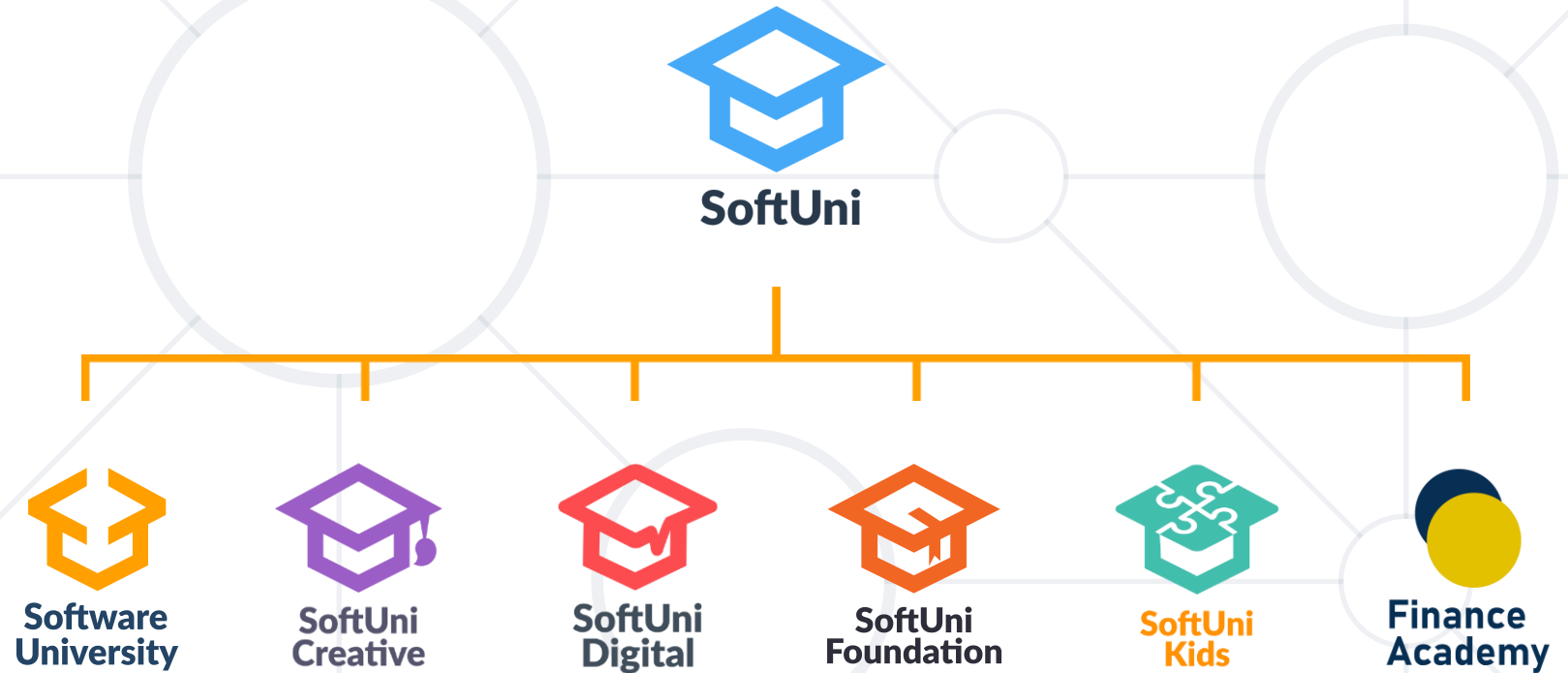
Unpack rockyou

- Open terminal and:
 - Navigate to `/usr/share/wordlists`
 - run `"sudo gzip -d rockyou.txt.gz"`

```
(kali㉿kali)-[/opt]
$ cd /usr/share/wordlists

(kali㉿kali)-[/usr/share/wordlists]
$ sudo gzip -d rockyou.txt.gz
```


Questions?



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