

**** Task group: infrastructure ****

Context

All kinds of tools are used for ‘researching’ for vulnerabilities (also called hacking). The Kali distribution contains all relevant security tools, a must have for Software Engineers.

Deliverables

- Show a working Kali VM on your laptop

Task: install the Kali distribution in a VirtualBox VM

1. Download the Kali NetInstaller .iso from <https://www.kali.org>
2. Create a VM in VirtualBox with 1GB RAM, 20GB disk space, 2 Network interfaces (NAT and host_only), .iso in virtual optical drive.
3. Boot from the .iso file and follow the instructions
 - Choose the lightweight LXDE desktop
 - Don’t forget to accept the Intel license
4. After reboot add next snippet to the `/etc/network/interfaces` file, so that eth0 (NAT interface) also obtains an IP.

```
auto eth0
allow-hotplug eth0
iface eth0 inet dhcp
```

5. Add ZAP (Zed Attack Proxy) to the list of applications. If this fails, you could also use ZAP from your host operating system.

```
sudo apt update
sudo apt upgrade
sudo apt install zaproxy
```

Alternatively install ZAP on your host: <https://www.zaproxy.org/>

6. Reboot

```
sudo reboot
```

Done