

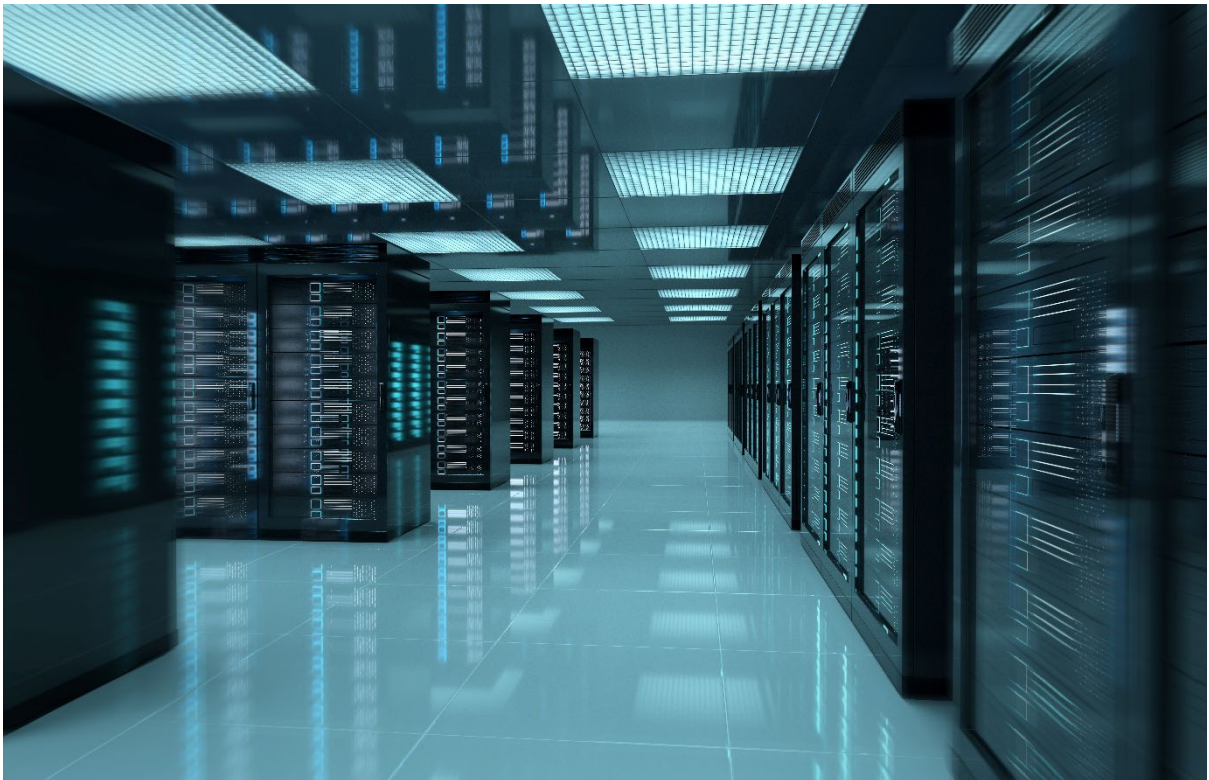
Cyber Security

Body Of Knowledge

Semester 4

Wen Quist

Version 1.0



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Web shop

To get started we had to set up a test web shop. I created a virtual machine in VMware by using the Kali template. To be able to work in a safe environment we had to connect to our virtual local area network.

Edit Settings

Kali_415184

×

Virtual Hardware

VM Options

ADD NEW DEVICE

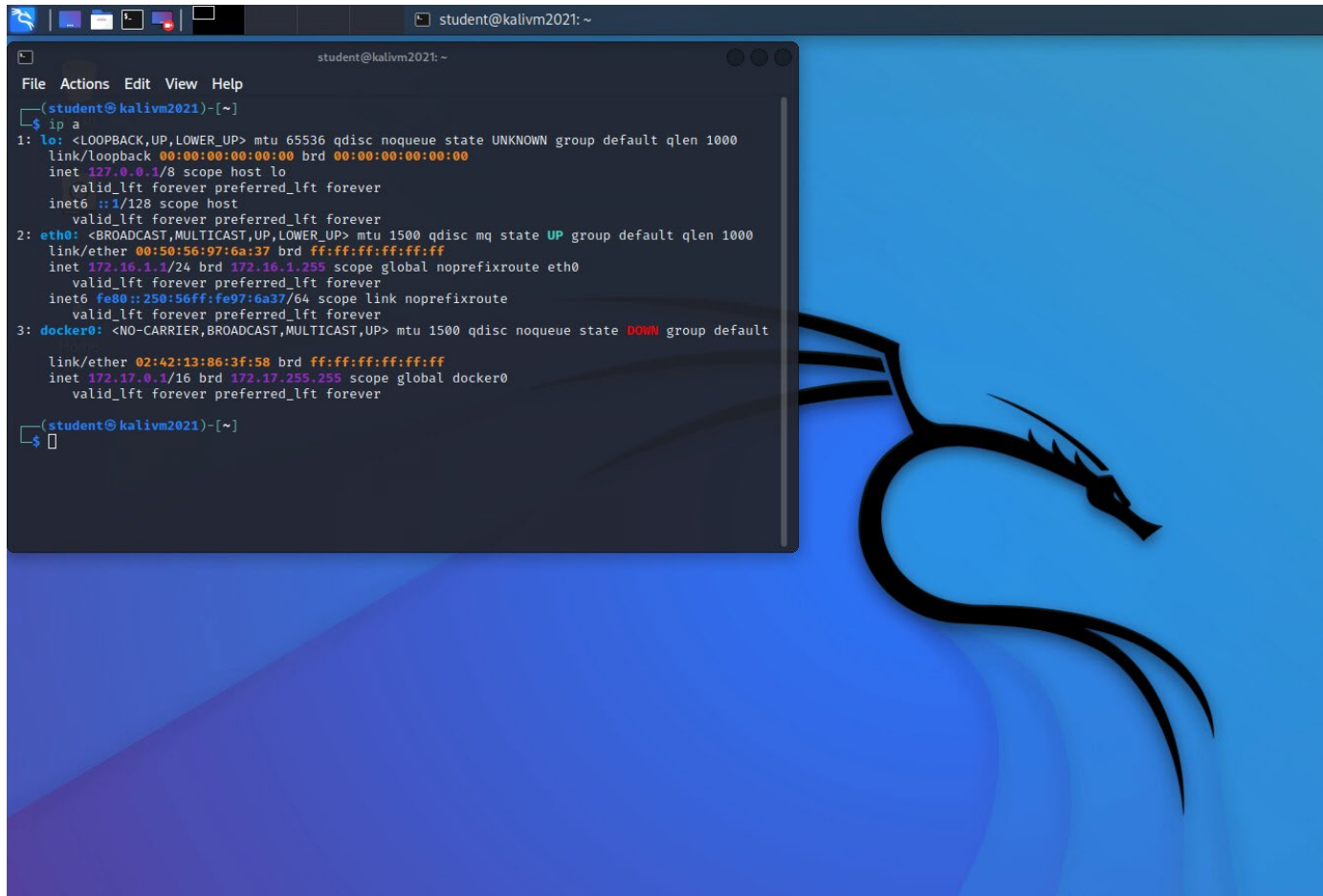
> CPU	2	▼	ⓘ
> Memory	2	▼	GB ▼
> Hard disk 1	32	GB ▼	
> SCSI controller 0	VMware Paravirtual		
> Network adapter 1	2444_CS4007_PVlanC ▼	<input checked="" type="checkbox"/> Connected	
> CD/DVD drive 1	Client Device ▼	<input type="checkbox"/> Connected	
> Video card	Specify custom settings ▼		
> Security Devices	Not Configured		
VMCI device			
> Other	Additional Hardware		

CANCEL

OK

Kali

Kali is a very useful operating system for penetration testing. It is open-source and has many tools and features to use for ethical hacking.



Damn vulnerable web application

DVWA is a web application specialized for hackers to improve and test their skills. DVWA has PHP and MySQL embedded to it. PHP is a multipurpose scripting language that can be used to develop dynamic websites without having to add extra files or data.

Microsoft Server network

I wanted to setup a windows server and use it to function as a router.

I've had some trouble connecting to the internet so I still need to figure out what went wrong when configuring the IP-settings.

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Users\Administrator> ipconfig

Windows IP Configuration

Ethernet adapter Ethernet0:

    Connection-specific DNS Suffix  . : FHICT.local
    Link-local IPv6 Address . . . . . : fe80::2d81:c99c:9937:777b%3
    IPv4 Address. . . . . : 192.168.234.18
    Subnet Mask . . . . . : 255.255.254.0
    Default Gateway . . . . . : 192.168.234.1

Ethernet adapter Ethernet1:

    Connection-specific DNS Suffix  . :
    Link-local IPv6 Address . . . . . : fe80::f092:f857:c3d0:e6d0%9
    Autoconfiguration IPv4 Address. . : 169.254.230.208
    Subnet Mask . . . . . : 255.255.0.0
    Default Gateway . . . . . :
PS C:\Users\Administrator>
```