2023

Chan Luo Feng Portfolio

From 2017 to 2023

ABOUT ME!

Hello! My name is Chan Luo Feng, and I am a highly motivated and passionate individual in the field of Information Technology. With a strong academic background, technical expertise, and a keen interest in learning new skills, I am committed to making a positive impact in the IT industry.

I recently completed my Nitec in Infocomm Technology at the Institute of Technical Education, achieving a 3.73 GPA with a 0.1 GPA CCA bonus. During my studies, I earned several Cisco certifications that have provided me with a solid foundation in networking, software, and cybersecurity. I have been recognized for my dedication and hard work through numerous accolades, including the Eagles Award 2020, Edusave Scholarships in 2020 and 2019, Young Engineer Silver 2, and Edusave Certificate of Achievement Awards in 2018 and 2017.

My professional experience includes an Information Technology internship at NTUC Income, where I served as a Desktop Engineer. This opportunity allowed me to develop essential skills in reimaging, onboarding, iPad onboarding, offboarding, and VPN reinstallation while enhancing my communication, leadership, troubleshooting, and teamwork abilities.

As a highly self-motivated and competitive individual, I am constantly seeking to expand my knowledge and skills through self-study and hands-on experiences. I have explored various tools and technologies such as Wireshark, Metasploit, Nmap, Cain and Abel, Kali Linux, and have built a home lab running an Ubuntu Server with Apache Guacamole, as well as a Windows Server 2022 for storage.

With a strong work ethic and a passion for learning, I am eager to contribute to any IT-related project or task, making the most of my adaptability and team player mindset. I am excited to embark on new challenges and opportunities to grow both personally and professionally in the dynamic world of Information Technology!

ACHIEVEMENTS

CERTIFICATIONS

EDUCATION
MERIT AWARD
2017

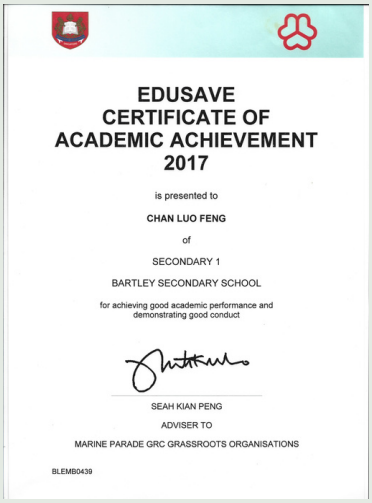
is presented to

CHAN LUO FENG

BARTLEY SECONDARY SCHOOL

SEAH KIAN PENG
ADVISER TO
MARINE PARADE GRC GRASSROOTS ORGANISATIONS
(BRADDELL HEIGHTS)

RCF 6



EDUSAVE
CERTIFICATE OF
ACADEMIC ACHIEVEMENT
2017

is presented to

CHAN LUO FENG

of

SECONDARY 1

BARTLEY SECONDARY SCHOOL

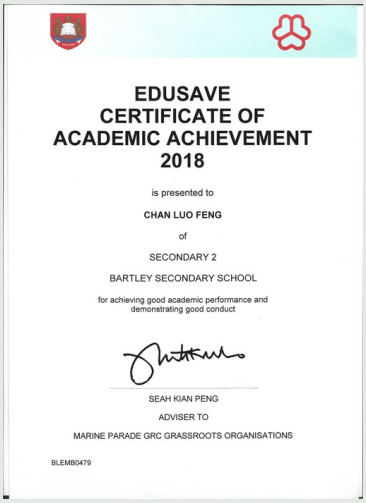
for achieving good academic performance and demonstrating good conduct

SEAH KIAN PENG

ADVISER TO

MARINE PARADE GRC GRASSROOTS ORGANISATIONS

BLEMB0439



EDUSAVE
CERTIFICATE OF
ACADEMIC ACHIEVEMENT
2018

is presented to

CHAN LUO FENG

of

SECONDARY 2

BARTLEY SECONDARY SCHOOL

for achieving good academic performance and demonstrating good conduct

SEAH KIAN PENG

ADVISER TO

MARINE PARADE GRC GRASSROOTS ORGANISATIONS

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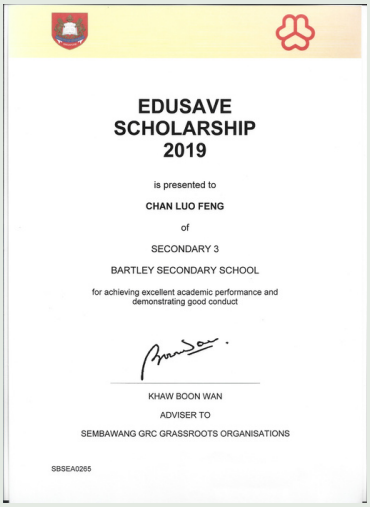


EDUSAVE
SCHOLARSHIP
2019

is presented to

CHAN LUO FENG

of

SECONDARY 3

BARTLEY SECONDARY SCHOOL

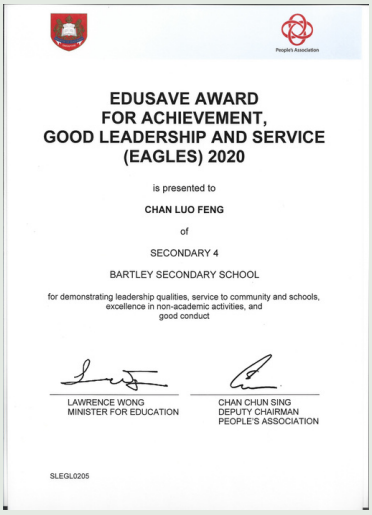
for achieving excellent academic performance and demonstrating good conduct

KHAW BOON WAN

ADVISER TO

SEMBAWANG GRC GRASSROOTS ORGANISATIONS

SBSEA0265



EDUSAVE AWARD
FOR ACHIEVEMENT,
GOOD LEADERSHIP AND SERVICE
(EAGLES) 2020

is presented to

CHAN LUO FENG

of

SECONDARY 4

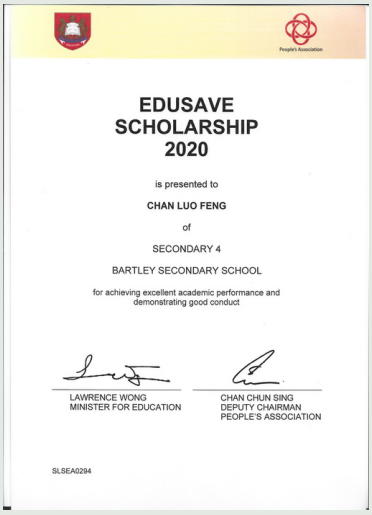
BARTLEY SECONDARY SCHOOL

for demonstrating leadership qualities, service to community and schools, excellence in non-academic activities, and good conduct

LAWRENCE WONG
MINISTER FOR EDUCATION

CHAN CHUN SING
DEPUTY CHAIRMAN
PEOPLE'S ASSOCIATION

SLEGL0205



EDUSAVE
SCHOLARSHIP
2020

is presented to

CHAN LUO FENG

of

SECONDARY 4

BARTLEY SECONDARY SCHOOL

for achieving excellent academic performance and demonstrating good conduct

LAWRENCE WONG
MINISTER FOR EDUCATION

CHAN CHUN SING
DEPUTY CHAIRMAN
PEOPLE'S ASSOCIATION

SLSEA0294

ITE
Community Scholarship

This is to certify

CHAN LUO FENG

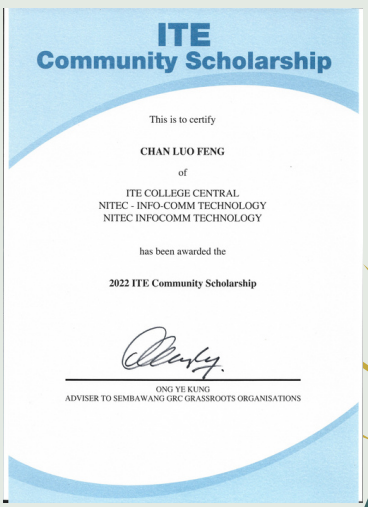
of

ITE COLLEGE CENTRAL
NITEC - INFO-COMM TECHNOLOGY
NITEC INFOCOMM TECHNOLOGY

has been awarded the

2021 ITE Community Scholarship

ONG YE KUNG
ADVISER TO SEMBAWANG GRC GRASSROOTS ORGANISATIONS



ITE
Community Scholarship

This is to certify

CHAN LUO FENG

of

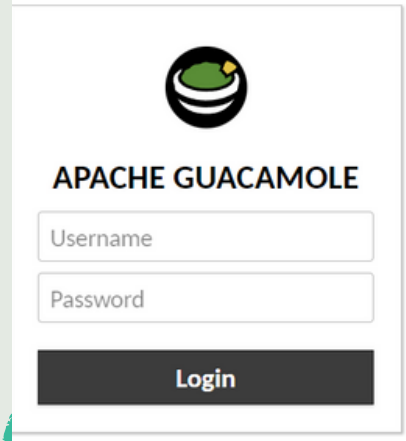
ITE COLLEGE CENTRAL
NITEC - INFO-COMM TECHNOLOGY
NITEC INFOCOMM TECHNOLOGY

has been awarded the

2022 ITE Community Scholarship

ONG YE KUNG
ADVISER TO SEMBAWANG GRC GRASSROOTS ORGANISATIONS

PERSONAL PROJECTS!



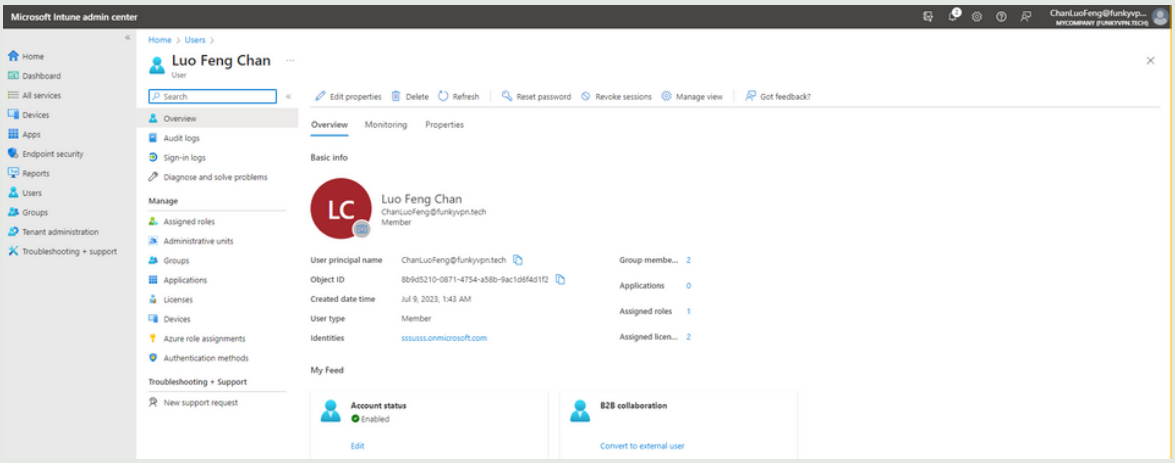
As an enthusiast in networking and cybersecurity, I have set up a home lab to practice and experiment with different tools and techniques. One of the tools that I have used extensively in my lab is Apache Guacamole. I found that Apache Guacamole is an excellent solution for providing remote access to virtual machines and services in my lab.

By setting up Apache Guacamole in my lab, I was able to easily access virtual machines and services remotely from anywhere with an internet connection. I found that the web-based interface of Apache Guacamole made it easy to manage and access multiple virtual machines, without the need for additional client software or plugins. This was especially useful when I needed to connect to my lab from a device that didn't have any remote desktop software installed.

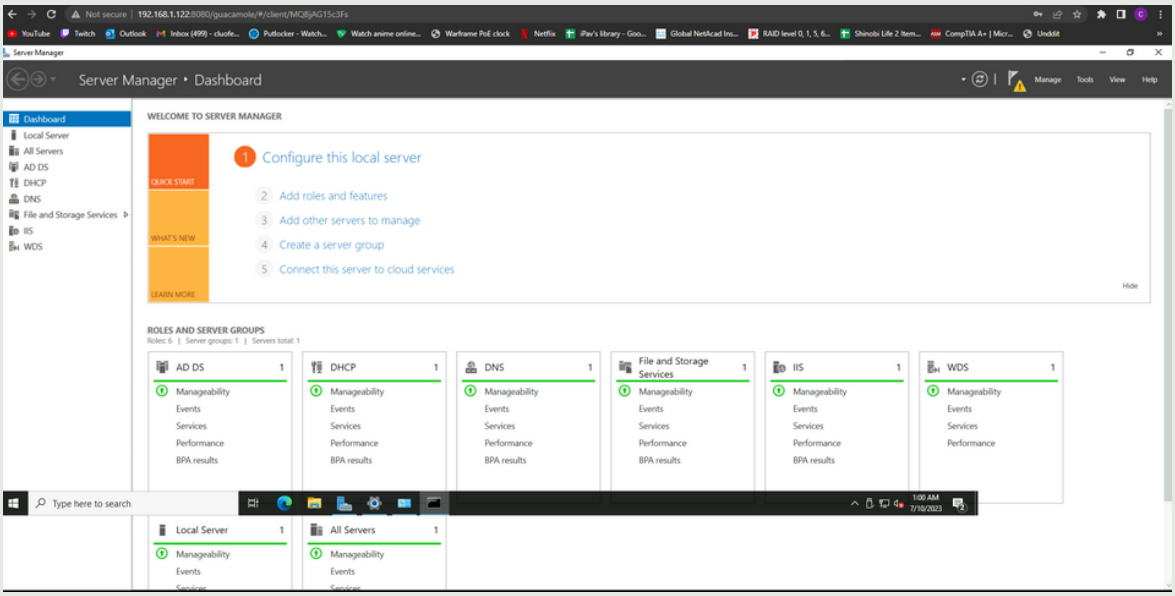
Furthermore, I was also able to customize the Apache Guacamole interface to suit my specific needs. I could easily add and remove virtual machines from the interface, as well as configure different settings and options to optimize performance and security.

Overall, my experience with Apache Guacamole in my home lab has been very positive.

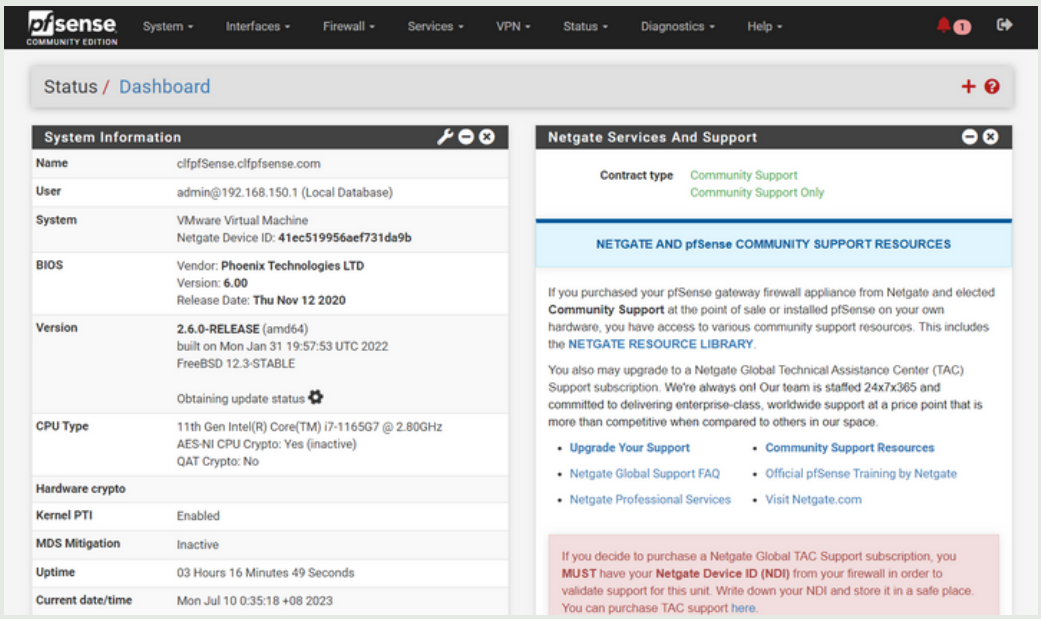
It has been a valuable tool in my lab setup, providing remote access to my virtual machines and services with ease and convenience. By including this experience in my portfolio, I hope to showcase my technical skills and proficiency in using innovative solutions to improve my lab setup and expand my knowledge in networking and cybersecurity.



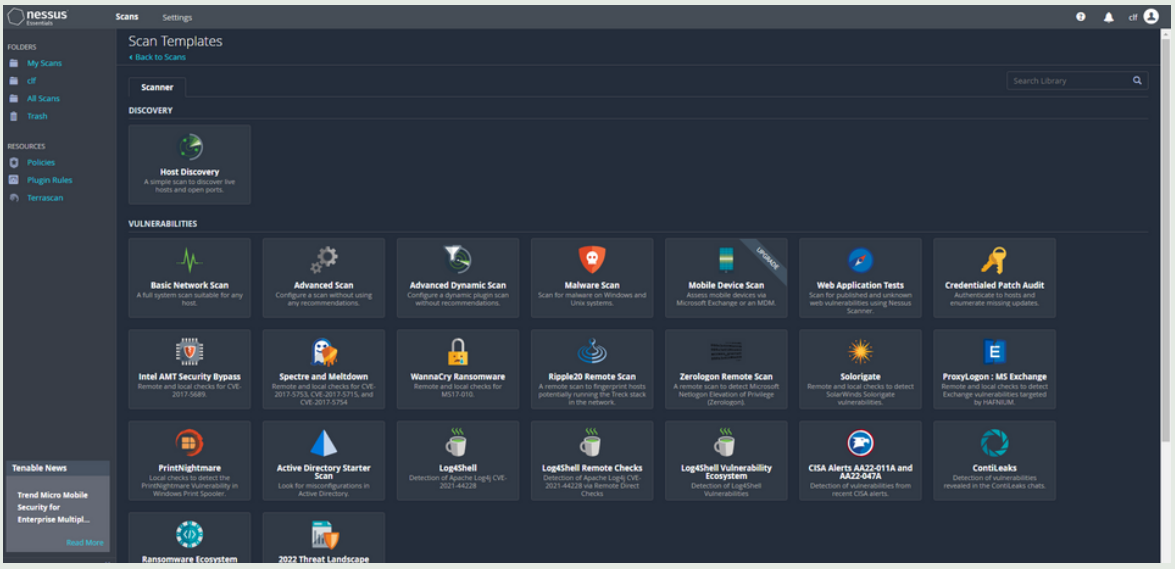
In my home lab, I have implemented Microsoft 365 Admin Center, Azure, Windows Server Domain, and Intune for efficient and secure management. Using Microsoft 365 Admin Center, I managed subscriptions, licenses, users, and groups. Azure Active Directory enabled centralized user management and single sign-on. Connecting Windows Server Domain to Azure helped control access to lab resources. Intune managed app deployment, settings, and security policies for lab devices. These tools enhanced efficiency, security, and productivity in my lab.



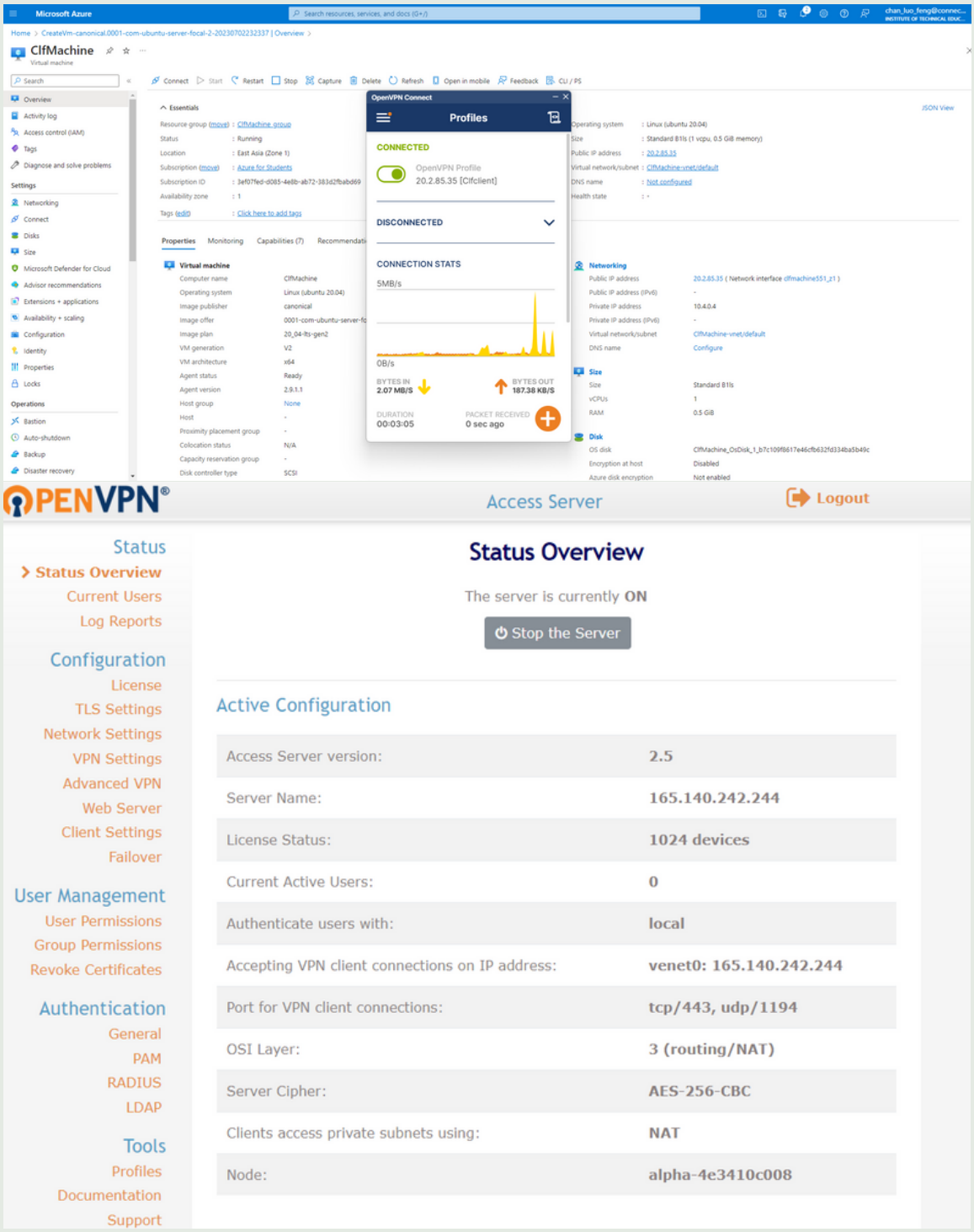
In my home lab, I have implemented Windows Server 2022 as a storage server and Domain Forest in my home lab. It provided centralized storage, deduplication, compression, and enhanced security. The Domain Forest allowed easy management of user accounts, groups, permissions, and Group Policy for efficient lab environment control. Windows Server 2022 improved productivity and showcased my technical skills.



In my personal home lab, I have implemented Pfsense as my router. I chose Pfsense because it can show great details on what goes in/out of your router. has wireguard VPN as well as many advanced features. It also has a firewall function to protect homelab from dangerous environments.



In my personal home lab, I have implemented Nessus Essentials as my Vulnerability scanner. I chose Nessus Essentials because of its simple UI, it is very easy to understand everything in a moment as well as having many options to scan for vulnerabilities. I mainly use it to scan for different vulnerabilities when I download vulnerable Virtual Machines.



In my personal home lab, I have implemented OpenVPN Access Server on a VPS (Virtual Private Server) hosted in a different country. I primarily use Microsoft Azure for hosting my VPS, which allows me to easily change the IP address and even implement a disposable VPN if needed.

I am also working on a physical project that involves the Flipper Zero device. I have been modifying the Flipper Zero to enhance its capabilities by using various modules and jumper wires. One of the key additions I made is the WiFi module, which enables the Flipper Zero to connect to WiFi networks and perform various tasks such as WiFi deauthentication and IoT control. Additionally, I have been experimenting with Sub-GHz technology, which allows me to brute-force house gates, among other applications.

INTERNSHIP END USER COMPUTING

NTUC INCOME

January 2022 ~ June 2022

During my Nitec in Info-Communication Technology course, I completed a 6-month industrial attachment at the Bras Basah Branch of NTUC Income, a leading insurance cooperative in Singapore. During my attachment, I assisted with various IT tasks such as tech refresh, remoting, basement inventory, and housekeeping.

One of my main responsibilities was to assist with tech refresh, which involved upgrading users' laptops to newer models. I also provided remote support to users when they encountered technical issues with their devices. Through these tasks, I developed skills in problem-solving, communication, and customer service.

Another important aspect of my attachment was learning about information security and the importance of keeping data secure. I gained hands-on experience in maintaining data security measures, such as preventing information leaks and controlling access to sensitive information.

Overall, my attachment at NTUC Income was a valuable learning experience that allowed me to apply my technical skills in a real-world setting. It also helped me to develop important soft skills such as communication, teamwork, and problem-solving. I am grateful for the opportunity to have worked with such a reputable organization and to have learned so much from their experienced IT team.

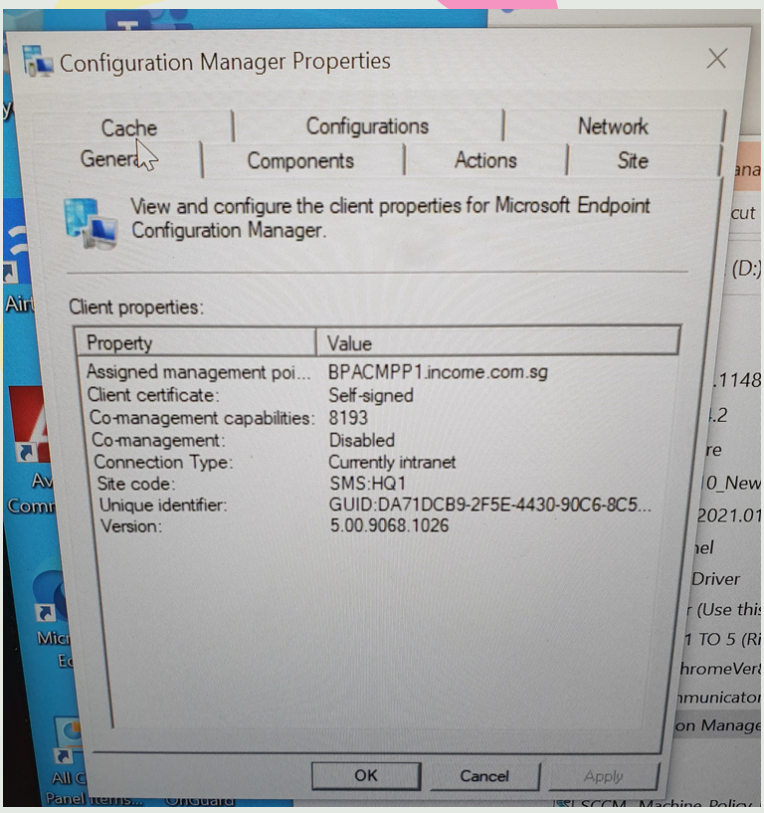
NTUC INCOME PICTURES

January 2022 ~ June 2022

This is a photo of me and my colleagues at the IT helpdesk during my industrial attachment at NTUC Income. We provided technical support to employees and assisted with various IT tasks. It was a great learning experience and I am grateful for the opportunity to have worked with such a talented team!

This is a photo of me and my colleagues during a housekeeping task at the IT helpdesk. We organized and tidied up the wires to improve the workspace's aesthetics and functionality. It was a small task, but it helped to create a more comfortable and efficient work environment for us and our colleagues.

This is a photo of me and my colleague during a basement inventory task at NTUC Income. We scanned and checked around 100 laptops and desktops using their given barcode, and marked them as obsolete in the system. This task was heavy and time-consuming, but it helped us to maintain an organized and updated inventory of the company's equipment.



This is a photo of me setting up a laptop with SCCM during my industrial attachment at NTUC Income. SCCM is a powerful tool that enables IT administrators to manage and deploy software, updates, and configurations to multiple devices simultaneously. Through this task, I gained hands-on experience in using SCCM to streamline the setup process and improve efficiency for our IT team and users.