
HAZROL NAIM

<https://www.linkedin.com/in/hazrolnaim/>
<https://github.com/hazrolnaim>
naim@hazrolnaim.com | +6011 2612 5098
Selangor, Malaysia

WORK EXPERIENCE

System Administrator

Anima Vitae Point
Selangor, Malaysia
November 2015 - present

Responsibilities:

- Server infrastructure setup, configuration, and maintaining
 - Ubuntu Linux
 - Saltstack
 - PXE Boot
 - DHCP Server
 - DNS (Bind9) Server
 - Git Repository (Bitbucket/Github/Local)
 - License Servers (Reprise RLM, Houdini Sesictrl, Flexnet)
 - Expedat
 - ZFS Filesystem
 - NFS Server
 - MooseFS File Distributor cluster
- Virtualization
 - Proxmox Virtual Environment
 - Docker / Docker Compose
 - LXC / LXK
- Cloud
 - AWS EC2 (VM)
 - AWS VPC (IPSEC)
 - Google Cloud Platform
- Level 3 IT Support
 - Windows, MacOS, and Linux
 - Zammad Helpdesk Ticketing System
 - Meshcentral
 - SSH
 - NoMachine
 - Google Workspace
- Team Lead
 - Manage and supervise the IT team

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- Network infrastructure setup, configuration, and maintaining
 - Migration from Cisco ASA 5516-X to virtualized firewall, OPNsense
 - Configure PPPoE for New ISP
 - IPSEC site-to-site VPN to Europe site
 - IPSEC site-to-site VPN to AWS VPC
 - IPSEC site-to-site VPN to Perimeter81
 - OpenVPN for remote artists
 - NAT configuration
 - Configuring a VLAN for multiple purposes
 - 1 x Arista 7050TX
 - 1 x Cisco Catalyst 3560E
 - 4 x Arista 7010T
 - 1 x Cisco SG300
 - Configuring a breakout from QSFP+ to SFP+
- Render farm setup, configuration, and maintaining
 - Configure automated system installation using PXE and Saltstack
 - Afanasy node
 - MooseFS cluster members (for some of the nodes. The rest are entirely for render only)
 - NFS mount from Infra
- Workstation setup and configuration
 - Ubuntu Linux
 - XFCE
 - Cinnamon
 - Configure automated system installation using PXE and Saltstack
 - NFS mount from Infra
- Centralized software (full/partially) using Rez package management
 - Maya
 - Houdini
 - Nuke
 - Discord
 - DaVinci Resolve
 - Krita
 - Mari
 - Steam Substance Painter 2022
 - Sublime Text 3
 - ZBrush (thru Wine)

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- Research and manage IT inventory and purchasing
 - Software licensing
 - Workstation hardware
 - Server hardware
 - Network hardware
 - Snipe-IT (Inventory Management System)
- Scripting to automated daily tasks
 - Bash Scripting
 - Python

Accomplishment:

- Configured and maintained over 100+ workstations & 150+ servers and render nodes that run 100% on Ubuntu Linux operating system
- Written lots of shell scripts (Bash) and Python scripts to help lighten up the burden of monitoring and managing workstations and servers by making them automated
- Reduces operational costs by up to 90% by converting a physical router into a virtual router (OPNsense)
- Utilizing Arista, Cisco and Dell switches to link 4 offices with separate VLANs for workstations, render nodes, and servers
- Making use of PXE boot, SaltStack & Rez package management to automate the installation and configuration of workstations, render nodes, and servers
- Connecting local studio with Helsinki's with a site-to-site VPN for easy collaboration
- Utilizing an OpenVPN to deploy a VPN solution for WFH artists and vendors
- Configured an LXC container to run Expedat, a high-performance FTP alternative service, to maximize usage of network bandwidth for downloading and uploading
- Deployed multiple Docker containers on AWS to run internal usage applications consisting of a ticketing system, inventory system, and a complete computer management platform
- Configured a distributed file system cluster to house more than 500TB of the company's project files
- Responsible for in-house DHCP, DNS, Apache, and NIS servers to have a centralized system so that every artist can work from any workstation, and not be limited to only 1 single workstation
- Utilizing an Archiware P5 to archive completed projects to LTO tapes for safekeeping

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WORK EXPERIENCE

System Administrator

Netccentric
Kuala Lumpur, Malaysia
November 2011 - April 2014

Responsibilities:

- Server infrastructure setup, configuration, and maintaining
 - CentOS 6
 - Apache Web Server
 - MySQL Database Server
 - OpenVPN
 - cPanel & WebHost Manager (WHM)
- Scripting to automated daily tasks
 - Bash Scripting
- IT support for users
 - Windows and MacOS

Accomplishment:

- Migrated the company's website (nuffnang.com & churpchurp.com) and databases running on CentOS Linux operating system in multiple countries (Malaysia, Singapore, Philippines) with a very minimal downtime
- Deployed a high-availability cluster for the company's website and databases to load balance the traffic and make sure the website is always available
- Successfully deployed a VPN for secure access to all of the company's servers
- Wrote lots of Bash scripts to monitor the servers and to automate a databases backup every night

Jr. System Administrator

Szar Solutions
Kuala Lumpur, Malaysia
April 2011 - November 2011

- Migrated Malaysia's Ministry of Higher Education (MOHE) web and email servers
- Help configure a backup solution for MOHE, utilizing a FreeBSD-based, FreeNAS (now known as TrueNAS) operating system

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EDUCATION

Cosmopoint - Institute of Information Technology

Diploma of Information Technology

Perak, Malaysia

May 2003 - June 2006

TECHNICAL SKILLS

Backup/Archive:

Archiware P5, LTO tape

Scripting:

Bash, Fish, Python

Configuration Management:

Git, Saltstack, Ansible

Containerization:

Docker, Docker Compose, LXC/LXD

Virtualization:

Proxmox, KVM, QEMU

Oracle Virtualbox, VMware Player

Cloud:

AWS EC2, AWS VPC, AWS CloudWatch

Operating System:

Linux Distro: Manjaro, Ubuntu, CentOS

Windows Version: Windows 11, 10, 7, XP

MacOS: Mojave, Catalina, Big Sur

Applications/Services:

DHCP, DNS, Apache, Cisco IOS, Arista EOS

MooseFS, CGRU Afanasy, Saltstack, Rez, ZFS

Zammad, Meshcentral, Snipe-IT

Networking:

Cisco ASA, Cisco Catalyst, Arista 7010T

Arista 7050-TX, Dell EMC

Hardware:

Lenovo P620, Dell PowerEdge R630

Supermicro FatTwin, Supermicro Workstation

HP BladeSystem, HP ProLiant DL380