



KYAW MYO HLAING

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<https://kyawmyohlaing.github.io/portfolio/>

Brief

A Bachelor of Engineer (Information Technology) holder who has got total 14 years of ICT experiences included 4 years overseas experience. Main strengths are enterprise networking, IT infrastructure implementation, system administration, maintenance and customer supporting. Simply aim to achieve organization's goal by IT supporting role.

Qualification

Degree

❖ [Bachelor of Engineering \(BE-IT\)](#)

Bachelor of Engineering (Information Technology)(2000 - 2006)

Mandalay Technology University

Certification

- **VMware Certified Professional 6.5- Data Center Virtualization**
- **VMware Certified Professional 5- Data Center Virtualization**
- **Master Cloud-Native Infrastructure with Kubernetes**
- **SDN, NFV, Whitebox switching and OpenFlow**
- **ICSI | CNSS Certified Network Security Specialist**
- **Introduction To OpenShift Application**
- **ACI**
- **Cert Prep: Red Hat Certified System Administrator**
- **CCNA Routing and Switching**
- **Blockchain Specialization**

Professional

Company : **First Private Bank Co., Ltd (May 2017 – Current)**

Position : **Infrastructure Manager**

Responsibilities

- Planning, designing, implementing & maintaining Datacenter and Disaster Recovery infrastructure supporting such as Core banking system, Digital Banking, FI-Gateway, Swift, MIS agent, and Credit Bureau system.
- Planning, designing implementing & maintaining enterprise network for Head Office and Branch Network.
- Experience with *VMware vSphere, Tanzu Kubernetes, AWS VPC, vCD-A, Velocloud SD-WAN*
 - Deployment and Configuration: ESXi hosts, vCenter Server and associated components.
 - Virtualization Management: VM creation, cloning, snapshot and resource allocation with various guest OS, ensuring compatibility and optimal performance.
 - HA and Fault Tolerance: configuration clusters, VM monitoring and failover policies to ensure the uptime and reliability of critical workloads.
 - Resource Management: Setting optimization, reservations, limits, and shares to prioritize workloads. Implementation DRS to balance VM workloads across hosts.
 - Storage Management: Datastores, storage clusters, and storage policies such as VMware vSAN, EMC SAN storage and storage multi-pathing.
 - Networking Configuration: Virtual networks, including standard and distributed switches, VLAN, network adapters, and load balancing for VMs with NSX-T for network virtualization.
 - Security and Compliance: Best practices within vSphere environments like RBAC , VM encryption, vSphere hardening, and compliance checks.
 - Backup and Disaster Recovery: VMware Site Recovery Manager(SRM), third-party backup solution like EMC networker integration with EMC data domain.
 - Performance Monitoring and Tuning: Regularly monitor the performance of vSphere environments using tools like vCenter Performance Charts and vRealize Operation Manager.
 - Upgrades and Patch Management: Plan and execute upgrades and patch management activities, ensuring that environments remain up-to-date with security patches and feature enhancements.
 - Documentation and Training: Maintain detailed documentation of vSphere configuration, procedures and best practices and provide training and knowledge sharing to team members and stakeholders.

- Experience with VMware vSphere with Tanzu:
 - Deploying and Managing: vSphere Supervisor Clusters and storage configurations with both embedded and external Tanzu Kubernetes clusters.
 - Kubernetes Integration: Provision and managing Tanzu Kubernetes clusters with the vSphere infrastructure, allowing for the creation and management of Kubernetes clusters directly from the vSphere Client.
 - Cluster Lifecycle Management: creation , scaling, and decommissioning using declarative configurations and YAML manifests for cluster creation.
 - Networking: Setup of load balancers, ingress controllers, and network policies. Configuration container networking and ensuring connectivity between clusters and external resources.
 - Security and Access Control: RBAC, pod security policies, and network policies, to secure Tanzu Kubernetes clusters.
 - Monitoring and Observability: Utilizing tools, such as Prometheus, Grafana, and Fluentd for log aggregation for insight of cluster health and application performance.
 - CI/CD Integration: CI/CD pipelines, enabling automated application deployments, testing, and updates.
- Experience with AWS VPC Setup:
 - VPC Design and Architecture: Network segmentation, security, and scalability such as CIDR.
 - Security and Access Control: network ACLs, security groups, Virtual Private Gateway for secure VPN connections and Internet Gateways(IGWs) for public internet access.
 - Peering and Transit Gateway: VPC peering to facilitate communication between isolated environments.
 - High Availability: Design VPCs with multiple Availability Zones to ensure HA and Fault tolerance and load balancing.
 - VPC Endpoints: Leverage VPC endpoints to securely connect VPC resources with AWS services like S3 and Dynamo DB without traversing the public internet.
 - VPC Flow logs and Monitoring: Setup VPC flow logs to capture network traffic data for monitoring, auditing, and troubleshooting purposes.
- Experience with vCloud Director Availability for Private Cloud DR Management:
 - ❖ vCloud Director Expertise: Deploying, configuration, and optimizing vCloud Director for private cloud environments, making it an ideal platform for DR solutions.
 - ❖ Disaster Recovery Planning: Conduction risk assessments, defining recovery point objectives(RPOs) and recovery time objectives(RTOs), and establishing DR runbooks.
 - ❖ vCD-A Deployment: Deploying vCD-A solution to enable DR capabilities within private cloud environments.
 - ❖ Replication Configuration: Configuring and managing replication for virtual machines and workload using vCD-A. Defining replication policies, selecting target sites, and monitoring the replication status.
 - ❖ Failover and Failback Procedures: Failover and failback procedures to ensure a seamless transition for services in the event of a disaster. Conducting DR tests to validate recovery processes.
 - ❖ Site-to-Site Connectivity: Setup and optimized site-to-site connectivity between primary and secondary data centers to facilitate data replication and VM synchronization.
 - ❖ Monitoring and Reporting

- ❖ Security and Compliance: Implementation encryption for data in transit and at rest.
- ❖ Documentation and Training: Maintain detailed documentation of DR configuration, procedures, and best practices. Providing training to IT teams and stakeholders.
- ❖ Testing and Validation: Conduct regular DR tests to validate the effectiveness of recovery procedures.
- ❖ Incident Response: Leading incident response efforts, orchestrating the recovery process, and minimizing business impact.
- Experience with VMware SD-WAN by VeloCloud:
 - ❖ Solution Architecture: Deep understanding of the architecture of VMware SD-WAN by velocloud such as Edge appliance, Orchestrator, and Gateways. Designing SD-WAN solution that align with the specific requirements and goals of organizations.
 - ❖ Deployment and Configuration: Setting up Edge appliances, orchestrator, and configuring WAN links for optimal performance and redundancy.
 - ❖ Traffic Optimization: Optimization WAN traffic to ensure efficient and reliable communication between branch offices, data centers, and cloud resources. Configuration traffic steering, Qos, and application-aware policies.
 - ❖ Security Integration: Configuration firewall policies, end-to-end encryption of traffic across SD-WAN links.
 - ❖ Cloud Connectivity: Connection SD-WAN networks to public and branch, private cloud environment. Leveraging direct cloud on-ramps and optimized data flow to and from cloud services.
 - ❖ Multi-Path Optimization: Configuration and Managing multiple WAN links such as broadband, MPLS, APN SIM and 4G/5G, to maximize network resilience and performance. Utilization dynamic path selection and link steering for load balancing and failover.
 - ❖ Network Monitoring and Troubleshooting: Diagnosing and resolving network issues to minimize downtime.
 - ❖ Zero-Touch Provisioning: Implementation zero-touch provisioning process to simplify the deployment of Edge appliances at remote sites, reducing the need for on-site IT personnel.
 - ❖ Vendor Collaboration: Collaboration with vendors to resolve technical issues and optimize SD-WAN implementations. Stay updated on the latest features, enhancements, and best practices.
- Experience with Switches, Routers, Firewall, and Access Points:
 - ❖ Deployment and configuration: Switches of various models and series. Setting up VLAN, STP, and port configuration.
 - ❖ Virtual LANs(VLANs): Designing and implementing VLANs for network segmentation, security, and traffic isolation such as creating VLAN interfaces, configured trunking, and VLAN routing.

- ❖ Quality of Service(QoS): implementing QoS policies to optimal performance for critical applications.
- ❖ Ether Channel and Link Aggregation: Configuration link aggregation and Ether Channel groups to increase network redundancy and bandwidth for high demand environments.
- ❖ Port Security: Configuration port security features to control and restrict access to switch ports based on MAC addresses, limiting unauthorized device connection.
- ❖ Troubleshooting: Diagnosing and resolving issues related to network connectivity, STP problem, and performance bottlenecks on switches using diagnostic tools and logs.
- ❖ Routing Protocols: Configuration dynamic routing protocols such as OSFP, EIGRP, and BGP on routers to ensure efficient and fault-tolerant data routing.
- ❖ VPN and Security: site-to-site VPNs(IPsec, SSL VPNs) and remote access VPNs, GlobalProtect VPN, ACLs and NAT.
- ❖ WAN Connectivity: Designing and configuration WAN connections technologies like MPLS, leased lines, and broadband.
- ❖ High Availability: Setup HA solutions like HSRP, VRRP, and GLBP to ensure router redundancy and minimize downtime.
- ❖ Wireless LAN(WLAN) setup: SSIDs, security settings and encryption protocols.
- ❖ Wireless Security: WPA2-Enterprise authentication, MAC filtering, and guest network isolation.
- ❖ Controller-Based WLANs: Centralize management, configuration, and monitoring of multiple APs in large-scale deployment.
- ❖ Integration with identity services and performance optimization.
- Deploying and Setup Nodes for Stellar and Ethereum Blockchain private and public network

Company : Frontier Technology Partners Co., Ltd (March 2014 – May 2017)

Position : Senior System Engineer

Responsibilities

- Planning, designing, implementing & maintaining “myKyat” system infrastructure including Cisco networking and VMware Virtualization
- Planning, designing implementing & maintaining enterprise network for Head Office and Branch Network.
- Installation, configuration and administration ESXi, vCenter Server, NSX Manager, UCS Manager and vOperation Manager for Datacenter management environment.
- Installation, configuration, and administering Window, Linux Operation System.
- User Accounts, Organizational Units, Group Policy Objects, Sharing & Security Permission, Performance optimization for Active Directory Service.
- Installation and administration AD, DHCP, DNS, Cacti, Web application server, Crystal Report and printer server.
- Installation, configuration and administration Switch, Router, Firewall, AP, SD-WAN and ACI.
- Regularity maintaining security by updating device firmware, Operation system, software and application, security software.
- Installation and configuration Geth Nodes for blockchain private and public network
- Regularity Checking and Schedule Backup as daily.
- Manage team and vendors

Company : OKA Management Technology Co., Ltd (Nov 2008 – Nov 2012)

Position : Senior Network Engineer

Responsibilities

- Planning and implementation Switch , Router, AP and Firewall
- Implementing and Maintaining network , repairing of Computer Hardware, Internet & Email Services
- Installation and administration AD, DHCP, DNS , Web application server and printer server
- Regularity maintaining security by updating device firmware, Operation system, software and application, security software.

Company : **Columbus Travels & Tours Co., Ltd (Mar 2007 – Sep 2008)**

Position : **Network Engineer**

Responsibilities

- Nationwide IP Star satellite station installation at client site
- User Technical Support and Solving System Error in Windows XP, Vista , Window 7
- Installation and administration AD, DHCP, DNS and printer server
- Accept and solve complaints from the customer, and provide required technical support
- Installation ,configuration , monitoring and troubleshooting switch, router and firewall

Personal Details

- Date of Birth : 1 / 2 / 1982
- NRC No : 5/Ma Ya Na (N) 168142
- Marital Status : Married
- Nationality : Myanmar
- Expected Salary : Negotiable
- Availability : 1 month notice period

Reference

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