



MEHEDI AL AMIN

WORK EXPERIENCE

Network Engineer

IFIC BANK PLC | Dhaka, Bangladesh.

September 2018 - Present

- **Administered and optimized** Cisco router and switch configurations across a large-scale **MPLS network**, ensuring seamless connectivity and **peak performance** for over 1400 critical branch offices and corporate headquarters.
- **Led the administration of Web Security Gateway (Zscaler Internet Access)** for a massive enterprise environment, securing internet traffic for **5000+ users and 300 servers**. Successfully **integrated SAML authentication** to enforce granular user policies and leverage **advanced traffic logging** for critical security visibility and incident analysis.
- **Proactively administered and maintained** enterprise **Palo Alto DMZ firewalls**, specializing in **policy creation and optimization** to enforce strict access control lists (ACLs) and ensure **regulatory compliant** traffic segmentation between internal and external networks.
- **Designed and deployed** a resilient **dual-path site-to-site VPN** linking the bank's Data Center to a partner data center across two independent ISP links, building **GRE-over-IPsec (IKEv2)** tunnels on **Cisco IOS-XE router** and tuning **eBGP with local-preference and AS-path prepend** for automatic failover and deterministic primary/secondary path selection.
- **Maximize the security posture** by **optimizing policy configuration** within **Cisco Identity Services Engine (ISE)**, delivering granular visibility into user activity logs for prompt threat identification and maintaining **zero-downtime connectivity** for over **5,000 devices daily**.
- **Achieved a 25% reduction in network downtime** by implementing and optimizing comprehensive network performance monitoring. Expertise includes configuring **SNMP/ICMP alerts** and managing tools such as **SolarWinds, NetFlow, Cacti, and Zabbix** to proactively identify, troubleshoot, and resolve critical network issues.
- **Achieved 99.9% network uptime** and **reduced network-related incidents by 20%** through proactive monitoring and maintenance across critical infrastructure. Expertise includes the **full lifecycle management** (deployment, administration, maintenance) of switches, routers, firewalls, load balancers, and **WLAN fabrics** in **Data Center (DC)** and **Disaster Recovery (DR)** sites.

CERTIFICATIONS

Cisco Certified Network Associate Routing and Switching (CCNA).

Cisco • 2018

Certificate Verification Code: 432255445013CLYG

Red Hat Certified Engineer (RHCE)

Red Hat, Inc • 2019

Credential ID 190-251-777

PROJECTS

Secure Web Gateway (SWG)

IFIC BANK PLC • October 2023 - January 2024

- I was leading member of deployment of Zscaler Internet Access (ZIA) to large scale organization of 5000 users with more than 1400 Branches.

PROFILE

I am an experienced Network Engineer with over 07 years of experience in the field. I have a proven record of successfully managing and troubleshooting complex network systems, while also increasing efficiency and reducing costs. I have a deep understanding of Network Architecture, Routing Protocols, Web Security Gateway, and Firewall Technologies, and am adept at identifying and resolving issues quickly and effectively.

CONTACT

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SKILLS

Network Security Management
Enterprise Network Architecture
Cisco ISE & Policy Control
Linux Server Administration
Network Troubleshooting & Analysis
Technical Documentation & Compliance

TECHNICAL SKILLS

- **Security & Networking:** Zscaler, Cisco, IPsec Tunneling, Palo Alto, F5 (WAF), Fortinet, MikroTik
- **Protocols:** BGP, OSPF, VPN, MPLS, RIP, Static Route.
- **Monitoring & Analytics:** SolarWinds, NetFlow, Cacti, Zabbix
- **Design Tools:** Microsoft Visio, Draw.io
- **Virtualization:** VMware, Hyper-V

LANGUAGES

- **English:** Fluent (Reading, Writing, Listening)

- **Bengali:** Native (Reading, Writing, Listening)

REFERENCES

MD. Fakhru Alam

Manager (SAVP), Core IT Infrastructure Management, Data Processing & IT System Management, IFIC BANK PLC.

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- By deploying this solution now all internet users' traffic has become more secure.
- After integrating with Azure AD SAML authentication system with this solution internet traffic logs have gotten more efficient visibility.

Tower Core Switch Implementation

IFIC BANK PLC • March 2022 - May 2022

- I was the leading member of this implementation project.
- Without any down time of organization network's users' network connection, we have completed this project.

New DR Center Setup

IFIC BANK PLC • November 2020 – December 2020

- Collaborated with a team to establish a Disaster Recovery site to replicate critical IT systems and data, ensuring business continuity and rapid recovery in case of primary data center failures.

DC Migration

IFIC BANK PLC • September 2018

- Contributed to the team effort in relocating data, applications, and IT infrastructure from one data center to another, ensuring minimal downtime and seamless system continuity.

EDUCATION

Master of Science in Computer Science & Engineering

United International University.

Bachelor of Science in Computer Science & Engineering

American International University-Bangladesh.