Davood **Fadaee**

NETWORK INFRASTRUCTURE EXPERT

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"Work Smarter NOT Harder."

Summary

Current Head of Network and Communication Department at Eghtesad Novin Bank PJSC. 13+ years experience in the designing, implementing, maintaining and troubleshooting routing, switching, network security solutions. Passionate about learning and staying up-to-date in new network solutions and technologies. Ability to planning and implementing solutions based on change management process and also ability to communications and team collaboration.Interested in network automation to facilitate repetitive processes, decrease number of errors, increase the speed of making changes in network administration.

Work Experience

Eghtesad Novin Bank (Homepage)   *Tehran, Iran*
Head of Network and Communication Department / Network Infrastructure Expert   *Jul. 2013 - Peresent (March 11, 2024)*

Led on network and security solutions, across data centers, central offices, and more than 200 branches, including:

- Designing, redesigning, updating, and upgrading the network and security components of data center infrastructure, incorporating the latest technologies. This including routing, switching, and security components, emphasizing redundancy mechanisms and protocols to ensure a stable and resilient network. The scope extending to cover both primary and backup centers, as well as disaster recovery data center.
- Offering consistent and effective support, troubleshooting, and optimization for all network and security equipment.
- Collaborating with other teams to establish the necessary infrastructure for new services, update the infrastructure of existing services and offering different services from backup data center.
- Taking a proactive role in enhancing routing, switching, and security components to fortify the overall network resilience.
- Configuring, supporting, and implementing new features on network security equipment in alignment with business needs, best practices, and identified vulnerabilities.
- Designing, implementing, supporting and troubleshooting WAN network solutions (such as DMVPN,Dynamic Routing,IPSEC VPN, etc) for connecting branches and data centers.
- Supporting and Utilizing diverse Telecommunication solutions, including MPLS, ADSL/VPN, LTE, and VSAT, to ensure seamless business continuity.
- Maintaining thorough documentation of configurations, support processes, and updates for reference and knowledge transfer.
- Planning, implementing, and providing support for network security features on LAN equipment, including port security, Dynamic ARP Inspection (DAI), and DHCP snooping.
- Planning, implementation and supporting IP management solution(NetBox) with development different automation solutions with python programming based on API and network modules for network equipment data gathering, registering IP addresses for devices and make reporting that led to a centralized storage for IP addresses, decrease IP conflict and improve performance.

Qarz Al-Hasaneh Mehr Iran Bank (Homepage)   *Tehran, Iran*
Network Administrator   *Jun. 2010 - Jul. 2013*

My work experience was combination of diverse activities in the IT sector, focusing on the design, implementation, and support of WAN networks with over 600 branches. Throughout this tenure, I had been involved in a variety of tasks and responsibilities in this field, including:

- **Design:** Designing WAN networks based on the diverse needs of branches and required facilities. Providing innovative solutions to enhance network performance.
- **Implementation:** Implementing and launching Telecommunications infrastructures and dynamic routing protocol on WAN networks. Managing the installation and setup of Cisco hardware devices and related software.
- **Support:** Providing technical support to troubleshoot WAN network issues and improve efficiency.Planning and executing preventive actions to prevent network disruptions and issues such as implementing monitoring system.
- **Management of over 600 Network Devices:** Managing the WAN network responsibilities for over 600 branches across the organization.Coordinating and collaborating with various teams to implement a unified and optimized network process.

Freelancer

Automation Engineer - Networking

- **Development and Implementation of Automation Solutions:** Designing and implementing automation solutions to streamline repetitive processes, minimize errors, accelerate change implementation using the Python programming language, and interfaces embedded in WAN, LAN, and data center networks.
- **Centralized Equipment Information Management:** Consolidation and continuous updating of information on network equipment, centralized and optimal IP management(NetBox) using different automation solutions with python programming based on API and network modules for efficient management of network and communication infrastructures.
- **Tailored Automation Solutions:** Providing automation solutions tailored to the specific needs of organizations and companies to enhance productivity and efficiency.
- **Training Courses in Network Automation:** Delivering specialized training courses to enhance knowledge and skills in the field of network structure automation.

Teaching Experience

Lecturer
SEMATEC Institute (Homepage)

Tehran,Iran
Feb. 2021 - PRESENT (March 11, 2024)

- Cisco Certified DevNet Associate
- Cisco Certified Network Associate
- Python Programming

Detailed Skills and Expertise

Detailed Skills:

Routing: Static Routing, Dynamic Routing (OSPF, EIGRP, BGP), VRF [lite], NHRP, DMVPN, IPv6
Switching: FHRP, STP, MST, Switching Security Mechanisms
Network Security: VPN Technologies, Hardening, Cisco IOS Firewall and CoPP, LAN Security (Port-Security, DHCP Snooping, DAI, etc), Next Generation Firewalls
QoS: Policing, Shaping, Rate Limiting, Prioritizing, etc.

Programming: Python, Django

Hands-on experience with:

Routers: Cisco 7600, 4400, 3900, 3800, 3700, 2900, 2800, 1800, 800 series.
Switches: Cisco 6500, 3745E/G, 2960T/S/X, 3650TQ/L/S, 3850, 9200 series.
Firewalls: Cisco FWSM, IOS Zone-based Firewall, Juniper SRX240H, ISG2000, Fortinet Fortiweb-1000D, Fortinet FortiGate 501E, 1100E, 1500D, Cisco FMC1600 and FTD2140.
Network Management: Cisco Prime Infrastructure, Cisco Network Assistance.
Monitoring Products: SolarWinds, PRTG, Manage engine Netflow Analyzer, Splunk.
AAA Server: Cisco ACS, Cisco ISE.

IPAM: NetBox.

Familiarity with:

SDN Solutions: Cisco ACI, SD-WAN, SD-Access
Virtualization: VMware ESXi, Docker, Kubernetes
Microsoft Environment Skills: Active directory, DNS, DHCP, WSUS.
Load balancer: F5 LTM Module, Fortigate and Fortiweb load balancer features
Project Skills: Project Management and Planning, Preparing RFP, LOM, LOS, MSP

IT Service Management: ITIL

Certificates

Local certificates:

- **Cisco:** CCNA Academy, CCNP Routing, Switching and TSHOOT, QOS, CCNA Datacenter
- **Juniper:** JNCIS-SEC, JNCIA-JUNOS

Self-study:

- **Cisco:** CCDA, CCNA Security, SD-WAN, ACI, CCNA DEVNET Associate, Cisco FTD
- **Fortinet:** NSE4

Education

Shomal University
Hardware computer associate degree, computer engineering

Amol, Iran
Sept. 2001 - Jul. 2004

Shomal University *Amol, Iran*

Bachelor's degree in computer hardware, computer engineering *Sept. 2004 - Dec. 2006*

Molavi University *Eyvanekey, Iran*

Master of Industrial Management - Operations Research *Sept. 2017 - Sept. 2020*

Languages

English

Level : Intermediate

German

Level : A1

Persian

Level : Mother tongue