# Taha

**PROFESSIONALSUMMARY**

* **Network Administrator with over 6 years of working experience with Cisco products.**
* **Experienced in large-scale enterprise network maintenance and migration with expertise in designing planning, and testing of enterprise LAN/WAN products and protocols.**
* Working experience with **CISCO Switches (2960 | 3560 | 3750 stack | 4000 | 6500 series)**.
* Working experience with **CISCO Routers (2821| 2900 | 3845 | 3700 | 3900 |7341)**
* Configured and managed **Nexus 2k fabric extender, 5K and 7K** switch network at the client’s location.
* **Working experience of Meraki Switches, Firewalls and AP’s.**
* Designing and Implementation expertise of network with routing protocols such as**RIPv2, EIGRP, OSPF and BGP and MP-BGP.**
* **Good knowledge regarding Cisco ASA and Juniper Netscreen FW.**
* **Expertise in large-scale application and network migration of the enterprise network.**
* **Extensive knowledge of WAN optimizers and working knowledge with WAAS, Silverpeak and Riverbed tools.**
* Working experience with **Wireless LAN Controller** (**WLC) and Light Weight Access Point (LWAP)**.
* Good knowledge of WAN technologies such as **Frame Relay** and **MPLS**.
* Good understanding of FW, DMZ zone and Various VPN technologies.
* Working experience with 6500 series switches at layer 2 and layer 3. Implemented 6500 **VSS** for improved efficiency and high bandwidth availability.
* Experienced in gateway load balancing using **HSRP** and **VRRP**.
* Managing Layer 3 filtering using **Distribute-list, ACL, Prefix list and Route-map.**
* Implementation experience of SNMP V2C to V3 migration and trouble shooting.
* Expertise in **creating groups and pruning traffic flow using VLAN, VTP, ISL, 802.1Q.**
* Configuration experience for maintaining loop free topology using **STP, RAPID-PVST** and **MST**.
* Expertise is maintaining stable STP topology using protocols such as **Portfast, BPDU guard, Root guard and UDLD**.
* Aggregating switch links using **LACP** and **PAGP** protocols**.**
* IP addressing and IP address scalability by configuring **NAT/PAT**.
* Good knowledge about spoofing attacks and mitigating them using **DHCP snooping, IP source guard and Dynamic ARP inspection.**
* Upgrading CAT OS and CISCO IOS for switches and routers.
* Experienced working on network monitoring and analysis tools like, **SOLAR WINDS, CISCO works, NETFLOW, RIVER BED** and **Wireshark.**
* Working experience with IP reservation and DHCP management using– **INFOBLOX** and **QIP.**
* Working experience with **REMEDY and Service Now** for ticket change management process.
* Excellent in documentation and updating client’s network documentation using **VISIO.**
* Strong background in Technical support, network and communication infrastructure and desktop administration.
* Self-motivated with ability to quickly comprehend, co-ordinate, organize, analyze, troubleshoot and solve simultaneous complex technical issues.
* Proven record of configuring and troubleshooting network issues in timely manner and maintain the client’s Service Level Agreement.
* Dedicated network engineer with affinity to work as a team as well as perform individually.
* Prior experience working in a 24/7 operational environment to achieve desired project targets.
* Possess excellent communication, interpersonal and presentation skills.

**TECHNICAL PROFICIENCY**

* **IP Devices : Routers**: 2500, 3600, 3700, 7200

**Switches**: 2960X, 2900, 3560, 3750, 4500, 6500, N5K (FCoE), N7K (Nexus)

* **Protocols : Layer 3**: RIPv2, OSPF, EIGRP, BGP, VSS, HSRP, VRRP, ACL, NAT/PAT, TCP/IP.

**Layer 2:**VTP, STP, RSTP, MST, VLANs, PAgP, LACP, 802.1Q, ISL.

* **IPSec/VPN :** PIX to Router, Router to Router, PIX to VPN wildcard client, ASA to ASA, PIX

to PIX.

* **Route filtering :** Distribute-list, ACL, Prefix list and Route-map.
* **Cryptographic :** DES, 3DES, AES, RSA, DSA, SHA, MD5, Diffie-Hellman Key exchange.
* **Security Protocols :** DHCP Snooping, IP Source Guard, Dynamic Arp Inspection, 802.1x and

VACL’s

* **Technologies :** **LAN:** Ethernet, Fast Ethernet, Gigabit Ethernet.

**WAN:** Frame Relay, ISDN T1/E1 (PRI/BRI), PPP, ATM and MPLS.

* **VOIP/Wireless :** Cisco Wireless LAN Controller (WLC), Light Weight Access Point (LAP), Meraki Aps

andCisco IP phones.

* **WAN Optimizers :** Cisco WAAS, SilverPeak and Riverbed.
* **Network management :** CiscoWorks, Solar winds, Riverbed, Wireshark, INFOBLOX, QIP, VISIO, REMEDY.

**PROFESSIONAL EXPERIENCE**

**Harley Davidson, Milwaukee, WI Dec 2014 – Till Date**

**Network Engineer**

* Provided network support for the Data, Voice, Wireless and Security team in maintaining the network. Project task also involved upgrading, replacing and installing new routers and switches and troubleshooting application issues.
* Maintaining network configured with EIGRP and BGP and with cisco switches 2960, 3750 stack, 6500, Nexus 7k and routers 2921, 7200 VXR,
* Configuring new switches and routers as part of WAN migration project in geographically diverse environment
* Working with service providers in setting up MP-BGP MPLS connectivity across multiple facilities.
* Troubleshooting Routing and LAN issues and propose the remediation for minimizing the downtime.
* Configuring VLAN’s, LACP/PAGP port-channels, trunk, STP and NTP for maintaining the Layer 2 architecture.
* Configuring and maintaining Cisco WLC and Access Points.
* Replacing existing wireless network with Cisco AP and WLC with Cloud based solution using Meraki access points.
* Managing the verifying the Silverpeak wan optimization between the sites.
* Setting up of a new remote site will all new Meraki switches and Firewalls and coordinating with the Security team to setup the VPN access with the hub site.
* Configuring switched with SNMP and updating and adding monitoring information of network devices in Solarwinds and Cisco Works.
* Monitoring the utilization report over Netflow.
* Configuring ACS for new devices and upgrading OS when needed.
* Coordinating with ISP vendors like Verizon, Cogent, Level 3 and XO for configuration change, troubleshooting and new circuit installations.
* Providing hands and feet support to Voice team and security team for installation of new VG and FW in the DC and troubleshooting networking issues during the deployment.
* Configuring user phones on the cisco call manager and troubleshoot the Cisco IP phone issues with the users
* Maintaining the documentation and diagrams using Visio for new and existing network changes.
* Raising Change requests, creating project plans, MOP and risk and mitigation plans for all the changes in Service Now.
* Work in a 24/7 environment and co-ordinate with remote teams for smooth and prompt operation of the network.

**NBC Universal, CA August 2013 – Nov 2014**

**Network engineer**

* Working experience as an architect and operation support for designing, implementation and troubleshooting of complex environment consisting of high end switches, routers, firewall. .
* ISSU software upgrade process in the production 6513 Virtual Switching System (VSS) followed by the chassis replacement with 6513 E.
* Designing and expansion of the L2/L3 network in correction centers and filed offices.
* Designing and troubleshooting the MPLS connectivity with EIGRP and MP-BGFP configuration
* Working with security team to troubleshoot the Remote VPN issues on Netscreen or via Junos.
* Deploying new Cisco AP in a Lightweight mode and getting them registered on Cisco WLC.
* Configuring the network to redirect traffic towards cisco WAAS for wan optimization and verifying the acceleration.
* Cisco IP phone configuration and verification of the services.
* Redesigning NTP architecture and implementing the NTP configuration devices to source the timing from correct stratum.
* Upgrading SNMP from V2C to V3 on network device for authentication and privacy while polling the devices using Solar winds.
* Streamlined the process of Network replacement life cycle such as Network assessment, proof of concept, building material, budgeting, procuring, testing and implementation.
* Used NETQOS for monitoring and troubleshooting.
* Coordinating with the field staff for change implementation and troubleshooting complex networking issues.
* Application layer packet analysis using SPAN session and Wireshark.
* Creating HLD and LLD for projects and documenting the changes.
* Proving network support in absence on network operations on a 24x7 basis.

**Birch Communications, Atlanta, GA Jan 2012–June 2013**

### Network Admin

* Provided network support for the large-scale network migration for setting up a new Data center as wellas the DR site. Project task also involved upgrading, replacing and installing new routers and switches at 85 remote sites.
* Monitoring and troubleshooting network issues between client site and 85 remote sites with legacy switches and routers
* Performedand presented network analysis as a part of network migration.Involved in knowledge transfer to vendors and provided them network support as required
* Worked as a single point of contact for the whole migration
* Configuration and maintenance of EIGRP and BGP network on router 7200 and 6500 MLS.
* Configuration and maintenance of 3750 stack and 6500 VSS for improved efficiency of the data plane.
* Configuration and management of NEXUS network in the existing network infrastructure.
* Created LAB setup with 7k and 5K NEXUS switches for application testing.
* Working experience with Riverbed and Silver peak wan optimization tools.
* Knowledge ofJuniper Netscreenand ASA for site-to-site and remote-access VPN connectivity.
* Setting up VLANS and configuring 802.1Q trunk on Fast-Ethernet channel between switches.
* Managing 3750 stack at client location with 802.1x port based security for local users.
* IP address management using web tool INFOBLOX.
* Configuration of SNMP and monitoring traffic using tools such as SOLAR WINDS, CISCO works and RIVERBED
* Managing changes via REMEDY change management ticketing process.
* Creating MOP (method of procedure) for all configuration changes.
* Creating future state network diagram as a part of migration deliverables using VISIO and updating the master document with completion of every wave of migration.
* Interacting with clients and project team on a daily basis for project planning, scheduling and feedback.
* Provided network support on a 24/7 SLA.

**H3 Technologies, Karachi - Pakistan. August 2009 – Nov 2011**

### Network Admin

* Administering clients Network environment and engineering the new requirement as per the project.
* Monitoring and troubleshooting L2/L3 network issues for the client remotely.
* Replacing the switches, switches and cisco Access Point at the client location.
* Configuration and maintenance of 3750 stack and 6500 VSS for troubleshooting user issues.
* Setting up VLANS and configuring 802.1Q trunk on Fast-Ethernet channel between switches.
* Managing 3750, 2960 switch stack used in the environment for supporting user.
* Managing the request for server and user ports activation.
* IP address management using web tool INFOBLOX.
* Monitoring traffic using tools such as SOLAR WINDS, CISCO works
* Managing changes via REMEDY change management ticketing process.
* Creating future state network diagram as a part of migration deliverables using VISIO and updating the master document with completion of every wave of migration.
* Updating Project team on a daily basis for project planning, scheduling and follow-up’s.
* Provided network support on a 24/7 SLA.