



Bahaa Araji
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Professional Summary

- **Cisco Network Engineer** with 6+ years of experience in designing, implementing and maintaining enterprise level data and voice networks.
- Skilled in **identifying and resolving critical systems and network issues**.
- Highly skilled **CCNP** having experience in **Network** Operations in router configurations. Expert Level of Knowledge about LAN, WAN, TCP/IP and OSI models.
- Good understanding of **Network** monitoring tools(Nagios).
- Experience in configuring and implementing Juniper EX4200, EX2200 switches for Layer 2 and 3 network functionality and J-series Routers.
- Good Experience in Perl scripting.
- Strong experience with Statseeker Network monitoring software.
- Expert In implementing and Configuring IPv6 Networks, and also DNSv6 and DHCPv6.
- Strong experience in troubleshooting, implementing, optimizing and testing of static and dynamic routing protocols such as IGRP, EIGRP, OSPF, IS-IS, RIP, BGP.
- Strong experience with Cisco data center products such as Nexus 7K/5K/2K, 7600, 6500 series.
- Expert Knowledge in configuring IP Multicast, RSTP, HSRP and redistribution between routing protocols troubleshooting them.
- Professional experience in configuring and managing of Cisco Unified Call Center Managers, UNITY voicemail system, H323 and SIP voice gateways, and analog gateways for Modem and faxing at the edge.
- Good experience in configuring Cisco Firewalls (ASA, PIX).
- IP Telephony Express deployment on Cisco ISR Gateways UC Products and applications hands on CCM4.0, CUCM5.0, 6.0, 8.0, 9.1, UNITY 4.0, Unity & Unity Connection 7.0, 8.0, 9.1 Presence, IPCC 4.0 & 9.0, CUE, CME 3.0, 4.0, 7.0 on ISR, ISR Voice Gateways & Gatekeeper and Soft Switches.
- Voice Gateway integration with multivendor Legacy switch using FXO, FXS and E1/T1 interfaces.
- H323 Gatekeeper Deployment for multi locations Gateways.
- Qos custom implementation for different enterprise applications and Voice priority
- Good experience with simulators as Spirent, IXIA.
- Experienced in designing, configuring, and supporting large scale **Load Balancer** (F5-BIGIP) networks.
- Experience in administrating **Active Directory, DNS and DHCP**.
- Expert Knowledge in implementing and troubleshooting complex layer 2 technologies such as VLAN Trunks, VTP, Ether channel, STP, MST and PVST.
- Strong Research and Development skills, proven track record of academic and professional achievements.
- Professional in configuring Wireless 802.11 a/b/g/n devices, AAA devices, 802.1x network access control, Cisco Secure ACS (TACACS, RADIUS)

- **Virtual Private network** infrastructure design experience and implementation (VPN).
- Expert knowledge Virtual **Router Redundancy Protocol (VRRP)** for **Network** layer redundancy.
- In-depth knowledge and 6 years hands-on experience on IP Addressing, Subnetting, VLSM and ARP, reverse & proxy ARP, Ping Concepts.
- Expert with network management tools (Packet Capturing softwares).
- Strong Experience and able to relate security terminologies, vulnerabilities.
- Expert knowledge in packet analysis and troubleshooting issues.
- Proficient with Cisco routers (12000, 7200, 3600), Cisco catalyst switches (7600, 6500, 4500) configuration, Installation and management.
- Proficient with Microsoft Office programs including Outlook, PowerPoint, and Visio.
- A positive team player with sound work ethics, excellent interpersonal skills, time management and problem solving ability.
- A highly organized individual who adopts a systematic approach to problem solving, effectively analyzes results and implements solutions

Technical Skills

Networking:	Windows Server 2008 R2, Active Directory, Network Protocols such as TCP/IP, Ethernet, routers, switches, Wireless access points,hubs, network cabling, firewall, IPS/IDS Sensors, Network security, DHCP, DNS, MPLS, troubleshooting network connectivity, Routing and Remote Access configuration, VPN configuration, Remote Desktop, VLAN,IP Routing Protocols –RIP,EIGRP, OSPF, LAN Protocols – Spanning Tree-VLAN-VTP-ISL-DOT1Q Trunking , IOS features-ACL-NAT-PAT-Security-Advanced IP LAN/WAN management.
Routers/Switches:	Cisco 2500/3000/2800 router, Switches: Cisco 6500/4500 Layer 3 Core switches-Cisco 2900/2950/3500 workgroup switches – Cisco Aironet 1200/1250 WAP's, Cisco Firewall ASA
Operating System:	Windows Server 2008/2003 /8/7/Vista/XP Workstation/Server/Windows 9X
Programming	C, Python,Perl

Academic Summary

Education:	Masters in Engineering Technology /Network and Communications GPA : 3.872, University of Houston ,Texas
Patent:	<i>Patent#US20150117458 A1 Location-based network routing</i> <i>(http://www.google.com/patents/US20150117458)</i>
Certifications:	Microsoft Certified Technology Specialist, Active Directory. CompTIA Linux+ . CompTIA Security+. JUNIPER: Enterprise Switching and Routing Specialist (<i>JNCIS-ENT</i>). CCNP Voice. CCNP Routing and Switching. CCNA Security. Advanced Collaboration Architecture Field-Cisco. Unified Communications Contact Center-Cisco.

Implementing Cisco Video Network Devices-Cisco.
Cisco WebEx Solutions Design and Implementation-Cisco.
Designing and Implementing Cisco Unified Communications on Unified Computing Systems.
Troubleshooting Cisco Data Center Unified Computing.
Implementing Cisco Data Center Unified Computing.

Professional Experience

Sr. Network Engineer

Dyonyx, LP

[June 2014- Present]

- Supporting customers running Cisco Voice system(CUCM,Unity & UCCX)
- Installing voice gateways on new sites, configuring MGCP gateways and ISDN voice circuits.
- Installing wireless controller (WLC 2504)and WAPs
- Installing Cisco Switches (3560/3750), Firewalls(ASA5505/5506), Routers(2901/2921)
- Deploying new Cisco SDN and Data Center technologies and products.

Research Assistant

University of Houston

[Sep 2012- Jan 2014]

- Primary responsibilities include researching on Open Flow Protocol and Implementing SDN technology.
- installing and managing a VMware Vcente, VMware ESXI
- Configuring Juniper switches (EX4550), Dell S4810 switches, HP 5900AF switches and HP 3800 switch series.
- Working on IPv6 networks, and implementing IPV6,DNSv6,DHCPv6 on the networking devices and servers.
- Configuring Monitoring tools (Nagios) to monitor the network.
- Programming with Python.
- Creating and Configuring Virtual Circuits between Campuses using OESS software.

Voice Network Engineer

CSC, Lebanon

[Apr2011-July 2012]

Responsibilities

- Primary responsibilities include troubleshooting and supporting client/server, wireless and voice technologies. This includes over 400 Cisco IP telephones, multiple call management and voice applications with more than 50 cisco switches, 20 routers and firewalls in the main branch and in Cyprus, Egypt, Syria, Yemen, and Jordan while developing IT solutions that increases wireless coverage and access.
- Configured and managed Cisco Call Manager, UCCX ,Cisco Unity Connection, Cisco Attendant Console.
- Configured Cisco Routers (2600,2811,3600,3700)
- Configured Cisco Switches (2950 , 2900 , 2650, 2906 Series)
- Created VLAN using trunk link, access link , and creation of VTP mode
- Implemented traffic filters using access-lists and route maps
- Implemented Telnet and SSH
- Configured and implemented IPSEC/SSL VPN
- Configured BGP, EIGRP and OSPF routing protocols for enterprise **Network**
- Maintained complex LAN/WAN **Network** with several VLANs and provided support for routing protocols
- Worked with configuring IP Multicast, STP, HSRP, and GLBP
- Knowledge of LAN, WAN, TCP/IP, UDP and OSI models
- Worked on PIX/ASA firewall.

Network Administrator

Rafik Hariri University (Formerly Known as Hariri Canadian University), Lebanon

[Feb 2009-Apr 2011]

Responsibilities

- Managed comprehensive Cisco routers and switches, wireless, ASA and voice routers, and PBX for the result of optimizing the universities wireless network and IT systems for Hariri Canadian University which comprises more than 10 universities throughout the Middle East and Canada including the Canadian Bureau of International Education, the Canadian International Development University, Capilano College and Memorial University with more than 2,000 active students.
- Designed, Implemented, Optimized LAN/WAN network.
- Designed and implemented a wireless network for efficient wireless mobility utilizing Wireless LAN Controller and Cisco AP.
- Connected satellite campuses with the main campus VOIP and network using Asterisk, PBX, and voice gateways that resulted in saving the university thousands of dollars and increasing the university network security to the highest levels on the switching and routing layers.
- Installed and configured Laptops, Desktops, Docking stations and network printers
- Installed network printers
- Configured Cisco Switches(2900,2950,1900) using VLAN implementation
- Implemented traffic filters using standard and extended access lists
- Troubleshooting Network Issues
- Virtualized work stations using VMWARE
- Managed user accounts using active directory
- Provide support and implementation planning for disaster recovery
- Worked with configuring IP Multicast, STP, HSRP, GLBP
- Configure, troubleshoot, and Performance Tune Cisco routers using BGP, EIGRP, OSPF and IPv6 protocols, NAT/PAT and Generic Traffic Shaping with Frame Relay backup PVCs and EIGRP
- Configured and resolved various OSPF issues in OSPF multi area environments
- Worked with configuring IP Multicast, STP, HSRP, GLBP
- Responsible for upgrading IOS on Cisco routers and troubleshooting **Network** related issues

Intern Network Administrator

AlJolift, Lebanon

[Feb 2007- July 2007]

- Troubleshooting users' network and PC issues.
 - Documenting Network LAN subnets.
 - Administering Cisco Devices (Switches/Routers).
 - Providing periodic recommendation on optimizing the network and software upgrades needed.
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