V. Prabhath

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**SUMMARY**

Network Professional with 8+years of experience in Network implementation, design and troubleshooting.

**TECHNICAL SKILLS**

**Routers:**

* Cisco 1900, 2600, 2800, 2900, 3600, 3800, 3900, 7200, 7600, ASR 1000.

**Switches:**

* Cisco Catalyst 3550, 3750, 3850, 4500, 4900, 6500
* Nexus 2248TP, Nexus 2348TQ, Nexus 5596UP and Nexus 7018

**Firewalls & Load Balancers**:

* Cisco ASA 5515x, 5585x, Cisco Trustsec, SGT, Cisco ISE, IPSEC VPN, F-5 LTM (5000s), Cisco ACE & GSS,.

**Routing:**

* OSPF, EIGRP, RIPv2, BGP, Route Filtering, Redistribution, Route Manipulation, Summarization, Static routing

**Switching:**

* VLANs, Ether channels, VPC, VTP, STP, RSTP, MST, VLAN Maps, HSRP, GLBP, CEF, Port Security, OTV.

**Security:**

* Cisco ISE, Trustsec, 802.1x, Secure Group Tagging (SGT), Transparent Firewall implementation, ASA clustering.

**PROFESSIONAL EXPERIENCE**

**Comerica Bank, Auburn Hills, MI Jan 2015 – Present**

***Network Planning Engineer (LAN/WAN)***

* Designed and implemented campus network for a site with 1500+ employees.
* Installed **Cisco 3850** switch stacks in power shared mode to support voice and data traffic.
* Migrated the entire access layer at the site from catalyst 2950, 3750 to 3850. Configured and deployed 50+ catalyst 3850 switches.
* Configured switches, created BOM for network hardware (switches, SFP’s, network modules etc.), site survey and Bandwidth analysis.
* Designed and implemented collapsed core network for a COLO. Work involved configuring L2 and L3 switches.
* Configured OSPF and BGP on the L3 switches, route redistribution.
* Installed Cisco **ASA 5585x firewall clusters** in the data center as part of implementing Trustsec solution.
* Worked on Transparent firewalls (ASA).
* Implemented traffic enforcement using **SGACL’s**.
* Created **Secure Group Tags** corresponding to the applications and user groups on ISE. SGT’s were propagated using SXP protocol throughout the data center.
* Enforcement was based on SGT’s instead of the IP addresses of the users thereby restricting access to critical application servers.
* Converted 70+ branch sites to **802.1x** closed mode i.e. port based authentication for users and MAB for servers.
* Implemented**OTV** between our data centers and extended L2 connectivity
* Configured **OTV**in unicast mode and extended vlans across the data centers.
* Configured HSRP VMAC filtering to **Localize HSRP** so that the gateways were active for local traffic.
* This implementation also involved **route filtering** on BGP so that both data centers never learned these subnets(routes) back from the other.
* Worked extensively on **BGP** and **OSPF** as part of this project. Configured route-maps, route tags to control route redistribution between BGP/OSPF.
* Project requirement was that site local subnets had to be advertised across the DCI links to the other campus and also through the WAN.
* Designed the solution using **BGP community lists, Route-reflectors, Route-maps** and by **summarizing the subnets on the OSPF ABRs**.
* Tested the solution on GNS and VIRL before implementing it on production network.
* Resolved multiple routing incidents related to OSPF.
* Upgraded from **SNMPv2 to SNMPv3** on **ASA**, catalyst and **Nexus** switches.
* Added new Network devices to **Cisco ACS** for two factor authentication using RSA.
* Configured DNS rules on Global site selector (**GSS**) for load balancing between server farms in the data centers.
* Updated Core network Diagrams using Visio.
* Worked on Security Audit for Swift. Isolated critical business application using SGACL’s and Extended ACL’s on the Nexus 7k switches.

**The Principal Financial Group, Des Moines, IA** **Nov 2011 – Nov 2014**

 ***Network Engineer***

* Deployed and managed new Data Center Fabric with new Fabric Extenders - **Nexus 2148 and 2248**, Fabric Interconnects using **Nexus 5548 and 7010, 7018** switches with F and M series modules and Supervisor 2E.
* Configured and deployed **VDC** and **VPC** between **Nexus 7018** and**Nexus 5548** switches along with FEX 2248. Deployed Horizontal connectivity using **OTV**.
* Proficient hands on experience in configuring Cisco Catalyst 2900,2960, 3560, 3750, 4500, 4900, 6500 series and Nexus 2248, 5548 and 7018 switches.
* Involved in the troubleshooting aspects of complex network infrastructure using the routing protocols like **EIGRP, BGP**.
* Worked on multiple issues like troubleshooting CE side VRFs and routing issues with BGP multi-homing across multiple MPLS Clouds.
* Experience working with 2600, 2900, 3600, 3900, 7200, 7600 series Cisco Routers
* Expertise in Layer-2 Ethernet Switching deployment with technologies like STP, RSTP, PVST, RPVST, inter-VLAN routing and VLAN trunks using 802.1Q. Hands on troubleshooting experience with First Hop redundancy protocol like **HSRP** and **GLBP**.
* Strong working experience on Cisco **ASA 5540** Series that includes rule deployment, configuration using Network & Port objects. Deployment of DMZ.
* Performed load balancing and application level redundancy by deploying **F5 BIG-IP LTM 3900**.
* Involved in the configuration and maintenance of IPSec Site-Site VPN.
* Planned andimplemented network designs, including WAN, LAN, MPLS.
* Actively involved in fault management and change management of the network in order to provide high availability.
* Involved in the design and installation of Branch network systems, also maintained network documentation using VISIO.

**Nuance Communications Inc.Princeton, NJ OCT 2008 - SEP 2011*Network Engineer***

* Responsible for implementing, engineering, & level 2 support of existing network technologies/services &integration of new network technologies / services
* Troubleshooting complex LAN /WAN infrastructure that includes routing protocols EIGRP, OSPF
* Configured and managed Cisco access layer routers and switches.
* Configured new subnets, access lists and route redistribution.
* Supported multi area OSPF implementations.
* Involved in configuration of OSPF Summarization (Summarizing internal and external routes).
* Designed and implemented Cisco 7200, 3600, 2600 Series routers in lab environment to reproduce various issues and test fixes for them.
* Used various BGP attributes and various route-filters such as named access-lists, prefix lists, route-maps to permit or deny routes and to change various attributes.
* Experienced in implementation and troubleshooting knowledge of protocols and technologies, especially in the following: BGP, OSPF.
* Supported various LAN environments consisting of Cisco 6500 switches with sup-720.
* Configured VSS on Cisco Catalyst 6509 switches in order to have redundancy.
* Configured ether channels, trunks, Vlan’s, HSRP in a LAN environment.
* Configured STP for loop prevention and STP protection features.
* Maintenance and Troubleshooting of connectivity problems using PING, Trace route.
* Responsible for performing administration on BGP, OSPF routing protocols.
* Implemented route redistribution between OSPF and EIGRP.

 **Dhanush Infotech (Hyderabad, India)** **Jan2008-Aug2008** ***Junior Network Engineer***

* Upgraded the IOS on 1900, 2900, 3500 series Cisco Catalyst switches and 2500, 2600, 3600 series Cisco routers using TFTP
* Performed network troubleshooting, technical support, and recording of backup operations
* Configured Access List (Standard, Extended, and Named) to allow users all over the company to access different applications and blocking others
* Maintained all servers & network equipment with current stable firmware, IOS images & access control lists.
* Worked on racking and cabling the network hardware.

**EDUCATION**

 Bachelor of Technology in Electronics & Communications Engineering