**Raviteja Guntupalli**

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**PROFESSIONAL SUMMARY**

* **Cisco Certified Network Associate (CCNA)** with over 7 years of working experience with Cisco products.
* Experienced in large-scale enterprise network maintenance and migration withexpertise in **designing planning, and testing of enterprise LAN/WAN products and protocols.**
* Well versed in integrating Windows based systems with other technologies.
* Handling the network infrastructure **LAN/WAN**, migration & configuration of network client workstations.
* Troubleshooting of **LAN** connectivity issues, software and hardware; tracking problem, remediation scheduling and coordination.
* Designed and implemented **VLANs, ISL & 802.1Q VLAN Trunking, VTP, STP** and **RSTP, Inter-VLAN** Routing for campus **LAN** networks and mid-size Corporate Networks.
* Designed and implemented **Spanning-Tree Feature - Port Fast, Backbone Fast, Uplink Fast Loop Guards, BPDU Guards, and Root Guards**.
* Designed, Configured and successfully implemented Port Security for Source based MAC Filtering, **HSRP, VRRP, GLBP**, and **Ether Channel** for network redundancy and load-balancing.
* Extensive Working Experience in Advanced **TCP/IP** Management, **IP Addressing &Subnetting VLSM, Route Summarization, Route Redistribution** and **NAT/PAT.**
* Designed and implemented static and dynamic routing protocols, including **OSPF, EIGRP, IGRP, and RIP.**
* Extensive Experience in Design, implementation and Working Exposure of routed and routing protocols - **RIP ( V1 & V2), IGRP, EIGRP, OSPF, BGP, IS-IS.**
* Configured **BGPv4, BGP Path Attributes**, and Route Reflectors for an ISP transit network.
* Successfully **deployed DIA, P2P Links, Private MAN Connections, PPP, HDLC, Frame Relay (HUB and SPOKE),** and **ISDN** on Cisco Routers over T1 and T3 circuits.
* Successfully Recommended and deployed **Orion – Solar Winds** as Network Monitoring & Health Statistics tools which has in built feature like **SNMP, Alerts, Events, Syslog’s** etc.
* Strong expertise in Network Design, troubleshooting (**Sniffer – Wireshark**), Fine Tuning, Implementation and day-to-day maintenance Activity.
* Good Project Management and Execution skills with maintaining network deliverables within time space domain.

**TECHNICAL SKILLS**

**Routers** : 2500, 3600, 3700.

**Switches** : 2900, 3560, 3750, 4500, 6500.

**Firewalls** : Cisco PIX.

**Protocols :** RIPv2, OSPF, EIGRP, BGP, VSS, HSRP, VRRP, ACL, NAT/PAT, TCP/IP,VTP, STP, RSTP, MST, VLANs, PAgP, LACP, 802.1Q, ISL.

**SAN :** VSAN, LAN free Backup, FCoE,

**Load Balancer :** Big IP F5, Cisco ACE

**Security Protocols :** DHCP Snooping, IP Source Guard, Dynamic Arp Inspection, 802.1x and

VACL’s

**LAN :** Ethernet, Fast Ethernet, Gigabit Ethernet Implement Cisco Secure Access Control Server (ACS) for Tacacs+/Radius

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

**VOIP/Wireless :** Cisco Wireless LAN Controller (WLC), Light Weight Access Point (LAP) and Cisco IP phones

**Operating Systems :** Windows and Linux

**Network management :** Cisco Works.

**WORK SUMMARY**

**Citi Group, Warren, NJ July 2014 – Till Date**

**Network Engineer**

**Responsibilities:**

* Responsible for configuration and maintenance of switches and routers at the corporate data center.
* Configuration and maintenance of the network running on **OSPF, & BGP** at layer 3. Installed a 3700 router for a new internet connection as well as 6500 and 4500 at the core and distribution layer.
* Responsible for Server load Balancing (SLB)
* Configuring remote access and firewall rules using **Cisco PIX**. SDM and ASDM for tunnel configuration.
* Design and implemented **Frame-relay** network with ISDN backup on Cisco 3700 Series Routers.
* Install and configure Routers, Bridges, Terminal Servers and CSU/DSU’s to support WAN links.
* Redistribution of routing protocols and Frame-Relay configuration.
* Implemented **SNMP** on Cisco routers for network management and troubleshooting.
* Reconfigured layer 2 networks for **RSTP** mode and maintained stable STP architecture using the protocols such as **Root guard, BPDU guard** and **Loop guard**.
* Setting up news VLANS and reconfiguring 802.1q trunk on Fast-Ethernet channel between switches. Segregating users traffic for optimal use of available bandwidth.
* Configured link aggregation using **PAGP** protocol over trunk link.
* Resolved Connectivity issues in multi-protocol Ethernet, Token Ring, and FDDI networks.
* Implemented traffic filters on Cisco routers using Standard and Extended access-list**.**
* Network management using **Cisco Works**.
* IP reservation and management using tools such as **QIP**.

**Siemens Healthcare, Malvern, PA** **May 2012 – Jun2014**

**Network Engineer**

**Responsibilities:**

* Worked as part of a team for **Cisco Product Support**. Troubleshooting by providing relevant knowledge base articles and other information. Installation and Configuration of **LAN (Ethernet)/ WAN** set up for Clients. Design, configuration and Installation of **Cisco routers 3600and catalyst switches 6500, 3700**.
* Designed and implemented an IP addressing scheme with subnets for different departments.
* Maintenance and Troubleshooting of connectivity problems using Ping, Trace route.
* Planning and Implementation of **Subnetting, VLSM** to conserve IP addresses.
* Configured **STP** for loop prevention and **VTP** for **Inter-VLAN** Routing.
* Configuration and troubleshooting of **EIGRP, OSPF, BGP**.
* Configuration of **Standard** and **Extended ACLs** for Security.
* Implementation of **NAT** with a pool of 2 public IP addresses.
* Troubleshooting issues and outages on Trunks and Router interfaces extensively.
* Technical assistance for **LAN/WAN** management and complex customer issues.
* Monitor the operability and reliability of the network.
* Configured VPN for the **remote and site-to-site access**.
* Configured Access control list and also configured **Cisco ACS** for **AAA** services using **Tacacs and Tacacs+.**
* Experience in network monitoring tools like **Net flow and Cisco IPS** event viewer.
* Defined and maintained security policies on all Internet-facing edge routers.
* Implemented **TCP/IP** ,**TFTP** and related services like **DHCP/DNS/WINS**
* Used **network sniffer, Cisco works, Optical power meters** and other devices in the lab.
* Documentation of entire site layout, updating and **managing the asset registers** and network or server documentations.

**Allianz Life, Minneapolis, MN Mar 2011 – Apr 2012**

**Network Support Engineer**

**Responsibilities:**

* Primary Duties include 24x7 Level II support for the Network. Providing support to offices all over the State.
* Tested various **EBGP attributes** such as **Local preference, AS-PATH** and extended communities.
* Product testing and support for Access layer switches such as Cisco **4510, 4948, 4507,** distribution layer switches such as **6513, 6509, 6504** and a routed core.
* Implemented L3 Switching: **CEF, MLS,** Ether channel in the network.
* Configuring and troubleshooting **BGP, EIGRP, OSPF and RIP** routing protocols for enterprise network.
* Tested and upgraded **various IOS releases** for various Cisco routers.
* Implementation of the **LAN IP** infrastructure using **L2 / L3** switching, **VLAN, VTP**, **Inter VLANRouting, Spanning tree, Switch ports** (access and trunks) Gigabit Ethernet and truncking.
* Worked on issues related to customer access-lists.
* Replicating customer scenarios in lab for troubleshooting purpose and reproducing the problems in the lab.
* Active monitoring and **LAN/WAN** support.
* Established interactive communication with the end users to understand their day-to-day problems and subsequently provide satisfactory solution in time.
* Provide a daily / weekly / monthly quality score to each agent to improvise the performance.

**Ascena retail, Pataskala, Ohio Oct 2009 – Feb 2011**

**Network Consultant**

**Responsibilities:**

* Trouble shooting LAN issues, and performing changes on Switches, Routers and Netscreen firewalls.
* Configured L3 protocols (IP, BGP, OSPF, EIGRP, IGRP, RIP, ISIS), redistribution, summarization
* Co-Ordinate with the vendors/carriers for any WAN related issues.
* Monitoring and keeping track of the Network traffic analysis through the routers using MRTG.
* Traffic prioritization and shaping done with BGP attributes (Local preference and MED).
* Implemented HSRP between Core switches and backbone router.
* Maintained good Customer Relation Skills & Troubleshooting skills in a production based environment.
* Solely responsible for website uptime maintenance.
* **WHMCS** billing system maintenance, Newsletter sending task.
* IP configuration in **SMTP** server, **DKIM** and **SPF** configuration in Centos Dedicated Server.
* **cPanel** installation on Client’s server, ticket handling responsibility for technical query.
* FAQ update and ticket maintenance, **DNS** configuration for client.
* **RDNS** setup for Email sending task, online webmail panel maintenance.
* Online Customer management system installation: **WHMCS**, **Host bill, Linux CLI** operation
* **VPS** setup using **KVM** slices configuration from third party **VPS** provider for clients.

**PMP Limited, Australia   Aug 2008 – Sep 2009**

**Network Consultant**

**Responsibilities:**

* Performed Troubleshooting and observed directing conventions such **OSPF**, **EIGRP** & **BGP**.
* Involved in composing investigating rules for MPLS VPN.
* Experience with conventions, for example, Frame Relay, IEEE 802.11 and VLAN, OSPF and BGP, DNS, DHCP, FTP, NTP, SNMP, SMTP and TELNET.
* Installed, designed (through CLI & SDM) and oversaw CISCO Routers and Catalyst switches.
* Set up Internet, executing Networking items like Servers, **Proxy servers**, **Switches**, **Firewalls**, Routers.
* Involved in client accelerations and investigating issues identified with integration, STP, VLAN, Trunking, VTP, Layer 2/3 exchanging, Ether channels, Inter-VLAN directing, log messages, high CPU usage and parameters that can debase execution of system.
* Configured VLANS on different impetus switches performed investigating on TCP/IP system issues, Administered **Frame-Relay** and systems.
* Provided specialized backing and issue determination for the LAN and its surroundings by breaking down the issue, recognizing the reason and circumstances of the issues and discovering an answer for the distinguished issue.
* Good knowledge in Configuring **Access Control List** (ACL).

**EDUCATION**

* Master of Information and Communication Technology,Latrobe University, Australia.
* Bachelor of Technology in Computer Science and Engineering, JNT University, India.

**CERTIFICATIONS**

* CCNA
* CCNP (In Progress)