**Ravi Teja Reddy**





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**Summary:**

* Over 8 years of experience in design, development, implementation, troubleshooting and operations of **Network and Network Security Solution**.
* Experience in Layer3 routing and Layer2 switching. Experienced dealing with router configurations like **7k, 5k, 3k, 2k, 3800, 2800 and switches 9K, 6509, 6500, 5060, 4500, 3750, 2900, 3850,4510 and 3500XL series.**
* Strong Knowledge in WAN technologies including **T1, T3, ISDN, HDLC, Point to Point, ATM and Frame Relay**.
* Good knowledge with the technologies VPN, WLAN and Multicast.
* Hands On experience **Cisco IOS/IOS-XR/NX-OS**,**Cisco CRS 1, CRS 3, Cisco NCS6Kand Juniper JUNOS** for configuration & troubleshooting of routing protocols: **MP-BGP, OSPF, LDP, EIGRP, RIP, BGP v4, MPLS.**
* Configuration, Troubleshooting and Maintenance of Palo Alto Firewalls - **PA200** series, **PA3000** series and **PA5000** series.
* Worked extensively on Cisco Firewalls, Cisco PIX **(506E/515E/525**) & ASA **5500(5510/5540/5585**) Series.
* Hands on experience in configuring **Cisco ACE, Netscaler NS1000V, F5 LB**.
* Experience in designing and assisting in deploying enterprise wide **Network Security** and **High availability** solutions for **Next GenerationCisco ASA, Palo Alto, Checkpoint** Firewalls.
* Involved in troubleshooting of DNS, DHCP and other IP conflict problems.
* Experience on designing and troubleshooting of complex BGP and IS-IS routing problems on mock lab scenarios.
* Worked on firewall **CiscoPix525, ASA** and other tools like SNMP, AAA, RADIUS and designed **IPSEC site to Site VPN’s**.
* Migration from **Cisco PIX** to **Cisco Firepower 2100** firewall.
* Migration from **Cisco ASA 5550** to **NextGen Palo Alto 5050** series firewall.
* Hands on Experience with **Checkpoint &Fortigate 600D firewalls.**
* Experience in Configuring and implementing **VLAN, VTP, LAN** switching, **STP** and **802.x** authentication in access layer switches.
* Experience in Physical cabling, **IP addressing**, configuring and supporting **TCP/IP.**

**CERTIFICATIONS:**

* + Cisco Certified Network Associate **(CCNA)**
  + Cisco certified Network professional(**CCNP**)

**CORE COMPETENCIES:**

* **Cisco Routers:** Cisco GSR 12416, 12418, Cisco 7200vxr, Cisco 3640, Cisco 3600
* **Redundancy and management:** HSRP, RPR, NSF/NSR
* **Network Configuration: Advanced switch/router configuration (Cisco IOS access list, Route redistribution/propagation).**
* **Routing Protocols: IGRP, EIGRP, OSPF, BGPv4, MP-BGP**
* **WAN Protocols: HDLC, PPP, MLPPP**
* **Circuit switched WAN:** T1/E1 – T3/E3/OCX (Channelized, Fractional & full).
* **Security Technologies: Palo Alto, Cisco FWSM/PIX/ASDM, Checkpoint NG, Juniper SRX**
* **Physical interfaces:** Fast Ethernet, Gigabit Ethernet, Serial, HSSI, Sonet (POS)
* **Layer 2 technology: VLAN, VTP, VMPS, dot1q, DTP, Spanning-tree, PVST**
* **Layer 3 Switching: CEF, MLS, Ether Channel**
* **Switches: Catalyst 6500, MSFC, MSFC2, 7600, 3700, 3500**
* **Operating Systems: Microsoft XP/Vista/7, UNIX, Linux**
* **Windows Servers 2003/2008 Windows MS-Office.**

**EDUCATION:**

* Bachelor of Technology at Pondicherry University, India, May 2010.

**Client: MICROSOFT, REDMOND, WA. JAN 2018 to TILL NOW**

**Role: NETWORK DEPLOYMENT ENGINEER.**

**Responsibilities:**

* Experience in working with **Nexus 3172PQ/TQ,3048TP 2148, 2248** devices.
* Deployed Nexus 9K core with VPC and 3172 TOR switches.
* Buildout several MPLS/BGP VRFs for multiple clients included implementation of **Nexus 9k,7k,5k and 2k** configuration for integration with UCS and legacy systems.
* Created documents for various platforms including **Nexus 7k, ASR1k** enabling successful deployment of new devices in the network.
* Experience with configuring **Nexus 5000** Fabric Extender (FEX) which acts as a remote line card (module) for the **Nexus 7000**.
* Configuring and troubleshooting **Cisco ASA 5500**, Failover DMZ zoning & configuring **VLANs**, routing protocols, configuring **NAT** with the firewalls as per the design. Configured remote access **IPSEC VPN** on **Cisco ASA 5500** series.
* Configuring and troubleshooting the terminal Servers used for remote connectivity of the devices running at multiple client Locations.
* Working on troubleshooting all **Layer2** and **Layer 3** connectivity issues.
* Worked on Configuring the Security Policy for **MTC** Management VLANs following the standards.
* **Successfully installed Palo Alto Next-Generation PA-3060, PA-5060 firewalls to protect Data Center with the use of IPS feature.**
* **Configured all Palo Alto Networks Firewall models (PA-2k, PA-3k, PA-5k etc.) as well as a centralized management system (Panorama) to manage large scale firewall deployments.**
* Worked on **Layer3** Configuration setup to support **Azure Stack** for the newly build out data centers in multiple locations all over the world.
* Worked on creating **RMA** tickets for the devices that is having issues with initial setup Configuration and replaced the devices onsite.
* Worked on design documents using the **VISIO** tool for the new sites deployed.
* Connect to the brand-new devices through the Terminal Server and configuring the **Nexus 3172TQ/PQ**, **3048TP** Management switch as per the requirement.
* Configuring the **F5** Load Balancer as per the Client requirement. Creating the **LTM & GTM** modules configuration to meet the client Standards.
* Worked on troubleshooting **VIPRION**platform Jumbo support frames on **F5 BIGIP**.

**CLIENT: SYNCHRONOSS, Bridgewater, NJ. AUG 2016 to NOV 2017**

**ROLE: Network Security Engineer.**

**Responsibilities:**

* **Upgrade of existing ASA firewall to firepower and deployment of new Palo Alto firewalls**
* **Deployment of security rules Firepower Policies and to Palo Alto polices**
* **Deployment & troubleshooting of IPSEC site to site VPN issues and fix the issues on call**
* **Upgrade Cisco ASA code from 9.4 to 9.5 in High Availability environment**.
* **Upgraded PAN-Os from 7.0 to 7.1 in Palo Alto Firewalls.**
* **Configure Security Profiles such as Antivirus, Anti malware, Threat Prevention, Vulnerability onto security rules.**
* **Implement URL Filtering on Palo Alto Firewalls and control access to restricted sites.**
* **Configuring and troubleshoot Global protect SSL VPN for work from home users on Palo Alto Firewall.**
* **Configuring Security Policies for Access Control, interzone connectivity, External Access on Palo Alto Firewall.**
* **Configure NAT policies on Palo Alto firewalls as per client requirement.**
* **Implemented Zone Based Firewall and Security Rules on the Palo Alto Firewall.**
* **Panorama firewall management tool to administer Palo Alto 5050 & 3000 device groups.**
* **Fire sight management tool to manage Cisco ASA, Firepower Next gen firewall.**
* **Experience working Juniper T-Series, M-series, MX-Series, J-Series routers.**
* **Configuration and deployment of Juniper EXs and QFX series Data Center switches.**
* Worked on opening the required ports for the application access through the velocity Nework on **Cisco ASA 5545 & 5585** Firewalls.
* Working with Cisco **Nexus 2148** Fabric Extender and **Nexus 9236, 5596, 5545** series to provide a Flexible Access Solution for a datacenter access architecture and provide **Layer3** Network support.
* Working with **BGP, OSPF** protocols in **MPLS** Cloud.
* Excellent knowledge in configuring and troubleshooting **Brocade ADX** load balancer.
* Worked on security Infrastructure for **Laniakea** build out for velocity in the recent project for the vendor Verizon.
* Worked on installing **Cisco Meraki MX64** at Bridgewater Location and troubleshooting wireless related issues.
* Migration of application, server, service groups from **Citrix Netscaler** to **F5**.
* Oversee operating System upgrades on **Citrix netscalers** and migrating the live vips from **NetScaler** to **F5**.
* Have Hands on experience in implementing **F5 BIG-IP** load balancer.
* Creating the partitions on F5 to separate each application traffic and create new **VIPS** as per client request.
* Worked on configuring the **ASR 9000&9900** series routers in place of upgrade road map for Velocity.
* Worked on creating **MOP** for the change **CR** received through work front and document the changes implemented on the Network side.
* Worked on troubleshooting the VPN issues for the newly built site to site or **IPSEC VPN** tunnel between **Verizon** and **Synchronoss**.
* Experience with setting up MPLS Layer 3 VPN cloud in data center and working with BGP WAN towards customer.
* Participated in on call for the memory and bandwidth upgrade for the Velocity core devices.
* Experience with Project documentation tools & network monitoring systems and experience with developing network design documentation and presentations using **VISIO**.
* Assigning IP subnets for the newly build applications in velocity and documenting them in **Gestioip** database.

**Client: LIFELOCK, TEMPE, AZ. AUG 2015 to July 2016**

**Role: Network Engineer / Security Engineer.**

**Responsibilities:**

* **Successfully installed Palo Alto PA 3060 firewalls to protect Data Center and provided L3 support for routers/switches/firewalls.**
* **Researched, designed, and replaced aging Checkpoint firewall architecture with new next generation Palo Alto appliances serving as firewalls and URL and application inspection.**
* **Configured and maintained IPSEC and SSL VPN's on Palo Alto Firewalls.**
* **Implemented Zone Based Firewalling and Security Rules on the Palo Alto Firewall.**
* **Experienced in handling and installing Palo Alto Firewalls.**
* **Handle Incident tickets & Service requests related to Cisco ASA & Palo Alto firewall & VPN along with the connectivity issues and provide support when any issue pops up.**
* **Configuring rules and Maintaining Palo Alto Firewalls & Analysis of firewall logs.**
* **Implemented Zone Based Firewalling and Security Rules on the Palo Alto Firewall.**
* **Responsible for Migration from legacy Cisco ASA firewall to Palo Alto Firewall**.
* **Experience with working on firewall series like ASA5510, 5520, 5550.**
* **Experience with working on Juniper Routers like, M320 and MX80, MX960, MX480.**
* **Experience with working on juniper switches like EX2200, EX2500.**
* **Involved in Policy Management and changes in Juniper SRX firewall.**
* **Administration and troubleshoot of Juniper SRX 3000,4000,5000 series firewall.**
* **Experience working on Juniper SRX, Net Screen, Screen-OS.**
* In-depth knowledge and hands-on experience in **Tier II ISP Routing Policies, Network Architecture,IP Subnetting, VLSM, TCP/IP, NAT, DHCP, DNS, FT1 / T1 / FT3 / T3 SONET POS OCX / GigE** circuits, Firewalls.
* Worked on **Layer 2** protocols such as **STP, VTP, RSTP, PVSTP+, MST** and other VLAN troubleshooting issues and configuring switches from scratch and deployment.
* Worked on Nexus-OS upgrades **VDC, VPC, VRFs**.
* Experience on designing and troubleshooting of complex **BGP and OSPF** routing problems.
* Decommission serial T3 circuits and replace with MPLS circuits. MPLS cloudservices were provided by carriers ATT, Verizon or Level 3.
* Oversee load balancer intrusion detection upgrades and migration with **F5 BIGIP10+**, **Brocade ADX 12.4+**, Cisco CSS, Alert Logic, with Cloud Hybrid solutions.
* Involved in designing and applying **QOS**and policy map to 2800 series routers for all the branches.
* Involved in the configuration & troubleshooting of routing protocols: **MP-BGP, OSPF, LDP, EIGRP, BGP v4**. Configured IP access filter policies.
* Troubleshoot **TCP/IP** problems, troubleshoot connectivity issues.
* Experience in design and implementation of new branch test and turn up.

**Client: GILEAD, FOSTER CITY, CA. OCT 2014 to JULY 2015**

**Role: NETWORK ENGINEER.**

**Responsibilities:**

* Experience in configuring routing protocols like **EIGRP, OSPF & BGP** and Cisco ACS protocols like **RADIUS** and **TACACS**.
* Spearheaded meetings & discussions with team members regarding network optimization and regarding BGP issues.
* Experienced in WAN environments, installing and troubleshooting data circuit problems (MPLS, T1).
* Experience in Cisco 7200, 7600 routers, Cisco 2800, 3700, 4510 series switches: Physical cabling, IP addressing, Wide Area Network configurations (Frame-relay and ATM).
* Experience in replacing WAN routers due end of life project, and during the process I did convert from cisco 6500 WAAN router to ASR 1002,1004 with gigabit and OC3 modules for different campus designs.
* **Design and Configuring of OSPF, BGP on Juniper Routers (MX960, MX480) and SRX Firewalls (SRX240, SRX550).**
* **Configured Juniper MX480s, EX8200s, EX4500s, EX4200s, from scratch to match design.**
* **Experienced with Juniper: EX-2200, EX-4200, EX-4500, MX-480, and M Series, SRX210, SRX240.**
* **Implemented antivirus and web filtering on Juniper SRX 240 at the web server.**
* Firewall deployment, rules migrations, firewall administration and converting existing rule -based onto new **Checkpoint** and **Palo AltoNext-Generation Firewall** platforms.
* Experience with converting **Checkpoint** VPN rules over to the **Cisco ASA** solution. Migration with **Checkpoint** and **Cisco ASA VPN** experience.
* Worked on configuration, maintenance and administration of Palo Alto PA3000 Firewall and migrating customers from **Cisco ASA** to **Palo Alto** in **HA** network.
* Had exposure to wildfire using of **Palo AltoFirewall**.
* Successfully installed **Palo Alto Next-Generation PA-3060, PA-5060** firewalls to protect Data Center.
* Involved in designing **L2VPN** services and **VPN-IPSEC** authentication & encryption system.
* Experience in designing, installing & configuring of **Cisco PIX, ASA, Palo Alto firewalls & FWSM** (Firewall service module).
* Evaluate, Analyze & Implement firewall policies to meet business requirements.
* Have Hands on experience in implementing **F5 BIG-IP** load balancer.
* Experience in implementation of **F5 GTM** based on topology load balancing methods.
* Having experience in deploying **BIG-IP F5LTM** load balancers for Load balancing and traffic management of business application.
* Responsible for implementing **QOS**prioritizing **voice** traffic over **data**.
* Implementing & Troubleshooting of T1, MUXES, CSU /DSU and data circuits.
* Experience on designing and troubleshooting of complex BGP and OSPF routing problems.
* Upgrade firewalls in accordance with change management & Document changes to firewalls.
* Experience in migration of Frame-relay based branches to MPLS based technology using multi-layer stackable switch like 6500 series and 2800 series router.
* Involved in design and implementation of Data Center Migration, worked on implementation strategies for the expansion of the MPLS VPN networks.
* Hands on experience with Cisco 3500, 3750, 4500, 6500 series equipment and configuring and deploying and fixing them with various modules like Gig card, VPN SPA card, WIC card
* Cisco IOS experience on 3600/7200 class hardware in complex WAN environment and experience on Cisco OS and IOS on CAT6500 in a complex data center environment.

**Client: IDEA CELLULAR LIMITED, BANGLORE, INDIA. OCT 2012 to JULY 2014**

**Role: NETWORK ADMIN.**

**Responsibilities:**

* Troubleshooting and diagnosis of network problems using IP tools like Ping, Trace route**.**
* Providing technical assistance to LAN/WAN management and complex customer issues.
* Proficiency in Cisco routers and switches (CISCOIOSRecovery) and Cisco Layer 2 switching technology, especially VLAN's, trunking, and spanningtree.
* Experience in Per-VLAN Spanning Tree (PVST) for maintaining instance for each VLAN configured in the network.
* Switching related tasks included implementing VLANS, VTP, STP and configuring on Fast Ethernet.
* Experienced in configuring WAN services (PPP, FR and NAT and private addressing) and LAN services (Ethernet, VLANs, Trunking) on Cisco routers and switches.
* Troubleshooting WAN problems along with the carrier and Providing LAN support.
* Maintaining Network Integrity on LAN and WAN Networks.
* Testing: various EBGP services like ORF, Route reflectors and various path attributes such as MED, Local preference.
* Hands on Experience working with security issue like applying ACL’s, configuring NAT and VPN.
* Settings of the networking devices (Cisco Router, switches) co-coordinating with the system/Network administrator during any major changes and implementation.
* Configured BGP for CE to PE route advertisement inside the lab environment.
* Implemented the concept of Route Redistribution between different routing protocols.

**Client: TEJAS NETWORKS, BANGLORE, INDIA. JUNE 2010 to AUG 2012**

**Role: NETWORK ENGINEER.**

**Responsibilities:**

* Worked in a data center environment and made configuration changes as per (moves/adds/changes) the needs of company.
* Worked on routing protocols like EIGRP and RIP.
* Made configuration changes and maintained Cisco ASA 5500 series.
* Monitored and analyzed network traffic and syslog using tool called RSA envision.
* Troubleshooting and daily reporting event view and syslog files.
* Maintaining Cisco hardware and Cisco IOS upgrade.
* Installation and Configuration of LAN (Ethernet)/ WAN set up for Clients. Design, configuration and Installation of Cisco routers and catalyst switches.
* Routing related tasks included providing Cisco router configuration, providing technical support for Cisco Router configurations and installation for Customer. Configuring routing protocols like RIP, EIGRP and OSPF.
* Switching related tasks included implementing VLANs and configuring ISL trunk on Fast-Ethernet channel between switches.
* Physical cabling, IP addressing, Wide Area Network configurations (Frame-relay, ISDN, ATM).
* Configured VPN for the remote and site-to-site access.
* Configured Access control list and configured Cisco ACS for AAA services using Tacacs and Tacacs+.
* Configured the Cisco 6500, 3700 catalyst switches.
* Experience in network monitoring tools like Net flow, RSA envision and Cisco IPS event viewer.
* Configuring numerous LAN/WAN technologies including leased point-to-point circuits, MPLS, ISDN, various Ethernet speeds/media.
* Knowledge in call routing in a Contact Center Environment
* Involved in the redistribution into OSPF on the core ASA firewall.