**Revanth Kumar**

**Sr. Network Engineer P.no- 732-298-8271**

Qualification Summary:-

* 8 plus years of experience inNetworking& Security, including hands-on experience in providing network& Security design, deployment, support, installation and analysis for a broad range of **LAN / WAN using both Cisco and Juniper**
* Worked extensively on Cisco Firewalls, Cisco PIX **535**& ASA **5500(5512-X &5585-X**) Series
* Experience in working with Cisco **Nexus 7k, 5k, 2k** Switches and Virtual Port Channel configuration.
* Strong knowledge of **TACACS+, RADIUS** implementation in Access Control Network.
* Experience in Designing and assisting in deploying enterprise wide Network Security and High Availability Solutions for ASA.
* Experience working with **Cisco IOS, IOS-XR, NX-OS for** configuration & troubleshooting of routing protocols: **MP-BGP, OSPF, LDP, EIGRP, RIP, BGP v4, MPLS.**
* Experience working **with Juniper JUNOS** version 12 and Version 13 for routing and Switching protocols
* Experience in installing, configuring and troubleshooting of **Checkpoint Firewall and Juniper SSG series.**
* Experience in adding Rules and Monitoring **Checkpoint Firewall** traffic through Smart Dashboard and Smart View Tracker applications.
* Experience in testing Cisco routers and switches in laboratory and deploy them on site production.
* In-depth knowledge and hands-on experience in **Service Provider Routing Policies, Network Architecture,** IP Subnetting, VLSM, TCP/IP, NAT, DHCP, DNS, FT1 / T1 / FT3 / T3 SONET POS OCX / GigE circuits, Firewalls.
* Worked extensively in **Configuring, Monitoring and Troubleshooting Cisco's ASA 5500/PIX security** appliance, Failover DMZ zoning & configuring VLANs/routing/NAT with the firewalls as per the design.
* Knowledge of implementing and troubleshooting complex layer 2 technologies such as **VLAN** Trunks, VTP, Ether channel, **STP, RSTP** and **MST**. Implementation of **HSRP, VRRP** for Default Gateway Redundancy.

**Core Competencies:-**

* **Circuit switched WAN**:T1/E1 – T3/E3/OCX (Channelized, Fractional & full).
* **Packet Switched WAN**:ATM, FRAME RELAY, MPLS VPNs
* **Security Technologies:** Cisco FWSM/PIX/ASDM, Nokia Checkpoint NG, Juniper SRX
* **Cisco Routers:** Cisco GSR 12416, 12418, Cisco 7200vxr, Cisco 3640, Cisco 3600, Cisco 2900, 3900
* **Redundancy and management**:HSRP, RPR, NSF/NSR
* **Physical interfaces:** Fast Ethernet, Gigabit Ethernet, Serial, HSSI, Sonet (POS)
* **Switches: Catalyst 6500, MSFC, MSFC2, 7600, 3700, 3500**
* **Operating Systems: Microsoft XP/Vista/7, UNIX, Linux(Redhat), MAC, Windows Servers 2003/2008**
* **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**
* **Layer 2 technology: VLAN, VTP, VMPS, ISL, dot1q, DTP, Spanning-tree, PVST**
* **Layer 3 Switching: CEF, MLS, Ether Channel**
* **QOS: CBWFQ, LLQ, WRED, Policing/Shaping.**

**Education & Credentials: -** Bachelor of Engineeringfrom OU, India in 2007.

**Certifications:-**

* Cisco Certified Network Associate (CCNA)
* Cisco Certified Network Professional (CCNP)
* Juniper Networks – JNCIA

**Professional Experience:-**

**Microsoft, Redmond,WA Apr 2015-Present**

**Network Incident Analyst**

* Working on **trouble tickets and monitoring consoles** to gather information about network issues and work towards their resolution.
* Proactive Network Remediation and break fix.
* Break-fix activities including device or component replacements, traffic offloading and load balancing, working with multiple vendors to analyze unexpected behavior of network devices, and to resolve complex cases.
* Troubleshooting multiple types of high capacity **WAN links involving MPLS LSPs, MPLS VPNs and IPsec VPNs.**
* Working on network investigation tickets involving network issues that are not captured by **monitoring consoles that require detailed investigation and troubleshooting.**
* Analyzing packet capture to drill down and to find **the root cause of latency related** and other strange application behavior.
* Experience in network security and firewall issues on Checkpoint NGX R71 and Cisco ASA devices
* Involved in configuring **Cisco pix firewall**.
* Involved in configuring **checkpoint firewall**.
* Involved in smart view tracker to check the firewall traffic.
* Monitoring availability of the **entire client Data Centers across the globe using Keynote.**
* Network maintenance work such as hardware and software upgrades with little or no impact to the clients network.
* Created TSG’s and SOP for Other operational teams.

**Environment:Juniper MX960 series,F5 BIG-IP LTM, Cisco 2948/3560/4500/3560/3750/3550/3500/2960 6500 switches and Cisco 3640/12000 /7200/3845/3600/2800 routers , Cisco Nexus 7K/5K.**

**AT&T,Redmond,WA Jun 2014 – Mar 2015**

**Datacom Engineer**

* Responsible for the **installation, configuration, maintenance and troubleshooting** of the company network. Duties included monitoring network performance using various network tools to ensure the availability, integrity and confidentiality of application
* Implemented **TCP/IP** and related services like **DHCP/DNS.**
* Responsible for turning up **BGP peering** and customer sessions, as well as debugging **BGP** routing problems.
* Provided Load Balancing towards access layer from core layer usingF5 Network Load Balancers.
* Managed the**F5 BigIP GTM/LTM** appliances to include writing iRules, SSL offload and everyday task of creating WIP and VIPs
* Configured Security policies including **NAT, PAT, VPN,** Route-maps and **Access Control Lists.**
* Hands on Experience with **Juniper MX960 Series.**
* Experience on policy based access logging using **Blue Coat Firewall**.
* Hands on Experience with **Blue Coat Proxies.**
* Undertook troubleshooting of network connectivity problems and day-to-day operations.
* Having knowledge on **OSPF & BGP Routing protocols.**
* Developed maintenance and operating standards for computer hardware and software.
* Experienced with physical layer interfaces and cabling standards.
* Planned and implemented IP address schemes and subnet masks.
* Patch and test cables for new and existing sites.
* Troubleshooting and supporting multiple OS and hardware environments.
* Maintained detailed time based incident logs and technical checklists.
* Responsible for documenting network related issues.
* Extensively worked on **F5 load balancers & F5 firewalls**.
* Hands on experience on test tools like **IXLOAD, SPIRENT (Landslide**).

**Environment: Juniper MX960 routers, F5 BIG-IP LTM, F5 AFM, OSPF, BGP, MP-eBGP, Ixload and Spirent.**

**American Tower Corporation, Boston, MA Feb 2013 – Jun 2014**

**Sr. Network Architect**

**Responsibilities:**

* Worked on **F5 LTM, GTM** series like 6400, 6800, 8800 for the corporate applications and their availability
* Experience with converting 6500 to Cisco Nexus in the data centerenvironment.
* Experience with configuring Nexus 2000 Fabric Extender (FEX) which acts as a remote line card (module) for the Nexus 5000
* Implementing new/changing existing **data networks** for various projects as per the requirement.
* Working with **Network Design**and implementation teams on various projects across North America.
* Working closely with **Data center management** to analyze the data center sites for cabling requirements of various network equipments.
* Experience with manipulating various **BGP attributes such as Local Preference, MED, Extended Communities,** Route-Reflector clusters, Route-maps and route policy implementation.
* Deploying and decommission of VLANs on core **ASR 9K**, **Nexus 7K, 5K** and its downstream devices.
* Experience in **network** security in a telecommunications environment
* **Performed OSPF, BGP, DHCP** Profile, HSRP, IPV6, Bundle Ethernet implementation on ASR 9K redundant pair.
* Configured CIDR IP RIP, PPP, BGP, MPLS and OSPF routing.
* Configuring RIP, Static routing, BGP, OSPF on Juniper M and MX series Routers
* Identify, design and implement flexible, responsive, and secure technology services
* Deploying and decommissioning of Cisco Routers, Cisco switches and their respective software upgrades
* Performing the **Firewall ACL** requests change for various clients by collecting source and destination details
* Performing troubleshooting **on slow network connectivity issues**, routing issues that involves OSPF, BGP and identifying the root cause of the issues.
* **Converting CatOS to Cisco IOS Config Conversion on Access, distribution & Core layer switches**
* **Experience working with Nexus 7010, 5020, 2148, 2248 devices**
* Experience configuring Virtual Device Context in Nexus 7010
* Developed Visio Documentation to give complete picture of network design for each building.
* Experience in Configuring, upgrading and verifying the NX-OS operation system.
* Experience with configuring **OTV between the data centers as a layer 2 extension**.
* Understand **the JUNOS platform** and worked with **IOS upgrade of Juniper devices.**
* Configuration and extension of VLAN from one network segment to another segment between Different vendor switches (Cisco, Juniper)
* Configuration & troubleshooting of routing protocols: **MP-BGP, OSPF, LDP, EIGRP, RIP, BGP v4**.
* Implemented DHCP, DNS, IPAM configuration on the servers to allocate, resolute the ip addresses from Subnet.

**Environment:** Cisco 2948/3560/4500/3560/3750/3550/3500/2960 6500 switches and Cisco 3640/12000 /7200/3845/3600/2800 routers , Cisco **Nexus** 7K/5K, Cisco ASA5510, Checkpoint, windows server 2003/2008: F5 BIGIP LTM.

**Paychex, Webster,NY Oct 2011 – Jan 2013**

**Sr. Network Engineer**

**Responsibilities:**

* Wrote IOS and CAT OS upgrade procedures and Pre/Post checks for customer production upgrades.
* Excellent Troubleshooting Skills and Customer Centric approach
* Worked On **UNIX**, Linux, and Windows Platforms and also involved in capacity planning of Network Maintenance.
* Experience with design and implementation of **Data center migration**.
* Data center migration was involved in Access, Distribution and Core layers and WAN Infrastructure
* **Strong Knowledge in working with F5 Load Balancers and their Implementation** in various Networks.
* Actively participated in upgrading fast Ethernet, Layer 3 switched/routed LAN infrastructure from Cisco 3640 to Cisco 2811 ISR routers and switches at access level to 2950, 3550.
* Configured VLANs with 802.1q tagging. Configured Trunk groups, ether channels, and Spanning tree for creating Access/distribution and core layer switching architecture.
* Configuring HSRP between VLANs, Configuring Ether-Channels, Port Channel on 6500 catalyst
* Switches Replace branch hardware with new 2851 routers and 2960 switches.
* Experience working **Juniper** **T**-Series, **M**-Series, **MX**-Series, **J**-Series Routers.
* Experience in working with **Cisco Nexus 5000 series** switches for data center.
* Experience working with **Cisco Nexus 2148** Fabric Extender and Nexus 5000 series to provide a Flexible Access Solution for datacenter access architecture.
* Conversions to **BGP WAN routing**. Which will be to convert WAN routing from OSPF to BGP (OSPF is used for local routing only) which involves new wan links.
* Worked on Extensively on Cisco Firewalls, Cisco **PIX (506E/515E/525**/) &**ASA 5500(5510/5540**) Series.
* Configuring routing protocols **OSPF, EIGRP, RIP, MPBGP, LDP** and **BGPV4.**
* Convert Branch WAN links from **point to point circuits to MPLS** and to convert encryption from **IPSec/GRE** to **Get VPN**.
* Worked extensively in Configuring, Monitoring and **Troubleshooting Cisco's ASA 5500/PIX** security appliance, Failover DMZ zoning & configuring **VLANs/routing/NATing** with the firewalls as per the design.
* **Configured various Router interfaces like ATM interface, T3 & Channelized T1 interfaces**
* Configuring and **troubleshooting CISCO catalyst 6509, 7609, 7613 with Supervisor cards**, Cisco 3640, Cisco GSR 12416, 21418(with PRP and RPR processors)
* Plan Design and assist in deploying enterprise wide **Network Security and High Availability Solutions for ASA.**

**Environment:** Cisco 3750/3550/3500/2960 switches and Cisco 3640/12000 /7200/3845/3600/2800 routers, Cisco ASA5510, Checkpoint, Cisco **Nexus**7K/5K, 2248**/3560/5020/6509**.

**Genspace Inc. Louisville, KY Dec 2010 – Sep 2011**

**Network Deployment Engineer**

**Responsibilities:**

* Upgraded **load balancers** from Radware to F5 BigIPv9 which improved functionality and scalability in the enterprise.
* Managed the F5 BigIP GTM/LTM appliances to include writing iRules, SSL offload and everyday task of creating WIP and VIPs
* Experience in migration of Frame-relay based branches to **MPLS** based technology using multi-layer stackable switch like 6500 series and 2800 series router
* Created engineering configuration, Security Standards, documenting processes and Network documentation using **Microsoft Visio**
* WAN Infrastructure running **OSPF & BGP** as core routing protocol.
* Worked in configuring, Monitoring and Troubleshooting Cisco's ASA 5500/PIX security appliance, Failover DMZ zoning &**configuring VLANs/routing/NATing** with the firewalls as per the design.
* Design and implementation of Networks using TCP/IP
* Configuring RIP, OSPF and Static routing on **Juniper M and MX** series Routers
* Experience configuring Virtual Device Context in Nexus 7010
* Excellent troubleshooting knowledge **on T1, T3, OC-3 and OC-12.**
* Configured egress and ingress queues for ISP facing routers using CBWFQ.
* Generating **RCA (Root Cause Analysis)** for **critical issues of layer1/layer2/layer3/Layer7 problems**.
* Configured **CIDR** IP **RIP, PPP, BGP** and **OSPF** routing.
* Identify, design and implement flexible, responsive, and secure technology services
* Configuration and troubleshooting of Cisco catalyst 6509, 7613 with supervisor cards.
* Tested authentication in OSPF and BGP
* Configured and troubleshoot OSPF and EIGRP
* Work on different connection medium like Fiber and Copper Connectivity
* WAN Infrastructure running OSPF as a core routing protocol
* Follow process & procedures for change & configuration management
* **Experience with Firewall Administration, Rule Analysis, Rule Modification**
* Troubleshoot traffic passing **managed firewalls via logs and packet captures**

**Environment:** Nexus, Juniper, RIP, OSPF, BGP, MPLS, Ether Channels, Cisco 7200/3845/3600/2800 routers, Cisco 6509/ 3750/3550/3500/2950 switches, WAN and Visio.

**Perot Systems, IndiaAug 2008 – Oct 2010Network Support Engineer**

**Responsibilities:**

* Key Modified internal infrastructure by adding switches to support server farms and added servers to existing DMZ environments to support new and existing application platforms.
* Strong knowledge on networking concepts like TCP/IP, Routing and Switching
* Responsible for **service request tickets** generated by the helpdesk in all phases such as troubleshooting, maintenance, upgrades, patches and fixes with all around technical support
* Supporting **EIGRP and BGP** based PwC network by resolving level 2 &3 problems of internal teams & external customers of all locations.
* Designed and implemented **Cisco VoIP** infrastructure for a large enterprise and multi-unit office environment. Met aggressive schedule to ensure a Multi-office reconfiguration project which was successfully delivered
* Configuring **HSRP between the 3845 router** pairs for Gateway redundancy for the client desktops.
* Configure **VRRP & GLBP and VLAN Trunking 802.1Q & ISL, STP, Port Security** on **Catalyst 6500 switches**.
* Negotiate **VPN tunnels** using **IPSec encryption standards** and also configured and implemented site-to-site VPN, Remote VPN.
* Updated the **HP open view** map to reflect and changes made to any existing node/object.
* Handled **SRST** and implemented and configured the Gateways, Voice Gateways.
* Configuring **STP** for **switching loop prevention** and VLANs for data and voice along with Configuring port security for users connecting to the switches.
* **Ensure Network, system and data availability and integrity** through preventive maintenance and upgrade.
* Involved in L2/L3 Switching Technology Administration including creating and managing **VLANs, Port security, Trunking, STP, Inter-Vlan routing, LAN security**.
* Worked on the security levels with **RADIUS, TACACS+.**
* **Completed service requests** (i.e. – IP readdressing, bandwidth upgrades, IOS/platform upgrades, etc)
* Identify, design and implement flexible, responsive, and secure technology services.

**Environment:**Cisco 7200/3845/3600/2800 routers, TACACS, EIGRP, RIP, OSPF, BGP, VPN, Ether Channels, Fluke and Sniffer.