**RAVI**

**PROFESSIONAL SUMMARY:**

* Senior Network Engineer with over 7+ years of practice experience in the plan, design, development, implementation and maintenance of complex network systems.
* Experience in testing F5 BIG IP LTM, WAM, GTM devices and Enterprise manager in laboratory scenarios and deploy on site for production.
* Experience on F5 BIGIP hardware platforms, TMOS architecture with 4.x, 9.x, 10.x including current version 11.x
* Knowledge on TCP/IP Protocol suite, SSL cryptographic protocol and networked applications including HTTP, HTTPS, SSH, FTP NTP, DNS, ANYCAST services and others.
* Experience on SSL offload and implementation of SSL certificates/keys, and web acceleration and TCP Optimization.
* Proficient with the usage of CLI including BIGPIPE, BIGTOP and Shell TMSH.
* Experience using iRule's/classes for enabling customization of application load balancing solutions through the control and direct manipulation of the application traffic.
* Worked on upgrading/Hotfixes LTM and GTM boxes from TMOS version 9.x to10.x, 11.x.
* Experience on migrating legacy systems to newer version of products i.e. 3DNS to GTM 8900s, LTM 51xx, 64xx to 8900(fips and non fips), Viprion.
* Proficient with writing iRules syntax (i.e. updated TMOS 11.x) using TCL language.
* Implemented and configured F5 BIG IP and iRules for application specific e-commerce technology
* Hands on experience with the usage of diagnosis tools like Qkview, Ihealth, iRules and network packet filters.
* Extensive experience in Layer 3 routing and Layer 2 switching and dealt with router configurations like 7200, 3800, & 2800 and switches 6500, 4500, 3750, 2900 and 3500XL series
* Knowledge, design, installation, configuration, maintenance and administration of Checkpoint Firewall R65, R70 version and VPN.
* Knowledge in IPSEC VPN design connection and protocols, IPSEC tunnel configuration, encryption and integrity protocols.
* Experience in the setup of HSRP, Access-Lists, and RIP, OSPF, EIGRP, and tunnel installations.
* Extensive working experience on routing protocols like RIP, EIGRP, IGRP, OSPF and BGP.
* Working experience on VLANS, ether channels and STP, HSRP, VRRP.
* Professional hands on experience in designing cable and wireless networks, structured network cabling such as STP, UTP, coaxial etc., installation and configuration of LAN, WAN and wireless networks with active components such as routers, switches, firewalls, load balancers, access points, repeaters etc. break / fix engineering.
* Experienced in implementing network security protocols L2TP, PPTP, IPSEC, implemented network diagrams using Microsoft Visio, and documented network deployments through the use of Cisco best practices.
* Proficient in the configuration of VLAN setup on various Cisco Routers and Switches.
* Knowledge of OSI model layers 1, 2, and 3, and the network components of each layer along with a working knowledge of the other OSI layers in order to interpret and diagnose network captures.
* Managing and monitoring Access lists and monitoring firewall, dealing with Malware, Spy ware. Knowledge of Secure Platform (SPLAT), Raid and SNMP.
* Quality of Service: Congestion Management and Avoidance, Policing, Shaping, and Link Efficiency.
* Network monitoring and testing from Operation Centre (NOC) from a network management perspective.
* Developed IT strategies, policies and procedures consistent with the businesses strategies and vision while effectively protecting: data integrity, security and limiting liability.
* Extensive Experience of Operating Systems including UNIX, Windows 8/7/XP, Linux.
* Excellent problem solving, troubleshooting, and written documentation skills.
* Ready to relocate.

**TECHNICAL SKILLS:**

**Routing Protocols : RIP, OSPF, EIGRP, BGP**

**LAN Protocols : Ethernet, TCP/IP, CDP, STP, RSTP, VTP, Fast Ethernet**

**WAN Protocols : Frame Relay, PPP, HDLC**

**Application Protocols : SNMP, Telnet, SSH, DHCP, DNS, ARP, HTTP, FTP, TFTP**

**Routers : CISCO 1800, 2600, 2800, 3600, 3800, 7200**

**Switches : CISCO 2900, 3500, 4500, 5000, 6500, Nexus 5000 & 6000**

**N/W Protocols : Sniffer, OPNET and Wire Shark**

**Wireless : 802.11a, b, g, n, APs**

**Security : Cisco ASA, VPN, ACL**

**Application Layer : FTP, HTTP, DNS, DHCP, SMTP, SNMP**

**Tunneling Protocols : L2TP, IPSec, PPP, MPLS, IEEE 802.1Q**

**Load Balancers : F5**

**Languages : C, C++, JAVA**

**Documentation : MS Office, Visio**

**PROFESSIONAL EXPERIENCE:**

**Client: Wells Fargo, Des Moines, IA Jan’15 – Present**

**Sr. Network Engineer**

**Responsibilities:**

* Design, Build, Implement various solutions on F5 LTMs and GTMs
* Worked on F5 LTM series 6400, 8800, 8900 and GTM 8900 series for the corporate applications.
* Experienced in configuring and troubleshooting F5 OS version 9.x, 10.x and 11.x.
* Create Virtual IP address, Pools and Persistence profiles, updating the SSL certificates across the F5 devices
* Proficient in using the iRules for redirection of HTTP based traffic to HTTPS traffic, HTTP acceleration iRule, HTTP header-insertion and modification.
* Involved in creating and updating the F5 wide IP configurations using various load balancing methods.
* Experience in dealing with Bigpipe commands, Bigpipe configurations, and command line tools like Tcpdump, Qlikview, Bigtop and Bigstart
* Configured Routing protocols such as OSPF, BGP, static routing and policy based routing.
* Team member of Configuration of Cisco 7206 router with VPN and Configuration of Catalyst switches.
* Worked with Cisco Virtual Switching System (VSS)
* Worked on the redesign and upgrade of the corporate/datacenter backbone to 10G DWDM on Cisco ONS and Nexus Class infrastructure.
* Layer 3 switch configuration to transport Layer 2 VLANs from node B to Central office over Backhaul MAN comprise with Cisco ONS 15454 Transport nodes.
* Implementation and Proactive Monitoring of MPLS (MPLS-VPN), QoS (Layer2 and Layer3) and BGP technology.
* Involved in Configuring and implementing of Composite Network models consists of Cisco7600, 7200, 3800 series and ASR 9k, ASR 5k, ASR 5500 boxes GSR 12K routers and Cisco 2950, 3500, 5500, 6500 Series switches.
* Successfully completed set-up and configuration of Cisco routers and switches for remote locations.
* Troubleshooting for all kind of Routing issues as well as multicast issue on Cisco routers.
* Migration of the network infrastructure from Catalyst Switches 6500 Series to Nexus 7000
* Installed and tested Cisco router and switching operations using OSPF routing protocol, ASA Firewalls, and MPLS switching for stable VPNs.
* Drive the troubleshooting process of Metro Ethernet, Frame Relay, and MPLS circuits as an intermediary between customers and carriers
* Worked on Heterogeneous networks such as Frame Relay, Ethernet, Fiber, etc.
* Prepared Check Point firewall configurations for conversion to Cisco ASA 5585-series firewalls.
* Primary Network Security Engineer for Fiserv Firewall/VPN Support and Management on Checkpoint (Crossbeam), PIX, ASA
* Manage day-to-day operations and configuration of Check Point firewalls
* Manage project task to migrate from Cisco ASA firewalls to Check Point firewalls
* Redesigned Internet connectivity infrastructure for meeting bandwidth requirements.
* Configured HSRP and VLAN trucking 802.1Q, VLAN Routing on Catalyst 6500 switches.
* Optimized performance of the WAN network consisting of Cisco 3550/4500/6500 switches by configuring VLANs.
* Experience with hardware load balancer administration and support, preferably with F5 and Cisco CSS load balancers.
* Troubleshoot and solve network systems issues involving Cisco switches and routers.
* Configured VLANs with 802.1q tagging. Configured Trunk groups, ether channels, and Spanning tree for creating Access/distribution and core layer switching architecture.
* Configured, monitored and troubleshoot Cisco's ASA 5500, failover DMZ Zoning.
* Configured BPDU Guard, port-fast, uplink fast and other spanning tree features.
* Continually monitored, assessed and improved network security along with testing and implementing new security technologies.

**Client: AT&T, Dallas -TX May ’14 –Jan ’15**

**Sr. Network Engineer**

**Responsibilities:**

* Worked on F5 ADC Viprion 2400/2100 Blade series for State Applications.
* Deployed F5 FIPS 5200 series and imported certs from LTM to FIPS device.
* Migrating of the configuration from CSS to F5.
* Experience with addition of rules using Smart dashboard and tracking the traffic through SmartView tracker and SmartLog in checkpoint firewalls. Troubleshoot the issues from CLI using tcpdump and fwmonitor.
* Upgrade ASA firewalls after coordinating with various Agencies and Change Management approvals.
* Design, Build, and Implement various solutions on F5 LTM applications and writing the shell scripts.
* Adding of F5 devices to Orion and Enterprise Manager with version 3.1 for monitoring and backing up the devices.
* Splunk integration with F5 for collecting syslog and ASM Logs.
* Create complex iRules using TCL language for URL redirections, HTTP header modification, logging client IPs based on application requirements.
* Upgrading the F5 to latest Hotfix as soon as they released.
* Deployed F5 GTMs and maintain day to day operations by creating/modifying Wide IPs with various load balancing methods like Global Availability, Topology and Round Robin.
* Configured and monitor ASM Policies by interacting with application architects and developed standards from operations perspective.
* Assisted different application owners about the various configurations that can be achieved through F5 technology.
* Configured and deployed ASA firewalls 5585 and managed the devices. Installed policies and configured NATs,VPNs(site to site and IPSec).
* Provide level 3 troubleshooting and on call support for load balancing and firewall issues.

**Client: Ford motors, MI Feb’13 –May ’14**

**Network Engineer**

**Responsibilities:**

* To ensure that the day-to-day Security Operations runs smooth. Change management and 3rd level Incident management being the primary responsibility, participate directly as well as take escalations from the team members as and when required.
* Change Management: Need to make sure that all the change designs and implementations are completed and tested as per the schedule required by the customers.
* Deployed BIG IP Enterprise manager to cluster all the F5 LTM, GTM devices for easier management and common configurations
* Worked on building the LTM boxes with initial setup configurations like Trunks, VLAN,
* static and floating IP allocation
* Worked on Migrating legacy LTM i.e. 5100, 6400 to 8900s (FIPS and Non FIPS) and 3dns to GTM 8900s as part of refresh project in DMZ/Internal network.
* Decommission all legacy devices and insure all systems in the environment have been cleaned up.
* Writing the configuration script from 9.x version to 11.x version and troubleshooting issues.
* Handling SSL offloading issues, HTTP monitors, and DNS allocation for the newly built
* applications
* Involved in iRule management like loading rules, writing iRule syntax using TCL language and iRule extension to TCL
* Worked on configuring/modifying load balancing options & features to include
* OneConnect, Persistences, SSL offload functions, HTTP profiles, etc. Virtual servers,
* POOLs, TCP profiles, updating and renewing SSL certificates with SAN certs as required

and applying standard iRules as needed.

* Worked on LTM Inbound SNAT configurations and outbound NAT server to IP mapping.
* Dealt F5 GTM solutions, including WideIP and Pool Load Balancing Methods, probers and monitors.
* Dealt with F5 IHealth reports and Payoda AppviewX self-service application.
* Creating and maintain high quality installation guides, standards documents, diagrams, run books and other engineering documentation.
* Knowledge of designing, coding, and troubleshooting iRules and iControls.
* Managed network IP allocations using QIP, and SSL certificates using Venafi.
* Deployment of network and/or server hardware within both corporate IP Networks and
* DMZ security Firewalled Zones, including design, specifying requirements, and troubleshooting network connectivity, routing, and firewall rules.

**Blue Cross Blue Shield, Dallas - TX Sep’11 –Feb’13**

**Network Engineer**

**Responsibilities:**

* Maintaining the Network Infrastructure, Installation, migration and configuration of routers and switches for clients.
* Provide alternative means from dial-up connection to bring down the damage or loss that occurs for the client.
* Systems Integration in Wide Area Network using Cisco Routers, Switches, and access servers over E1 leased Lines and ISDN.
* Involved in updating the F5 based 3DNS for the DNS based loading and updating the Wide IP list on the box as per the request from the business based on the application need.
* Interact personally with local and central Telecommunication exchanges to install a data circuit for customers requesting leased Line connection.
* Routing Protocols (RIP, RIP V2, IGRP, EIGRP, OSPF), VLANs, LAN, WAN and Ethernet.
* Frame Relay, ISDN, PPP, HDLC, Network Troubleshooting using CLI Show commands, PING, Trace route, telnet.
* Responsible for providing Network diagrams using Visio or Excel
* Interacted with internal clients to resolve basic help desk connectivity issues.
* Monitoring and keeping track of the Network traffic analysis through the routers using MRTG.
* Maintained good Customer Relation Skills & Troubleshooting skills in a production based environment.
* Involved in group & individual presentations to corporate clients about the company’s internet based products like leased lines and modular routers. Tuned up the performance of the applications.

**Dhruva Techno Solutions, Hyd - India July ’08 – Sep ’11**

**Jr. Network Administrator**

**Responsibilities:**

* Involved in designing VPN architecture with IPSEC, VPN-Services, RADIUS-Servers, IP-addressing and IAS log viewer of the end user
* Deployment of OSPF dynamic routing NOC engineering network routers, previously running RIP and Static routes
* Closely monitor VPN service functionality based on two Cisco PIX 525 Firewalls and VPN accelerator card for high speed services
* Monitoring the Network condition using SNMP protocol about the WAN connection, Switch status, printer server, and controlling projectors and other equipment remotely and used FIX protocol for finance transactions
* Have good theoretical knowledge on QOS with queuing like WFQ, WRR and DWRP and Multicasting
* Worked on IGRP and EIGRP implementations for client on global locations and interacting with them about the circuit status
* Installed operating systems, applications, service packs etc.
* Install and configure servers, desktops and networking equipment.
* Perform maintenance tasks on systems and printers such as changing cartridges and check for computer problems.
* Troubleshoot network, Internet and email problems for users.
* Used Wireshark to analyze the networks.
* Troubleshoot hardware problems with network cards, video cards, sound cards, motherboards, modems etc.
* Provided comprehensive desktop and network support, resolving technical issues for over 300 general public end-users from diverse socioeconomic backgrounds and cultures.
* Assisted with installation, maintenance and troubleshooting of network support equipment
* Auditing and updating DNS entries for all servers, and also updating server inventory database.
* Worked with switches to map IP addresses with MAC addresses and updating all switching ‘host information’
* Extensive wiring experience. Wired multiple offices.
* Handling of hardware and software problems.
* Managed Logistics, tracking and parts ordering.

**EDUCATION:** Bachelors in Electricals from JNTU, INDIA