**Kiran G**

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**Summary:**

* 5+ years of experience in the industry, this includes expertise in the areas of Routing, Switching F5 Load balancing and Firewalls.
* Experience working on **Juniper, Extreme, CISCO, and HP** networks in an enterprise environment.
* Good understanding of networking concepts such as routing protocols, VLANs, IP address management, and network security.
* Responsible for the installation of Operating System, application software, assembling & General fault finding of software, & hardware
* Understanding of wire line and wireless data protocol stacks including IPv4, IPv6, TCP, & UDP
* Worked on Cisco 7200, 3800, 3600, 2800, 2600, 1800 series Router and Cisco 2900, 3500, 4500, 5500, 6500 series switch.
* In-depth expertise in the analysis, implementation, troubleshooting & documentation of **LAN/WAN** architecture and good experience on IP services.
* Excellent communication skills to interact with team members and support personnel and also can act as a mentor to less experienced personnel.
* Responsible for CheckPoint and **Cisco firewall administration** across global networks.
* Worked on **Cisco Catalyst Switches 6500/4500/3500 series.**
* Policy development and planning / **programming on IT Security, Network Support** and Administration.
* Experience in configuring and Troubleshooting **BIG-IP F5 load balancer LTM.**
* Creating Virtual Servers, Nodes, Pools and **iRules on BIG-IP F5 in LTM module.**
* Experience with Firewall migrations from **PIX firewall to Cisco ASA** and **Juniper SRX firewall appliances**
* Experience in analyzing security logs generated by Intrusion **Detection/Prevention Systems (IDS/IPS), firewalls, network flow systems**, Anti-Virus, and/or other **security logging sources.**
* **Monitor SIEM and IDS/IPS** feeds to identify possible enterprise threats. Actively investigate, respond to and remediate security incidents.
* Experience with **Bluecoat Proxy servers, LAN & WAN management.**
* Experience in working with **Cisco Nexus Switches** and **Virtual Port Channel configuration.**
* Experience with **Checkpoint VSX,** including virtual systems, routers and switches.
* Experience in Network LAN/WAN deployment.
* Experience with **DNS/DFS/DHCP/WINS Standardizations** and Implementations.
* Experience with convert Checkpoint VPN rules over to the Cisco ASA solution. Migration with Cisco ASA VPN experience.
* Sound knowledge of virtual firewalls like checkpoint VSX, IDS, IPS as well as encryption techniques.
* Strong hands on experience on PIX (506, 515, 525, 535), ASA (5505/5510) Firewalls. Implemented
* Hands-on experience with **Cisco (cisco ASA, CHECHKPOINT**), **Juniper (SRX series)** and **Palo Alto Firewalls.**
* Focused on next-gen Data Center architectures, including various fabric approaches such as Cisco DFA, ACI, and SDN.
* Experienced with Juniper JUNOS device configuration like Juniper Router and Juniper switches.
* Worked on Cisco Routers, Active /Passive Hubs, Switches, Juniper SRX firewall, VP.
* Experience working with System Engineering and Linux Operating Systems.
* Experience on project management, implementation, and customer requirements.
* Adept Knowledge on **F5 LTM, GTM series like 6400, 6800, 8800** for the corporate applications and their availability.
* Custom scripts in PHP, Perl, and Power Shell for managing server environment
* Good knowledge and experience in installation, configuration, and Administration of **Windows 2000/2003, HTTP, FTP, DNS, NTP, DHCP** servers under various LAN and WAN environments.
* Adept knowledge in preparing technical documentation and presentations using Microsoft Visio/ Office.

**Technical Skills:**

* **Switches:** CISCO 2900, 3500,4500,5000,6500, Nexus 7k,5k,2k,1k
* **Cisco Technologies**: Working Knowledge on 2500, 2610, 2620, 2811, 3640, 3845, 7206 VXR series routers and 1900, 2900XL, 2950, 3550, 3560, 3750, 4003, 4006, 4503, 4506, 4948 5505, 5509, 6509, 6513 Switches
* **Programming Languages:** C, C++, VB Script, Power Shell Scripting.
* **Firewalls: Juniper** net screen (500/5200) , Juniper SRX (650/3600) , Pix(525/535),

ASA (5520/5550/5580), Checkpoint, Fortigate.

* **Networking Technologies:** **LAN/WAN Architecture**, TCP/IP, Frame Relay, VPN, VLAN, VTP, NAT,

PAT, STP, RSTP, PVST, MSTP, IPAM, DHCP, CISCO, HTTP, **DNS, LDAP**, SNMP etc.

* **Networking Hardware:** Cisco Switches, Cisco Routers, Pix firewalls.
* **Routing Protocols:** OSPF, IGRP, EIGRP, RIP, MPLS, IS-IS, BGP, Multicasting and HSRP.
* **Security Technologies:** PAP, CHAP, Cisco PIX.
* **Internet filtering:** Websense, **Bluecoat proxies**, TrendMicro
* **VPN:** Site to Site, **Remote access**, IPsec/SSL
* **AAA Architecture**: TACACS+, RADIUS, Cisco ACS
* **Network Monitoring:** Cisco Works 2000, Wire Shark, CA Spectrum, **Solarwinds**
* **Network security**: Cisco (ASA, PIX) 5510, ACL, IPSEC VPN, GRE VPN.
* **Operating Systems: Windows 7, Vista, XP, 2000, LINUX, Cisco IOS, IOS XR, JUNOS.**
* **Network Simulators:** GNS3, Packet Tracer.
* **Routers:** CISCO 2600, 2800,3600,3800,7200, Juniper M & T Series, Cisco CRS-1, CRS -3, GSR
* **Capacity & performance:** IXIA, Spirent.
* WAN Infrastructure and Technologies: Leased Line, **ISDN/Dial-Up**, Frame Relay circuits, Metro Ethernet and **HDLC, PPP, ATM, SONET, MPLS, VPN, IPSec-VPN**.
* **Others** : **F5** load balancers, RSA, NAC, SIEM tools, **IPAM**.

**Professional Experience:**

**AT & T**, **Los Angeles, CA**  **Jan 2016 – Dec 2017**

**Network Engineer**

**Roles & Responsibilities:**

* Managed the install, monitoring, and management of vCenter/VMware environment of virtual servers. Setup and manage user accounts and attended to system operations tickets. Managed warranties and software licenses for all department computers to ensure compliance
* Experience with Issue Reproduction like Data Icon Loss, No RSSI, and No Service, IPv4 & IPv6 test cases, Drop Call, Audio Mute test & Data Stall.
* Responsible for re-configuring all Cisco switches, working with the IP control product, troubleshooting any glitches, working with IP Address Management, planning out, but also configuring the networks, and documenting changes in Visio Diagrams.
* Experience of VMware ESXi and VMware Infrastructure
* Administer and provide support for various Systems components including; email, intranet/extranet hosting, Active Directory, DHCP, DNS, DFS, Print Services, MS DFS Backup, on both Linux and Windows environment. Install, upgrade and maintain server hardware, operating systems such as windows server 2003, 2008, 2012 and Linux servers (Ubuntu and centos) as well as software as needed. Execute enterprise deployments of updates, releases, patches and fixes utilizing deployment tools
* The work performed involves SME input and support as an F5 and Cisco ACE load balancer engineer encompassing complete support, day in and day out work on the F5 Application Delivery Controllers (LTM's, GTM's, ASM's, and Cisco ACE modules and 4710 appliances).
* Created and configured LTM and GTM guests on F5 VIPRION 7250 appliances.
* Worked with the client to determine and prepare application flow and functionality network diagrams using Visio.
* Directed the implementation and performance tuning of Windows 2003 Server environment for client's global operations. Delivered a major improvement over old VPN system that catapulted productivity of remote sales force.
* Plan, document and test disaster recovery documentation, including restoring work instructions on restoring AD, DNS, DHCP and virtual and physical server infrastructure using VMware and Net back up's Bare Metal Restore solutions.
* Worked in IP network principles including routing (EIGRP, RIP, OSPF and BGP) and DHCP.
* Designed and configured IPsec VPN tunnels on Palo Alto firewalls to establish remote site connectivity
* Successfully installed Palo Alto firewalls to protect Data Center and provided L3 support for routers/switches/firewalls.
* Performed IP network configuration on Cisco devices, Cisco VLAN principles and configuration.
* Planed and coordinated with other diverse technical and non-technical teams regarding IP network configuration and trouble-shooting.
* Experience with Cisco Call Manager and VOIP systems
* Heavy use and management of IPAM systems, primarily IPControl.
* Experience with Infoblox for delivering enterprise-grade DNS, DHCP, and IP address management
* Configured and designed LAN networks with Access layer switches such as Cisco 4510, 4948, 4507

switches.

* Experience in configuration of VLANS, Trunks and VTP.
* Implemented and manage IP network devices including routers, switches, & working with firewalls, and VoIP teams.
* Experience working with Nexus 7010, 5000 and 2000 Series.
* Worked with outside vendors for the proper design, monitoring, maintenance and configuration of cataloged services.
* Migrated legacy systems to new platforms or perform system upgrades to existing systems.
* Involved in L2/L3 Switching Technology Administration including creating and managing VLANs, Port security, Trucking, STP, Inter-Vlan routing, LAN security.
* Designed, installed, and supported 802.11 Infrastructure including Cisco's 350, 1200, 1300, and 1400 series access points. Performed site surveys and RF propagation testing.
* Configured and managing Remote Access VPN on Cisco ASA Firewall.
* Worked on the security levels with RADIUS, TACACS+.
* Worked on Aruba Wireless LAN Implementation for 11n Infrastructure Across the Corporate Network.
* Dealing with Change Requests and making the required customization changes as per the requirement.
* Worked with RFC Service Management and Monitoring System and Remedy IT Service Management.
* In depth understanding of IPV4, implemented Sub-netting, VLSM and ARP, reverse &amp; proxy ARP, Ping Concepts.
* Configured and troubleshooting of HSRP on Cisco routers.
* Responsible for turning up BGP peering and customer sessions, as well as debugging BGP routing problems.
* Provided redundancy in a multi homed Border Gateway Protocol (BGP) network by tunings AS-path
* Implemented various OSPF scenarios on networks consisting of 7600 routers
* Implemented WLAN Aruba Wireless Access Points and its Controllers at various corporate sites fort 11n Infrastructure and its legacy technologies.
* Configured policy based routing for BGP for complex network systems
* Understand the JUNOS platform and worked with IOS upgrade of Juniper devices.
* Worked with Nortel Meridian PBX and/or Succession Call Server Technology, Alcatel-Lucent Vital QIP, Juniper SSL VPN.
* Helped the network team to install new switches and routers and configure the IOS according to the requirement which included VLAN, OSPF
* Created new security policies in Palo Alto/Juniper NetScreen firewalls and Cisco ASA's.
* Configured VLANs with 802.1q tagging. Configured Trunk groups, ether channels, and Spanning tree for creating Access/distribution and core layer switching architecture.
* Subnetting, EIGRP, BGP, VTP, PaGP, spanning–tree, IP Subnetting, wireless access points, T1 circuits and PIM-SM using auto RP
* Implemented SNMP on Cisco routes to allow for network management.
* Performed regular maintenance on monitoring checks for Microsoft servers
* Verified and updated written documentation
* Collaborated with team members regarding work tickets and their associated resolutions

**Alaska Airlines, Washington Aug 2015 – Dec 2016 Designation: Network Security Engineer**

**Roles & Responsibilities:**

* Experience with all technical aspects of networking design and implementation.
* Management of Cisco ASA firewalls and contexts, rule management, device administration
* Design and Deployment of firewalls at new sites
* Configured Aruba WAP and Wireless controller 66xx/57xx on Cisco Prime, VMWare NSX for proper access of Boingo wireless internet
* Worked as F5 load balancer engineer involving complete support day in and out work on the F5 load balancer LTMs, GTMs, EMs, ASM, and Firepass in Datacenter and remote functions.
* Load Balancing with F5 GTM and LTM across multiple data centers
* Web traffic management
* Configuring and managing F5 ASM (Application security manager). Develop security policies.
* Configuring and administering Viprion (F5) - configuring vCMP guest.
* Assist in the design, implementation and support of building new objects.
* Upgrading OS on F5 devices within the environment
* Management of Checkpoint firewalls, ISS Proventia IDS
* Worked with ASA Firewalls upgrades and build configuration for ASA Firewalls for different versions.
* Designed and implemented Firewall rules for Secure DMZ Project and deployed.
* Worked with IPSEC VPN Tunnels, S2S VPN Tunnels and Any connect VPN Tunnels Configurations and their activities for different partner net companies.
* Building new VPN tunnels and management of existing tunnels with various vendors and customers.
* Deployment of Cisco Security Manager (CSM) and adding firewalls.
* Troubleshoot and knowledgeable of ASR9K routers, which is a combination of juniper and cisco. L2VPN /L3VPN troubleshooting, BGP, ISIS. Escalating tickets to Tier II Engineers for support once exhausted Tier I troubleshooting.
* Analysis of bugs, threats and upgrade firewalls.
* Management of IPS devices/modules, signature and event analysis.
* WCCP configuration with Websense and URL exception management.
* Coordination with hosting providers like Akamai, Verizon.
* Firewalls standardization, risk analysis, policy formulation.
* Rule base cleanup, auditing and advocate security best practices.
* Used, adjusted, and created PowerShell scripts in SolarWinds.
* Worked with NOC team for solar winds network monitoring, managed IP Address Management (IPAM) and other activities.
* Maintain Cisco ASA 5505-5520.
* Manage Windows 2008 Active Directory infrastructure with Exchange 2007.
* Management of Cisco switches, IDS and Bluecoat proxies.
* Designed different Dashboards for various countries DMZ Visio Diagrams and Monitored through solar winds network monitoring tool and generated weekly monitoring reports for NOC team.
* Created, architect, developed, and installed solutions to complex technical, procedural, and logistical problems.
* Designed, implemented, and test information technology security mechanisms and systems in the context of the networking infrastructure.
* Identifying, testing, developing and implementation of new technologies. Preventing and coordinating responses to security incidents.
* Assisted in creating and developing formal guidelines and policies to ensure appropriate systems support and designs.
* Working with management and cross functional IT staff to provide responsive solutions and options for problems and opportunities.
* Monitoring the development of new standards with TCP/IP and other networking technologies with particular attention to the impact on the networking environment.
* Worked as a consultant to other departments regarding network design and support (meetings, design assistance, support, working with cost and budgeting on projects).
* Completed projects and tasks independently and with **limited direct supervision.**

**Bed Bath & Beyond, Union, NJ July 2014 – Aug 2015 Designation: Network Admin**

**Roles & Responsibilities:**

* Designed 10 gigabit networks using Cisco Nexus 7000 series switches, Checkpoint NGX firewall and Cisco 3800 series routers
* Experience with configuring Virtual Server and Configuring Load balancing methods in F5 LTM
* Support customer with the configuration and maintenance of PIX and ASA firewall systems
* Experience with configuring OTV between the data centers as a layer 2 extension.
* Design, and configuring of OSPF, BGP on Juniper Routers and SRX Firewalls
* 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.
* Perform setup of test scenarios, both hardware and software components, and perform troubleshooting as needed.
* Experience in installing, configuring and troubleshooting of Checkpoint Firewall, Juniper SRX and Palo Alto
* networks using routing protocols such as RIP, OSPF, BGP and manipulated routing updates using route-map, distribute list and administrative distance
* Configured OSPF redistribution and authentication with type 3 LSA filtering to prevent LSA flooding
* Configured OSPF over frame relay networks for NBMA and point to multipoint strategies
* Implementing traffic engineering on top of an existing Multiprotocol Label Switching (MPLS) network using Frame Relay and Open Shortest Path First (OSPF).
* Configured Multiprotocol Label Switching (MPLS) VPN with Routing Information Protocol (RIP) on the customer’s site
* Involved in configuring and implementing of composite Network models consists of Cisco7600, 7200, 3800 9000, CSR-1 series routers and Cisco 2950, 3500, 5000, 6500 Series switches
* Configured Nexus 7010 including NX-OS Virtual Port Channels, Nexus port profiles, Nexus Version 4.2 and 5.0, Nexus VPC peer links
* Managed network IP allocations using QIP Cisco, QIP Alcatel and DSDB.
* Participated in the installation, configuration, and post installation daily operational tasks and configuration of the deployment of Cisco Nexus equipment
* Tuned BGP internal and external peers with manipulation of attributes such as metric, origin and local preference
* Troubleshoot and Worked with Security issues related to Cisco ASA/PIX, Checkpoint, IDS/IPS and Juniper Net screen firewalls.
* Provided technical support, design and implementation of Cisco IVR 8.5.1 and DFS applications
* Worked on FTP, HTTP, DNS, DHCP servers in windows server-client environment with resource allocation to desired Virtual LANs of network.
* Manage a very large DNS environment using Lucent QIP and manual management of DNS for DMZ/External servers
* Responsible for day to day management of Cisco Devices, Traffic management and monitoring
* Installed, configured and set security policies on cisco and checkpoint firewalls, VPN
* Installed, configured and troubleshot Cisco wireless network, Wireless LAN controllers
* Analyzed and tested network protocols (Ethernet, TCP/IP) using Wireshark tool.

**ZEPHYR FINMAN, Hyderabad,India**

**Mar 2012 – June 2014 Designation: Network support Engineer**

**Roles & Responsibilities:**

* Experience in configuring routing protocols like EIGRP, RIP v2, OSPF & BGP and Cisco ACS Protocols like RADIUS and TACACS.
* Executed BPDU Guard, port-fast, uplink fast and other spanning tree features on various layers 2 and layer 3 switches.
* Supporting accounts on implementation and maintenance of DDI/IPAM Servers on various platforms.
* Configured and optimization settings of Riverbed.
* Troubleshooting of Cisco 2900, 3900, 6500, 7500, 7200 Series routers.
* Configured static NAT, dynamic NAT, dynamic NAT overloading.
* Manage a very large DNS environment using Lucent QIP and manual management of DNS for DMZ/External servers
* Back up a Cisco IOS to a TFTP server and Upgraded and restored a Cisco IOS from TFTP server.
* Responsible for implementing, supporting, and maintaining 24x7 network services.
* Coordinated efforts with Engineer’s to ensure all network devices conformed to defined network standards.
* Knowledge of JUNOS platform and worked with IOS upgrade of Juniper devices.
* Configured various Routing protocols such as RIP, OSPF, EIGRP, static routing.
* Provided configuration of STP and Port Security on Catalyst 6500 switches.
* Configure the Cisco CRS-1 Routing System, back out of configuration changes, and restore older versions of a configuration.
* Troubleshooting of Cisco 2800, 2900, 3900, 7200, 7600, ASR9000, CRS and GSR 12k Series routers. Managed network IP allocations using QIP and DSDB.
* Configure the Cisco IOS XR security features in both owner SDR and non-owner SDRs
* Configure legacy route map configurations using the new Cisco IOS XR Routing Protocol Language (RPL)
* Maintaining Core Switches, creating VLANs and configuring VTP.
* Optimized performance of the WAN network consisting of Cisco 3550/4500/6500 switches by configuring VLANs.
* Performed redistribution with OSPF, EIGRP, RIP version 1 and 2 to enable communication with backbone and Configured OSPF for Stub area, Totally Stubby Area and NSSA.
* In-depth expertise in the implementation, optimization, troubleshooting and documentation of LAN/WAN networking systems.
* Worked on a broad range of topics such as proactive monitoring and maintenance, disaster recovery exercises, and core network repairs.
* Provide Support to T-Mobile Wireless clients for network troubleshooting.
* Basic Experience in scripting like Python, Perl and Unix/Linux shell.
* PGW, XGW and SGW configuration on 4G LTE, CDMA, WCDMA network.
* Route configuration and point code checks for System Technician and Network Technician.
* Knowledge and experience of 802.11 a/b/g/n Ethernet standard for wireless Technology.
* Worked with other team members in testing of the network architecture.
* Experience working with JUNOS OS on Juniper Routers and Switches.
* Participated in quality system implementation project.
* Configure wireless routers on enterprise network.