**DINESH REDDY**

**SUMMARY:**

* **7+ years** of experience with **ROUTING, SWITCHING AND DATA CENTER**environment troubleshooting and testing of networking system.
* Configured Cisco routers to support **RIPv1, RIPv2, EIGRP, OSPF and BGP** routing protocols.
* Configured **ACL, CBAC, NAT and QoS**, encryption and other network controls.
* Configuring **Cisco switches** to support LAN and **data center** networks.
* Familiar with **Checkpoint and ASA firewalls**.
* Familiar with **F5's, CSS and DNS technologies**.
* Familiar with **cisco UCS and VMware technologies**.
* Implemented and supported **MPLS, DSL** point to point, internet and VPN networks.
* Experience in reading traces, **Cisco works, HP Openview and NETQoS**.
* Working technical knowledge of current software protocols, and Internet standards, including **TCP/IP**, **EIGRP, DNS, SMTP, FTP, Network, and Security Protocols**.
* Experience with the **Juniper NS-OS**, **ACL's, ipfw, IPsec& Tunneling. Site-to-Site VPN's** and Intrusion detection systems.
* Experience with **network administration** tasks including load balancing via **Cisco IP SLB/GSS/ACE.**
* Hands on experience of firewalls **Cisco PIX** and **Cisco ASA**, **Checkpoint R75**.
* Demonstrated interpersonal, written, and verbal communication skills.
* Configured and administered **Juniper switches and routers (JunOS).**
* Configured and administered network services like DNS BIND with internal and external DNS configurations and **SMTP and Postfix mail services**.
* Designed application mapping and application delivery using **F5 BIG IP LTM**. Configured Virtual IPs and servers on **F5** and associated pool and pool members to it.
* Working knowledge and experience supporting **CRS**, ASR9k, 7600, and 6500.
* Configured security policies including NAT, PAT, and VPN, Route-maps, Prefix lists and Access Control Lists.
* Good knowledge and experience in Installation, Configuration and Administration of Windows Servers 2003/2008, Active Directory, FTP, fsecuri, DHCP, TFTP, Linux OS under various LAN and WAN environments.
* Responsible for designing and deploying various network security & High Availability products like Cisco ASA and Checkpoint Firewall products.
* Extensive experience in WAN Technologies, Switching Technologies along with Failover Mechanisms and Inter VLAN Routing types.
* Strong hands on experience in installing, configuring and troubleshooting of Cisco 7600, 7200, 3900, 3600, 2900, 2600, 2500 and 1800 series routers, Cisco Catalyst 6500, 4500, 3750, 2950 and 3500XL series switches..
* Hands on experience on **Cisco ASA Firewalls, Juniper SRX series, Palo Alto, VPN**, Troubleshooting Skills, Log Analysis and Review, Compliance Audit.

**Certifications:**

* **Cisco Certified Network Associate (CCNA)**
* **Cisco Certified Network Professional (CCNP)**
* **Check Point Certified Security Administrator (CCSA) Certified.**

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Protocols** | RIP, RIP V2, EIGRP, OSPF, IS-IS, IGRP, HSRP, VRRP, GLBP, LACP, PAGP, DNS, SMTP, SNMP, FTP, TFTP, LPD/TDP, WLAN, 802.11/802.11e, WEP, POP3 LADP. |
| **LAN Technologies** | Workgroup, Domain, HSRP, DHCP, Static, VLAN, STP, VTP, Ether Channel, Trunks. |
| **WAN Technologies** | Leased Line, Frame Relay, ISDN, PPP, HDLC, ATM, SONET, Metro Ethernet. |
| **Network Products** | CISCO Routers 1700, 1800, 2500, 2600, 2800. CISCO High End Router 3600, 3800, 7200, 12010. CISCO Switches 1900, 2950, 2960. CISCO Campus Switches 3550XL, 4984 Core Catalyst 4503, 4507 RE, Catalyst 6500/6503/6507, f5 load balancer, |
| **Security & VPN** | PIX 500 Firewall, ASA 5505 Firewall, AIP SSM, CSC SSM, FWSM, Fortigate, CISCO CSM, ACL- Access Control List, IPS/IDS, NAT, PAT, CISCO ACS, Check point, sonicwall, RSA SecureID, pfSense (Linux based firewall) |
| **Authentication** | RADIUS, TACACS+, Digital certificates |
| **Monitoring Tools** | Wireshark, Nmap, Nessus, OpManager, PRTG Packet Sniffer |
| **Servers** | Domain servers, DNS servers, WINS servers, Mail servers, Proxy Servers, Print Servers, Application servers, FTP servers, NTP. |
| **Operating Systems** | Windows NT 4.0 (Desktop/Server), Windows 2000/2003/2008 server, Windows XP/7, LINUX, Solaris, Red Hat, Active Directory, UNIX. |

**PROFESSIONAL EXPERIENCE:**

**Mobiware Inc, Dallas, Texas May 2015 – Till date**

**Sr. Network Engineer**

**Responsibilities:**

* Verified network interface configurations on Cisco platforms such as 7600 and Cisco catalyst switches.
* Worked with VLAN, VTP, STP and RSTP.
* **Implementation and configuration of F5 load balancer Big-IP LTM 6400** load balancers.
* Managed and monitor various network components, including Cisco routers/switches
* Managed Fast Hop Redundancy Protocols (HSRP, VRRP, GLBP)
* Configuration and support of multi area OSPF environment with SPF throttling.
* Performed route-filtering using route-maps and prefix-lists, BGP prefix-lists, ACLs, communities and redistribution.
* Conduct routine hardware and software audits of AIX servers for compliance with established standards, policies, configuration guidelines, and procedures.
* Experience in debugging and troubleshooting the test failures and isolating system OR software issues.
* Provided recommendations to management on changes, upgrades, and new hardware as required.
* Provided support to vendors and application programmers as necessary.
* Performed research and development on new products, technologies, and operating systems as required.
* Generated reports for the team like work completed, auxiliary and call reports.
* Good hands-on usage of test tools such as IXIA tools or Spirent test center.
* Mentoring new team members in day to day activities
* Monitored and Verified network stability before and after carrier maintenance
* Worked with VLAN, VTP, STP and RSTP
* Analyzed Cisco Routers (2600, 2800, 3600, 3800, 6500, 7200, 7600 & GSR 12K series) Switches (3550, 3560x, 4500).
* Experience in Manual testing with writing test cases and creating test design from Requirements and RFC’s.
* Configured, worked and monitored routing protocols OSPF, BGP and EIGRP
* Extensive knowledge of MPLS VPNs implementation using MP-BGP, LDP for label distribution
* Troubleshooted, monitored network performance and resolved performance and connectivity issues.

**Chepusa, Orlando, FL Feb 2014 – Mar 2015**

**Sr. Network Engineer**

**Responsibilities:**

* Installing, Configuring and troubleshooting Cisco Routers (ASR1002X, 3945, 3845, 2800, 3600) and Switches to perform functions at the Access, Distribution, and Core layers.
* Configuring, upgrading and deployment of Nexus 7010, 5596 and 2248.
* Designing, implementing LAN/WAN configurations on Cisco Nexus 5K, catalyst 6500 switches
* Configuring and resolving various OSPF issues in an OSPF multi area environment.
* Implemented, configured BGP WAN routing, converting OSPF routes to BGP (OSPF in local routing).
* Expertise in maintenance of layer2 switching tasks - VLAN, VTP, RSTP, configuration of ether channel with LACP and PAGP along with troubleshooting of inter-VLAN routing.
* Packet capturing, troubleshooting on network problems with Wireshark, identifying and fixing problems
* Implementing, configuring, and troubleshooting various routing protocols - EIGRP, OSPF, and BGP.
* Performing network monitoring, providing analysis using various tools like Wireshark, Solar winds etc.
* Experience working in Datacenter environment, configuration changes as per the needs of company.
* Manage project task to migrate from Cisco ASA firewalls to Check Point firewalls
* Redesigned Internet connectivity infrastructure for meeting bandwidth requirements.
* Configuring, implementing and troubleshooting VLAN's, VTP, STP, Trunking, Ether channels.
* Installing, configuring Cisco Catalyst switches 6500, 3750 & 3550 series and configured routing protocol OSPF, EIGRP, BGP with Access Control lists implemented as per Network Design.
* Experience in configuring, upgrading and verifying the NX-OS operation system.
* Configured and managed Cisco access layer routers and switches
* Provided support for troubleshooting and resolving customer reported issues
* Worked on F5 BIG-IP LTM 8900, configured profiles, provided and ensured high availability.
* Worked on F5 and CSM load balancers deploying many load balancing techniques with multiple components for efficient performance.
* Configured and managed OSPF redistribution and authentication with type 3 LSA filtering and to prevent LSA flooding and also configured OSPF over frame relay networks.
* Designing, configuring, implementing and troubleshooting (LAN) VLAN's, VTP, Spanning Tree (STP), Trunking (dot1q and ISL) and Ether channel.
* Experience with convert Checkpoint VPN rules over to the Cisco ASA solution. Migration with Cisco ASA VPN experience
* Implemented site-to-site VPN in Juniper SRX as per customer.
* Implemented various EX, SRX & J series Juniper devices.
* Implementing and managing traffic engineering on top of an existing Multiprotocol Label Switching (MPLS) network using Frame Relay and Open Shortest Path First (OSPF).
* Configured Cisco 1231 Access points with 5959 and 4941 antennas (802.11/a/g).
* Designing, configuring, implementing and troubleshooting (LAN) VLAN's, VTP, Spanning Tree (STP), Trunking (dot1q and ISL) and Ether channel.

**Environment:** RIP, OSPF, EIGRP, Cisco 2800/2900/3900/7200/7600, ASR9k, CRS&GSR 12k Series routers, juniper SRX 650/3600, static NAT, dynamic NAT, Cisco 3550/4500/6500 switches.

**Fox Studios, Los Angeles, CA June 2013 – Jan 2104**

**Sr. Network Engineer**

**Responsibilities:**

* Worked on Cisco Layer 2 switches (spanning tree, VLAN).
* WAN Infrastructure running OSPF & BGP as core routing protocol.
* Configuration and troubleshooting of Cisco 2500, 2600, 3000, 6500, 7500, 7200 Series routers.
* Tested authentication in OSPF and BGP.
* 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.
* Identified opportunities for implementation of network best practices, particularly F5 load balancer implementations.
* Design and configuring of OSPF, BGP on Juniper Routers and SRX Firewalls.
* Configuration 7609, 7606 with OSPF and catalyst 6505, 4500, 3550 switches with various VLAN.
* Configured and troubleshoot OSPF and EIGRP.
* Planning and configuring the routing protocols such as OSPF, RIP, and Static Routing on the routers.
* Assist the certification team and perform configuration of LAN\WAN technologies such as Ethernet, Fast Ethernet, and Gigabit Ethernet.
* **Implementation and configuration of F5 load balancer Big-IP LTM 6400** load balancers.
* Working knowledge of firewall technologies Palo Alto.
* Experienced in facing the Bluecoat and Palo Alto product lines, up to pre sales type of function.
* Demonstrated experience with Check Point, Cisco, and Palo Alto Networks solutions
* In-depth expertise in the implementation of analysis, optimization, troubleshooting and documentation of LAN/WAN networking systems.
* WAN Infrastructure running OSPF as a core routing protocol.
* Supported nationwide LAN infrastructure consisting of Cisco 4510 and catalyst 6513.
* Deployed the switches in high availability configuration with HSRP.
* Configured UDLD, port-fast, uplink fast and other spanning tree features.
* Support various Series of Cisco Routers like 7200/7600 series.
* Support Complex 6500 /5500 Series Switches.
* Network Monitoring using tools like Cisco Works 2000.
* Worked extensively in Configuring, Monitoring and Troubleshooting Cisco's ASA 5500
* Worked on ASA (5540/5550) Firewalls. Implemented Security Policies using ACL, Firewall, IPSEC, SSL, VPN, IPS/IDS, AAA (TACACS+ & RADIUS).
* Efficient at use of Microsoft VISIO/Office as technical documentation and presentation tools.
* Create and test Cisco router and switching operations using OSPF routing protocol, ASA Firewalls, and MPLS switching for stable VPNs.
* Experience working with Nexus 7010, 7018, 5020, 2148, 2248 devices.
* Performed load balancing and application level redundancy by deploying F5 BIG-IP LTM 3900.

**Environment:** Palo Alto, Cisco ASA 5540/5500,Citrix XenApp 6.5/7.6; Citrix XenDesktop 7.6; Citrix Provisioning Services 7.6 Rip, EIGRP, OSPF, BGP, LAN, WAN, HARP, MPLS, F5 BIG –IP LTM 3900, Nexus 2K/5K/7K, MS Visio, PPP, VLAN, VPN.

**Key Bank, Cleveland, Ohio Feb 2012 – May 2013**

**Sr.Network engineer**

**Responsibilities**:

* Responsible for implementing, engineering, and support of existing network technologies / services and integration of new network technologies / services.
* Troubleshooting of complex LAN /WAN infrastructure that include routing protocols EIGRP, and OSPF.
* Configured and managed Cisco access layer routers and switches.
* Participated in 24 x 7 incident & problem support.
* Migration of existing IPsec VPN tunnels from Pre-Shared key to Certificate Authority for purpose of scaling.
* Knowledge in implementing and configuring **F5 Big-IP LTM**-6400 load balancers.
* Configuring switch for 802.1x port based authentication.
* Implemented QOS using queuing, policing, shaping, compression, and congestion avoidance techniques.
* Maintained and configured cisco ASA firewall 5545 through the use of access control list.
* Experience with convert pix rules over to the cisco ASA solution.
* Maintenance and troubleshooting of connectivity problems using Ping, Trace route.
* Planning and Implementation of Sub netting, VLSM to conserve IP addresses.
* Configured STP for loop prevention and VTP for Inter-VLAN Routing.
* Technical assistance for LAN/WAN management and complex customer issues.
* Performed route redistribution & manipulated route updates using distribute lists, route-maps & administrative distance.
* Creating & applying different types of access-lists for these effects to take place.

**Environment:** Cisco routers 7200, 3925E and 2951E, Cisco catalyst series switches 4507, 3560X and 2950T; and WAE 502, OSPF, BGP, RIP, MPLS, INFOBLOX, VLANs, STP, NAT, Load Balancing using GLBP, Service Now, Sub netting networks.

**Iris Info Solutions, Hyderabad, India Oct 2010 – Dec 2011**

**Network Engineer**

**Responsibilities:**

* Configuring and troubleshooting multi-customer ISP network environment.
* Involved in network monitoring, alarm notification and acknowledgement.
* Implementing new/changing existing data networks for various projects as per the requirement.
* Troubleshooting complex networks layer 1, 2(frame relay, ATM, Point to Point, ISDN) to layer 3 (routing with MPLS, BGP, EIGRP, OSPF and RIP protocols) technical issues.
* Providing support to networks containing more than 2000 Cisco devices.
* Creating Virtual Servers, Nodes, Pools and iRules on BIG-IP F5 in LTM module.
* Configuring all the required devices and equipment for remote vendors at various sites and plants.
* Installing new equipment to RADIUS and worked with MPLS-VPN and TACACS configurations.
* Installing and maintaining local as well as network printers..
* Working on creating new load balancing policies by employing BGP attributes including Local Preference, AS-Path and Community, MED.
* Create/maintain Visio drawings/documentation of network diagrams
* Configure Cisco/Brocade switches/ firewalls (OSPF, EIGRP, BGP) .
* Experience with network encrypters (KIV-7M, KG-175, ect.).
* Network evaluation and Troubleshoot T1, DS-3, OC-3, OC-48.
* Configure, Verify and troubleshoot router operations and routing on Cisco Devices.
* Configure Verify and Troubleshoot Switches with VLANs and inter-switch communications.
* Plan, Implement and Verify Ether-channel based on Business, Technical requirements and constraints.
* Experience with using F5 Load balancer in providing worldwide data and file sharing, continuous internet connectivity, optimized web performance.
* Configuring and implementing F5 BIG-IP Load balancer.
* Work with F5 Load Balancers, good with installing, configuring and troubleshooting.
* Configure redistribution when connecting different routing protocol domains.
* Analyze expanding network and implement wireless communication.
* Implement, verify, and troubleshoot NAT / PAT and ACLs on the enterprise network.
* Configure HSRP to provide router and or switch redundancy at the distribution layer with a greater objective of maintaining Network uptime.
* Configure Port Security, Trunk Port and VLAN Management to prevent unauthorized access to the company core network.
* Establish plans for Network and traffic control using top network monitoring tools such as Solar winds and Cisco Works.
* Configure IP helper to direct DHCP requests.

**Environment**: Cisco 2948/3560/4500/3560/3750/3550/3500/2960 6500 switches and Cisco 3640/12000 7200/3845/3600/2800 routers,CitrixXenApp 4.5/6.5.

[**MTS India**](http://en.wikipedia.org/wiki/MTS_India)**, Hyderabad, India Oct 2008 – Aug 2010**

**Role: Network Engineer**

**Responsibilities**:

* Provide help in installing Internet, Security, Network, Wireless Network, Email client software, installation of Routers and basic computer troubleshooting.
* Logging of calls from customers onto a database and following escalation procedures to resolve problems or issues.
* Working with optical cables couplers, SONET, DWDM and ATM Networking.
* Worked on ACE load balancers. Experience with F5 load balancers - LTM, GTM series like 6400, 6800, 8800 for the corporate applications and their availability.
* Configuration and Administration of Juniper Routers and Switches.
* Worked with F5 Load balancers and Cisco Load balancers (CSM, ACE and GSS)
* Dealing with local network issues like - configuring wired & wireless network, implementing security solutions by designing Firewall, VPN rules.
* Working on Wi-Fi portfolio like Installing and configuring WAP, WLC's for wireless networks and managing the WLAN Ad Hoc.
* Configuring and Troubleshooting Distribution Systems for WLAN connectivity.
* Consistently Highest Performance & Quality Deliverables (CSAT, FCR, Quality, Paid %)
* Maintaining ITS VOICE Infrastructure.
* Analyzing health check reports of their SBCs.
* Creating Network Analysis documents.
* Supported routing protocols for OSPF, EIGRP, and BGP. Network topology design, Network management and monitoring of network traffic for fault tolerant architecture.
* Conduct wireless (Wi-Fi) for local area network (LAN) site analysis to determine, among other things, the number of unique access points, or hot spots of coverage for Wi-Fi network.
* Site analysis of a proposed unclassified wireless (LAN).

**Environment:** VPN, CSM, Fluke, Sniffer, Checkpoint firewalls (SPLAT),EIGRP, RIP, OSPF, BGP, SUP720, Ether Channels, Cisco 7200/3845/3600/2800 routers, Cisco 6509/ 3750/3550/3500/2950 switches

**EDUCATION:**

* **Bachelors In Computer Science Engineering From Jawaharlal Nehru Technological**

**University, INDIA.**