**Krishna Mohan Dasari**

**Senior Network Engineer**

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**SUMMARY:**

* Network engineer with 7 years of experience in Network **Analysis**, **Design** and **Maintaining** Enterprise networks, experiences includes **implementation, Configuration, Troubleshooting**Enterprise Networks
* Extensive experience in **LAN/WAN** technologies, **Routing/Switching** protocols and Wireless Technologies including **TCP/IP** protocol suite and multi-protocol routing in **Cisco** environment.
* Good knowledge and experience in **Installation, Configuration and Administration** of **Windows Servers 2000/2003**, **Active Directory, FTP, DNS, DHCP, TFTP, Linux OS** under various **LAN** and **WAN** environments.
* Troubleshoot, consult and solve issues involving **LAN/WAN** switching and routing technologies such as Load Balancing Using **Port Channels, STP, RSTP, MSTP, VLAN, DHCP, and OSPF.**
* Expertise in configuration of **Cisco Catalyst** Switches of **1900, 2900, 3550,3750,4500,6500,Cisco Routers of 1800,2500,2600,2800,3600,3800,7200,7600** IP addressing
* Configured **Nexus 7010** including **NX-OS Virtual Port Channels**, **Nexus port profiles**, Nexus Version 4.2 and 5.0, **Nexus VPC** peer links.
* Understand vendor strategies and directions for SDN/NFV like Cisco, Juniper, Brocade.
* Evaluate technologies for Managed Services Service Assurance from SDN/NFV standpoint.
* Experience with different Network Management Tools and **Sniffers** like **Wireshark** (ethereal), **HP-Open view**, RSA envision, and **Cisco works** to support 24 x 7 Network Operation Center.
* Basic and advance **F5** load balancer configurations, including migrating configurations from **Cisco ACE** to **F5** and general troubleshooting of the F5 load balancers.
* Experience in troubleshooting both connectivity issues and hardware problems on Cisco based networks.
* Configuring **VLAN**, **Spanning tree**, **VSTP, SNMP** on **EX** series switches.
* Configuring **RIP, OSPF** and Static routing on **Juniper M** and **MX** series Routers.
* Design and configuring of **OSPF, BGP** on **Juniper Routers (MX960, MX480) and SRX Firewalls (SRX240, SRX550).**
* Experience in installing and maintaining inventory of Computers hardware, software and licenses.
* Work experience with **Palo Alto Firewalls** &**Checkpoint Firewalls**
* Expert level knowledge in **Windows and Unix servers** and **VMware management**
* Experience in technical documentation with change management using various Microsoft software (**Visio, Word, Exceletc.**)
* Configure **VRRP & GLBP** and **VLAN Trunking 802.1Q & ISL, STP, Port Security** on **Catalyst 6500** switches.
* Experience in diverse IT disciplines, including networking, technical support, programming, operating systems and system administration
* Dealt with the escalation problems for **Routing, Switching** and **SD-WAN** connectivity issues using ticketing system remedy.
* Strong interpersonal, organizational communication, customer service & presentation skills.
* Excellent customer **management/resolution**, **problem solving** and debugging skills with good **verbal/written communications** and presentation skills.

**CERTIFICATION:**

* Cisco Certified Network Associate (CCNA)
* Cisco Certified Network Professional (CCNP)
* **EDUCATION:** Bachelors in Information Technology,JNT University, INDIA.

**TECHNICAL SKILLS:**

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| **Operating Systems** | Windows (Server 2003/2008, Vista, Windows 7), Linux OS |
| **Routers** | Cisco GSR12016, ASR1001, 2900, 3900, 7200, 7600 & ASR9000 |
| **Switches** | Cisco 3750, 4507, 4510 & 6500 series switches, Nexus 7010, 5548 |
| **Routing** | MPLS, OSPF, EIGRP, BGP, RIP-2, PBR, IS-IS, Route Filtering, Redistribution, Summarization, Static Routing | |
| **Switching** | LAN, VTP, STP, PVST+, RPVST+, Inter VLAN routing & Multi-Layer Switch, Multicast operations, Layer 3 Switches, Ether channels, Transparent Bridging. | |
| **Network security** | Cisco (ASA, PIX) 5510, Palo Alto, juniper, ACL, IPSEC VPN, GRE VPN, NAT/PAT, Filtering, Load Balancing, IDS/IPS | |
| **Load Balancer** | F5 Networks (Big-IP) LTM Module, Cisco ACE 30 load balancer | |
| **LAN** | Ethernet (IEEE 802.3), Fast Ethernet, Gigabit Ethernet. | |
| **WAN** | Leased lines 128k - 155Mb (PPP / HDLC), Channelized links (T1/DS3/OC3/OC12), Fiber Optic Circuits, Frame Relay, ISDN, Load Balancing. Various Features & Services: IOS and Features, HSRP, GLBP, IRDP, NAT, SNMP, SYSLOG, NTP, DHCP, CDP, TFTP and FTP Management | |
| **Network Management** | SNMP, Solar Winds, HP open view, and Wire shark | |
| **Other Tools** | Microsoft (Visio pro.) | |

**PROFESSIONAL EXPERIENCE:**

**Client: Verizon Wireless,NJ Nov 2016 to CurrentRole: Sr. Network Engineer**

**Responsibilities:**

* Designing and implementation of **routing policy** for customers Internet route with optimal Link utilization.
* Responsible for day to day management of Cisco devices, traffic management and monitoring.
* Maintained and configured Cisco enterprise devices such as Cisco 1900, 2811, 2900, 3900 Series ISR Routers, Cisco Switches 2960XR, 3750, 2960, 3560, 4500, 6500
* Performed route redistribution & manipulated route updates using distribute lists, route-maps & administrative distance in configuring and implementing of composite network models consists of Cisco7600, 7200, 3800 series routers and Cisco 2950, 3500, 5000, 6500 Series switches.
* Involved in network upgrades and implementation.
* Principal researcher and outbound industry expert on Carrier IT, including NFV and SDN across all layers of the carrier infrastructure, and the enterprise customers of carriers.
* Conducted Functional & Feature Testing on SD-WAN solutions from Versa Networks and Velocloud.
* Work experience with Palo Alto Firewalls &Checkpoint Firewalls.
* Expert level knowledge in Windows and UNIX servers and VMware management.
* TroubleshootTCP/IP problems, troubleshoot connectivity issues.
* Firewall technologies including general configuration, risk analysis, security policy, rules creation and modification of **Check Point** Gaia **R65, R70 & R77, R77.1, VSX R77**.**1Palo Alto** and **Cisco ASA**.
* Managing support issues directly related to the use, support, and implementation of Network Products like **Routers, Switches,** and **Bridges**.
* Played a key role in Planning, Designing and Implementation of network architecture of **LAN/WAN.**
* Using effective customer skills to ensure the highest level of customer satisfaction through understanding and identifying the customer's complex network.
* Setting up the home network for the customers, which deals with **wireless routers**, pcmcia adapters and access points etc.
* Implemented Zone Based **Firewalling** and **Security Rules** on the **Palo Alto Firewall.**
* Experienced in handling and installing **Palo Alto Firewalls**.
* Establishing the **Virtual Private Network (VPN)** for the Company and allowing the remote user and clients to access the **LAN**.
* Deployed **ASR 9K Routers** with **Cisco IOS-XR** as the Campus Edge Routers in the network.
* Configured **OSPF, BGP** on **ASR 9010 Routers**.
* Configuring and troubleshooting **CISCO catalyst 6509, 7609, 7613** with Supervisor cards, **Cisco 3640, Cisco GSR 12416, 21418(with PRP and RPR processors**).
* Configured routers and coordinated router with LD carriers and LECs to turn up new **WAN** circuits.
* Configuring rules and maintaining**CISCO Firewalls**& Analysis of firewall logs.
* Implemented Zone Based Firewalling and Security Rules on the Firewall.
* Building the **VPN tunnel** and **VPN** encryption.
* Enabled **STP** attack (**BPDU Guard, Root Guard**) using MD5authentication for **VTP**, disabling all unused ports and putting them in unused **VLAN**.Involved in the configuration & troubleshooting of routing protocols: **MP-BGP, OSPF, LDP, EIGRP, BGP v4.** Configured IP access filter policies.
* Involved in designing and implementing **QOS** and policy map to 2800 series routers for all the branches.
* Worked with **ACL** (access control list) requests like add-remove-audits.
* Network **monitoring**, trends, outage tracking, Perform and schedule preventative maintenance and periodic high availability testing on all network equipment.
* Worked extensively in **Configuring, Monitoring** and Troubleshooting **Cisco's ASA/PIX** security appliance.
* Configured various **BGP** attributes such as Local Preference, **MED**, Extended Communities, Route- Reflector clusters, Route-maps and route policy implementation.
* Configuring **RIP, OSPF** and Static routing on **Juniper M** and **MX** series Routers
* Managed fast Layer 3 switched/routed **LAN/WAN** infrastructure as a part of Network team. The LAN consisted of Cisco campus model of**Cisco 3550** switch at access layer, **Cisco 6513/6509Es**witches at distribution/core
* Experience on designing and troubleshooting of complex **BGP and OSPF** routing problems.
* Decommission serial T3 circuits and replace with **MPLS** circuits. **MPLS** clouds were provided by carriers ATT, Verizon or Level 3Configuration and troubleshooting of **Cisco catalyst 6509,7613**switches with supervisor cards.
* Configuring **HSRP** between **VLANs**, Configuring Ether-Channels and Port Channel on catalyst.
* Configuration and deployment of authentication services that interact with the corporate **firewall and VPN**.

**Client:Arvig Enterprises Inc. September 2014- Oct 2016**

**Role: NetworkEngineer**

**Responsibilities:**

* Configured IPV6 bypassing on **LBG, FWG, ARG and ASA** of various locations to reduce the load harmony.
* Worked on **creating firewall access requests**, changes and making changes as per the request
* Worked in a team to install new GGSN’s and **DPC2** upgrade for various locations.
* Configured routing policies, **VLAN**, Access list, policy-map, Crypto key for various BRC’s and BRP’s.
* Configured **HSRP** and **VLAN**trunking 802.1Q,**VLAN** routing on **catalyst 4500** switches and **nexus 7k** switches.
* Configuring, managing and troubleshooting networks using routing protocols like **BGP, RIP, EIGRP**, Static routing and other policy based routing.
* Used XML scripts to configure 200 sites for SD-WAN project.
* Configured Backend routing for SD-WAN project
* Design, and configuring of **OSPF, BGP** on **Juniper Routers** and **SRX** Firewalls
* Implemented changes on existing configurations for the applications on **F5 load balancer**.
* Implementing firewall rules and Nat rules on the firewalls and troubleshooting flows
* Manage day-to-day operations and configuration of **Check Point firewalls**
* Manage project task to migrate from **Cisco ASA** firewalls to **Check Point** firewalls.
* Installations and upgrades for **Cisco Unified Communication** components.
* Developed test plans for security NFV testing
* Developed use cases for security NFV testing
* Configured and performed troubleshooting on link state protocols like **OSPF** in single area and multiple areas
* Configured **Juniper ACX 1100**, **Cisco 3900 & 2900** routers and Cisco **4500 and 3750 catalyst switch** using routing protocols such as **OSPF** and **BGP** also utilized juniper **EX3200, EX 4500, Ethernet switch**
* Assist in creating network design standards for hardware and software. **Developing** and maintain Network Documentation (**Visio diagrams, Excel spreadsheets**, Word documents, etc).
* Worked on **Infoblox** to update the **DNS host**.

**Client: QSSI, MD May 2013-July 2014**

**Role: Network Engineer**

**Responsibilities:**

* Responsible for designing and implementation of customer's **network and Security** infrastructure.
* Involved in complete **LAN, WAN, Extranet** redesign (including IP address planning, designing, installation, pre-configuration of network equipment, testing, and maintenance) in both Campus and Branch networks.
* Assisted with troubleshooting all network issues with routers and switches when necessary and consulted with on call tech as needed for client.
* Validate existing infrastructure and recommend new network designs.
* Installed and maintained **Cisco and Load Balancer** and documentation.
* Manages network device configurations, logical names and addresses, network design and implementation.
* Configured and designed **LAN** networks with Access layer switches such as Cisco **4510, 4948, 4507 switches.**
* Used **Python script** to perform tasks required.
* Has expertise in **LAN/WAN** technologies (fast Ethernet, Layer2 & 3 switched/routed **LAN, and Frame Relay)**.
* Routing Protocols, Networking Layer1, 2, 3 Switching concepts, **LAN/WAN** technologies, Wireless Networking, TCP/IP concepts.
* Participate in development of documentation and training of larger Comcast staff for roll-out of NFV and security functionality with the SD-WAN product.
* Worked with **Cisco** and **Juniper** equipment to troubleshoot various problems.
* Modified router configurations programming with additional **VLAN**s, port assignment.
* Estimated Project costs and created documentation for project funding approvals.
* Installed and configured **DHCP, DNS** Server.

**Medtronic Inc., Sunnyvale, CA June 2012-March 2013**

**Role: Network Engineer**

**Responsibilities:**

* Installed and configured **Cisco 2800, 3800 routers** and **2950, 3700, 6500** switches.
* Maintained and managed networks running **OSPF** and **BGP** routing protocols.
* Configured route redistribution between **OSPF** and **EIGRP** in a multi-area **OSPF** network.
* Daily monitoring of network traffic using sniffers and access logs to troubleshoot and identify network issues.
* Performed switching administration including **VLAN**s, inter-**VLAN** routing, trunking, port aggregation.
* Route redistribution and route update manipulation using route-maps, distribute lists and AD manipulation and link negotiation.
* Assisted in determining network hardware and bandwidth needs.
* Assisted the research of optimal configuration of hypervisor functionality of Versa-SDWAN platform.
* Assisted testing and research related to designing service chaining features for Comcast SD-WAN product utilizing the Versa platform.
* Assisted certification and testing of various UTM/Security NFV platforms for integration with SD-WAN as well as fitness of security platform.
* Worked with engineering team to resolve tickets and troubleshoot L3/L2 problems efficiently.
* Deploying VoIP phones and providing access to voice and data traffic with QoS policies.
* Preformed IOS upgrades and reconfigured devices afterwards.
* Updated documentation as necessary.
* Mapped, Network Diagrams and physical identification in **MS Visio**.

**General Use Tech Solutions INDIA April 2010-May 2012**

**Role: Network Engineer**

**Responsibilities:**

* Worked on Cisco Layer 2 & 3 switches (**spanning tree**, **VLAN**).
* WAN Infrastructure running **OSPF** as core routing protocol.
* Support various Routers like **2600/3600/7200** series routers.
* Configured authentication in **OSPF and BGP**.
* Configured and troubleshoot **OSPF and EIGRP**.
* Troubleshooting **IOS** related bugs based on history and appropriate release notes.
* Work on different connection medium like Fiber and Copper Connectivity.
* In-depth expertise in the implementation of analysis, optimization, troubleshooting and documentation of **LAN/WAN** networking systems.
* Assisted with the testing and certification of hypervisor functionality on the Versa SD-WAN platform.
* **F5 Load balancer LTM and GTM**
* Planning and configuring the routing protocols such as **OSPF, RIP, and Static Routing** on the routers.
* Performed and technically documented various test results on the lab tests conducted.
* Planning and configuring the entire IP addressing plan for the clients' network.
* Assist the certification team and perform configuration of **LAN/WAN** technologies such as **Ethernet, Fast Ethernet, and Gigabit Ethernet**.
* Configured port-fast, uplink fast and other spanning tree features.
* Support Complex **6500 /5500** Series Switches.
* Received inbound calls of technical nature, independently resolved customer complaints, concerns and inquiries regarding their Internet connection.
* Managed **LAN** and **Wireless Network** and performed troubleshooting on **LAN, WLAN**, Customer Modems (NTL 250, TERAYON, and MOTOROLA) And CPE Router (Cisco-Linksys, Belkin, D-LINK and Dynamode).
* Set up Home Network and provided troubleshooting and full support on virgin- media security Software (PC-guard).
* Troubleshoot a wide range of technical support issues and connectivity problems such as authentication, connection speed, e-mail configuration, and loss of synchronization.
* Experience in new employee mentoring, training and coaching.