**Naveen DuttVankayalapati**

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**CLOUDNETWORK ENGINEER**

**PROFESSIONAL SUMMARY:**

* **Cisco Certified Network Associate** (**CCNA**) with 8+years of professional experience in Network Planning, Implementing, Configuring, Troubleshooting and Testing of networking system
* Experience in **working** with number of **public** and **private** cloud platforms like **AmazonWeb Services** (AWS), **Rackspace Cloud** and **Openstack**.
* Expertise in architecting, managing and deployment of cloud "applications" in number of public as well as private clouds.
* Proficient in using all **AWS** offerings including **EC2**, Block Storage (EBS), **Load**-**balancers** (ELB), **Autoscaling** groups, Cloud Formation **Templates**, **EMR**, **Route53** and others.
* Expertise in architecting secure **VPC** solutions in **AWS** with the help of Network ACLs, **security** groups, **public** and private network configurations.
* Hands on experience in setting up **databases** in **AWS** using **RDS**, **storage** using **S3** bucket and configuring instance backups to S3 bucket to ensure fault tolerance and high availability.
* Excellent working knowledge of **TCP/IP protocol** suite and **OSI layers**
* Good knowledge and experience in **FTP, DNS, DHCP, TFTP, LAN, LINUX** and **WAN** environments
* Proficiency in supporting **Enterprise Level LAN, MAN** and **WAN Networks**
* All-encompassing execution& configuration proficiency of **Firewalls** as **Cisco PIX (515/535/525)**, **Cisco ASA Appliance ASA 5510** and **Pala Alto Security devices**
* Experienced with **Juniper JUNOS device** configuration like **Juniper** Router and **Juniper** switches
* Experience in LAN networking technologies **(Spanning-Tree, VLAN, DTP, HSRP, VRRP, GLBP)**and Experience in **Routing Protocols (EIGRP, OSPF** and **BGP)**
* Configured **Checkpoint Firewalls** and installed it into enterprise network. Also **F5 Load balancer LTMs and GTMs** to divide traffic from the web servers
* Configuring rules and Maintaining **Palo AltoFirewalls & Analysis** of **Firewall** logs using **SecureCRT, ASDM, QRadar**
* Hands on experience working with**DNSInfobloxDNSserver**, **CheckpointFirewall** Administration and Troubleshooting
* Implementation and Support of **Nexus7000**, **Nexus5000**, **6500**, virtualization, **ACE** and **Data Center** Project implementation
* Having advanced knowledge in **Cisco ASA** 5000 series and **PIX installation**, configuration and maintenance
* Proficiency in supporting **Enterprise Level LAN, MAN and WAN Networks**
* Experienced in **CTIOS**, Call **Manager Express (CME)**, **Cisco Unity Express** (CUE), **voice gateways, H323**), and voice applications
* Expert in Cisco IOS and Nexus-OS upgrades, **VDC, VPC/VPC+, VRFs** and Fabric Path support and configuration
* Implemented security policies using **ACL, Firewall, IPSEC, SSL, VPN, IPS/IDS, AAA** (**TACACS+ & RADIUS**) and deploying **GRE Tunnel**
* Experience in Network Management Tools and sniffers like **SNMP**, **Wire shark** and **Cisco works** to **support 24 x 7 Network Operation Center**
* Experience in **switch security** and network security **firewalls technologies**. And **LAN/WAN** Network Support for **TCP/IP** based devices
* Well versed with all the **Openstackcomponents** like **keystone**, **Swift, nova, cinder, glance.**
* **Excellent** understanding modern cloud (**compute, storage, networking**) application architectures on **Openstack**to ensure easy monitoring and high availability.
* Experience in creating and managing new Users, roles and projects through **Keystone**.
* Setup public networks and configured **VPC**s with **SDN** using neutron, Worked on**Openshift** like development, peer/review testing, deploy and production.
* In production we can used similar configuration and deployment by using openshift
* Integrated **puppet** deployment with **GIT** and gerritt with automated Jenkins ci, Familiar with multiple data stores.

**Certifications:**

**Cisco** Certified Network Associate **(CCNA) Routing & Switching.**

**Education Details:**

Bachelor of Technology in Computer Science Engineering-Guntur-India

**Technical Skills:**

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| **Networking Equipment** | **Cisco 2500,2600,2800,3600,3800,7200,7600 series routers, Cisco 1900,2900,3550,3750,4900,6500 series catalyst switches, ACE load balancer 4700, F5 Load Balancer** |
| **SAN** | **VSAN, LAN free Backup, FCoE** |
| **Infrastructure services** | **DHCP, DNS, SMTP, FTP, TFTP, POP3** |
| **Network Security** | **IPsec, VPN Configuration, ,ASA 5505, 5510 Firewalls, NAT/PAT, IDS/IPS, Ethereal, Internet Content Filtering, DHCP SNOOPING, IDS/IPS, URL Filtering -Web-sense, , SSL, IPSEC, IKE, Static, Dynamic, Reflexive ACL, and authentication AAA (TACACS+ & RADIUS)** |
| **Communication Protocols** | **TCP/IP, IPv6, ARP, VLAN (802.1q, ATM), PPP, HTTP, SSH, Frame Relay, MPLS, 802.11.** |
| **Technologies** | **Openstack, AWS, Rackspace-Cloud, Networking, VMware, System Administrator** |
| **Routing Protocols** | **RIP v1 & v2, EIGRP, IGRP, OSPF, BGP, IS-IS, HSRP, ipv6 addressing, VRRP and GLBP.** |
| **LAN technologies** | **Ethernet/ Fast Ethernet/ Gigabit Ethernet networks, VLANS, VTP, STP,RSTP, 802.1q** |
| **WLAN Technology** | **Frame Relay, ISDN, ATM, MPLS, leased lines & exposure to PPP, DS1, DS3, OC3, T1/T3 & SONET** |
| **LOAD BALANCERS** | **BIG IP F5 LOAD BALANCER,INFLOBOX,CISCO ACE** |

**Professional Experience:**

**Comcast, Philadelphia, PA Sept 2016 - Till Date**

**Role: Cloud Network Security Engineer**

**Responsibilities:**

* Creating **Instances** like different locations for the use of **Openstack** and **AWSClouds**
* Instances are **running** for the use of **KAFKA**&**ZOOKEEPER**
* We were creating the **Brokers** for the use of **Kubernates**, **kafka, zookeeper**
* **Checking** and **pinging** for the public and **private** clouds for the **VCMTSVIRTUALIZATION** Project
* In **Virtualization** we were creating **multiple VM’s** for single **Moonshoot**
* Creating Network seetings and Network **configuration** settings for **everycartridges** and every **moonshoot**
* Cloud bases we were using **OpenstackCompute**, For**compute** the instances were creating for different **sizes** and different **GB’s**
* For Images storing we were using Docker and Docker Conatiners for VCMTS Project
* Cisco ASA **Firewall Policy** Provisioning and troubleshoot connectivity issues through firewall
* Configuring and Troubleshooting of Various **Firewall ACL, NAT** rules, policy and protocols like **OSPF** and Switching protocols like STP, VLAN, VTP Using **CLI, SecureCRT, Skybox and Cisco ASDM**
* Creating and Testing **Cisco Firewall** and Switch operations using security protocol, **IPS, ASA Firewalls,** and **MPLS** switching for stable VPNs using WAN backbone
* Migrating **Virtual Firewalls** to **Physical Firewall**and **Cisco ASA** to **Palo Alto** Firewalls
* Migration of Cisco ASA to Palo Alto using **Palo Alto Migration Tools**.
* Provide Service Support to Clients regarding **LAN/WAN** connectivity Configuring and Modification of **ACL, NAT** Rules and Port numbers in **ASA Firewall**s using CLI, SecureCRT, and ASDM
* **Firewall Clustering** and **High Availability Services** using Cisco ASA. Troubleshooting**User connectivity issues** on**Cisco ASA** using CLI utilities
* Worked on **BIOS** upgrde for moonshoots, using on **HP** and **HARMONIC** servers for **12 core** and **16 core cartridges**
* Creating **public IP’s** and **private IP’s** for HP and HARMONIC servers
* HP servers for **Ubuntu 16.04** Image we were using and **installation** for all **12 core cartridges**
* **Hewllet Packard** we were using and creating licenses for HP EL 4000 series
* Checking on **system health** for all **rack space** in the **SIT LAB**
* Configuration on **Juniper switches** and **cisco switches** for network configuration
* **Network configuration** settings are changing for **MDC** to **Central data center**
* Creating **NETMASK,SUBNETMASKS**, for every cartridges
* Checking on **Network issues** for routing switches and **security levels** for **CICD** Servers.
* **Packet capture** on firewalls and analyzing the traffic using **CLI, Cisco ASDM, Wire shark** utilities
* Troubleshoot **Clustering issues** on ASA and Sync issues monitoring and fix.Implemented **Active/ Standby**configuration on **Cisco ASAFirewalls**
* Configuring **Cisco ASA firewalls** in **Single and Multiple Context Mode** firewalls.**Upgrade of Cisco ASA** Firewall in **Active/Standby** mode
* Firewall Compliance and Rule remediation for compliance such as**PCI Audit**
* VLANimplementation, Spanning Tree Implementation and support using **PVST, R-PVST and MSTP** to avoid loops in the network. **Trunking and port** channels creation
* Working with **OSPF** as **internal** routing protocol and **BGP** as **exterior gateway** routing protocol
* Configuring static NAT, dynamic NAT, **Inside Global Address Overloading**, **TCP overload** distribution, Overlapping Address Translation on **Cisco ASA Firewalls**
* Implemented VLANS between different departments and connected them using trunk by keeping one VLAN under server mode and rest falling under client modes
* Network Router and Switch protocol configuration for firewall access
* Network **IDS/ IPS** Signature tuning.Escalating IDS and Firewall handling requests to third party vendors
* Generate and maintain **platform-specific security** baselines
* Firewall security **Protocols, Access-list, Network address translation, Network Policy, object list, ISAKMP and IPSec** for Site to site VPN and Firemon, Vendor / Managed Service Provider **escalations**

**Environment:**Openstack, Kubernates**,** Networking, Cisco Catalyst 2960/3750/4500/6500 Series Switches, Cisco 2800/2900/3000 Series ISR’s and Cisco 3640/12000 /7200/3845/3600/2800 routers, Cisco Nexus 7K, Cisco ASA 5500, Checkpoint, windows server 2003/2008, F5 BIGIP LTM/GTM, ACL, RIP, OSPF, BGP, EIGRP, LAN, WAN, VPN, HSRP.

**SAMSUNG, Richardson-TX July2015- June 2016**

**Role: RAN Staff Engineer-5G Network**

**Responsibilities:**

* Responsible for the operations, **Maintenance**, **Troubleshooting,Re-integration** and support of the **MDC** Centers (**5G Network**).
* Solid understanding about fiber interfaces and optical levels.
* Performs all components of **cell site maintenance** including: Automatic/Manual optimization **Antenna testing** and result analysis.
* Ensure **power systems** are functional which includes performing and **analyzing battery** routines.
* Performs inspection of routine preventive maintenance, **equipment alarm analysis**, **inspection** wave guide pressure and desiccant annual preventive maintenance on all **Radio types**
* Advanced Trouble Shooting, Basic Installation and acceptance of radio and path alignment with Tower crew.
* Assists more **experienced Site**/ **Field Engineers** and RF support team in testing and **repairing Network Equipment**.
* Operations of **DELL in IDRAC, BIOS, VRAN, VCORE.**
* Ensure the **VRAN** on **Boarding,VRAN Instantiation,** we were used**Openstack** process **IP** instead of **EMS-GUI**.
* Performs all **VM’ s** is installed successfully, active and running.
* **Ping** between the **SSH** and **VM’ s** is successfully through the **External IP’ s** and **Internal IP’s.**
* **Analysis** of Intelligent **multi-user interferences** reduction schemes to quadruple capacity grains in Optical CDMA.
* Worked on **FUPC, FNMC, FCPC Hosts**. Creating **IP V6, IP v4,** and **MAC** address like sit lab and Market Data Centers, Central Data Centers.
* Through understanding **LTE Users**, **UMTS** users. Good understanding on **4G, LTE, 5G Networks layers**.
* **Testing** on **validating handset** performance in **Live Network** environment.
* Worked on MDC and CDC Centers like connections between **Firewalls open**, **testing, troubleshooting**.
* Perform **technical planning**, **system integration**, verification and **validation, cost, risk analysis** and effectiveness studies for systems of system integration.
* Independent problem solver with **troubleshooting,design making** and analytical skills.
* Requires limited supervision, self-starter, strong time management skills.
* **Virtual Desktop Administration** preferably using VMware Horizon View.
* Deploy, test and document development, **Pre-production and production.**
* Diagnoses and **troubleshoots problems** with PCs, software, **Communication devices** with in established procedures, responds to End Users requests for technical support and assistance.
* **Developed** and documented **IT** and **network support** procedures, process improvements and best practices for internal IT customers and business partners.

**Environment:** VRAN, VCORE, BIOS, IDRAC, virtualization, IP configuration, Trouble shooting, Connections, Deploy, Testing, VM Horizon, FNMC, FUPC, FCPC, SSH, GUI, External – Internal Configuration, CDMA, 5G Network, Wireshark, Netflow Analyzer, Cisco Works, SNMP, HP open view, Ethereal,SNMP, SSH, Telnet, ICMP, SSL

**Bank of Tokyo Jersey City-NJ March 2014-May 2015**

**Role: Network Engineer**

**Responsibilities:**

* Comprehensive elementary configurations on the **F5 Big-IP LTMs and GTM load balancer** on prevailing network to divide traffic on web-servers
* Analyze equipment’s and perform repair as per requirement in Data Centre
* Setting VLANS and configuring **ISL trunk** on **Fast-Ethernet** channel between switches
* Product analysis and support for Access-layer switches such as Cisco **4510, 4948, 4507,** distribution layer switches such as **6513, 6509, 6504** and a routed core
* Configured site to site VPN for connecting student lab to training and development centers
* Worked on IP control for management and optimal allocation of IP addresses
* Configured and deployed Checkpoint, Cisco ASA and Juniper SRX firewalls for various Missouri Information Service Centers
* Installed and configured Foundry Load Balancer and ASA firewall for a customer web site
* Experience with Juniper Net screen 520M Firewall and Palo Alto network firewall
* Implementation and Support of Nexus 7000, Nexus 5000, 6500, virtualization, ACE and Data Center Project implementation
* Configuring **F5 Big-IP LTM and GTM**. Responsible for troubleshooting of F5 load balancers
* Securing network access with Cisco Secure (**RADIUS/ TACACS**+)
* Troubleshoot Data center network issues, Cross connectivity and **WAN** Backbone issues between Data centers
* Systems monitoring and maintenance, resolution and troubleshooting using Infoblox
* **Managed Cisco firewalls** from both the Command line and ASDM
* Worked with HP engineers for issues pertaining to the new environment and the application
* Test plan development for quality improvement of development phase
* Advanced Knowledge in IPSEC VPN design connection and protocols, IPSEC tunnel configuration, encryption and integrity protocols
* Successfully installed **Palo Alto PA 3060 firewalls** to Protects Data Center and provided L3 support for routers/switches/firewalls
* 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.
* 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.
* Configuring, administering and troubleshooting the Check Point, Palo Alto and ASA Firewall
* Responsible for Configuring **Frame Relay**, **ATM Switches**, **ISDN, X.25** network
* Ensure that Firewall Rules are reviewed in accordance with Risk management Framework
* Configured **MPLS L3 & L2 VPNS** for research departments using cisco ASR 9004 and 9010
* Configured **ASA 5510** appliance as a Firewall and as a VPN server. Troubleshoot **TCP/IP** problems; troubleshoot connectivity issues
* Responsible for Configuring **Frame Relay**, **ATM Switches**, **ISDN, X.25** network
* Configuration, implementation, and problem determination across the major firewall platforms and understanding each customer environment at a detailed level. Responsibilities include rule implementations, VPN setups, upgrades, new builds.

**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 ASA 500, F5 BIGIP LTM, RIP, OSPF, BGP, EIGRP, LAN, WAN, VPN, HSRP**.**

**Bed Bath & Beyond Union-NJ March 2013- Jan 2014**

**Role: Network Support Engineer**

**Responsibilities:**

* Configured, tested, implemented and maintained telecommunication and LAN operational support activities of Radio Access Network
* Worked on installation, maintenance, and troubleshooting of **LAN/WAN**(**ISDN**, Frame relay, NAT, **DHCP, TCP/IP**)
* Configured Access List (Standard, Extended, and Named) to allow users all over the company to access different applications and blocking others
* Responsible for design, configuration and maintenance of numerous telecom systems, hardware systems
* Configuring and installing client and server network software for upgrading and maintaining network and telecommunication systems
* Experience in Troubleshoot Data center network issues, Cross connectivity and **WAN** Backbone issues between Data center
* Hands-on experience with WAN technologies like T1/T3, DS3, STM1 and STM4 circuit types
* Implemented Cisco Secure Access Control Server (ACS 3.0) for TACACS+/RADIUS
* Knowledge with redistribution of routing protocols and Frame-Relay configuration
* Handled Network Migration from RIP to OSPF
* Implementation of TCP/IP and related Services-DHCP/ DNS/ WINS
* Configured, maintained and troubleshot routing protocols such as OSPF, EIGRP and BGP.
* Engaged in office moves, helped in identifying network requirements of new building, installed new networking hardware, and coordinated with vendors for cabling/wiring
* Performed scheduled Virus checks and updates on all servers and desktops
* Got Hands-on experience in maintaining and troubleshooting **RIP, OSPF** and **EIGRP** routing protocols
* Configured **RIP** and **EIGRP** on **2600, 2900**and**3600** series Cisco routers
* Implemented VTP and Trunking protocols (802.1q and ISL) on **3560, 3750** and **4500** series Cisco Catalyst switches
* Performed **IOS** upgrades on **2900, 3500** series Cisco Catalyst switches and **1800, 2600,3600** series Cisco routers using TFTP. Provided network connections for new workstations
* Configured **STP** for loop prevention and **VTP** for Inter-VLAN Routing
* Done troubleshooting of **TCP/IP** problems and connectivity issues in multi-protocol Ethernet environment
* Configured Cisco Routers **(2621, 2621XM, 2620, 2800)** using EIGRP and Configured Cisco Switches (Catalyst **6500,** 4500, 3750)

**Environment:** Cisco 2600/2800/3600 Cisco 2950/2960 series switches, Cisco Routers 7000, 5300, 4000,2500, 3000, 2600, NAT, PAT, DHCP, DNS, OSPF, EIGRP, ASR, TCP/IP, LAN, WAN.

**BASF Raleigh-NC Mar 2010-Jan 2013**

**Role: Network & Linux Administrator**

**Responsibilities:**

* Configured routing protocols like **EIGRP,OSPF & BGP** and troubleshooting layer3 issues
* Involved in the troubleshooting aspects of complex network infrastructure using the routing protocols like **EIGRP, OSPF& BGP**
* Experience in Network security, Security Controls (firewalls, IDS/IPS, authentication, etc.), **TCP/IP**
* Involved in configuration and implementation of the **MPLS with BGP** protocol
* Configured and deploying **Cisco catalyst 6506, 4948E, 4510** switches and Cisco **3660, 3845,** and 7609 series Routers
* Migrating firewalls from **Juniper** Net screen **500 to PA3020**
* Applied ACLs for Internet access to the servers using **Cisco 5520 ASA firewall**, performed NAT
* Configuring security services for protecting the perimeter of the network, **Cisco IOS Firewall** features, **PIX Firewall**.
* Involved in design, implementation and configuration of **HSRP** for load balancing on L3 switches on different location of office on the switched network
* Provided support/troubleshooting for Intel, **UNIX**, and Network environments
* Had a good hands-on experience with cisco **6509 Series Cisco Switch** with **VLAN’s for different departments**
* Supporting wide range of products from **Cisco Systems**, Troubleshooting of Routers, Switches, **Leased line**
* Built and configured **VirtualLinux** Servers using **VMware**ESXi and **RHELKVM**, Performance monitoring and capacity planning on UNIX and LINIX servers
* Hardening systems using SE **Linux** and other **security** measures&**Created** and configured **LVM** partitions
* Completed numerous installations and configurations of multiple SP ARC servers
* Management of file systems on **ZFS** pools **LVm2**, - creating and adding space, Established server network connectivity on appropriate **VLAN** and to **SAN** network
* Completed numerous server **patching** activities using Live Upgrade and firmware updates.
* Open ports for applications and process that require special ports, Backup **MySQL** database by creating **script** to run the **MYSQL** dump and **package** it in a **gzip** file.
* Document process and procedures for system and **database** usage, **Maintain** team wiki and making sure all documents are in the correct format.

**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 ASA 500, F5 BIGIP LTM, RIP, OSPF, BGP, EIGRP, LAN, WAN, VPN, HSRP.

**Pilog Technologies Hyderabad-India Mar 2009-Dec2009**

**Role: Network Administrator**

**Responsibilities:**

* Experienced in **CTIOS**, Call Manager Express (CME), Cisco Unity **Express**(CUE), voice gateways, H323), and voice applications
* Expert in Cisco IOS and Nexus-OS upgrades, **VDC, VPC/VPC+, VRFs** and Fabric Path support and configuration
* Implemented security policies using **ACL, Firewall, IPSEC, SSL, VPN, IPS/IDS, AAA (TACACS+ & RADIUS**) and deploying GRE Tunnel
* Experience in **Network Management** Tools and sniffers like SNMP, Wire shark and Cisco works to support 24 x 7 Network Operation Center
* Configured and managed **VMware** ESX server 3.x and **Virtual** Center 2.5.
* Designed and implemented multi node **ESX** environment using multiple clusters.
* Worked with active Directory issues such as, **logon failures**, **accounts, lockouts, networks, connectivity**, **DNS, DHCP,WINS**, name resolution, authentication problems, **DFS** links and replication issues, folder and printer permission, etc.
* Advanced trouble shooting of issues such as active directory and **FRS/DFS** replication issues, application memory leaks etc.
* Administrating DNS, **DHCP**, and exchange and **ISA** servers.
* Created and managed user and group accounts in user manager and in MS exchange administration.
* Worked on **VMware** NSX for vSPHERE like logical **switching**, **routing**, **firewall**, **loadbalancer**, VPN, NSX API.s
* In tenants like A, B, C controls on mac table, ARP table, **VTEP** table.
* Update the patches for ESX server using **VMware** update manager in virtual center.
* Build and troubleshooting experience with **VMware** ESX 3.x, V-center server 2.5 and VMware V-Sphere suite.
* Expertise in migration from **ESX 3.0.1 to 3.5 to V-Sphere 4.0.**
* Monitoring and **managing** performance of **ESX** servers and virtual machines.
* Worked closely with storage and networking team to ensure allocated **SAN**, **fiber** and **networking** infrastructure reflects specifications laid out in the initial **VMwarefirm**design to ensure successful deployment.
* Experience on **host profiles**, distributed switch, **DRS, V-Motion, SV-motion**,
* Resource pools, permission, patches, snapshot, tools upgrade, disk expansions, templates.
* Building **windows2008** servers and **upgrading** windows **2003** on both **physical** and **virtual** machines.

**Environment:** Cisco 2600/2800/3600 Cisco 2950/2960 series switches, Cisco Routers 7000, 5300, 4000,2500, 3000, 2600, NAT, PAT, DHCP, DNS, OSPF, EIGRP, ASR, TCP/IP, LAN, WAN, Cisco 7609S series routers, Cisco 2900 routers, 6513E switches, Check point firewall, RadwareAppdirector.