

Patel Nikita

Network Engineer - AES corporation

Edison, NJ - Email me on Indeed: [indeed.com/r/Patel-Nikita/a76784dcfde4902b](https://www.indeed.com/r/Patel-Nikita/a76784dcfde4902b)

- Professional 5+year experience in Networking designing, installation, configuration, and operating LAN, WAN protocol
- Deep knowledge of TCP/IP protocols
- Configuring CISCO switch and Router (L2 and L3) & its hardening
- Good at implementing IPv4 & IPv6 addressing scheme & services to meet network requirements
- Knowledge of IPv6 Technologies like NDP, ICMPv6, SLAAC, DHCPv6, DNS64, NAT64, IPv6 Tunneling
- Knowledge & Configuration of IPv4 Static Routing, Dynamic Routing Ripv1/v2, EIGRP, OSFP, BGP protocols
- Knowledge & Configuration of IPv6 Static Routing, Dynamic Routing, EIGRP for IPv6, OSPFv3 protocols
- VPN: Knowledge & Configuration on Site-to-Site, Remote Access IPSEC VPN and SSL VPN
- Well experienced in Cisco Router, Cisco ASA Firewall, Checkpoint Firewall, Palo alto firewall.
- Switching tasks include VTP, IPSEC and GRE Tunneling, VLANs, VTP, VLAN Trucking using ISL and 802.1Q, STP, RSTP, PVST+, Ether channel using LACP and PAGP, INTER- VLAN Routing, CEF and DCEF.
- Implemented VPNs and associated tunneling technologies (MPLS, L3VPN, VPLS MVPN, IP SEC)
- Implemented redundancy with HSRP, VRRP, GLBP.
- Expert level configuration of Layer 2 technology including VLANs, STP, RSTP, PVST, MST, VTP in addition to port-security, Uplink fast, Backbone fast, Port fast, BPDU guard & filter.
- Expertise in implementing Security policies like NAT, PAT, IDS, IPS, VPN and Access lists
- Good Knowledge with the technologies MPLS, VPN, WLAN, NAT, Multicast, Routing, Frame relay, SNMP
- Proficient in working with voice gateways (H323, MGCP and SIP) and analog voice gateways.
- Extensive experience in implementation and support of Cisco CUCM, Unity Connection, CUPS and UCCX.
- Troubleshoot bugs and updates using cisco Meraki security appliances.
- Involved in configuration and setup of DHCP, FTP and TFTP.
- Experience in monitoring and analyzing the load balancing of network traffic using Wireshark and Solar Winds.
- Network connectivity troubleshooting, ping, trace route, telnet.
- Worked on network topologies and configurations, TCP/IP, UDP, Frame Relay, Token Ring, bridges, routers, hubs and switches.
- Well experienced in configuring GLBP, ICMP, PPP, PAP, CHAP and SNMP.
- Knowledge & Configuration of Cisco ACL, NAT, AAA, TACACS+ & RADIUS Server on Cisco Secure ACS
- Experience in Layer3 routing and Layer2 switching experienced dealing with router configurations like [...] 5060, 4500, 3750, 2900 3850 and 3500XL series and switches 9K, 7k, 5k, 3k, 2k.

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Network Engineer

AES corporation - April 2016 to Present

Network Engineer

* Responsible for setting up the infrastructure environment with majority of Cisco & ASA appliances apart from various other equipment.

* Collaborate with technical team to design GRE IPsec from juniper SRX 3400 to cisco ASR

- * Worked on several VOIP installations moving sites to UC environment with centralized call processing by implementing voice gateways, Cisco phones and voicemail.
- * Responsible for design VPN technologies including concepts, VPN configuration, and VPN deployment with good understanding of networking and application protocols (TCP/UDP, IPv4/IPv6), and security protocols (SSL, IPSEC, IKEv2, PKI).
- * knowledge of (1) Internet connectivity; (2) routing concepts (3) firewall concepts (4) workstation and OS configuration, setup, and Windows troubleshooting.
- * Administered, troubleshoot and maintained all voice components of the Cisco UC product suite voice gateways, analog gateways, SIP gateways
- * ASA design and installation (Application and URL filtering, Threat Prevention, Data Filtering)
- * Successfully installed palo alto firewalls to protect Data Centre and provided L3 support for routers/switches/firewalls
- * Installing configuring and troubleshooting Palo Alto Firewalls.
- * Experience in configuring security policies and next gen features like Application and URL filtering, Threat Prevention, Data Filtering on Palo Alto Firewall.
- * Implemented Positive Enforcement Model with the help of ASA Networks.
- * Implemented Zone Based Firewalling and Security Rules on the checkpoint Firewall
- * Configured routing protocols like MPLS, OSPF and troubleshooting layer3 issues. Configuration of routing protocols EIGRP and BGP for small to medium sized branches based on company branch standards, including redistribution and route maps.
- * Administration and diagnostics of LAN and WAN with in-depth knowledge of TCP/IP, NAT, PPP, ISDN and associated network protocols and services.
- * Performed OSPF, BGP, DHCP Profile, HSRP, IPV6, Bundle Ethernet implementation on ASR 9K redundant pair.
- * Maintained and managed networks running EIGRP and BGP routing protocols.
- * Regularly performed firewall audits around Checkpoint Firewall-1 solutions for customers.
- * Provided tier 3 support for Checkpoint Firewall-1 software to support customers.
- * Work on Checkpoint Platform including Provider Smart Domain Manager. Worked on configuring, managing and supporting Checkpoint Gateways.
- * Configuration of routing protocols EIGRP and BGP for small to medium sized branches based on company branch standards, including redistribution and route maps.
- * Configured Client VPN technologies including Cisco's VPN client via IPSEC
- * Providing VPN and SSH access as per role and considering security breaches. Performing Firewall rule analysis and make decisions on risk to customer network

Network engineer

Sophos technologies Pvt Ltd - August 2014 to July 2015

- Key contributions include troubleshooting of complex LAN/WAN infrastructure that include routing protocols EIGRP, OSPF and BGP.
- Configuration, Testing, Planning, Design of Cisco routers, Cisco Catalyst 2900, 3570 and 6500 switches and Migration for Frame-Relay network to MPLS based VPN for customer's WAN infrastructure.
- Implemented many security policy rules and NAT policy rules on Palo Alto, created Zones, implemented Palo Alto Firewall interface, Palo Alto IDS and VLAN.
- Integrated Panorama with Palo Alto Firewalls, managing multiple devices simultaneously.
- Responsible for configuration and troubleshooting of Site to Site as well as Remote Access VPN on Palo Alto Firewall.
- Time to time upgrade network connectivity between branch office and regional office with multiple link paths and routers running HSRP, EIGRP, in unequal cost load balancing to build resilient network.

- Manage the operations of the DNS/DHCP and infrastructure Operate system upgrades, ensuring various scripts and matched with API versions.
- Responsible for network performance, monitoring/analysis, proactive troubleshooting and capacity analysis of network and proposing improvements and design changes beneficial to the business.
- Responsible for Network cabling, dressing, labeling and troubleshooting network drops onsite.
- Setting up VLANs and configuring inter-VLAN, Trunk protocol, STP, PVST, RSTP, port aggregation & link negotiation on Ethernet channel between switches.
- Key contributions include troubleshooting of complex LAN/WAN infrastructure that include routing protocols EIGRP, OSPF and BGP.
- Knowledge of Installation and Configuration of T1, Frame Relay, and ISDN, ACE Authentication, Radius reporting, and IP Services.
- Setting up VLANs and configuring inter-VLAN, STP, PVST, RSTP, port aggregation & link negotiation on Ethernet channel between switches.
- Designed and implemented security systems including various Cisco IOS ACLs, Context-Based Access Control, Palo alto firewall, Network Intrusion Detection Systems, AAA Cisco Secure Access Control Server (Radius/TACACS+) and Linux syslog servers. Planned, configured and operated IPsec VPNs.

Network Engineer

KPMG - Mumbai, Maharashtra - 2013 to July 2014

- Responsible for the installation, configuration, maintenance and troubleshooting of the company network. Duties included monitoring network performance using various network tools to ensure the availability, integrity and confidentiality of application and equipment
- Configured and troubleshoot OSPF and EIGRP.
- Involved in trouble shooting of DNS, DHCP and other IP conflict problems
- Planning and configuring the routing protocols such as OSPF, RIP, and Static Routing on the routers.
- WAN Infrastructure runs OSPF & BGP as core routing protocol.
- Support various routers like 2600/3600/7200 series routers.
- Tested authentication in OSPF and BGP.
- Switching related tasks included implementing VLANS, VTP, STP and configuring on the Fast Ethernet channel between switches
- Responsible for configuring a site to site VPN on VPN Concentrator series between Head office and Branch office
- Installation & configuration of Palo alto firewall.
- Configured Firewall logging, DMZs & related security policies& monitoring
- Worked on Cisco Layer 2 switches (spanning tree, VLAN).
- Hands on experience working with security issues like applying ACL's, configuring NAT and VPN
- Responsibilities also include technical documentation of all upgrades done. Attending meetings and technical discussions related to current project.
- Prepared engineering documents and network diagrams in Microsoft Visio.
- Documented firewall changes and request forms to respective vendors.
- Vendor co-ordination for hardware issues and assessment management.
- Ability to handle multiple complex tasks, with tight deadlines concurrently.

Jr Network engineer

Alphadecimal network Pvt Ltd - Ahmedabad, Gujarat - 2012 to November 2013

- Configured RIP and EIGRP on 2600, 2900 and 3600series Cisco routers.
- Involved in troubleshooting of DHCP and other IP conflict problems
- Implemented VTP and Trunking protocols (802.1q and ISL) on 3560, 3750 and 4500series Cisco Catalyst switches

- Provided on-call support for installation and troubleshooting of the configuration issues
- Configured Standard, Extended, and Named Access Lists to allow users all over the company to access different applications and blocking others
- Planned and implemented Sub-netting, VLSM to conserve IP addresses.
- Configured STP for loop prevention and VTP for Inter-VLAN Routing.
- Performed troubleshooting of connectivity problems using PING, and Trace route.
- Provided Technical support for improvement, up gradation, and expansion of the existing network architecture
- Done troubleshooting of TCP/IP problems and connectivity issues in multi-protocol Ethernet environment. IOS upgrade 1900, 2900, 3500 series Cisco Catalyst switches and 2500, 2600, 3600 series Cisco routers using TFTP.

EDUCATION

Masters of Science in Networking and Communication Engineering

Stratford University

Bachelor of engineering in Electronics & Communication Engineering

Gujarat Technological University

SKILLS

CISCO (5 years), EIGRP (4 years), VLAN (4 years), BGP (4 years), FIREWALL (3 years)

LINKS

<http://www.ciscocertificates.com/verify.cfm>

ADDITIONAL INFORMATION

Technical Skills:

Cisco Routers [...]

Cisco L2 & L3 switches [...]

LAN Technologies VLAN,VTP,STP,RSTP,PVST,802.1x

WAN Technologies HDLC, PPP, ATM, SONET, MPLS, VPN, IPSec-VPN

Network Securities NAT/PAT, VPN, Filtering, IPSec VPN,ACL, Cisco ASA Firewall and Palo Alto Firewall,checkpoint firewall

Routing Protocols RIP,IGRP,EIGRP,OSPF,BGP,IS-IS,HSRP,IPv6

VPN Services: Cisco: ASA and ASR-9K;

Network Managements SNMP, SSH, Telnet, ICMP,Netflow

Tools and skill MATLAB, wireshark,solarwinds

Operating System Windows,MS DOS,UNIX,Linux