

Prakash Pandey

Network and System Engineer

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Professional Summary

- **5+ years of experience** as Network and System Engineer focusing on design, installation, configuration and troubleshooting on various hardware platform such as Cisco, Juniper, FortiGate, Palo Alto, Cisco Meraki etc.
- Strong knowledge of routing and switching technologies and protocols including TCP/IP, STP, CDP, LLDP, BGP, EIGRP, ISIS, OSPF, RIP.
- In depth knowledge and experience with major DWDM platforms and optical technologies.
- Server installation, configuration and administration on VMware ESX & ESXi on various hardware platforms with an expansive understanding of data center design and operational best practices.
- Ability to work in fast-paced and dynamic environments with limited supervision.

Experience

Network Administrator

Feb 2021- present

Impacttek, Manassas, VA

- Install, Configure, monitor and troubleshoot multivendor routing and switching equipment such as switches, Routers, Firewalls and Wireless Access point (WAPs) and other components of LAN and WAN networks.
- Administer and maintain telephone equipment, protocols, and routing queues necessary to meet business needs.
- Ensure network connectivity of all workstations using network monitoring tools such as Nagios, Cacti/PRTG etc.
- Configure, troubleshoot and Backup various servers and workstations. And encrypt Storage device for data security.
- Rack and Stack servers, Switches, routers and other equipment as required.
- Replace components such as CPU, memory, hard drives, PCIe/PCI adapters.
- Maintain an accurate inventory of servers to reflect the correct model numbers, serial numbers and locations of equipment in the lab and assist with tracking the usage of resources.

Network and System Engineer

October 2016 - December 2021

Swabalamban Laghubitta Bikas Bank Ltd., Kathmandu, Nepal

- Monitor network equipment such as switches, Routers, Firewalls and Wireless Access point (WAPs).
- Configuring, supporting and troubleshooting multivendor routing and switching equipment, and other components of LAN and WAN networks.
- Configuration, troubleshooting and managing multivendor firewalls (ASA, Palo Alto, Fortigate).
- Responsible for maintaining and upgrading network infrastructure. Including patching due to vulnerability.
- Ensure network security by maintaining proper network access control, evaluation, maintaining documentation.
- Maintains network performance by performing network monitoring and analysis, and performance tuning; troubleshooting network problems; escalating problems to vendor.
- Install equipment cabinets and racks, provide AC and DC power connections, Ethernet, fiber, video cabling, racking and stacking of equipment.
- Installation, Configuration and troubleshooting of VMs within the VMware ESX/i environment.
- Installation and configuration of Active Directory functionalities, Group Policy, DNS and DHCP.

Network Engineer

January 2015 - October 2016

Itel Communication, Lalitpur, Nepal

- Configure, Monitor and troubleshoot all network equipment such as switches, Routers, Firewalls and Wireless Access point (WAPs).
- Configure and Install Linux/VMWare/Windows OS on servers involved in Configuring and Maintaining of the Network infrastructure.
- Ensure network connectivity of all workstations using network monitoring tools such as Nagios, Cacti/PRTG etc.
- Configure, troubleshoot and Backup various servers and workstations.
- Actively Involve in network project design and development.

Education

	Tribhuvan University, IOE Master of Science in Engineering, Communications and Knowledge Engineering	September 2021
	Tribhuvan University, IOE Master of Public Administration	September 2015
	Kathford International college of Engineering and Management Bachelor of Engineering - BE, Electronics and Communications Engineering	June 2011
	Tribhuvan University, IOE Diploma, Electronics and Communications Engineering	December 2007

Certifications

- Cisco Certified Network Associate (CCNA)
- Juniper Network Certified Internet Associate (JNCIA)
- Certified Network Security Specialist (CNSS)
- Network Security Expert (NSE)
 - NSE 1
 - NSE 2
 - NSE 3

Additional Skills

Network Hardware:

- Optical Fiber splicing
- Inside wiring (Optical Fiber, Ethernet)
- Clamping/ Terminating 66/110 Block
- Network/Server Rack installation
- OTDR / optical Power-meter
- DWDM, Optical Transmitter

Network Technologies:

- Cisco Routers, Switches
- Cisco Meraki
- Ethernet, Fast Ethernet, Optical Fiber
- LAN, MAN, WAN
- TCP/IP, EIGRP, OSPF, ISIS, BGP
- Access control List (ACL)
- Nagios
- Network Address Translation (NAT)
- Port Address Translation (PAT)
- GPON
- MPLS
- VPN (IPsec, SSL)
- Wireshark