****

**CCIE ROUTING & SWITCHING**

**WRITTEN**

*Amit Patel*

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*Nationality:* ***British Citizen***

*Driving License:* ***Full UK Driving Licence***

**Certifications:**

* Cisco Certified Network Associate (CCNA) – December 2012
* Juniper Networks Certified Internet Associate (JNCIA-Junos) – February 2013
* Cisco Certified Network Professional (CCNP) – January 2015
* Cisco Certified Internetwork Expert Written CCIE (Routing & Switching) – December 2017
* British Telecom ALP Network Design Bronze – February 2017
* British Telecom ALP Network Design Silver – February 2017

**Education:**

**Bachelor of Engineering in Information Technology, Gujarat University, India**

**Career Objective:**

Cisco (CCNA/CCNP/CCIE-Written) and Juniper-JUNOS(JNCIA) certified with over 7 years hands on experience in configuration and installation of network devices such as routers, switches, firewalls, access points, Wireless LAN controller, LAN / WAN technologies and have hands on experience of providing Desktop & Infrastructure Support.

**Over the last six years, I have gained valuable experience in Network Design, Planning, Configuration, Implementation and troubleshooting through my Certified Skills & experience.**

I am a highly motivated, punctual, positive thinker and team player. I am now seeking to progress my career in a role where I can get more challenges and can utilize my technical and certified skills to overcome those challenges.

**Technical Skills:**

* Ability to configure **Cisco Catalyst 2950/3550/3560/3750/3850/4500/6500/9300/9400 Series** and **HP Procurve Switches** through Telnet, SSH and Console.
* Ability to configure & upgrade **Cisco Nexus 5K (5672UP), 7K (7700) and 9K (9500)**.
* Ability to configure Cisco **887VA, 1921,2621,2651,2921,3620,3640,3845,9500, ASR** routers.
* Ability to configure and administrator **Cisco Aironet 1602, 1852, & 2800/3800 series** access points using WLAN controller.
* Expertise in **ISSU (In Service Software Upgrade) of** **Cisco IOS, IOS XE, NX-OS.**
* Ability toimplement vPC & VDC in data center environment.
* Ability to use terminal emulator like Putty, Hyper Terminal, Tera-term, Secure CRT, and MobaXterm.
* Ability to configure **Static Route, RIP, EIGRP, OSPF, BGP** and **IS-IS.**
* Ability to configure Unicast and multicast routing.
* Working knowledge of IPv6 and its transitions mechanisms.
* Ability to configure **PfR for WAN optimization** and **BFD for fast failover**.
* Ability to configure **QoS** using different Queuing mechanisms.
* Ability to configure **VRF & VRF Lite** in order to manage multiple instance of routing table and enhance network security.
* Ability to use **Route distinguisher and Route target** in MPLS VPN environment in order to import and export VPNV4 routes in and out of VRF.
* Expertise in configuring different mode of **Spanning Tree** to avoid loops in redundant links.
* Also good at configuration of **Root guard, BPDU Guard and BPDU filter** for enhancement of Spanning Tree Protocol.
* Consistently recognized for technical troubleshooting skills used to resolve challenging IT issues and Network/Internet Outage rapidly and cost-effectively.
* Proficient in installation and configuration of LAN/WAN Network.
* Ability to configure network security with **Access List/VLAN/NAT & Anti-spoofing policy.**
* Also have ability to configure **802.1x, MAB port control**, **port security and private VLAN**.
* Ability to configure **SITE to SITE IPsec VPN and Remote Access VPN on Cisco ASA 5500 series** firewalls.
* Ability to configure **DMVPN, Direct Access and SSTP VPN.**
* Ability to configure **Checkpoint / Nokia / Cisco ASA / Vyatta / Sonicwall / Fortigate** firewalls.
* Ability of configuration and administration of **Cisco ISE** and **SD-Access** technologies.
* Evaluate, design and configure low and high-speed customer **Internet Access / IPVPN / MPLS / VPLS solutions**.
* Ability of installation and configuration of **Windows XP/Vista/7/8/10** and **Server 2003/2008/2012/2016 Operating Systems**.
* Ability to configure VPC (Virtual Private Cloud) to launch AWS resources into virtual network.
* Ability to configure **Direct Connect** to establish dedicated network connection from customer premises to AWS.
* Ability to configure **Interconnect** to establish private, secure and SLA based connections between customer premises & AWS.
* Ability to monitor and troubleshoot network issues using network monitoring tools e.g. **WhatsUpGold, Manage Engine Firewall Analyzer, Solar Winds, Wireshark, Opsview, Scrutinizer & Fluke**.
* Ability to configure, administers, monitor and troubleshoot Cisco based network using **Cisco works**.
* Ability to use Email filtering solutions like Mimecast and HP MSS portal.
* Proficient in using Remote Access application like Team Viewer, Centre Stage and LogMeIn, WebEx, ZOOM etc.
* Proficient in configuring **ephone** and **ephone-dn** using **CCP** and command line in **CME** and **CUCM**.

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**Employment History:**

**Financial Times(**[**www.ft.com**](http://www.ft.com)**) March 2019 to date**

**Network Engineer**

Contracted to the Financial Times to support their HQ office move and BAU work across all remote offices.

* Installation and provision of **Fabric infrastructure** using **Cisco DNA.**
* Configuration of **IEEE 802.1x port-based authentication** using **Cisco ISE.**
* Configuration of **Wired and Wireless Authentication** and **Authorization profiles** on **Cisco ISE.**
* Configuration of certification based 802.1x authentication like **PEAP (Protected EAP)** and **EAP-TLS (Transport Layer Security)**.
* Software Upgrade of **Cisco DNAC**, **Cisco Wireless LAN Controller**, **Cisco 9300 switches** and **Cisco 9500 routers.**
* Configuration of **underlay and overlay** network using routing protocols like **iBGP, eBGP and IS-IS.**
* Use of route filtering technology like **Route-map,** **Prefix-list, Distribute-list** to prevent route flooding between remote office and data centres.
* Use of **Service-policy, Class-map, Policy-map, access-list** to identify latency sensitive real-time, interactive traffic and mark as a **DSCP 46.**
* Configuration of **PIM Sparse mode, Source specific Multicast and Rendezvous Point (RP).**
* Configuration and administration of **Aruba controllers.**
* Configuration and provision of **IoT (Internet of Things)** devices and troubleshoot any network issues.
* Liaise with **Audio Visual** and **Video** team to troubleshoot any **multicast** issues.
* Work with Project manager and Voice Tech Lead for roll out of **Cloud based Ring Central Telephony solution** across HQ and all remote offices.
* Investigate **Ring Central probe test** failure and resolve any network issue.
* Liaise with **Verizon, Level 3, Vodafone, Telefonica** to configure QoS on CP devices.
* Configure **QoS class** and **re-marking Voice traffic as EF (Expedited Forwarding)** on LAN and checkpoint firewalls to give high priority and low latency to Voice traffic.
* Configuration of **Direct connect and Site to Site VPN from Data centres to AWS.**
* Work with **Cloud enablement** team to achieve **FT Cloud 2020 goal.**
* Responsible for configuration of **DNS and DHCP** using **Infoblox** web portal.
* Management and support of office, datacenter and cloud networks.
* Exploiting and exposing the performance of the global networks using tools such as

**SolarWinds, Graphite/Grafana, Splunk etc.**

* Responsible for continual service improvement of all network services.
* Provide support to **EUC, Infrastructure**, **Global ServiceDesk** and **Cyber Security team** to fix any network related incidents.
* Use of Project management tools e.g. **Trello**, **Atlassian Jira and Confluence**.
* Provision of **Cisco** and **Polycom** IP phones in **Cisco DNAC.**
* Troubleshoot any Network performance issues and if required raise case with **Cisco TAC** and resolve the issue.
* Configuration and administration of **Checkpoint VSX** firewalls.
* Troubleshoot problem areas as required, providing in depth network support to both

support and project teams.

* Manage and administer systems that relate to network management. This includes network

monitoring and analysis tools as well as peripheral network services like **DNS and DHCP**.

* Producing network documentation for internal network team and wider Technology

colleagues

* Ensuring operational requirements are considered and met for our products.
* Active involvement in all stages of planning of initiatives.
* Ensure all network components adhere to security standards.
* Support BAU work on **Remedy Force console** and prioritize tickets and resolve timely manner to meet **SLA.**

**Telstra Health – Dr Foster (**[**www.drfoster.com**](http://www.drfoster.com)**) June 2018 to March 2019**

**Network Engineer**

Contracted to the Dr Foster to carry out data center move & legacy Network refresh project work.

* Prepared **LLD/HLD** for new **Data Center & Branch Office** network.
* Migrated **12 x Cisco 3750 Core/Distribution stack to Cisco 9407 Switch**.
* Deployed **2 x Cisco ASA 5516 in Active/Standby mode** for redundancy.
* Deployed **WLAN Controller to configure/manage Cisco 1600 & 1850 Series access points**.
* Implemented **Firepower solution in ASA 5516-X for IPS/Control/URL Filtering/Malware protection.**
* Deployed **2 x** **Cisco Nexus 5672UP and 2 x Cisco ASA 5516** in Data Center for high redundancy.
* Implemented **vPC in Nexus environment to provide layer – 2 multipathing** in order to create Network resiliency.
* Implemented **Layer 2 Ethernet solution** to connect two data center and branch office using **Expo-E VPLS** service.
* Deployed Network monitoring tools **WhatsUpGold & Firewall Analyzer** to generate Network health & performance report on weekly basis.
* Deployed **802.1X port-based Network Access Control (PNAC)** using certificate based authentication with **Network Policy Server (NPS).**
* Responsible to configure **Cisco Nexus 5K, 7K and Catalyst 9400 series switches.**
* Responsible to configure & install **Cisco Aironet 1852 Wireless** access points.
* Responsible for smooth migration of **Static routes to dynamic routing protocol (OSPF)** with minimal network disruptions.
* Assist IT Team Lead with planning and executing key major projects e.g. relocation of two data centers, and an office move.
* Liaise with Service Desk to ensure the timely resolution of user raised work requests relating to the Network and Systems in accordance with **Service Level Agreements.**
* Mentor and support for the IT Support Analysts with escalated queries.
* Provide 3rd line support for the LAN and WAN infrastructure including trouble shooting and rectification of network problems.
* Administration and maintenance of **mission critical web and database servers.** (Predominantly Microsoft, VMware and some Linux) hosted at both the company’s head office and London data centers.
* Administration of **Office 365, DNS and Active Directory.**
* Maintenance of Anti-Spam and anti-virus systems and the setting of **new Anti-Spam policies, also includes endpoint encryption and USB port control.**
* Operational support for **Windows 10/2008/2012 R2/2016 and a small number of Linux Servers.**
* Replaced failed disks on **Nexsan** storage devices.
* Monitoring Infrastructure using WhatsUpGold, HP System Integration Manager, Dell Open Manage, Fog light and ADAudit Plus etc.,

**TechMahindra/British Telecom (**[**www.bt.com**](http://www.bt.com)**) June 2016 to May 2018**

**IP Network & Security Consultant / Network Engineer**

Contracted to the TechM to work for British Telecom on their Redcare (Fire & Security) Network.

* Doing BAU work and working on migration projects such as Core Switches (**From 10 x Cisco 3550 to 2x Cisco 4507) & Checkpoint firewall (From Nokia IP 300 to Checkpoint 4800**).
* Deployed **Cisco Netflow** across Redcare estate and responsible to provide bandwidth utilization report to avoid any **network bottleneck**.
* Responsible to configure and troubleshoot **Site to Site IPsec VPN & GRE tunnel**.
* Responsible to configure routing protocols **RIP/OSPF/EIGRP** and troubleshoot any **routing/asymmetric routing issues**.
* Responsible to take ownership of Network Incidents/provide resolutions and provide **PIR (Post Incident Review).**
* Liaison with vendors and 3rd parties to determine resolution actions.
* Responsible for smooth running of network in order to provide **alarm signaling services** to customers without any latency.
* Responsible to troubleshoot any **APN Failure** and liaising with mobile operator e.g. **(Telefonica Global, O2 UK and Three Ireland).**
* To review **HLD/LLD of ARC upgrade** project and provide feedback.
* Responsible to raise support case with **Cisco TAC** and perform any hardware replacement if required.
* To liaise with **Cisco/Checkpoint/Ipswich** for product support contracts.
* Responsible to perform complex network changes and implementation.
* Support of Network devices in a **24x7 environment using** **WhatsUpGold.**
* Performing **on-call** on Rota basis.
* Optimize network performance and monitor network activity using **WhatUpGold & Checkpoint Smart view Monitor and Tracker.**
* To **add/edit/delete Firewall rule** and configure **Anti-spoofing** for extra security measure.
* Maintain high standards in terms of written materials/documentation.
* Documentation, infrastructure/incident reports and monitoring anomalies.
* Responsible to follow **Change Management Process** to carry out any change in network.
* To create/reset domain user account on **Active Directory and configure Citrix** for end users.

**CACI Network Services (**[**www.caci.co.uk**](http://www.caci.co.uk)**) September 2015 to June 2016**

**Network Engineer**

Contracted to the Direct Line Group (DLG) to work on the high profile project following the divestment from Royal Bank of Scotland (RBS). Liaising with DLG IT infrastructure, RBS and Cap Gemini from a perimeter network perspective to migrate DLG out of the RBS datacenters to the purpose built Datacenters at Cap Gemini.

* Responsible for configuration of **Cisco and Fortigate** network devices.
* Also responsible for configuration of **F5 Big IP Devices**.
* Responsible to follow change management procedure for raising and implementing changes.
* Responsible for liaising with 3rd party e.g. **IBM and Vodafone** to troubleshoot network issues.
* Responsible for monitoring network traffic using **CACTI & generating switch port report using SWITCHMAP.**
* Ability to work on all types of incidents and resolve in timely manner.

**Menzies Aviation (**[**www.menziesaviation.com**](http://www.menziesaviation.com)**) March 2015 to August 2015**

**Network Support Engineer**

* Supporting networks of **149 airports in 32 countries** around the world.
* Responsible for **EIGRP, BGP and HSRP configuration on CE**.
* Responsible for configuration of **Phase 1, 2 and 3 DMVPN**.
* Responsible for configuration of firewall rules using **object-group in Cisco ASA 5500 Series**.
* Configuration of **WLAN controller and CUCM for administration of Cisco IP phones.**
* Troubleshooting of **LAN/WAN** routing issues on daily basis.
* Responsible for configuration of **ADSL routers** and connection test remotely as well as onsite.
* Responsible to support networks across two Data centers.
* Ability to use **Net flow and Nagios** for network monitoring and track down outage in network.
* Responsible for raising incident with **ISP e.g. Vodafone, BT and Sprint etc.,**
* Responsible for configuring **SNMP on WAN routers for network monitor using Net flow.**

**Sentronex (**[**www.sentronex.com**](http://www.sentronex.com)**) April 2013 to March 2015**

**Network Support Engineer**

In essence, I was responsible to provide Network Support and Configuration & Implementation of new Network for Sentronex and its clients as below:-

* Responsible to create new **VLAN/Configuration of Data and Voice VLAN and configuration of Access/Trunk ports.**
* Implemented **VTP to replicate VLANS** on switches and reduced administrates work.
* Responsible for configuration of **Cisco Catalyst 2960/3750 series switches** and Linksys Switches.
* Responsible for configuration of **Cisco ASA 5505/Routers/Wireless Access Points and ADSL wireless routers.**
* General administration/troubleshooting of LAN and WAN Environment in IP network.
* Responsible to gathering customer requirements and set up **IPsec Site to Site and Remote VPN.**
* Implemented First Hop Redundancy using protocols like **HSRP/VRRP/GLBP** as per requirements.
* Also responsible for configuration of **STP/RSTP/MST** to avoid looping and maintain robust and reliable network.
* Implemented **VTP Pruning** to enhance network bandwidth by restricting unnecessary traffic to unused Vlans.
* Responsible for liaising with third party vendors like **ExpoE, Colt, Virtual1, HP and Dell** to troubleshoot Network Issues.
* Responsible for deployment of Windows client and Server operating systems on workstations/Laptop and HP/Dell Servers.
* Also responsible for installation of Server roles like **Active Directory/DNS/DHCP/File Servers** etc.,
* Responsible for troubleshooting of server issues and keep an eye on critical server issue using Logic monitor.
* Installation and configuration of **Cisco and Avaya IP Phones**.
* Also responsible for managing and administering of **Exchange 2010 and Windows Server 2003, 2008 and 2012.**
* Setting up/deletion/moving of user accounts, security and printers.
* Troubleshooting of Windows profile issues and ability to use different Anti-Virus software to keep safe and secure users workstations.
* Responsible for installation and configuration of Trading software’s like **Bloomberg, Fidessa and Squawker etc.,**
* Implemented **VMware workstations** for cost cutting by reducing requirement of physical servers.
* Creating IT Support tickets using ticketing software Auto task and responding as per SLA.
* Also responsible for successful server backups and deployment of tapes to offsite storage.
* Responsible to **upgrade RAM** and change of **failed hard disks** in Server, Workstations and laptop.
* Also responsible to provide support for **smart phones, iPad, Tablet and Blackberry**.

**Johnston Enterprise May 2012 to April 2013**

**Network Engineer**

In essence, I was responsible to ensure the smooth running of network and users get maximum benefits from them.

* Responsible to create network for clients and performing installation of Cisco Switches/Routers according to their requirements.
* Installation of **LAN Switches**.
* Creating and changing existing **VLANs, Access port, Trunk ports** and IP addressing.
* Checking **spanning-tree and HSRP configuration**.
* Patching and tidying of coms room Network devices and server cabinets.