



2nd

Pippa Newton

Network Engineer at The Pathology Partnership

TMX Atrium • Synergy Networxx

Much Hadham, Hertfordshire, United Kingdom • 77

I have studied for CISCO (Routing and Switching) CCNA to CCIE and I am competent in the following :

- Operation of IP Data Networks - How routers, switches, bridges and hubs work, different media types and how data actually flows from one device to another at the packet level
- Cabling, IPV4/IPV6, LAN Switching Technologies, IP Routing Technologies, Network Device Security and WAN Technologies
- Implement an EIGRP based solution, given a network design and a set of requirements, document results of EIGRP implementation and verification
- Configure OSPF routing, document results of OSPF implementation and verification plan
- Good practical understanding of Subnetting and Advance Subnetting techniques like VLSM
- Configuration of Cisco Routers Series 26xx, Cisco 28xx, Cisco 36xx, Cisco 2950, 3560 and 3750 Switches
- Implementing basic strategies for security/Cisco IOS firewalls and Implement an IPv4 based redistribution solution
- Create an eBGP implementation plan, Determine network resources needed for implementing eBGP on a network, Create an eBGP verification plan
- Configure eBGP routing, Verify eBGP solution was implemented properly using show and debug commands, Document verification results for an eBGP implementation plan
- Implement Path Control based upon the results of the redistribution analysis
- Connecting and Troubleshooting an Enterprise Network using IPv6
- Implementing VLANs in Campus Networks, Implementing Spanning Tree
- Implementing Inter-VLAN Routing, Configuring Switch Security
- Implementing First Hop Redundancy in a Campus Environment
- Troubleshooting NAT, PAT, DHCP, IPv6 and IPv4 interoperability
- Troubleshoot loop prevention, Access Ports for the VLAN based solution.
- Troubleshoot private VLANS, port security, general switch security, SVIs etc [See less](#)

Education



Synergy Networxx

Studying for CCNA, CCNP and CCIE
2014 - 2015

A practical hands on course for graduate network engineers. Includes practical workshops building and trouble shooting networks.



University of Hertfordshire

Computer Science
2010 - 2014

Activities and Societies: Active member of the MS Society arranging fundraising events. Member of the Squash Club and Athletics Union. One of four students who set up Studio Hatch, a small creative design agency producing work for both internal and external clients.

Experience



NOC Engineer

TMX Atrium
Mar 2017 - Present • 4 mos
London, United Kingdom



Network Engineer

The Pathology Partnership
Aug 2016 - Sep 2016 • 2 mos



Infrastructure Engineer

niu Solutions
Mar 2015 - Jul 2016 • 1 yr 5 mos



Part time Bar Staff

The Star Public House
Nov 2013 - Mar 2015 • 1 yr 5 mos
Bishops Stortford

Working part time bar staff to fund my networking qualifications!