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| brennen tse  Cisco CERTIFIED CCNA | | |
| professional summary |  |  |
| ProtocOls |
| I am a highly-motivated student who has experience in STEM, networking, robotics, cybersecurity and engineering. Graduated from Newport High School and is currently enrolled in Georgia State University’s computer engineering transfer program (REP). I was the President of Newport’s Cisco Project club from 2020-2022. |  | * OSPF * LWAPP * EIGRP * CAPWAP * eBGP/iBGP * VRF * SSH * Telnet * INTER-VLAN ROUTING * HSRP * STP * EtherChannel * RADIUS/TACAS+  DEVICES  * CISCO 4321/2901 Router * CATALYST 3750/3560 Switch * pa-220 * Yoga 260 * CISCO AIRNET 1700 * Cisco AIR-CT5508 WLC  Software  * VSCODE * Putty * WireShark * ASDM * Global Protect * PAN-os * AWS-CLI * Virtualbox * PFSENSE |
| certifications |
| * **AWS Certified Cloud Practitioner (AWS CLF-C01)** * **Cisco Certified Network Associate (CCNA 200-301)** * **MTA: Security Fundamentals (2022)** * **MTA: Networking Fundamentals (2021)** |
| Experience |
| **CCNA and CCNP**  Newport Networking Academy, 20-22   * Completed Cisco CCNA, CCNP, and Cybersecurity courses under instruction of Jeffery Mason and Michael Hansen with A’s in all semesters   **President of Cisco Project Club at Newport High School 20-22**   * Elected and led/managed the Cisco Project Club, partnering with the Bellevue Rotary Club for community outreach projects. * The projects included configuring all-in-ones for use in food banks to create a catalog and database system. * Wiping and configuring previously owned BSD laptops to be used in Antigua for kids K-12. * Configuring Cisco LWAP’s for use as Autonomous WAPs connecting wireless systems from separate buildings in Antigua. * Set up CISCO racks with 4321 Routers, 3750 Catalysts, Palo Alto Firewalls * Fixing broken UPS’ and Laptops |
| Skills |
| * Effective communication and networking skills * Efficient troubleshooting and problem management * Ability to work well under pressure and meet deadlines * Quickly able to achieve proficiency in new hardware and programs |
| **MULTI-AREA OSPF**  -Increased network speeds and performance by creating and bridging 3 OSPF areas and implementing a multi-area topology. | | |
| **EIGRP**  -Implemented continuous high-speed data transfer with a mix of modern and legacy equipment by configuring EIGRP to route network information efficiently and implemented variance values of 2 or more to load-balance unequally across links of different speeds (1544 kbps vs 256 kbps). | | |
| **eBGP Redistribution**  -Facilitated the seamless and dynamic routing of traffic through redistribution of different routing protocols (OSPF/EIGRP) configured on 3 different sites and a EBGP connection.  -Reduced costs by allowing easy integration of network topologies with different routing protocols into the overlying network. | | |
| **IBGP**  -Configured IBGP to forward EBGP routes and traffic over underlying routing protocols like EIGRP/OSPF, allowing for coherent internal connections and later route redistribution over 5 areas with 3 different protocols.  -Using IBGP keeps routes from being continually redistributed into every new IGP it encounters, instead offering a standard and overarching framework for route redistribution. | | |
| **VRF Lite**  -Configured 2 different networks to communicate securely using the same underlying hardware, interfaces and IP addresses using VRF Lite, OSPF and subinterfaces. | | |
| **AWS EC2, RDS, Load Balancer**  -Developed, configured, backed up, and monitored several AWS VMs.  -Deployed and configured AWS relational database service with RDS interfaced by a web application to edit and view contents of that database.  -Deployed and configured automatic load balancing and instance launchers for scalability used to initiate new instance deployments. | | |
| **STP/EtherChannel Routing and HSRP Redundancy**  -Implemented network redundancy through Hot Standby Router Protocol to reroute packet if the primary router goes down.  -Provided high-speed links and redundancy by bundling multiple ethernet links into one aggregate link through Etherchannel.  -Prevented routing loops from being created in LANs with multiple interconnected switches through STP. | | |
| **PALO ALTO SOHO ENVIRONMENT**  -Setup a SOHO configuration on the PA-220 firewall using the WebGUI. | | |
| **PALO ALTO SITE-TO-SITE VPN**  -Provided secure internet access to users by creating a VPN through a Palo Alto PA-220 firewall. | | |
| **AAA (RADIUS and TACACS+)**  -Provided authentication and authorization of logins and users for routers and firewalls by configuring AAA through RADIUS and TACACS+. | | |
| **WLC/WAP Configuration**  -Extended and secured a wireless network by configuring a Wireless Lan Controller with two Wireless Access Points.  -Added further security using passwords, VLANs and ACLs. | | |
| **PFSENSE**  -Provided security to Linux and Windows virtual machines and servers by configuring PFSENSE to serve as a both a router and a firewall. | | |