

Stephen Bizzarri

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(650) 387-5803

Skills

- Network Infrastructure design, architecture, deployment, maintenance and monitoring across technologies from Cisco CATos, Cisco IOS, and Nexus
- Route/Switch Specialist including OSPF/EIGRP/BGP/Static routing and L2/L3 developments including VLANs, VRFs, NAT, PAT, DHCP, private and public subnetting and IP allocation.
- Network Hardware Configuration and deployment including initial set up, OS updates, rack planning and management, cable management, and device installation.
- Network Security expertise across Juniper, Sonicwall, Palo Alto, and other Firewall technologies.
- Extensive Firewall traffic flow experience tailoring rules and access lists to fine tune security and usability

Experience

Steward Health Care – Remote

Sr. Network Engineer

October 2019 – Present

- Designed and implemented 50+ LPO, VPC, and AAEP configurations for a two pod ACI environment.
- Worked with various departments to troubleshoot and improve existing server/ACI configurations for optimal service efficiency
- Review the designs for and built configurations for the integration of a third ACI pod into an existing two pod ACI environment
- Created configurations for OSP interconnect enabling internal access to core services between two merging corporate environments utilizing NAT and Redistribution solutions.
- Administered and Maintained about 300 VIPs for various applications, primarily HTTPS
- Upgraded and maintained private BGP network spanning 20+ offices and hospitals using traffic prioritization and route shaping to ensure efficiency and reduce latency for nationwide connections.
- Utilized VRFs, route leaking, and NAT solutions to integrate and onboard legacy and acquired services to prevent conflicts and secure access.
- Completed intensive clean up and streamlining of Infoblox DHCP and IP management tools to reduce IPV4 waste and intelligently distribute subnets
- Configured Infoblox Grid Manager and QIP for IPAM, DNS and DHCP according to enterprise standards

Brooks Automation – Chelmsford, MA

Sr. Network Engineer

November 2018 – October 2019

- Configured, installed, and maintained Cisco Catalyst OS and IOS products, on site and remotely
- Full ownership of Cisco Meraki Aps including deployment, positioning, network and SSID configuration and management
- Juniper ScreenOs deployment, monitoring and maintenance.
- Deployment and maintenance of a global site to site VPN interlink including best practice audits and wall to wall rebuilds
- Generated custom TCP profile to increase default timeout from 5 minutes to 60 minutes
- Utilized Infoblox grid manager to facilitate IPAM, DNS record updates and DHCP scope updates
- Enabled user information in Application Command Center and reports by leveraging Palo Alto User-ID

- Utilize Solarwinds network monitoring tool for proactive warning of any issues with network nodes
- Used SolarWinds KIWI Syslog Server to monitor and maintain all LAN based devices in the Client's North American sector and performed troubleshooting to resolve all issues
- Experience with both static and dynamic routing protocols including a static route mesh network and dynamic protocols such as OSPF, BGP and EIGRP

Steward Health Care – Dorchester, MA

Sr. Network Engineer

May 2018 – November 2018

- Performed on-going network maintenance, analysis and improvement duties including; hardware upgrades/refreshes, infrastructure expansions, configuration change controls, and design/architecture
- Upgraded the design and efficiency of a private BGP network spanning between Texas, Massachusetts, and Florida
- Configuration and implementation of over 300+ Client/Server SSL Profiles on F5 LTM for mutual authentication
- Maintained a two pod ACI environment including training staff on the general functionality, uses, maintenance, and upgrade process
- Designed and developed a BGP interconnection between two large multi-state independent BGP networks
- Designed, configured, and led the deployment of Catalyst 9500 and 9300 devices within the corporate environment
- Transitioned Microsoft DHCP and DNS configuration standards to Infoblox and implemented DHCP scopes/options and DNS A records, CNAMEs, MX records etc. via grid manager
- Worked with server teams issue them subnets of varying sizes using QIP and Infoblox
- As part of network hardware refresh, analyzed WAN circuit utilization to identify locations requiring circuit re-sizing
- Utilized Cisco NAM-2's, Solarwinds Orion and Netflow collection to proactively monitor and troubleshoot the network
- Utilized Solarwinds Orion network tools to pro-actively identifying network problems
- Integrated with several distinct teams to ensure a enterprise wide site build out was completed successfully

United Airlines – Elk Grove, IL

Sr. Network Engineer

July 2017 – May 2018

- Migrated a legacy 6500 core to a Nexus 7010 core / 5548 distribution / 2248 as TOR solution with VPCs
- Deploying and decommission of VLANs on core ASR 1K, Nexus 7K, 5K and its downstream devices
- Designed and implemented Cisco Fabric Path design consisting of 20 nodes across 4 spines and 8 leaf pairs with over 80 Nexus 2K Fabric Extenders
- Utilized the Palo Alto migration to aid the transition away from older Checkpoint firewalls to Palo Alto 3060s and 5050s
- Implemented a private cloud with a Palo Alto Wildfire appliance for compliance with privacy standards
- Utilized Palo Alto Wildfire for threat prevention from malware and exploit activity
- Designed/configured/implemented Cisco ASA and router site to site IPSEC VPNs to connect to CUCM
- Utilized Wireshark packet sniffer and Solarwinds to test network performance
- Utilized Infoblox IPAM as a replacement to companies pre-existing IP Address Management Solution
- Management of both public and private IP space using Infoblox IPAM

Education

Palo Alto High School

Foothill College

Aston Technologies Network Engineer Training

References available upon request.