

Stephen Sarachman

Network Engineer

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OBJECTIVE

A Senior Network / Systems Engineer with extensive experience in design, installation, configuration, administration, and troubleshooting of LAN / WAN infrastructure and implementing security standards. Dedicated to staying up to date on emerging technologies and industry best practices. -

EXPERIENCE

IT Infrastructure Support Engineer (Remote Contract)

State of New Mexico Human Service Department

Santa Fe, NM

January 2024 - Present

- Responsible for all aspects of New Mexico HSD Network Infrastructure
- Complete all tasks assigned to State of New Mexico security standards

Senior Network Engineer

Salus University

Elkins Park, PA

June 2022 - December 2023

- Responsible for University Networks at Multiple Locations
- Experience in configuring, managing, supporting and troubleshooting Cisco ASA (Adaptive Security Appliance) firewalls, including ASA 5500-X series.
- Proficient in working with Cisco Firepower Next-Generation Firewalls
- Experience and knowledge of Firepower Threat Defense (FTD) and Firepower Management Center (FMC)
- Installation configuration, managing, supporting and troubleshooting of Cisco Firepower 1100/2100 using FMC, FTD, FDM, and CDO
- Strong understanding of network security principles and best practices, ensuring secure access controls using Cisco ASA and Firepower technologies
- Experience troubleshooting and resolving complex network issues to resolution
- Proven ability to design, deploy, and manage VPN solutions using Cisco ASA and Firepower appliances, including site-to-site VPNs and remote access VPNs
- Proficient in utilizing Cisco FMC to centrally manage, monitor and troubleshoot security policies across multiple Cisco Firepower deployments
- Configuration of Cisco Routers and Switches as well as support, troubleshoot and resolve issues
- Extensive use of VLANs and ACLs
- Installation configuration of Meraki WIFI Access Points and Cameras using cloud-based Management
- Creating Python scripts to backup all network devices
- Experience with SolarWinds Orion
- Experience with MS SQL
- Experience with Darktrace AI THREAT MANAGEMENT device
- Member of the University Security Task Force
- Documentation of all aspects of the network configuration and infrastructure
- Responsible for creating and updating Visio Network Diagrams
- Some experience with Azure and Microsoft Intune
- Experience with VMWare
- Experience with using Wireshark to Analyze Router/Switch/Firewall issues through Packet Captures
- Responsible for VOIP phone system
- Linux Experience (Ubuntu/Red Hat)
- Strong documentation and communication skills, with the ability to create detailed reports and present findings to technical and non-technical stakeholders

- Experience with PowerShell and Python for scripting

Senior Systems/Network Engineer

June 2005 – June 2022

Horsham, PA

ReedTech

- A Reed Elsevier and LexisNexis subsidiary
- Deployed and configured network devices to adhere to FISMA NIST STIG standards, ensuring security practices were met and compliance
- Adoption of zero trust environment to meet growing security threats
- Responsible for installing, configuring, and troubleshooting network equipment including Routers, Switches, Load Balancers, Firewalls and other network connected devices.
- Responsible for network issues including troubleshooting, isolating and resolving issue and creating incident report
- Responsible for Palo Alto Firewall configuration/setup including but not limited to Site-to-Site VPNs, Global Protect, QOS, High Availability, Security Policy creation, Object creation, integration with radius and LDAP, User ID setup for web filtering, and more
- Experience with Cisco ASA Firewalls hardware, responsible for configuration/setup including VPNs, AnyConnect
- Experience with Cisco Routers 2900 -3900 series, ASR1001-x, ISR4300, VPN Concentrators and switches 2900-3750, 9000 and 9100 series (Nexus mode), Cisco ONS 15454
- Experience with F5 and Kemp Load Balancers, Configuration and Setup
- Experience with HP Procurve, HPE Comware, Extreme and Dell Switches
- Experience with Dell PowerEdge FX2 hybrid rack-based computing with flexible blocks of compute and storage resources/blades, including i/o switching modules
- Experienced with T1, DS3, Gigabit Ethernet WAN circuits including Point-to-Point and internet circuits
- Experience with MS Operating systems, Windows 7-10 / Windows Server 2003, 2008, 2012, 2016, 2019
- Responsible for 24/7 network operations including support, troubleshooting and resolving issues at multiple locations
- Responsible for Microsoft Server PKI virtual environment deployment including 2-factor authentication IPSEC VPN using Aladdin/SafeNet PKI eToken
- Experience with SNMP monitoring using SolarWinds and Nagios
- Experienced with Radius setup and implementation
- STIG and CIS implementation, troubleshooting and resolving any related issues
- Experienced in network monitoring using SolarWinds Network Tools, Orion, Wireshark, dumpcap, Zenmap, PRTG
- Responsible for all documentation of network and server infrastructure using Visio for diagrams and MS Word, MS Excel, MS Access for other documentation, also Infoblox.
- Configuration, and testing of Silver Peak WAN Optimization Appliance
- Responsible for Aruba WIFI Controller and WIFI Access Point configuration, setup and deployment
- Some experience with Azure, AWS, Terraform, and GitHub
- Some experience with Windows Subsystem for Linux, Linux (Ubuntu/Red Hat)
- Experience with PowerShell and Python for scripting

Network Engineer

Hayes, Inc.

Lansdale, PA

July 2003 – June 2005

Responsible for network infrastructure design including LAN/WAN

Senior Network Engineer

Automated Payment Services, Inc.

Jenkintown, PA

October 2002 – June 2003

Responsible for network infrastructure design including LAN/WAN

EDUCATION

Bachelors in Business Administration

Doylestown, PA

Associates Electronic Engineering

RETS Electronics School

Broomall, PA

SKILLS

- Self-motivated with excellent organizational and time management skills. Ability to effectively think through problems until an appropriate resolution is found, excellent interpersonal and communication skills, ability to effectively communicate with users at all levels, ability to plan and implement projects, detail-oriented with excellent written skills, ability to create detailed and correct documentation of processes, flexibility to adapt to new challenges, quick learner with a strong desire to constantly learn and improve myself and help others learn and improve as well, believe strongly in a team concept where cooperation and teamwork lead to desired results.
- Network design
- Router configuration
- Firewalls configuration
- VLAN implementation
- Routing protocols
- Switch configuration
- Security implementations
- DNS management
- Load balancing
- Network monitoring and troubleshooting
- Visio for Network Diagrams

PROJECTS

- Site-to-Site VPNs for multiple Sites using Cisco Router and Palo Alto Firewall
- Creation of DMZ with added security zone per government requirements
- Cisco Firewalls Upgrades Pix to ASA and ASA to Firepower
- Implementation of Palo Alto Firewall, Global Protect with multi-factor authentication using eToken
- Implemented security processes based on NIST and STIG guidelines
- Detailed Documentation of network settings and security practices
- Moving business from existing location to new location with zero network downtime
- Designed and implemented business office network infrastructure, starting from the ground up

ACHIEVEMENTS

During my time at ReedTech I received multiple awards for various projects that I completed including but not limited to, connection redundancy to the Internet, replication of all production data to a satellite office, networking support of various business initiatives, creation of segmented network for different business units. Network integration of multiple business acquisitions.

CERTIFICATIONS & COURSES

- Multi Cloud and DevOps Bootcamp | The Cloud Bootcamp LLC 1/2024
- Cisco CCNP Enterprise ENARSI 300-410 | GlobED LLC 11/2023
- AWS Certified Cloud Practitioner CLF-01 Bootcamp | Kevin Wallace Training, LLC 1/2021
- Cisco Certified Network Associate (instructor Version) | Cisco Networking Academy (UK Virtual) 10/2015
- Palo Alto Networks: Firewall Essentials Configuration and Management| Weston Technology Solutions 4/2014
- Palo Alto Networks: Firewall Troubleshooting | Weston Technology Solutions 4/2014
- Cisco Certified Network Associate | Montgomery County Community College 10/2005

HONORS & AWARDS

Member of Alpha Sigma Lambda Honor Society