

Andrew Savener

Lead Infrastructure and Network Engineer

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PROFESSIONAL SUMMARY

Infrastructure and Network engineer automating datacenter operations including compute, storage, and networking. Broad experience designing and implementing robust, resilient, agile solutions with an emphasis on providing the best end-user experience possible, while maintaining security, stability, manageability, and recoverability.

EXPERIENCE

LEAD INFRASTRUCTURE AND NETWORK ENGINEER

Apr 2013 - present | Dimensional Fund Advisors , Austin, TX

- Interim manager (October 2019 through January 2021) for a global team of ten. Successfully transitioned to fully remote during the pandemic. Focused on team cohesion, process development and improvement, collaboration with other teams, determining roles and responsibilities, and obtaining team training.
- Lead initiatives and projects. Mentor other engineers.
- Support approximately 2400 physical and virtual servers (Windows, Linux, VMware) and 1,600 users for this financial services company. Achieved 100% virtualization. Reduced datacenter footprint by 50%.
- Install, configure, manage NSX-T. Migrate workloads from distributed virtual switch to NSX-T. Develop distributed firewall infrastructure-as-code proof of concept using python and Terraform.
- Collaborate with security, database, and network team to achieve compliance and security objectives ■ Design, install, configure, manage, and document software solutions. (vRealize Operations, vRealize Automation, ADFS, Varonis, etc.)
- Perform complex troubleshooting and root cause analysis, including research into performance and availability.
- Act as subject matter expert for VMware vSphere and vRealize (vROps, vRA, vRB, etc.) products.
- Act as subject matter expert for HPE Synergy, vBlock, Cisco UCS and Nutanix infrastructure.
- Troubleshoot and resolve performance issues. Resolve storage latency, CPU and memory contention
- Design new vSphere infrastructure. Improving virtual network configuration, correctly implementing resource pools to ensure performance, and reduce the number of clusters.
- Provide Tier II and Tier III support for a mixed environment of VMware, Citrix, Windows, and Linux servers
- Support the development teams (Dev/Ops). Deploy servers, analyze performance, configure permissions, etc
- Develop standards and automation for server deployments.
- Manage and update global VMware vSphere environment utilizing Powershell and vCenter. Eight sites globally

SENIOR NETWORK ENGINEER

Aug 1998 - Apr 2013 | CoNetrix , Lubbock, TX/Austin, TX

- Provided highest level of technical expertise, troubleshooting ability, project management, and customer service both in-house and to the customers of this technology consulting company specializing in financial institutions. (95% customer-facing role)
- Performed advanced troubleshooting on complex networks. Diagnosed and remediated issues related to asymmetric routing, route flapping, route redistribution, network address translation (NAT), and traffic inspection/IPS.
- Designed, installed, configured, and supported VMware vSphere 4.1 and 5.1 for multiple customers.
- Installed, configured, managed Authentication/Authorization/Accounting (AAA) solutions (TACACS+, Radius, AD/Kerberos integration, etc.)
- Supported and managed multiple Windows Active Directory environments, including new installs, in-place upgrades, group policies, functional level upgrades, DNS, trust relationships, and multiple-domain forests.
- Migrated customers from physical servers to virtual environments.
- Designed, implemented, and supported network solutions (Firewalls, DMZs, border networks, intrusion prevention, VLANs, etc.) for multiple financial services firms using Cisco ASA and other firewall solutions.
- Provided Tier II and Tier III support for VMware, Cisco, Windows, Citrix, and Linux/Unix environments.
- Supported customer base totaling approximately 200 servers, 1500 desktop systems, and 150 routers. Entity sizes ranged from single locations to multi-domain forests with 30 sites and a mobile workforce.
- Performed network assessments and created remediation strategies to correct deficiencies.
- Performed security audits. Audited firewall and security settings for multiple financial institutions. Created process for these audits, including review of current settings and recommended changes.
- Utilized encryption and virtual private network links to connect private networks securely over wireless links and the Internet.
- Deployed, configured and managed Microsoft Exchange for multiple customers.
- Installed and supported iSCSI storage networks (SANs) for multiple customers (NetApp and HP equipment).
- Configured and managed WAN connections. (VPN/DMVPN/VTI, wireless, MPLS, frame relay, P2P, vLAN/VLS, etc.)
- Designed resilient WAN solutions for multiple customers. Utilized HSRP and VRRP to avoid single points of failure and dynamic routing to automatically fail over to secondary connection when primary connection was lost. Convergence time was less than two minutes.
- Utilized Wireshark and other packet capture tools to identify and troubleshoot network connectivity issues.
- Hardened networks and servers against potential threats.

EDUCATION

BACHELOR OF ARTS IN APPLIED SCIENCE - ANTICIPATED COMPLETION DECEMBER 2022

University of North Texas

CERTIFICATIONS

ITIL FOUNDATION CERTIFICATE IN IT SERVICE MANAGEMENT

CISCO CERTIFIED NETWORK PROFESSIONAL ROUTE/SWITCH (CCNP , EXPIRED)

AZURE SECURITY TECHNOLOGIES TRAINING (AZ-500, 6/2021)

MICROSOFT CERTIFIED SYSTEMS ENGINEER (MCSE), MICROSOFT CERTIFIED SYSTEMS ENGINEER: SECURITY (MCSE: SECURITY)

RED HAT CERTIFIED SYSTEM ADMINISTRATOR (RHCSA, CERTIFICATION NUMBER 130-215-288)

VMWARE CERTIFIED PROFESSIONAL 6 - CLOUD MANAGEMENT AND AUTOMATION (VCP6-CMA) - CERTIFIED 3/1/2017

VMWARE CERTIFIED PROFESSIONAL 6 - NETWORK VIRTUALIZATION (VCP6-NV) - CERTIFIED 3/9/2015

VMWARE CERTIFIED PROFESSIONAL – DATACENTER VIRTUALIZATION (VCP-DCV) - CERTIFIED 4/22/2010

—SKILLS—

AUTOMATION: DEPLOYMENT, CONFIGURATION, AND WORKFLOW AUTOMATION USING POWERSHELL, TERRAFORM, PYTHON, VREALIZE ORCHESTRATOR (VRO), VREALIZE AUTOMATION (VRA), V
NETWORKING: NETWORK DEPLOYMENT, OPERATIONS, AND TROUBLESHOOTING. EXPERIENCE WITH NETWORK DESIGN, MICRO-SEGMENTATION, ROUTING AND SWITCHING, FIREWALL CONFIGUI
DATA ANALYTICS: DATA PREPARATION, CROSS VALIDATION, CLASSIFIERS AND PREDICTORS, DIMENSION REDUCTION, ETC.
VIRTUALIZATION: VMWARE SUBJECT MATTER EXPERT. EXPERIENCE WITH ESXI, NSX-T, VCENTER, VREALIZE AUTOMATION, VREALIZE OPERATIONS MANAGER, VREALIZE LOG INSIGHT, VREALIZ
CLOUD: AZURE/M365 GLOBAL ADMIN, AZURE AD, SOME EXPERIENCE WITH AWS, AND GOOGLE CLOUD PLATFORM (GCP).
STORAGE: DFS, SMB/CIFS/NFS, FIBRE CHANNEL, ISCSI, STORAGE ARRAYS, DIRECT ATTACHED STORAGE, RAID CONFIGURATION, FIBRE CHANNEL ZONING, PERFORMANCE TUNING
SECURITY: EXPERIENCE WITH QUANTITATIVE RISK ANALYSIS, MICRO-SEGMENTATION, DMZ DESIGN AND IMPLEMENTATION, FIREWALL CONFIGURATION, INTRUSION PREVENTION AND DETECT
WINDOWS: EXPERIENCE WITH NETWORK DESIGN, OS INSTALLATION, OS TROUBLESHOOTING, DOMAIN CONTROLLERS, DNS, ACTIVE DIRECTORY, GROUP POLICIES, REMOTE DESKTOP SERVICES,
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