

Matthew J. Schneider

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Possesses more than 15 years of experience specific to Systems engineering, design, deployment, sustainable operations and monitoring. Designed, deployed and managed over eighty NetApp storage arrays, multiple VMware environments consisting of three-hundred Cisco UCS ESX hosts and thousands of guest servers running RHEL, Windows and Solaris. Lead and trained team members in server administration, troubleshooting, compliance, deployment guidelines and standards. Experience with PCI compliance standards, application and remediation.

SKILLS

- Systems Engineering
- Organizational Integration
- Process Improvement
- Event Management & Troubleshooting
- Infrastructure Design
- Operations Management
- Resources Utilization
- Team Training/Mentoring

PROFESSIONAL EXPERIENCE

Charter Communications, Brandon, FL

2004-2017

Acquisition of Bright House Networks and Time Warner Cable (occurred May, 2016).

Senior Storage Engineer

Critical member of newly formed I.T. Storage Team comprised of engineers from all three companies. Charged with integrating all legacy company's SAN and NAS storage assets, which consisted of hardware from nearly all major enterprise storage vendors. Experienced in workflow design and execution of storage migrations between different storage vendors.

Achievements

- Pioneered a project written in Python that polled capacity metrics from all storage vendor APIs, forwarded to an InfluxDB and presented via Grafana dashboards. This project provided a free, top-down and up to the minute view of all storage, which allowed for precise capacity planning, clear budget requirements and a successful gap fill while funding was procured for NetApp OnCommand Insight; a \$24 million product.
- Created documentation and playbooks to cross-train co-workers on supporting each other's infrastructure.
- Simultaneously supported former role of Systems Engineer while responsibilities were transitioned to other teams; during this transition, the company experienced no major interruptions in service.
- Deployed storage and virtual infrastructure management and performance monitoring solutions.

Systems Engineer II (Bright House Networks)

2014-2016

Subject Matter Expert for Enterprise Storage for over 100 storage systems and 8PB capacity; majority consisting of NetApp storage arrays, cluster mode and 7-mode. At one point, maintained the largest NetApp cluster mode deployment in Florida.

Achievements

- Deployment and operational management of physical and virtual servers and their OS, layer 3-4 network configuration, A10 Load Balancers management, DNS services, AD & LDAP authentication, NTP services, SNMP relays, configuration management via CFEngine and SaltStack.
- Experience using Python and PowerShell to manage VMware, NetApp, MS SQL and Active Directory.

Systems Engineer (Bright House Networks)

2009-2014

Systems engineering and operations generalist and Subject Matter Expert for Enterprise Storage. Supporting multiple VMware environments hosting thousands of servers as well guest OS support and its underlying physical infrastructure.

Achievements

- Designed custom event/alarm escalation processes and workflows utilizing free software suite NetApp OnCommand, Python scripts and existing monitoring platforms (Zenoss) at zero additional cost to the company. Alarm processes also contained event “clear” mechanisms; a highly-desired feature which greatly improved work-life balance for fellow employees.

Senior Systems Administrator (Bright House Networks)

2005-2009

Managed Systems IT Infrastructure for Tampa and Central Florida, which hosted and provided services to the entire company. Services included Physical and Virtual Server administration, backup/archive/disaster recovery, Active Directory, MS Exchange, MS SQL and Oracle RAC. Operating systems supported include, Red Hat Enterprise Linux, Oracle Enterprise Linux, Solaris 8/9/10 (SPARC and x86) and MS Windows Server. Led and trained Junior Admins in troubleshooting, deployments and administration. Vendor products and technologies supported include Veritas Storage Foundation, Veritas Cluster Server, Hitachi SAN, NetApp SAN/NAS/VTL, Veritas NetBackup and VMware ESX environment running on HP Blade Chassis.

Achievements

- Designed, deployed and managed a total backup/disaster recovery solution using NetBackup, Sun StorageTek Tape Libraries and NetApp VTLs. This project resulted in a 99% reduction in backup failures, increased RTO/RPO capabilities and significantly decreased the operational impact on time sensitive applications and databases by reducing backup windows by up to 90%.
- Assisted in designing and deployment of VMware ESX environment on HP blade chassis as well as daily use of it thereafter. Also, fully transitioned from FC Datastores to NFS Datastores.

Systems Support Analyst (Bright House Networks)

2004-2005

Monitored and managed large-scale events for the company’s backbone fiber network, datacenters, cable plant and customer facing services and applications, which serviced over 1 million subscribers. Troubleshot and escalated issues to responsible internal and external fix agents, while managing multiple events.

Network Administrator / Help Desk Supervisor

2000-2003

United States Marine Corps, San Diego, CA

Administered servers which provided Email, File/Print and Department of Defense specific application services for HQ Marine Aircraft Group 16 and its 8 subordinate squadrons. Additional role as Information Systems Security Manager (ISSM) responsible for security audits, compliance standards implementation and IAVA remediation.

Achievement

- Navy and Marine Corp Achievement Medal – 48 hours prior to the deployment of Landing Force-West, 1st Marine Expeditionary Force, assisted with the configuration of Marine specific data networks on 7 amphibious assault ships resulting in reliable information systems during the initial Iraq invasion.

EDUCATION | PROFESSIONAL TRAINING & DEVELOPMENT | CERTIFICATIONS

Bachelor of Applied Science, Technology Development and Management (in progress) – St. Petersburg College

Red Hat Certified System Administrator (RHCSA)

NetApp Certified Implementation Engineer, Data Protection Specialist (NCIE)

NetApp Certified Data Administrator, ONTAP (NCDA)

Vendor training • Cisco, NetApp, Red Hat, EMC, VMware, Microsoft, Veritas NetBackup

Online/Self-paced studies • COURSERA's Python game creation, SOLOLEARN's Python introduction

Experience: Storage – NAS & SAN, Scripting – Python | BASH | PowerShell, VMware - ESXi | vSphere | vCenter | PowerCLI | NFS & FC Datastores, Networking – Routers | Firewall | Load Balancers, Operating Systems - Red Hat Enterprise Linux (RHEL) | Solaris (SPARC & x86) | Microsoft Windows Server, Automation, Monitoring, Disaster Recovery & Backup infrastructure design, Performance Troubleshooting, NetApp Clustered ONTAP & 7 mode, EMC, Cisco UCS, Veritas NetBackup, Veritas Cluster Server, Veritas Storage Foundation, MS Exchange, Hitachi, HP, Dell, SAN/NAS, FC, NFS, SMB, iSCSI, Active Directory, LDAP, DNS, DHCP, MS-SQL, Oracle RAC, Time Series Databases, Zenoss, Splunk.