

AKHILESH AYYAGARI

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System Administrator

PROFESSIONAL SUMMARY

12+ years of experience working with Windows /Linux /Security, with these skills I'm looking to obtain a challenging position associated with new media and technology.

Technology Experience

Active Directory (10+ years), **Cisco** (6 years), **Linux** (7 years), **Security** (6 years), **VMWARE** (8+ years), **SCCM** (4+ years), **UCS** (5 years)

EDUCATION

- **Information, Network, & Computer Security, (MS)**

Jan 2015 – Dec 2016 New York Institute of Technology ,NY

- * **Final Research - Secure logging in cloud**

- **B.Sc., Computer Science Engineering,**

R.P.S. Institute of Technology, Magadh University ,Bodh-Gaya (Patna), IN

July-1999 – Apr-2003

CERTIFICATIONS

Project MGMT /CompTIA Security + /CISM /CCNA (Training) /Diploma In Electronics and Hardware Eng.

Department of Public Works, Alhambra- CA

Windows Administrator

August 2019 -Present

- Maintain, upgrade, and implement improvements to the VMWare ESXi infrastructure
- Migrated Microsoft Windows from 2008 R2 to 2016 on VMWare with additional DC with 2012 forest level
- Managed security projects, updated all stakeholders of status/deliverables/work plans/metrics
- Performs technical analysis, installation, maintenance and modification of operating system and software
- Troubleshoots and resolves problems and monitors system performance while simultaneously support staff engaged in similar efforts
- Performing backups, troubleshooting and problem resolution for servers associated with a VMware virtual infrastructure
- Provided DR solutions for the migration procedures and Provided back-up coverage for facilitation of two critical governance committees
- Responded to server down alerts in a timely manner and brought them up via HP iLO/ Dell DRAC.
- Solving Issues Regarding Office 365 / OWA

Windows: AD /DNS /GPO | VMWare: 6.x | Hardware: HPE C7000 /Dell R640 Servers | Security: McAfee

Austin Community College, Texas- Austin

Sr. System Administrator

March 2019- August 2019

- Maintained, Managed multiple Location (13 different sites) of ACC **Cluster** Environment in Austin locations for **Replication and backup.**
- Inventoried and administered Red Hat Enterprise Linux (RHEL),Debian 9, CentOS 7, FreeBSD, and VMware ESXi servers, writing several utilities to manage them simultaneously.

- Installed, configured, and updated Linux machines, Red Hat, Debian, and CentOS Updated patches using skywalk.
- **Maintained Level 1 and 2 CIS Control Standards for Linux and Windows VMs and Hardware**
- Installed and configured Nagios, Ngnix, Zabbix system monitoring, on Debian 9 servers writing custom scripts for ESXi servers.
- Worked extensively with security engineers to research cybersecurity issues.
- Helped manage the security R&D lab for hardware and software testing environment/pre-deployment.
- Used Dell Open Manage Server Administration Tool to look up and update the Dell servers and storages.
- Troubleshoot, analyze and resolve computer problems related to both hardware and software.
- Installed Configured ESXi Hosts with virtual network interface cards.
- Experience on implementing **PRTG**, Migrating VMware, VMotion in cluster Environment.
- Mounting Installing Dell Power Edge Series Servers with Storage (SAN/NAS) fiber channel. (VMAX and VNX) Dell EMC.
- Installed configured WSUS Server for Windows Servers patching.
- Updating Server firmware hardware, to the latest and patching them to the latest.
- Experience on troubleshooting issues DELL / IBM/ HP Tape & PowerVault Disaster Recovery.
- Resolved security vulnerabilities by analyzing and recommending improvements in communications and network security at the component level
- Participated in upgrading an external customer to Office 365 and led training session on how to setup SharePoint sites and how to manage them

Windows: WSUS | VMWare: 6.x | Hardware: Dell R640 /620 Servers | Security: Tenable | Monitoring : PRTG /Zabbix

Office of Technology, State of WV- Charleston

VoIP Engineer

Aug 2017-Feb 2019

- Designed, implemented and troubleshoot Cisco unified communication solutions including call processing, voice gateways & LAN/WAN infrastructure.
- Analyzed business requirements in order to design and implement an infrastructure solution using Cisco technologies.
- Maintained, configured, and sustained the Cisco VoIP network.
- Analyzed, designed, tested, documented, implemented and supported global voice and converged network technologies.
- Broad experience in Voice and data networking technologies.
- Extensive technical experience of VoIP technologies, business continuity, and disaster recovery processes as they pertain to voice services.
- Strong experience in designing, implementing and supporting Cisco VOIP technologies.
- Excellent experience using Cisco call manger, unity voice mail, and voice gateways.
- Familiar with managing Cisco Unified Call Center Managers, UNITY voicemail systems, H323 and SIP voice gateways
- Solid grasp of UCC Call Center technologies, Cisco IP telephony, basic LAN and WAN administration
- Worked with vendors to resolve voice/data issues with WAN, MPLS, PRI, PSTN issues.
- Call Manager (7.x, 8.x, 9.x), Call Manager Express. Unity (7.x, 8.x, 9.x), Unity Express
- Supported and Trained Users on Microsoft Applications, Voicemail Products, and Phone Features.

Skillful in managing:

- Cisco Catalyst (3xxx, 2xxx, 4xxx, 6xxx)
- Nexus switches (5k, 7k,)
- Routers (28xx, 29xx, 38xx, 39xx, 43xx, ASR)

Strong experience of developing and deploying:

- IPV4, IPV 6
- VoIP telecommunication network

Admirable expertise in:

- SIP Trunk, 1Q trunking
- Poly-com video conferencing techniques
- VPN connectivity

Knowledge of TCP/ IP protocols:

- H323, DNS, DHCP
- SNMP, BGP
- STP, FTP, EIGRP

Competency in utilizing AMX touch panel controls to design:

- Audio visual conference rooms
- Multi point video conferencing systems

Bloomberg – NY

Windows Firewall Administrator

May 2017-Aug 2017

- Used Wireshark to Capture and analyze SIP/SDP, RTP, TCP, UDP, IP Packets
- Configured, troubleshoot, and upgraded Checkpoint Firewalls for Manage clients, which included network and/or resource access, software, or hardware problems.
- Opened, resolved, or updated Tier II Support tickets for Manage Firewall clients.
- Provided Manage Firewall Clients' with regular status reports of their trouble tickets.
- Provide descriptive design details to the third party vendors to make rule changes to P/firewalls.
- Determine which port or ports the program or system service uses, and add the port or ports to the Windows Firewall with Advanced Security rules list.
- created a custom port rule, you can specify TCP and UDP ports only
- Responsible for rule usage reporting and rule analysis pertaining to least access
- Identify unused rules and submitted to line of business (LoB) for approval to keep or disable
- Used Visio diagram to support the verification of switches and servers in the DMZ.
- Manage the firewall deployment, rules migrations, and firewall administration.
- Responsible for converting existing rule base onto new platforms.
- Deploy new equipment and work with remote site support to get devices racked and stacked as well as configured per standards and then added to Provider-1
- Identify rules that allow traffic over unsecure ports, as well as rules that allow traffic to or from non-existent IPAddresses; recommend those rules for remediation.
- Collaborate and coordinate with technology and business leads on the investigation and resolution of rules and policies out of scope.
- Directly responsible for Market Data firewall implementation strategies involving external client connectivity for Bloomberg and Instinet trading application feeds.
- Responsible for building and implementing standard firewall configurations in a standalone and HA configuration using Checkpoint Firewall software and Stonebeat high availability software. Disaster recovery planning, testing with system maintenance and upgrades.
- System hardware, software and network troubleshooting and problem resolution for over 200 firewalls in a 24 x 7 env including domestic and international locations.

Windows: 2008 R2/ 2012 R2 | VMWare: 6.x | Hardware: Dell /HPE/IBM Servers | Security: Tenable/
Bloomberg / Nesses

Facorne Technologies –NJ

System Administrator

March 2017- May 2017

- Working as a System Administrator with in house Datacenter.
- Installed Dell Power Edge Series of Servers at client with tape storage and SAN (iSCSI)
- Hands On experience with DELL / HP management console.
- Managing Virtual Servers for distributed services with securing local network and cloud.
- Configured infrastructure monitoring, automation, backup, with Managing IT services.
- Configured knowledge consistency checker for replication server for two different sites and also implemented FSMO roles on schema master DNS.
- With Robust Linux support on Enterprise class on Virtualization mgmt.
- Dynamic and Power optimization
- Implemented New AD structure for Medical firm which was a new architect.
- Utilize Windows Server Update Services to manage and deploy software patches and group policy for client settings.
- Implemented Firewalls (Pfsense/ Fortinet/ ASA FW) for different independent business.
- Implemented ESXi Used VMware vMotion to eliminate application downtime from planned server maintenance by migrating running virtual machines between hosts.
- Design, implement and maintain VMware vSphere infrastructure Monitor, troubleshoot and capacity planning of vSphere environment Provide technical guidance to other VMware administrators
- Familiar with the upgrade paths for ESX\ESXi Host servers\Virtual Center Server & the setting up of networking on Linux 5 servers.
- Supporting all AD and DNS designs for company and implementing all patch management solutions.

Windows: 2008 R2/ 2012 R2 | VMWare: 6.x | Hardware: Dell /HPE/IBM Servers | Security: Pfsense /Fortinet /ASA FW

Takshshila Institute of Professional Studies

System /Network Engineer

July 2013 – Jan 2015

- Implemented disaster recovery and Business Continuity plan in case of emergency.
- Assist with developing policies, procedures, and standards that meet regulatory requirements and industry best practices.
- Implemented Network Security Designing for malware detection and Handling.
- Translate that knowledge to identification of risks and actionable plans to protect the business.
- Using VMware Infrastructure Client for Building/Rebuilding Virtual servers.
- Daily maintenance tasks, Daily servers reboot, Server checks, report generations, disk checks etc.
- Using HP (System Insight Manager). Installation and configuration of ILO card in HP Servers
- Discuss all escalated issues with clients in daily status meeting. Tracking and closing the Tasks within the SLA.
- Responsible for decommission physical and virtual servers. Worked on HP Onboard administrator.
- Manage and coordinate a team of Windows and Microsoft SCCM engineers to aid in support of the projects and current needs of the environment.
- Responsible for providing support to end-users in troubleshooting and resolving PC and Server connection issues
- Troubleshot network and TCP/IP connectivity related issues including DHCP and DNS
- Experience in Active Directory, GPOs, DNS, DHCP, File & Print Server, IIS (Web Server), FTP, Terminal Server, WSUS, Microsoft Clustering, Exchange Mail Server and ISA Server. Extensive experience in Windows Servers at single/multi domain environment
- Used Nagios for networks and servers monitoring and management

Medphoenix

Engineer – Network Management

June 2010 – June 2013

- Configured, tested and troubleshot routers, firewalls, LAN/WAN/VLAN/Wireless network
- Designed, implemented and documented WSUS/SUP solution for Microsoft Security patch compliance.
- Worked with Network Security team to ensure proper SCCM ports where implemented
- Responsible for troubleshooting and maintaining overall client and server health for entire SCCM infrastructure
- Maintaining Server room and data center according to corporate standards.
- Maintaining Group policy on Win Servers for network users ensuring infrastructure monitoring is properly used
- Maintained cisco networks and commissioned with lease lines and backup line for failovers according to the client specification.
- Taking regular backups of the data on tape drives weekly and monthly basis.
- Implemented user and network policy for data and net security.
- Providing Second-Level Support to Windows Server Administration
- Configuring & Maintaining Active Directory resources.
- Responsible for Engineering Lab, WIN2K3 builds, OS, firmware updates
- Installed Configured HP C7000 Blade Enclosure with 8 blades and rest of the blades for storage.
- Performed regular backup in HP SAN Storage.
- Troubleshooting high end issues related to Active Directory, Group Policies.
- Manage, escalate, status, and assist, coordinating repair efforts on Service Assurance issues.

SK International

System Administrator

Feb 2005 – April 2010

- Trouble shoot issues with Windows x86 and 64 based desktops, workstation and Servers at many financial /Banking /Telecom and other Private Sector organization.
- Deployed Symantec Backup Exec 12.x d and supported for TTSL at multiple location.
- Assisted Clients on 24/7 on call from HP as a partner and provided solution 4hr SLA and Next business day
- Installed Tape Drives (IBM / DELL/ HP/ Quantum) Autoloaders, Storage Arrays and troubleshoot them in issues
- Completed the network project at Schlumberger Asia Services Ltd. Kakinada with new fiber optic layout from five different locations to centralized datacenter.
- Monitoring, administration and troubleshooting of windows based servers, with Active directory infrastructure and domain naming services.
- Hands on experience on troubleshooting On HP Blade and ProLiant Servers, Workstations.
- Hands on experience on Backup tools i.e. Symantec backup Exec and fine tune them at restoration.
- Assisted in manage offshore support team for Project and Infrastructure Management.
- Managed user accounts using Active Directory 2003/2008 to create new domain accounts, provide controlled access to existing network shares as well as creating new ones using Hyena.
- Deployed linux5.5 on HP standalone D1380 Servers for SMS and UAT services at Tata DoCoMo and AIRTEL datacenters.

Manipal & Mahbub College

System Engineer

Jun 2003 – Apr-2004

- Administered 500+ Linux (RedHat/CentOS/Fedora/Ubuntu/Windows) In the College.
- Configuring Very Small Aperture Terminal (VSAT) T1 T2 T3 under Ku-band Networks for online live classes for Distance Learning.
- Configured distributed database in Microsoft SQL Server for student to work on remote database in different networks.
- Installed, migrated, configured, administered, troubleshot, supported and maintained Windows 2000/XP/95/98/ME

for desktops and laptops using Veritas Backup Exec software on servers.

- Provided end user support, mail and login administration, anti-virus support, monitoring of system logs, setup and troubleshooting of printing problems.
- Troubleshot network and TCP/IP connectivity related issues including DHCP and DNS
- Designed and implemented web/application interfaces considering the customer services aspects and the ASP delivery model.
- Maintained and management of the computer lab center.
- Managed and maintained Linux based E-mail server (QMail).
- Defined scope, gathered data and analyzed requirements to determine most appropriate and cost effective solutions while efficiently meeting deadlines.

TECHNICAL SKILLS

Hardware Environments	Intel Based Systems and SCSI RAID Controllers, HPE, IBM x-Series, Dell Power Edge Series servers.
Software/OS Environments	Windows Server, Win 7/10 Work Stations and RHEL, Debian, CentOS.
Storages	Autoloaders, Ultrium Tape drives, HP San Array, Cisco UCS Storage
Network Environments	TCP/IP, DNS, SMTP, DHCP, WINS, FTP, Switches, Routers
Monitoring Tools	Net Brains, Splunk, Wireshark, ScienceLogic, Zabbix, PRTG.
Remote Applications	SSH server, Terminal Services, VNC, pcAnywhere, Citrix server, WinSCP
Database	MS-SQL Server 2016, MySQL
WEB Technologies	Microsoft IIS, Apache, PHP and WINS
Encryption	Bit locker, Last Pass Symantec (PGP),
File System	NTFS, FAT 32 file systems, DFS
Mail /Messaging servers	MS Exchange 2013/2016, IBM Lotus Notes, Q-Mail, Send Mail,
Backup Tools	Veritas backup Exec for Windows, Commvault, Windows backup
Antivirus Tools	Trend Micro, MacAfee, Carbon Black and Symantec, F-Secure, Nessus, Tenable
Others	VMware ESXi Server, PowerShell, SharePoint Server, WSUS, Adobe Photoshop, Dreamweaver and HTML, Workbook.