

Ganesh Kamana

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SUMMARY

Proactive System Engineer with 4.11 years of experience in Windows server monitoring and maintenance, including roles in user management and security compliance. Drove IT standardization projects and developed automation scripts using PowerShell, improving configuration management efficiency. Seeking a Windows Administrator position to leverage expertise in Windows server administration, VMware, WSUS and BigFix tools to enhance system performance and streamline IT operations.

EXPERIENCE

Systems Engineer II

FactSet

December 2025 - Present, Hyderabad

- Administered user access controls, NTFS permissions, and shared folder permissions to ensure secure and compliant access to organizational resources.
- Installed, configured, and maintained Windows Server roles and features, including File Services, DFS Namespace, DFS Replication (DFSR), and IIS.
- Created and managed DFS Replication (DFSR) groups and namespaces, ensuring reliable file synchronization and high availability across enterprise file servers.
- Created and managed Group Policy Objects (GPOs) to enforce security baselines, system configurations, and organizational policies.
- Managed and supported AWS FSx file systems, including configuration, performance monitoring, capacity management, and troubleshooting of file share connectivity issues.
- Performed administration, maintenance, and troubleshooting of Windows Server environments, ensuring high availability, reliability, and optimal system performance.
- Executed patch management activities using BigFix and WSUS, deploying operating system and security updates while maintaining compliance with enterprise standards.
- Developed and deployed over 30 BigFix Fixlets monthly to automate patching and configuration tasks across 4000+ Windows Server instances, reducing manual remediation time by 45% and maintaining 99.9% compliance with security standards.
- Spearheaded the configuration and execution of over 20+ automated BigFix Tasks per quarter across 4,000+ Windows Server instances, accelerating system patch deployment and sustaining 99.9% compliance with corporate security KPIs over 9 months.

System Engineer

Tata Consultancy Services

November 2021 - December 2025, Hyderabad

- Administered and maintained Windows Server 2012R2, 2016, 2019, and 2022 environments across production and non-production infrastructure.
- Managed daily operational incidents, service requests, and production support activities while meeting SLA requirements.
- Utilised PowerShell automation to streamline server administration, configuration management, and operational tasks.
- Performed patch management using BigFix, ensuring timely deployment of Microsoft security updates and compliance with organizational standards.
- Conducted compliance and security health assessments of Windows servers to maintain enterprise security requirements.
- Configured and managed Windows Server Backup solutions, including backup scheduling, restoration testing, and disaster recovery support.
- Administered Windows Server Failover Clustering (WSFC) to support high-availability environments and critical business applications.
- Executed server Re-IP activities, including network configuration updates, DNS modifications, connectivity validation, and post-change support.
- Supported domain migration projects by onboarding standalone servers into Active Directory domains and standardizing infrastructure configurations.
- Diagnosed and resolved Windows Server issues related to boot failures, services, networking, disk management, and application performance.
- Installed, upgraded, and decommissioned Windows Servers while following enterprise build and hardening standards.
- Performed server health checks, capacity planning and regular maintenance to enhance infrastructure reliability and availability.
- Managed Windows services, scheduled tasks, certificates, and startup configurations to support business applications.
- Collaborated with infrastructure, application, storage, virtualization, and network teams to implement production changes and resolve complex incidents.
- Maintained server documentation, build standards, and operational runbooks to support knowledge sharing and audit requirements.

- Performed root cause analysis (RCA) for recurring Windows Server incidents and implemented preventive measures to improve service stability.
- Deployed virtual machines using approved OVA/OVF templates based on project and application requirements.
- Provisioned virtual machines using standardized VM templates (OVA/OVF) and ISO images based on application, project, and business requirements.
- Created and deployed virtual machines from templates and bootable ISO files, performing initial operating system installation and configuration.
- Performed virtual machine resource modifications, including CPU, memory, and disk capacity expansion.
- Added and extended virtual disks and coordinated guest OS-level disk expansion activities.
- Created and managed VM snapshots for maintenance, patching, upgrades, and rollback purposes.
- Configured and managed virtual network adapters and validated network connectivity for virtual machines.
- Executed VMware vMotion host migrations to support maintenance activities and workload balancing.
- Performed Storage vMotion migrations to optimize datastore utilization and storage performance.
- Conducted Cross-vCenter migrations during infrastructure consolidation and datacenter migration projects.
- Supported server onboarding, infrastructure changes, and application deployment activities within VMware environments.
- Configured and managed VMware Tools installation and upgrades to improve virtual machine performance and manageability.
- Performed VM cloning, customization, and template management to support rapid server provisioning.
- Managed virtual machine lifecycle activities, including provisioning, decommissioning, and resource optimization.
- Created and managed VM snapshots for maintenance, upgrades, and rollback activities while following snapshot lifecycle best practices.
- Created and maintained Host Records, A Records, and CNAME Records to support application and server deployments.
- Coordinated DNS updates during server migrations, Re-IP activities, and infrastructure changes.
- Monitored and maintained cloud-hosted Windows servers across AWS and Azure, ensuring system availability, performance, and operational stability.
- Performed VM/EC2 resizing activities, including CPU and memory upgrades, to meet application and business requirements.
- Created and managed AWS EBS snapshots and Azure VM snapshots for backup, recovery, and change management purposes.
- Expanded cloud storage volumes and managed operating system-level disk extensions on Windows servers hosted in AWS and Azure.
- Troubleshoot infrastructure, storage, and connectivity issues while responding to monitoring alerts and supporting day-to-day cloud operations.

EDUCATION

Bachelor of Technology in Electronics and Communication Engineering

Vignan's Foundation for Science, Technology and Research • Guntur, AP • 2021 • 7.28

CERTIFICATIONS

Microsoft Certified: Azure Administrator Associate

Microsoft • 2023

- Proficiency in Azure resource administration, virtual networking, storage, and backup.

Microsoft Certified: Azure Fundamentals

Microsoft • 2022

- Earners of the Azure Fundamentals certification have demonstrated foundational level knowledge of cloud services and how those services are provided with Microsoft Azure.
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SKILLS

Windows Server Admin, VMware vCenter, PowerShell, AWS EC2, BigFix, Patching, Compliance, Incident Response, AWS FSx, Active Directory Users and Computers, WSUS
