KENNETH OBINNA UGWUOZOR

[uokenneth@gmail.com](mailto:uokenneth@gmail.com)

240-486-3338

PROFESSIONAL SUMMARY:

Highly skilled Linux System Administrator with over 9+ years of experience in managing and maintaining Linux-based systems, specializing in RHEL, Ubuntu, and Oracle Linux.

Experienced in comparing system performance metrics and identifying optimization opportunities to improve efficiency and reliability.

Proficient in system automation, server monitoring, and network configuration. Adept at troubleshooting and ensuring system security

CERTIFICATIONS:

AWS Solution Architect – Associate Certification (SAA-C01) June 2020 – June 2023

(RHEL 7) Red Hat Certified System Administrator (RHCSA) July 2020 – July 2023

(RHEL 9) Red Hat Certified System Administrator (RHCSA) February 2024 – February 2027.

CompTIA Security + Certification (SY0-701) May 2025 – May 2028

CLEARANCE:

Public Trust

SKILLS:

Linux Administration: RHEL, Ubuntu, Oracle, Centos

Networking: TCP/IP, router, switches, DNS, SSH, VPN

Security: SELinux, FirewallD, Password policies, SSH Hardening, DISA STIG

Configuration Management: Ansible

Storage: NAS, SAN, LVM

Cloud Platforms: AWS, Azure, GCP

Migration: Rhel 7 to 8 and on prem servers to Azure cloud.

Virtualization: VMware vCenter, vSphere, ESXI, KVM, Hyper-v

Automation: Cron jobs, Rsync, Tmux, Ansible

Monitoring: Splunk Indexer and Forwarder

Scripting: Bash shell

Documentation: Version control with Git

Vulnerability: Tenable Security centre, Nessus agents, update/patches

Window Server: AD DS, OU, User’s, groups, and DNS

Container: Docker, Podman and Orchestration Kubernetes

Filesystem management: Ext2, Ext3, Ext4, vFat, and XFS

Package manager management: dnf, yum, Wget and apt

Troubleshooting: journalctl -xe, tail /var/log/\*

Backup: EMC/Avamar Server enterprises backup/restore

Work Experience:

System Administrator Aug 2024 – April 2025

LCG INC, MD

* Performed general Linux administration, including installation, configuration, and troubleshooting.
* Ansible Automation deployed Ansible nodes on Azure VMs and managed connectivity using Ansible playbooks.
* Configured RAID 0 and 1 on the system BIOS on /home /boot / folders for redundancy and encrypted.
* Used Dell/EMC Avamar for data backup and restore, while installed Avamar agent on client’s machines.
* Created encryption on the system with luks encryption key to decrypt device mapper when the system is on boot with crypt setup.
* Configured network in TCP/IP, DNS, VPN and Vlans.
* Managed Storage with LVM, NAS and SAN.
* Configured the system to use the 10GB switch interface as default instead of 1GB.
* Created and configured the file check settings on root and home directory.
* Installation, configuration, troubleshooting of Oracle OS on IPMI hardware.
* Remote Server Administration (SSH, IPMI, BMC MegaRAC)
* Configured NFS servers and clients, ensuring seamless data sharing and automatic reconnection on boot with Power Scale.
* Filesystem management using (LVM, XFS, EXT4, NFS).
* Automated large data transfers using RSYNC within TMUX, set up corn jobs for data synchronization.
* Provide L2 and L3 support for Linux-based systems, handling escalated incidents, analyzing system and application logs, and resolving complex performance or configuration issues using advanced Shell scripting techniques.
* Created bash shell script to schedule jobs with crontab, back up the system with by compressing the files with tar.gz and system update directing all the logs to output and error log files created.
* Managed AWS services, including EC2, Load Balancers, IAM, Security Groups, S3, and VPC.
* Provisioned and configured Azure VMs, managed storage, networking, and RDP/SSH troubleshooting.
* Downloaded RPMs agents then installed the security agent Tenable, BigFix, Cylance PROTECT, MDE and Splunk Forwarder on Oracle 9.5.
* Worked with the security team for Vulnerability after scanning in the Tenable security centre, remediating either in the OS or Application patches/updates on Pacbio/smartlink with Tomcat.
* Managed Oracle VMs on virtualization remote KVM/IPMI portal using ISO media image to deploy the VM.
* Develop and maintain Shell scripts for automation of routine L2 and L3 operational tasks such as user management, log rotation, disk cleanup, and monitoring, ensuring consistent and error-free administration across environments.
* Security configurations Selinux, firewalled and key-base authentication
* Implemented encryption for data protection using crypt setup.
* Developed scripts for user management and enforced password security.
* Documented system configurations and updates for projects.
* Configured backup and recovery using (rsync, cron, snapshots)
* Used ServiceNow ticketing system and Jira/Confluence
* Used Dell/EMC Avamar for data backup and restore, while installed Avamar agent on client’s machines.

Red Hat/Linux Engineer Nov 2021 – Jan 2024

LTIMindtree, WA

* Managed RHEL and Ubuntu servers, automating configurations with Ansible.
* Monitored system health with Nagios, proactively addressing issues.
* Configured secure SSH practices and managed firewall rules.
* Automate my patching with Ansible Tower
* Provisioned AWS services and managed cloud resources efficiently.
* Built and managed VMware VMs, KVM optimized storage on servers with NAS, SAN, LVM, and automated backup processes.
* Configured GPU for monitoring and scheduling
* Managed security SElinux, firewalled, best practice for access control and kernel hardening on KVM.
* Performed OS and kernel updates to maintain security compliance.
* Provided L3 (Level 3) support in production environments by troubleshooting complex Linux server issues, including kernel crashes, performance bottlenecks, storage failures, and configuration drift.
* Perform L2 and L3 level system monitoring and maintenance, proactively identifying and resolving issues related to CPU, memory, disk usage, and network bottlenecks, while automating alerts and recovery using custom Shell scripts and monitoring tools.
* Implemented secure web hosting by configuring Apache Tomcat with SSL/TLS certificates to enable HTTPS, ensuring encrypted client-server communication and improved application security.
* Automated software deployment with DevSecOps tools like Docker and Kubernetes.
* Maintained detailed documentation for virtualization infrastructure, system maintenance and best practices.
* Deployed and managed servers on virtualization hyper-v deploying of Azure VM Gen 2.
* Worked with Microsoft storage, Azure Policy, or Azure EntraID.
* Created and deployed Window Server 2016 for configuring of DNS, DHCP, AD DS and LDAP authentication.
* Used AZ Copy to efficiently transfer large volumes of data between on-premises systems and Azure cloud storage.
* Installed, configured maintained SQL Server database in Azure cloud and MySQL.
* Worked with IBM BigFix servers in Filesystem management using (LVM, XFS, EXT4, NFS).
* Network configuration IP, DNS, GATEWAY, Monitor system logs /var/log
* Used dnf and yum in managing software’s packages security updates.
* Used Wiki for knowledge base and Microsoft office 365 with Excel
* Analyzed performance issue on CPU and memory with top, htop, free -m, Load average with uptime and processes with ps aux.
* Configured SELinux, firewalld, and SSH hardening.
* Automated backup and recovery of trillium directories and configure file using bash and Ansible
* Applied OS-level patches and ensuring java and dependencies (Apache Tomcat, Oracle/OpenJDK used by Trillium were up to date
* Created a Bash script to monitor CPU usage and trigger alert notifications when usage exceeds 80% threshold, helping proactively manage system resource utilization and avoid performance degradation.
* Used ansible for automating RHEL OS patching and post-install configuration across IBM systems.
* Administered RHEL, Ubuntu, and CentOS servers, focusing on system stability.
* Used ISO and Template to deployed and configured VMs on virtualization using VMware Esxi 7.x, 8.x vCenter Server and vSphere to work with the advance features HA, DRS, vMotion, and Snapshot.
* Performed vMotion migrations of live VMs from on-prem VMware to AVS
* Executed live migrations (vMotion) through HCX and minimized downtime
* Automated routine maintenance tasks with Ansible.
* File sharing using SAMBA/NFS/CIFS across different operation systems.
* Used FTP/SFTP/FTPS protocols and tools to transfer data from one server to another
* Deployed LAMP stack for web hosting and maintained high availability.
* Managed network configurations, including firewall and VPN setup.
* Provided training on Linux system maintenance and troubleshooting.
* Managed Linux storage with LVM, and NAS.
* Collaborate with L2 and L3 support teams to troubleshoot critical infrastructure problems, implement system hardening measures, apply kernel patches, and optimize server performance with tailored Shell scripting solutions.
* Managed the securities in the GCP as a Linux administrator in area of instance hardening, vulnerability/ patch management, IAM, encryption and data protection, firewall and network securities, infrastructure as a code.
* Documentation and version control Git, and GitHub for source codes

Linux System Administrator Jan 2020 – Nov 2021

Superuser Consulting Houston, TX

* Managed on prem RHEL and various Linux distributions and ensured optimal system performance running on virtual machines.
* Migrated RHEL 7.6 to 8 using LEAP utility tool
* Automated administrative tasks using Ansible and Bash scripting for user’s management where I created multiple user’s which will need them to change their password at the first login.
* Created networking concepts like VLANs, DNS, TCP/IP and SSH on machines built on KVM
* Worked with disaster recovery and backup for virtualized environments using Avamar Server syncing data with Avamar clients.
* Installed and configured web server like (Apache Server HTTP, Apache Tomcat and Nginx) to be responding to different firewall ports.
* Used Ubuntu Landscape to managed user and access managements, SSH Keys and access control system. Monitored CPU, disk and network usage. Installed and update software’s packages across many systems.
* Installed and configured trillium note, trillium server and trillium director on RHEL 7, 8 and 9
* Implemented backup solutions and automated data protection using Rsync and cron jobs.
* Managed cloud resources on GCP, AWS and Azure, configuring VMs and network policies.
* Installed and configured web servers, ensuring secure and efficient operation.
* Provided extensive documentation for configurations and troubleshooting procedures.
* Red Hat Satellite in Provisioning, Patching, Deployment of RHEL Systems and Ansible for automation with Ansible tower.
* Docker building application and Kubernetes in scaling pods
* Maintained the storage back up by using Veeam on Linux and Window server to create policy for the backup.
* Managed FTP server configuration and troubleshooting (e.g., vsftpd)
* Deployed and Configured VMs on VMware Esxi in vCenter Server using vSphere Client administer and managed VMware vSphere environments.
* Enforced least privilege to limit admin rights on both Window and Linux OS.
* Installed packages using Yum, RPM, Wget to download
* Perform upgrade on Red Hat Linux whenever required
* Worked with Windows Server 2016 for Active Directory
* Configure Logical Volume Manager, create and modify file system, Logical Volume, Physical Volume, Volume groups and Swap
* Created/managed user and group account, security, permissions, password recovery aging
* Working with RHEL7.X and MFA
* Installed and configured LAMP STACK Apache, MySQL/MariaDB, PHP
* Performed Network configurations in Linux environment, vulnerability and penetration test, identifying against threats and developing disaster recovery plans

System Administrator Jan 2014 - July 2019

Lo-Ween Engineering – Enugu, Nigeria

* Administered RHEL, Ubuntu, and CentOS servers, focusing on system stability.
* Configured VMs on VMware vCenter/vSphere and managed performance monitoring.
* Automated routine maintenance tasks with Ansible.
* File sharing using SAMBA/NFS across different operation systems.
* Deployed LAMP stack for web hosting and maintained high availability.
* Managed network configurations, including firewall and VPN setup.
* Provided training on Linux system maintenance and troubleshooting.
* Managed Linux storage with LVM, and NAS.
* Managed the securities in the GCP as a Linux administrator in area of instance hardening, vulnerability/ patch management, IAM, encryption and data protection, firewall and network securities, infrastructure as a code.

EDUCATION:

Bachelor of Engineering Metallurgical & Materials Engineering (B.Eng.), Enugu, Nigeria - September 03rd 2020.