Abdel

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Linux Unix Admin | VMware Specialist | Cloud DevOps Skillful

Summary

Telecom Eng. Specialized in Linux/Unix Administration with +8 years of experience in IT/Telecom, Having In-depth hands-on on Red Hat, CentOS Solaris and VMware. Knowledge in Virtualization, Cluster, Storage and Cloud Technologies, Enterprise level Linux/Unix/VMware projects experience, plus Disaster Recovery, High Availability practice, armed by highly detailed, organized personality with the talent to stay on top of technological innovation in IT field, via fast-learning and self-development skills, looking for deep dive into ***Cloud & DevOps Technologies***

Responsible of handling Zain SDN, Huawei mission critical Linux/Solaris/VMware servers and provide system incident resolution within SLA/RTO, and ensure end to end UNIX deliverables thru different data centers with volume of +110 servers, plus optimize IT infrastructures to achieve high availability and performance.

Implementing, managing H.A environment using SUN/VERITAS Cluster holding +16 nodes across 2 datacenters (main/DR), via Solaris 10 Sparc/VCS 5.1, VXVM 5.1/Oracle 11g DB/SUN M5000/EMC VMAX.

Having knowledge on Python, Ansible, Puppet, Nagios, vRealize, Vagrant, NginX, Web service and MySQL, also familiar with Basics of Wireshark, Nmap, Hadoop, NoSQL, FastDFS, HDFS, and Agile projects

Highlights

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| **Platforms:** Solaris 10/11 Red Hat 6.x/7.x, CentOS, Ubuntu, Win 7/10.  **Server:** HP DL/BL G8/9, HP C7000 chassis, SUN Fire v490, SUN T3-2/ T6530/M4x/M5x, Huawei RH 8100, E9000 chassis, Oracle X3-2/X6-2. | **Apps:** Apache, Tomcat, VMware vSphere 5.x/6.x, vRealize, Rvtools, Nagios, Ansible, Puppet, ITSM, HA proxy, Nmap, VERITAS Cluster VCS 5.1/6.1 VxVM 5.1/6.1, MS Office suite. | **Scripting:** Bash, Python.  **Network:** TCP/IP, FTP, NTP, NFS, SMTP, SNMP, HTTP, VLAN, SSH.  **Miscellaneous:** Oracle 11g ASM, MySQL, EMC VMAX, SAN, Solaris Zones, SLAs, SLO and KPIs. |

Experience

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| **Sehaab Integrated**  **Solution**  ***Khartoum – Sudan***  ***12/2017 - 12/2018*** | **System Specialist Linux Unix**  Leading on Cloud services & solutions for SP, worked in Infrastructure & Cloud Service department.   * Involved in 3rd party software installation and configuration for various applications. * Architect, design, support Server, Storage, SAN and Cloud dimensioning, for Telecom SP. |
| **Huawei**  ***Khartoum - Sudan***  ***01/2017 - 12/2017*** | **System Specialist UNIX**  Our team responsible of providing administration for Huawei managed service project (A5), with scope of: Technical expertise, system architecture/recommendation for Unix/Linux projects, and act as SME and key decision maker across Unix/Linux Application and infrastructure resolution.   * Tier 3 support for Oracle Solaris/ Red Hat Linux operations, handle incident, track down loges, trace incident source, undertaking fix activates, and providing solid root cause analysis. * Managing ESXi: Storage, Network, Security configuration, plus perform VM operation: templates, backup, migration, snapshot, Thick/Thin provisioning, CPU affinity and RDM. * Speeding system deployment via jumpstart for Solaris on SUN Sparc server and Kickstart, PXE for RHEL on HP x86 servers, plus assisting on windows deployment services WDS. * Re-vamped “Revenue Assurance Dept.” Unix/Linux servers, solving high latency issue, via LUN tiring, IOPs benchmarking, HBA tuning and LVM tuning, increasing performance up to 70%. (E2E) * Performing, incident management, problem solving, and service restoration addressing MTTR/RTOs averages, keeping operation SLAs/KPIs and reducing impact on service availability. * Administrating VERITAS volumes manager VxVM, plus working with LVM, SVM, ASM and RAID. * Automating basic tasks utilizing Puppet in production, Ansible in testing for routine operation. * Implementing IP Network services, Firewalls, load balancing: VLANs, SSL, DNS, NFS, NTP, SNMP |
| **Zain SDN**  ***Khartoum - Sudan***  **02/2015 - 12/2016** | **System Specialist UNIX**  Hired as a full-time systems administrator following initial consulting role to manage and maintain a 110+ mixed server environment Unix/Linux, ensuring 99.9% or better uptime. Evaluate, monitor and enhance IT infrastructure with an emphasis on availability, reliability, scalability, security, data confidentiality and system integrity.   * Delivering state of art, multi-site, multi-tier Physical/Virtual Solaris/Red Hat Linux Infrastructure: Large scale deployment, designing, performance tuning, monitoring and Troubleshooting. * Performing user, groups, privileges, roles, logs, Packages management, configuring Sudo, RBAC , Syslog, BSM, RPM, DPKG and PKG, plus adding repositories using Yum, APT and GitHub. * Fulfilling server sizing, dimensioning, and dependences for Telecom/IT projects: VAS Cloud, ALS, RBT, providing implementation recommendation, consultation and installation road map. * Optimizing resource consumption via capacity planning, utilization monitoring and resource provisioning, “Storage, CPU, Memory, Network” on VMware infrastructure. * Migration exposure, on Solaris containers “none global zone migration”, and Data Base migration using Oracle goldangate tool, plus VMs migration on VMware environment. * Ensuring Business Continuity and Disaster Recovery plans, events, and tests grasped. * Managing Linux/Unix Multipathing, HBA configuration, file system, inodes, and LUN scanning. * Performing Data Center consolidation, via V2V, P2V operations for legacy Linux/UNIX servers. * Working closely to developer, providing privileges, rollback, packages, system tuning and upgrades. |
| **KiWi Training**  **Center**  **05/2013 - 08/2013** | **Technical Teaching Assistant - RHCEv6**   * Provided thrilling experience for students, via comprehensive lab setup and real production scenarios/cases providing students with exciting/unique learning experiment within slight period. |
| **2009 - 2010**  **2007 – 2009**  **2006 - 2007** | **Served in multiple Technology Technician roles:**  **IT/Telecom Technician at GNPOC - Client**   * Level 1/2 IT supporting for Linux/Windows workstation and Telecom equipment.   **Network Engineer at TESCO Ltd. Pvt.**   * Building wireless LANs, and managing Linux Network services SMTP, NFS, NTP and Squid.   **Computer Technician at Al Azhari University Gov. Edu.**   * Installing, administering, troubleshooting and maintaining all Linux/Windows Desktops and servers. |

Academic Education

Bachelor of Science: Electronics Engineering - Telecom

Sudan University of Science and Technology SUST

Certification

ITIL Intermediate Release Control & Validation RCV Dec 2015

ITIL Foundation v2011 Apr 2015

Projects

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| **Billing System Upgrade CBiO**  Responsible of implementing: x5 racks, x21 server x2 storages, 4x SAN switches, Power, Fiber, network. | **VMware Expansion Phase III**  Participated on VMware upgrade: x4 HP C7000 chassis, x8 Blades, vCenter 6.1, ESXi 6.1, DRS, H.A, and Storage. | **Oracle Big Data Infra.**  Joined Oracle X6-2 rack implementation, BDA pre-requisites gathering, infiniband |

Technical Training

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| **2013 (Hyderabad)**  CCNAX 200-100 (R&S).  Solaris 10 Sparc/x86 Admin.  SAN-Administration (EMC, Brocade).  Oracle Data Base Administration 10g | **2014 (Bangalore)**  RH413 Red Hat Server Hardening.  RH429 Red Hat Enterprise SELinux.  RH333 Red Hat Enterprise Security.  RH401 Red Hat Satellite Server. | **2015 (Khartoum)**  EMC Networker v7.  PRINCE2 Foundation.  CL210 Open Stack v.4.0.  VMware vSphere 5.5 ICM. |