**MOHAMMED UMAR** 

**773-787-7927**

[**umaraix7@gmail.com**](mailto:umaraix7@gmail.com)

**SUMMARY:**

* Over 8 years of experience as Linux on redhat EL 6.x, 7.x and Unix/AIX 5.x, 6.1, 7.1 Administrator.
* Experience in Creation and managing user accounts, security, rights, disk space and process monitoring on Redhat Linux and other Unix OS.
* High level of expertise on IBM pSeries 550 570 590 595 650 690 770 780 795 series with Virtualization.
* Extensive experience in Installing and managing RISC as well as CISC based Systems. Comprehensive background in the installation, upgrade, configuration, rollout and support of hardware, software, peripheral and network devices and infrastructure in AIX and RedHat EL5 UNIX environment.
* Extensive experience defining and documenting user requirements, defining technical needs, and developing and documenting high level designs and detailed technical designs.
* Experience in Installation and configuration of IBM machines with AIX 5L.
* Experience in VMwareESX, ESXi.
* Experience in Installation, Configuration, Maintenance and Administration of Red Hat Enterprise 3/4/5/6 using Kickstart.
* Experience in Installation and configuration of IBM eServer p770, p780, p795 p690/p650, p550, p570, p590.
* Experience in Installation and configuration of Virtual I/O Server (VIOS) and VIO client LPAR’s, NIM server and NIM clients.
* Experience in Administration Concepts such as Virtualization and logical partitioning of CPU, HMC usage, Workload Manger.
* Capacity planning
* Documenting technical procedures like for server build, disaster recovery.
* Supported end to end implementation of SAP R/3
* Experience in working with **Redhat Satellite Server 6**.
* Experience in the GPFS cluster setup.
* Experience in oracle 10g and 11g R2 setup.
* Experience in PowerHA setup.
* Experienced in installation and configuration of IBM Blade servers (JS20 and HS20).
* Extensive experience with clustering technologies
* Good Experience in AIX Migration, Installation, Preservation and Complete Overwrite Installation.
* Good Experience in Redhat Linux Installation.
* Building and configuring Red hat Linux using Kick Start server as required for the project.
* Excellent in build, performance, troubleshooting and Maintaining AIX and Patching.
* Strong in LVM (Storage Methodology), Performance monitoring, Error logging, Diagnostics, Dumps and Fine-tuning.
* Good experience in Administration Concepts such as Virtualization and logical partitioning of CPU, DLPAR, HMC usage, Workload Manager
* VIO upgrades from 2.0 to 2.1, 2.1 to 2.2
* High Availability Setup, Setting up HACMP clusters, Designing and configuring Resource Groups, Event usage and customization.
* Administration, Monitoring and logging functions, User/Group administration, Usage scenarios of HACMP, Reduce planned downtime, Reduce unplanned downtime, Increase Maintenance availability.
* Experience in VMwareESX, ESXi.
* 24X7 on-call production support and trouble shooting problems related to IBM AIX P series servers like p520, p550, p570, p595, etc…
* Extensive customer interaction that includes communication and support.
* Excellent organizational, planning, and problem-solving skills.
* Team player with excellent communication and inter-personal skills.

**TECHNICAL SKILLS:**

**HARDWARE**

**PLATFORMS** IBM power seriesp520/550/570/590/680/770/795, IBM RS/6000, SP2, p670/680/690(**Regatta**) series, , Dell PE 2650, EMC Symmetric, Connectrix, FaST,DS8100,DS4300, F20/40, HACMP, Cisco 6500 catalyst switch, Netscreen 5GT, Netscreen -25/50 baseline, ESX.

[Optional]

**OPERATING**

**SYSTEMS** **VIOS 2.x**, **AIX 4.3.3.0/5.x/6.x/7.x,** SOLARIS 10 & 11, SuSe Linux ES 9, 10 Netscape server 3.x/4.x, Red Hat Linux , Red Hat Enterprise AS 5.5/6.1 and Red Hat Enterprise As 4.0.

**SOFTWARE** EMC Power Path, Remedy ticket system, **SDD/MPIO (Subsystem device drivers),** **DS 4100/6000/8100, Flash Copy, PPRC, Veritas netbackup, MPIO.**

**PROFESSIONAL EXPERIENCE :**

**DXC Technology,Houston,Texas Feb 2016 – Till Present**

**Linux/Unix System Specialist**

**Responsibilities:**

* Managing redhat package and yum repositories - install/uninstall, update and removal of packages and making use of redhat subscribed network yum repositories.
* Manage **Redhat satellite server 6** and performing package management tasks.
* Build new RedHat VMs using automation tool **Ansible** andVMware as per the requirements.
* Managing resources like CPU, memory, disk space using **VMware, Vsphere Client, WebClient**.
* Creating and managing Logical Volume Manager in RedHat, ZFS in Solaris and JFS2 in AIX servers.
* Work with vendors like HP , IBM, Oracle to resolve Hardware, Software issues as required.
* Created and managed Virtual Machines and Templates, worked with clones and snapshots of Virtual Machine
* Remediate any Hardening violations and vulnerabilities using **Nessus Scan** tool to meet company’s standards.
* Analyzed vulnerability report, remediated a number of vulnerabilities by working with infosec team, application teams and vendors as necessary and provide monthly report to management.
* Performed monthly patching on Linux RedHat servers using Satellite Server and Ansible Tower.
* Prioritize on elevated and high priority risk vulnerabilities and take required action when necessary.
* Used Ansible and Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change
* Monitor RedHat, AIX, Solaris servers using tools like BMC Patrol, **Zabbix** and Ansilbe Tower for arising day to day issues and resolve them to avoid outages.
* Performed various methods of AIX Installation/Migration using alternate disk installation (NIMADM), Network Installation Manager (**NIM**) and migrated AIX environment from 6.x to 7.x.
* Managing resources on IBM AIX servers using **HMC** (Hardware Management Console)
* Manage User and group administration and implement security policies on Unix servers.
* Attend team meetings, Change Management Board meetings to update installation progress and upcoming changes in environment.
* Setup Cron job for various scripts for monitoring availability and health of servers.
* Grant sudo privileges and cron access to other users as per company’s standards.
* Work with the Application, Database and Network teams to analyze and solve performance related problems.
* Hands on experience with **Solar Winds** for IP management.
* Document major issues and their resolution on company’s Wiki for team’s future reference.
* Experience working with Service Now ticketing Tool.
* Troubleshooting SAN, NetBackup related issues.

**Linux/Aix Specialist**

**Canon, Jamesburg,NJ March 2013 – Feb 2016**

**Responsibilities:**

* Administration, Support and Maintenance of pSeries p770, p780, p795 p690/p650, p550, p570, p590 Servers using HMC.
* Responsible for creating LPAR/DLPAR/VIO.
* Installed, configured and tested VIOS.
* Built and performed various **Lpar migrations** across different frames.
* Installation, Configuration and Administration of **AIX 5.3 & 6.1**.
* Installation, Configuration and Administration of Suse **Redhat Linux** 5.5 & 6.1.
* Performed **AIX administration** supporting **pSeries servers** (680, 770, 795).
* Built and performed various **Lpar migrations** across different frames.
* Created/Installed/Configured Dual **VIO servers** version **2.1.3 and client Lpar’s** from scratch on **p770** **power7** Frames with **SEA** failover.
* Set up and configure virtual resources **virtual Ethernet, virtual SCSI, and virtual FC**.
* Assigning **Integrated Virtual Ethernet** also known as **LHEA** (Logical Host Ethernet Adapter) to the Lpar’s to configure IP address.
* Migrated **SAP R/3** Technical Upgrade environment includes AIX servers from **AIX** 5.3TL5 to **AIX** 6.1TL4.
* Create standard LPAR, performing **DLPAR** operations to manage resources between machines.
* Extensively working experience in **LVM**, which includes creating **VG, LV** and file system.
* Configured and troubleshoot **LVM** and network related problems in **AIX**.
* Backup rootvg through **mksysb** and using **Control M** Job scheduling software on daily and weekly basis.
* Created **user** accounts and **groups** and performed user account management.
* Network trouble shooting, performance, and resource monitoring using monitoring tools like **Topas**, **nmon** **SAR** etc.
* Performed administrative tasks such as System Startup/shutdown, Backup strategy, User Management, Security, Network management.
* Setup **DR** Environment at **DR** site. This setup includes creating and configuring virtual clients LPAR, installing **AIX** images from existing servers and performing **DR** test.
* Experience in suse **VMware** ESX, ESXi.
* Build, configure and deploy VMs and templates.
* Performed and monitored daily tasks such as **user account management,** **mksysb**, **data backups**, users logon support like failed logins, error report checks/required troubleshooting etc.
* Planned and Configured **VIO servers** 2.1 and clients from scratch on all frames.
* Configured **Virtual Ethernet, Virtual SCSI** and **Virtual FC** **N\_port ID Virtualization technology**.
* Supporting and managing IBM pseries servers (P5/P6/P7) using **HMC1** version **V7R3** and **HMC2** version **V7R7**.
* Experience working with **Net backup.**
* Kickstart configuration for RedHat 5.5 .
* **Upgraded HMC** from V7R350 to V7R720 and from V7R720 to V7R730.
* Setting up Oracle RAC 10g and 11g R2 cluster on **AIX** Server for Oracle DB for SAP
* Setting up GPFS cluster version 3.3 and 3.4 on **AIX** Server for Informatica.
* Experience working in a SAP Environment and building the servers for SAP.
* Troubleshooting SAP issues from the O/S level.
* Responsible for joining the servers to the zone so that the users get authenticated and authorized through **LDAP, Kerberos and Active Directory**.
* Configure **OpenSSH** for secure and encrypted connection over the network.
* Troubleshooting user’s **single sign-on** issues after migration from Aix authentication and authorization to Active Directory authentication through Centrify.
* Supported **SAP** application on AIX and adept in troubleshooting application issues related to OS.
* Skilled with **NIM** restores configuration and troubleshooting.
* Maintainshell scripts to automate the system administration tasks.
* Monitored trouble ticket queue to attend user and system calls.
* Updated data in **inventory management** package for **software and hardware products**.
* AIX system optimization over Oracle10g/11g R2 applications and utilities.
* **Implemented the various security features** in the **UNIX/AIX environment** using LDAP like configuring user authentication, Keonizing.
* 24x7 on call server support for UNIX environment including new hardware in Data Center*.*

**Environment: AIX 6.1/5.3/5.2/5.1/4.3.3**, **p770, p780, p795** **p670, p6 & p5 series p595, p590, p550,** P4Series, RS/6000 F50 Server,Suse Solaris 2.8 and Solaris 10, SDD 1.2.0.4, **TSM Server 5.2**, Clients 4.1, ATL7100 tape library, **Perl 5.6, KSH, BASH, NAS Storage(Netapps).**

**AIX/Unix Administrator**

**Kaiser Permanente, Pasadena, CA Nov 2012– Feb 2013**

**Responsibilities:**

* Administration, Support and Maintenance of pSeries p590 p595 p570 Servers and several RS/6000 using HMC.
* Experience in pSeries hardware; p6 & p5 595, 590, 570 (64-bit POWER5+ and POWER5 processors based) symmetric multiprocessing (SMP); p5 550 and management for xSeries Blade Center Servers JS20 /HS20; pSeries (POWER4 processor-based)
* Responsible for creating LPAR/DLPAR/VIO.
* Installed, configured and tested VIOS
* Installed, configured and tested Logical Partitions technology (LPARS).
* Installed VIO server Advanced POWER Virtualization on IBM P5 System. Assigned resources by making six partitions LPAR client of VIO server and clients Installation.
* Experienced in creating maintaining and managing LPARS, LPARS and VIO with HMC console
* Installed and build from scratch complete NIM Setup. Added different clients to NIM server and their Backup.
* 24x7 on production support
* Creates and maintains documentation for procedures, infrastructure modifications, additions, deletions and Root Cause Analysis for Tivoli Storage Manager Environment.
* Installing and configuring Tivoli storage manager clients.
* Performance tuning and VMtuning for enhancing sap applications and db deployed on the server
* Setting up Oracle RAC cluster on **AIX** Server for Oracle DB for SAP
* Experience working in a SAP Environment and building the servers for SAP.
* Troubleshooting SAP issues from the O/S level.
* Coordinated for seamless installation and configuration of SAP R/3.
* **AIX** 5L v5.2 MPIO support for multi-path Fibre Channel storage subsystems, as well as **AIX** servers configured with multiple Fibre Channel (FC) Host Bus Adapters (HBA) on a StorageArea Network (SAN).
* Extensively worked on Websphere Application Server 6.0.
* Involved in Installation, Administration & troubleshooting of Websphere Application Server 6.0
* Responsible for the support of Production, HA, DR, QA and Development environments with over 30 servers (v240, v490 and E2900) running on Solaris 8 and Solaris 10.
* HACMP upgrade from v4.5 to 5.1 and then 5.1 to 5.2 configured HACMP cluster to keep applications running.
* Configured HACMP clusters for database on P595 and regularly contacting IBM to solve critical HACMP related issues.
* Administered the UNIX System for clustered **AIX** Servers running HACMP and dynamic LPARs with fiber attached SAN storage.
* HACMP upgrade from v4.5 to 5.1 and then 5.1 to 5.2 configured HACMP cluster to keep applications running.
* Configuration of fail over Adapter scenario.
* Writing Performance Analysis reports for **AIX** machines with **AIX** 5.2 and IBM Hardware including H80, B80, S80 based on Kernel Tunable Parameters like AIO Servers, Paging Space, maxperm, minperm and making recommendations for improving performance.
* NAS Storage configuration.
* Installed and configured HACMP 4.5 and 5.0
* Installation and Configuration of NIM
* Build Servers using NIM.
* Configuration & maintenance of HACMP clusters
* Disk Space management using LVM and VERITAS Volume Manager.
* System Performance monitoring.
* Creating File systems, mirroring.
* User management, security planning and implementation.
* High Availability Management.
* Backup and Restore Management.
* Callout Support
* System Performance monitoring.
* Installation, Configuration & Upgrade of Solaris, Suse AIX, RedHat AS3 operating systems running oracle Database.
* Installation Packages and patches.
* Monitoring System using HP/ITO. Do kernel tuning to enhance the system Performance.
* Configuration and Administration of DNS, NIS, NIS+, NFS, DHCP, FTP Servers and clients.
* Installation, configuration and remediation of various Security software.
* Installation and configuration and maintenance of Netscape and Apache web server and Samba Server.
* Configuration and administration of mail server, Send mail, SNMP/POP Configuration and Email user account maintenance.
* Worked with internal and external customer to resolve different System Issues.
* Worked with different hardware and software vendors to troubleshoot the hardware and software problems.
* Worked with vendors for hardware troubleshooting, part replacement, rack mounting the systems.
* Jumpstart Configuration for Solaris and Kickstart configuration for RedHat AS3.
* Writing Shell for automation of job, system monitoring and error reporting.
* Configuration of Hardware and Software RAID. Disk replacement and File system recovery.
* Worked on EMC disk storage to allocate disk space.
* Working experience in multiple datacenters.
* On call pager rotation to support 24/7 applications.
* Planning and setup of Disaster Recovery Servers.
* Trouble shooting of day-to-day system and user problems Developed and deployed backup strategy using TSM environment on over 1000 Unix and Wintel boxes.
* Performed TSM administration on TSM Master and clients
* Implement backup schedules and policies to meet customer SLA
* Document backup policies and procedures for backup routines, schedules and restore policies.
* Experience in setting up Secure Shell (OPENssh).  
  Exposed to ITSM and process of handling tickets
* Maintain and develop web proxy configurations for web access, manage segregation of the user communities through KEON logins and file-based permissions, implement large scale file system management, and manage the expanding software suite
* Proficient in performance monitoring and tuning in Sun SPARC Systems

**Environment: Dell PE-2650, Cisco 9500**, Brocade Silkworm, **AIX 5.1, 4.3.3**, **p590, p570, p550**, **TSM HACMP**

**AIX/Linux/Unix Administrator,**

**Honda, Pleasanton,CA March 2011 to Sept 2012**

### **Responsibilities:**

* Responsible for installation, troubleshooting and maintenance of 45 AIX 4.x/5.1/5.2 servers.
* Clustered multiple servers using HACMP V4.5
* Responsible for event processing, change management and problem determination in HACMP environment.
* Upgrading the microcode level and maintenance level.
* System & Backup management using IBM ADSM Backup Server.
* Responsible for the operation, maintenance and integrity of a distributed, networked AIX based environment
* IBM RS/6000 SP System Software Maintenance, AIX System Dump Generation and sending System Dump to AIX System Support Center.
* AIX System Administration using SMIT.
* Setup and configured network TCP/IP on LINUX and AIX servers including RPC.
* Experienced in installation and configuration of HACMP.
* Installation/Administration of TCP/IP, NIS/NIS+, NFS, DNS, NTP, Auto mounts, Send mail and Print servers as per the client’s requirement.
* Logical Volume Management (LVM) of AIX
* Predefined and Customized Volume Group management on AIX.
* Disk Management on AIX using SMIT.
* Installation and Administration of Tivoli Directory Server.
* Disk Replacement Strategy on AIX.
* Performance Management & Tuning of AIX /UNIX Kernel.
* Managing cron jobs, batch processing and job scheduling.
* Software installation and maintenance.
* Security, Disaster Recovery, users and groups administration.
* Networking service, performance, and resource monitoring.
* Support of multi flavor Unix environment (viz. AIX, Solaris,Suse Linux and windows) with various responsibilities.
* Managing IS infrastructure for 16 online stations in Middle East, Central Asia and south Asia.
* Managing IS infrastructure for 8 online stations in Mediterranean region.
* Maintenance and upgrade of network and IS infrastructure in the region.
* Server configuration and desktop support.
* Responsibility of system integration of new offices (stations and airport).
* Troubleshooting of network, hardware and configuration related problems.
* Migration of SDLC LINK to Framerelay link for all the station and configuration of SNA server for TCP/IP network.
* Experienced in System startup and shutdown processes, POST tests, System startup in auto, manual, reconfigure and interactive modes. Performed maintenance mode operations.
* Experienced in performance analysis, monitoring and tuning kernel, TCP/IP and NFS parameters.
* Experienced in System Resources Management, which include Disk, Memory, paging space, CPU and other resources on the system.
* Experienced in setting up of State Database Replicas, concatenation, striping, mirroring and raid5 Meta Devices, creation of file systems using Sun OS and Compaq Smart Card arrays
* Experienced with management of exported lists (files & directories), remote-mounting operations, handling NFS daemons, monitoring NFS information and statistics.
* Experienced with system backup and restoration utilities. Implementing different backup strategies for different purposes, Writing backup and restore scripts, handling tape problems.
* Installed and configured local, remote and network printers, plotters and digitizers. Setting up the queues and Error log analysis.
* Experienced in setting up DNS, WINS, and NIS. Configured master, slave servers and clients.
* Involved in setting up of Exchange server and Unix mail server.
* Involved in utilizing the resources on windows Servers (viz. printers and plotters) from the Solaris servers by implementing Samba
* Troubleshooting of the network and servers and attending the day-to-day help desk activities.
* Involved in Ms Sql Server Administration. Experienced with installation and the creation of Database, Tablespaces, users, control files, redolog files, etc., Tablespace Management, creation of listeners, DB-Links, Materialzed views, etc., logical export and Import, taking cold and Hot Backups and backups and recovery and troubleshooting, etc.
* Involved in Vendor Management, evaluating Products and building matrix with parameters such as Price v/s performance v/s Features v/s requirements and use.
* Gained Good Experience in project management, capacity planning and disaster recovery.

### Environment: **OS: AIX 4.3, Solaris 8, Linux and windows NT 4.0 /2000.**

**EDUCATIONAL QUALIFICATION:**

* Masters in Computer Science and Engineering
* Bachelors in Computer Science.
* **IBM AIX 5L 5.3** Certified Professional.