**Mirza Dowla**

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| **Summary:**   * 7years of overall experience in **Linux and Unix Systems** Administration with installation of patches, packages and application software on **RHEL, SUSE and AIX 4.x, 5.x, 6.x, Vio, HACMP, NIM.** * Experience in Maintenance and Development of **Red Hat Enterprise Linux, SUSE Linux, Oracle EL, Centos, IBM AIX, HP-UX and Solaris servers.** * Experience in Installation and configuration of **OEL, Red Hat Linux AS 3.0 /4.0/5.x & SUN Solaris 8, 9 and 10 on Sun, Dell, and HP x 86 Servers.** * Installed OS by using **Jumpstart, Kickstart, NIM and Ignite methods**. * Performed User Account management, data backups, and user logon support. * Experienced in installation, configuration, administration, troubleshooting, tuning, security, backup, recovery and upgrades servers * Experienced in configuring and supporting Logical Partitions/Micro Partitions **(LPAR/DLPAR),** via **HMC** (Hardware Management Console). * Experienced in implementing the Workload Management (WLM) * Installation of **VIO Server on IBM p6 & p5 systems** * Experience defining system requirements, recommended solutions, analyze capacity and make appropriate modifications * Installation, administration, configuration and testing of **VIO Server and VIO client LPAR’S.** * Extensive experience with Virtualization * Experienced with the installation, configuration of volume management using VERITAS Volume Manager and Solstice Disk Suite on Solaris and experienced in RAID 0, 1, 5, 10 configurations. * Extensive Experience in optimization of Enterprise Applications using **Web Sphere** Application server 5.0/4.0/3.5, **XML**Config, Workload Management (**WLM), WAS** Resource analyzer, Web Sphere Test Environment **(WTE), IBM Visual Age for Java 4.0/3.5, EJB, JNDI, LDAP, JMS, Oracle 9i/8i/7.x, DB2** UDB on Sun Solaris, AIX and Windows 2000. * Configuration management including the building of LPARs and configuring the hardware devices that support them. * Experience Monitoring and altering file system usage, hardware and system process failures. * Experience developing, deploying, implementing, testing and support of full life cycle implementations of various J2EE/Internet/Intranet and distributed applications. * Configuring Kickstart Servers and booting the images using PXE in RedhatLinux(RHEL). * Experienced with the installation and configuration on **Apache 2.x, 1.3.x, 1.2, JBoss4.0.x Web Servers and, BEA WebLogic 8.x, 9.x** servers. * Experience with configuration and maintenance of NFS, DNS, NIS/NIS+, DHCP, SMTP, and Networking with TCP/IP. * Experience with IBM-AIX kernel Tuning, Performance Analysis and Load Balancing. * Experience with Network administration tasks - adding and removing users file and share permissions, trust management, replication management, server backups, and server setups. * Performed user tasks including submitting and managing parallel, serial and interactive jobs. * Experience with Day to day administration of the Development environment and Production and Test environment systems.   **TECHNICAL SKILLS:**   * **Operating Systems:**Linux (Red Hat, CENTOS, Ubuntu 12/13, & SUSE), IBM AIX 5.x, Solaris 10/9/8, HP-UX 11.0, 11.11, 11.23, 11.31, HPUX11i V1, V2 & V3,SLES 8,9,10 & 11, AIX 4.x/5.x, Linux, Windows 95/98/XP/NT Server. * **Hardware:** IBM p-series p620, p630, p650, p690, p5-series p570, p575, p590 RS600043p, 44p servers/workstations. EMC SAN Clarion Symmetrix, FASt * **Languages:** C, Java, Java scripts & Shell Scripts * **Databases:** IBM DB2, MS-SQL Server, MS- Access * **Tools:** Developer, J2EE, WSAD, TPM, Resource Analyzer, Log Analyzer. * **Web/App Servers:** IBM WebSphere 3.5/4.0/5.0, Weblogic, Netscape Enterprise Server (3.6.3/iPlanet), Apache, IBM HTTP Server, Tomcat. * **Networking:** TCP/IP, DNS, DHCP, HTTP, SSH. * **Other Skills:** VIOS, HACMP 4.3.1, 4.4, HACMP/ES 4.5, 5.X, Samba, Veritas Volume Manager, TSM - Tivoli Storage Management.   **EXPERIENCE:**  **BestBuy, Minneapolis, MNAugust 12 - Present**  **Linux Systems Administrator**  **Responsibilities:**   * Installation and configured **Oracle Enterprise Linux**, **Red hat 4.x, 5 on Dell Power Edge Blade servers** using **Kickstart with PXE** for LAMP (Linux, Apache, MySQL and Perl/PHP) installations. * Installation and Administration of **Oracle E Linux on x86** Enterprise Servers for test lab, production and disaster recovery setup. * Configuring **Kickstart** Servers and booting the images using PXE in Red Hat Linux. * Networking: VLAN, TCP/IP, DNS, DHCP, HTTP, SSH * Use ILO/IMM/HMC for remote access of servers on Linux/AIX respectively. * Specialized in configuration of **NFS,DHCP, LDAP, DNS, Automount, Sendmail, FTP** and remote access * Implementation of **VMware Infrastructure** for **Windows, SLES 11**&**Linux Red hat 5.0** with **VMware ESX 4.x,3.5, Virtual Center 2.5** and administered the **VMs** with **VI client.** * Responsible for distributing upgrade of 6.1 on all AIX servers. * Building and testing of sandbox servers.Configuration of VLAN and Ethernet Link Aggregation. * Supported File Transfer Protocol application for hundreds of clients processing files through company’s servers. * Installed and configured **SAMBA** server for windows and Linux connectivity. * Installed and configured **LAMP** (Linux, Apache, MySQL, and PHP) for different applications. * Managing and editing Perl scripts and configurations pertinent to the transaction process for the bank and various clients. * Adding new FTP requests in Connect Enterprise/Connect Direct and internal Perl scripts * Editing, testing and administering Samba protocol for file transactions * Managing client and user accounts in Connect Enterprise specific to FTP business operability * Configure RMDS application on RedHat Linux 5.6 * Manage ADS and ADH connection feeds dealing with RMDS application on Linux. Querying usage statistics and stock quotes for DACS users using “Icon”, “adsmon”, “adhmon”. * Manage, configure and deploy Sybase Database and Services for Thompson Reuters RMDS on RedHat Linux 5.6. * Installed RSA Linux RedHat 5.6/5.7/5.8 servers on HP Blade Systems through the HP Management Console and ILO Window using Remote Desktop on a Windows workstation. Ensured compatibility of Linux OS for various different blades. Testing and installing RSA patches. * Install and configure **SSH** to enable secure access to the servers. * Modified the Linux kernel to add tracing probes for Config access tool. * Developed a tool for logging the Process creation and exit as well as file creation and exit. * Worked on user management and groups, worked on creating the users policy for Databases like Oracle and MySql. * Environment, Command line, Current working directory, root directory, executed command. * Configuring bothrpvserver and rpvclient on production and disaster recoveryservers respectively. Defining the GLVM disk to a Remote Physical Volume Group and establishing Remote Site Mirroring. * Taking down GLVM on production and importing mirrored GLVM VG to backup server. * Solaris VMs that are soon to be installed through VMWare, ILO console. Possibility of utilizing Oracle Ops Center to perform upgrades. Responsible for day to day troubleshooting, support and upgrades. Previous experience with Solaris mandates my responsibility for this role.   Environment: Redhat Linux 4.x,5.x, SLES, IBM AIX 5.6, 6.1, 7.0, , VMWARE, E3500, E4500, E6500, , HP Sure Store Array, ,Connextrix manager, VERITAS Volume manager, System imager, Veritas Net backup, Veritas Cluster server, , Tivoli, Satellite server, Sunone Directory, Iplanet webserver, Jboss, Apache, Tomcat, JVM, Oracle 10g.  **Research In Motion, Las Colinas, TexasMar 2010- Jul 2012**  **Linux Systems Administrator**  **Responsibilities:**   * Manage, Administer, Install and Upgrade fleet of 600 Servers running on REDHAT ENTERPRISE LINUX, SUSE, UBUNTU and AIX. * Worked on solving problems and performance issues; deployed latest patches for **Linux** Application servers, Performed **Red Hat Linux** Kernel Tuning for **TCP** stack. Installation **Red hat Linux 8, 9.0** on Dell, Proliant, and Enterprise Server 4.0 * Install and configure **DHCP**, **DNS (BIND, MS), web (Apache, IIS), mail (SMTP, IMAP, POP3),** and file servers on AIX and Linux servers * Maintained and Managed user accounts and user permissions * Provided support with security patching as required during system upgrades * Maintained the Repository with custom packages and patches that were locally developed. * VIO Management and configuration * OS patches and upgrades- TL maintenance and Service Packs * Installed AIX 6.1 through ‘mksysb’and ‘spot’ restores * Perform LVM, SAN and multipathing operations on the AIX and RHEL servers * Full NIM server utilization * Installed and configured Websphere Application Server versions 6.1.X – 7.1.X * Experience with WAS Console and Deployment Manager * Experience with Oracle Enterprise Tax Management * Installed and configured Microfocus MFC 5.1 * Managed file permissions & ownership for important directories & files. * Created logical partitioning LPAR and dynamic logical partitioning DLPAR defining virtualization on IBM Pseries servers using HMC. * Co-ordination with Core Network/Application team for successful migration. * Implementation and administration VMWare ESX/GSX infrastructure. * System, Security & Network monitoring tools implementation for data center server. * Installing, supporting and administering network environments. * Capacity planning of disk space and hardware resources required for production and development machines. * Plan and implement network security, including building firewalls, applying cryptography to network applications, managing host security, file permissions, backup and disaster recovery plans, file system integrity, and adding and deleting users. * Assisted backup team for defining backup policies. * Troubleshoot NIS, NFS, DNS and other network issues. * Extensive experience in configuring and troubleshooting different RAID levels. * Configuring Distributed File System (DFS) server. * Involved in testing of products and documentation of necessary changes required in this environment.   Environment: RedHat Linux 4,5 , AIX 5.2, 5.3, AS3.0/ AS4.0, LVM for Linux,Websphere Application Server versions 6.x, 7.x , Apache, IIS VMWare ESX/GSX EMC DiskArray, Apache 2.0, Jboss,HACMP, Websphere, NIM.  **Union Central Life Insurance, Cincinnati, OH Jan 2009– Jan 2010**  **Linux Systems Administrator**  **Responsibilities:**   * Responsible for Installation, Configuration Management, Maintenance and Systems Development of AIX Systems and Redhat Systems. * Worked with IBM pSeries p520, p550, 590 & IBM Blade servers. * Creation of VMs for SUSE, Solaris x86 and Redhat Linux on VMWare ESX 3.5 and administering them with VI Client. * Created and managed user accounts, security, Access Control Limits (ACL), permissions, disk space and process monitoring in  **Redhat Linux** and **IBM AIX** * Maintaining **Suse Enterprises Linux 8,** and**Redhat Linux AS 5** servers in development, test and Production environment and proactively monitoring and administering production and development servers * Involved from Capacity planning to building the servers from the scratch and testing the environment before gearing up for development. * Utilizing TSM in a 24x7 production environment. Installed and configured TSM client on AIX 5.3 and 6.1. Troubleshooting TSM Missed and Failed backups daily on production servers. Modifying dsm.sys/opt files when needed and working directly with TSM admins when performing maintenance. * Modified the Linux Kernel (2.4) to control the swappiness. * Responsible for performance tuning of AIX * Troubleshooting networking and hardware failure. * Coordinated for deployment of Java applications on WAS. * Installation and configuration of New Managed Systems making them whole single partition or with Different partitions. * Specialized in configuration of **NFS,DHCP, LDAP, DNS, Automount, Sendmail, FTP** and remote access * Created Logical Partitions of VIO Servers and VIO Clients on p-Series frame and assigning processor, memory and Ethernet adapters to VIOS and assigning memory and processor to VIOC (LPARS). * Installation and configuration of VIOS 1.5.2.5, VIOS Fix pack 11.1 Service Pack via NIM Server. * Installation of AIX 5.3,6.1 on all VIOC/LPAR Clients, installation via NIM Sever * Configured Ether Channel by Link aggregation of two physical NIC’s * Creating SEA “Shared Ethernet Adapter” to bridge between Ether channel and Virtual Ethernet Adapters * Setup of VIO Clients/LPARS sharing Ethernet Adapters and SCSI’s * Expert hands on experience with HMC-7 to make VIOS and VIOC partitions * Revised security policies to improve existing security. * Worked on solving various troubleshooting procedures on SP2 systems, maintenance of system logs for backup & restoration. * Configured and maintained HACMP on p4, p5 and p6 systems. * Management and Administration of Linux RedHat 4-6. Performed quarterly server upgrades and monthly remediation/maintenance. * Upgrade and maintenance on Solaris 8/9. Performed monthly patching and met weekly compliance standards. * Performed upgrades on Solaris boxes through Oracle Ops Center upgrade tool. * Provided **24x7** System Administration support for **AIX 5.2/ 5.1** based servers and **Redhat Linux 4.x, 5.x** servers   Environment: Red Hat Enterprise Linux 3.x/4.x/5.x, Sun Solaris 10, on Dell Power Edge servers 1650,1750,1850,2650,2850,2950 and Dell R610,R710,R810,R900,R910 Power Edge Rack servers ,Sun Blade 2500 , TCP/IP, HTTP, Brocade-Routers/Switches, SAN Switches, Tape Libraries  **Washington Suburban Commission, Laurel, MD Oct2006- Dec 2008**  **Jr. AIX Systems Administrator**  **Responsibilities:**   * Responsible for Installation, Configuration Management, Maintenance and Systems Development of AIX Systems. * Worked with IBM pSeries p520, p550, 590 & IBM Blade servers. * Involved from Capacity planning to building the servers from the scratch and testing the environment before gearing up for development. * 24x7 on call support * Installed and build from scratch complete NIM Setup. Added different clients to NIM server and their Backup. * Installed VIO server Advanced POWER Virtualization on IBM P5 System. Assigned resources by making partitions LPAR client of VIO server and clients Installation. * Installed AIX 5.3/5.2 on LPAR from NIM master * Responsible for performance tuning of AIX * Responsible for creating maintaining and managing LPARS, LPARS and VIO with HMC console * Backup and Restore of mksysb Images on DVD and tape devices. * Scheduled Backup of HMC on DVD’s and Restored HMC from its backup. * Build and configured new HMC from Scratch. Updated HMC from version 5.1 to 5.2 and 6.1.2 and installed specific fixes. * Installation and configuration of New Managed Systems making them whole single partition or with Different partitions. * 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. * Expertise in storage area network (SAN) installation and Administration. * Mounting the Disks allocated from the SAN (Clarion and symmetrix) for Solaris, Linux and servers. Installed new and removed the bad HBA cards from the server. Checked the power paths in server side. * Prepared script in ksh, to administer the system, Monitoring logs and meeting the requirements of Applications. * Updated Microcode Level of Managed system and Updated SCSI firmware level to solve the problem of SCSI devices. * Configured and Installed web server. installing application ArcIMS, Cadops, GIS * Oracle RAC Responsibilities * Build 4 AIX Standalone servers to configure and build Oracle RAC cluster using ASM. * All AIX Servers were installed AIX 5.3 and ensured all servers in the cluster were having same OS level and TL. * Each Server in the Oracle RAC Cluster needed storage dedicated to itself as well as storage which is shared among the servers in the cluster * Standard AIX LVM Oracle volume group (oraclevg) was created on NON-SHARED SAN disks (LUNs) dedicated to each server in the cluster. * Allocated 3200GB ASM Data RAW Disks storage to create DB Instance * The luns added to RAC DB were using Oracle ASM (Automatic Storage Management) and not AIX LVM. * Each server in Oracle RAC cluster required SAN disk storage dedicated to itself, as well as SAN disk storage that is shared between all servers in the cluster and all these Luns were using Oracle ASM (Automatic Storage Management). * Given Alias names to Luns and made them to be visible and usable on ASM as per the RAC requirement. * Once the Luns were allocated to RAC ASM they were to be managed by Oracle DBA’s * Environment: AIX, VIOS, HACMP, Solaris. Linux, LPAR, DB2 UDB, IBM Http server, Web server, Websphere application server 6.0, Java, UNIX Shell scripting, LDAP, EMC SAN. |
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Environment: AIX 5.1, 5.2, 5.3 RedHat Linux 4,5 AS3.0/ AS4.0, LVM for Linux, EMC DiskArray, Apache 2.0, HACMP, Websphere, NIM.