**KARTHIK**

**EXPERIENCE SUMMARY**

**Certifications: IBM certified WebSphere Application Server Network Deployment V8.5.5, System Administration.**

* 7+ years of experience in Installation, Configuration, Administration, Integration & Troubleshooting of WebSphere Application server Base/ND 6.x/7.x/8.x, and IBM HTTP Server 6.0/7.0/8.5, Apache & IIS on AIX, Linux, Solaris and Windows.
* Hands-on experience in operating on demand router.
* Expertise in Installation, Configuration, Trouble-Shooting and Maintenance of BEA WebLogic Server […] JBOSS 4.x/5, Iplanet Web Server, Apache Web Server on different UNIX flavors and environments.
* Experience with Apache Webserver 2.0/2.2 and 2.3 and Tomcat 6.0.
* Expertise in UNIX/LINUX environments like RHEL, Solaris, CentOS.
* Experience with automation of different scripts like Jython, Python and Ant.
* Extensive experience on Implementations, troubleshooting, and proactively monitored Red Hat systems for the Enterprise.
* Hands on experience on installation and configuration: Linux, Red Hat Enterprise Linux 4/5/6/7, SLES, CentOS, Ubuntu.
* Installation of Patches on the servers running different applications and validating that the server is fully patched with all firmware and OS critical updates.
* Developed UNIX shell scripts to automate the WebLogic Administration (recycling the application server, deploying applications, logs rotation, monitor application state).
* Excellent understanding of installation, application deployment, monitoring and maintenance of Apache Webserver 2.0/2.2 and 2.3 and Tomcat 6.0 and Tomcat 6.0 on Linux environments.
* Strong Administrative skills for IBM WebSphere Application Server, IBM HTTP Server, IBM Tivoli Directory Server (LDAP).
* Configured ODR.
* Extensive experience in MQ series.
* Hands on experience on WebSphere Transaction Extender Software V8.2, 8.4.1 and 8.4.2.
* Responsible for configuring Payment Gate way using Websphere ESB on Glass fish environments.
* Responsible for integrating BEA AquaLogic BPM and BEA AquaLogic ESB in a web sphere clustered environment.
* Managed and configured interaction with BEA AquaLogic ESB.
* Integrating the mainframe trouble ticket system to web-based system using EJB Architecture to be deployed in Web Sphere Application Server.
* Experience in applying fix packs and plug-ins, troubleshooting, performance tuning and performance monitoring of WebSphere Application Server.
* Integrating enterprise wide J2EE applications and deploying on WebSphere and managing security policies for different applications and also supporting the full life cycle implementations.
* Configured and Secured Web server interface, Session management, WebSphere resources in WebSphere.
* Experienced in configuration of WebSphere Application Server cells, nodes, clustering, application servers, virtual hosts and session management, configuring web server plug-ins, IBM HTTP Server, LDAP.
* Hands on experience in various Web Servers such as Apache, Tomcat, IIS and IBM HTTP Server.
* Successful implementations of Workload Management using cloning and clustering techniques including Horizontal and Vertical Cloning for failover and backup/recovery processes.
* Configured WebSphere Deployment Manager and Application Server profiles in clustered environment to utilize the advantages of failover and load balancing in multi-node environment.
* Implemented the clustering of queue managers to achieve workload balancing and to reduce system administration.
* Tuned the JVM, web container, DB connection pool, and web server parameters to get the maximum performance for applications.
* Experienced in installing Fix Packs and Cumulative fix packs and Migrating to latest versions.
* Troubleshooting Production issues, Worked on resolving Application Server Hang issues and High memory and CPU issues in WebSphere Application Server.
* Provided 24/7 pager support and worked with WebSphere Level2 support on PMRs in complicated issue resolution.
* Used Jython, Bashscripts to automate administration tasks on WebSphere.
* Used Log Analyzer, Heap Analyzer, Thread Analyzer to analyze the java core dumps and heap dumps.
* Experience in creating job manager, dynamic clustering and ODR.
* Hands on experience in Wily Introscope Enterprise Manager.
* Worked on Problem tickets (PMR's) with IBM to find effective solutions to various problems and performance issues.

**Technical Skills**

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| **Application Servers** | IBM WebSphere Application Server 8.5.5, 8.0 7.0, 6.x, WebLogic Server 12.1.1, 10.3.5, WebSphere MQ 8.0, Message Broker. |
| **Web Servers** | IBM HTTP Server, Apache Http Server, Microsoft-IIS, iplanet |
| **Tools** | WinSCP, Putty, XMing, BMC Automation, Migration Discovery Tool. |
| **Languages** | C, C++, Java, HTML, XML, MySQL |
| **Operating Systems** | Linux, Unix, Windows |
| **Scripting** | JACL, Jython, Python, Shell Scripts |
| **LDAP Servers** | IBM Tivoli Directory Server, IBM Lotus Domino |

**Education**

**Bachelor’s** degree in Electronics and Communications .

Jawaharlal Nehru Technological University, Hyderabad, India

**PROFESSIONAL EXPERIENCE**

**Client:**  **BCBSM, MI May 2014– Present**

**Role: Senior Middleware Administrator**

**Responsibilities:**

* Installing, Configuring and Administering WebSphere Application Server ND/XD 6.1/7.x/8.x on Sun-Solaris, RHEL and Windows platform for all Dev., QA, UAT & Production environments.
* Installation, configuration, Tuning and Administration of JBOSS 6.1 version on Oracle Enterprise Linux (OEL) environment.
* Configured On demand Router (ODR) between HTTP server and Application Server to forward HTTP request dynamically to the dynamic cluster in Application Server.
* Configured health policies to monitor health of JVM’s.
* Installed, configured and maintained WebSphere Transaction Extender Software.
* Installed Websphere Transformation Extender Launcher.
* Integrated Message broker into WebSphere Trasformation Extender for Integation Servers.
* Configured ODR to generate proxy plugin file and transferred the plugin file manually on webserver.
* Created and kept the tickets well updated in JIRA tool, and documented precise steps in CONFLUENCE tool.
* Supporting and troubleshooting various issues occurring in ATG, BCC (Business Control Center), Endeca, JBOSSSever and Datasources.
* Integrating the mainframe trouble ticket system to web-based system using EJB Architecture to be deployed in Web Sphere Application Server.
* Involved in Application integration for Customer Trouble Ticket Tracking System, a web-based system using EJB Architecture deployed in Websphere Application Server.
* Managed and configured interaction with BEA AquaLogic ESB.
* Installation and Configuration of Red Hat Enterprise Linux 5.x,6.x,7.x and IBM AIX 5L 5.x operating systems on large distributed environment. Installing, testing and patching existing RPM’s.
* Responsible for daily activities which included administration and maintenance of Enterprise and Advanced Servers (ES/AS) running Red Hat Enterprise Linux.
* Provided Administration support for server running on IBM AIX 5L 5.3 at other facilities.Installed and Configured **Red** Hat Enterprise Linux 5.2 inDell Poweredge 2970 and R905,Involved in System Analysis and Performance Monitoring of Red Hat Linux.
* Software package and patch administration, involving adding and removing software packages and updating patches.
* Handling problems or requirements as per the ticket (Request Tracker) created.
* Writing shell scripts for Automated Back- ups and Cron Jobs.
* Monitored server and application performance & tuning via various stat commands (vmstat, nfsstat, iostat etc.) and tuned I/O, memory, etc.
* Monitored daily backups and maintained offset backup for recovery in case of a system crash.
* Upgraded minor versions of Apache to remediate security vulnerabilities.
* Used TPV and Wily Introscope to identify performance bottlenecks including application memory leaks, server process degradation, database connections, http threads, etc.
* Queue manager and other MQ objects creation as per the Application requirement.
* Extensive experience on configuration and monitoring the MQ Listeners, Channel initiators, Trigger Monitors, MQ Log files and Dead Letter Queues.
* Following standard naming conventions for MQ objects.
* Hands on Experience configuring MQ Service Objects.
* Established communication between MQCLIENT and MQSERVER.
* Created and Configured Topic Objects to meet Pub/Sub requirements in Project.
* Troubleshooting and resolving the problem within the entire MQ environment.
* Upgraded minor versions of Apache to remediate security vulnerabilities.
* Developed UNIX shell scripts to automate the WebLogic Administration (recycling the application server, deploying applications, logs rotation, monitor application state).
* Performed performance tuning of JVM heap size, GC, Java stack trace analysis.
* Configured WebSphere application server resources like JDBC, J2C and JMS.
* Installing and configured the IBM HTTP Server 7.0/8.5 and Microsoft IIS (7.0&8.x).
* Installing WebSphere using GUI, silent and console based installations.
* Installing WebSphere as a root and non-root user.
* Installing WAS 6.X, 7.X using update installation.
* Involving in migrating applications from WAS V6.1 to 7.0 to 8.5.
* Migrating of WebSphere versions using WASPreUpgrade and WASPostUpgrade tools.
* Hands on experience in deploying static clustering, dynamic clustering, single sign on, and ODR.
* Responsible for applying fix packs to WebSphere Application server and IHS web server.
* Configuring WebSphere by using DB2, Jython and shell scripting.
* Deploying the applications in Testing, Staging and Production Environments, following change management practices.
* Resolving complex issues by looking at the log files and trace files.
* Installing EARs, WARs and configured application specific JVM settings, Web container parameters using the Admin Console and Jython scripts, following the change management requests.
* Managed the Security and Performance Optimization for EJB containers and Web Applications in WebSphere, IHS web server.
* Achieved Workload Management and Failover by Creating and Configuring Clusters and Cluster members for Load Balancing and High availability.
* Hands on experience in enabling static traces and runtime traces.
* Creating and Managing User roles and Groups for Securing the Resources using local operating system authentication.
* Using of WSINSTANCE to create multiple WebSphere instances from the command line.
* Using of Tivoli Performance Viewer to monitor WebSphere Applications and tuned the environment accordingly like changing the JVM Heap, Connection Pool settings.
* Monitored the health of the JVM by taking Thread Dumps and analyzing the Stack trace, which helped in performing Root Cause Analysis to find out the cause of the problem.
* Performing routine management of WebSphere environment like monitoring Disk Space and CPU Utilization.
* Involving in Troubleshooting Admin Server start-up issues, Java code defects after deployment, like class path issues and errors in application properties files by checking JVM logs and Plugin-logs.
* Involving in Trouble shooting and Performance tuning using Resource analyzer and Log analyzer.
* Improving the performance of the system by tuning the webservers by increasing the number of threads, increasing the transaction threads and reducing the idle time out properties.
* Involving in load testing activities and revised load testing by increasing the performance of the webservers.
* Working closely with Code Deployment Team to resolve application deployment issues.
* Ensuring consistent communication between WebSphere Clients, Edge Components, Web Server, Application Server(s), and Database.
* Comprehensive knowledge in enabling or using Garbage Collection, GC or Verbose GC.
* Enabling Global Security and secured the applications by using Sun One LDAP user registries and LTPA authentication mechanisms.
* Creating and federating profiles to the Deployment Manager using both Profile Management tool and also automated the process using manage profiles and addnode command.

**Environment**: IBM WebSphere Application Server ND/XD V6.x/7.0/8.x, WebSphere ODR, Oracle10g, Sybase 15.0.3/15.0.2, IBM HTTP Server6.0, Netscape Directory Server 5.1, Site Minder, Windows NT/2000, Microsoft IIS 5.0& 6.0, IBM WebSphere Studio Application Developer RAD6.0/WSAD 4.0/5.0, JDK1.6, XML, JACL and Jython scripting.

**Client: IBM/WellPoint, IN        June 2013– April 2014**

**Role: WebSphere Middleware Consultant**

**Responsibilities:**

* Installed and configured IBM WebSphere Application Server V6.1/7.0/8.5on RHEL 7.0 and Windows 2008.
* Installed and configured IBM HTTP Server V6.1, 7.0, 8.5 and WebSphere Plug-in on Linux and windows.
* Installation and configuration of WebSphere Process Server V6.2 on AIX and Windows.
* Installation of WebSphere Update Installer V7.0.0.5 and Global Security Kit V7.0.4.23 for 32 bit and 64 bit operating systems.
* Collect and analyze current system settings. Evaluate, test, and deploy audit remediation settings.
* Monitor ticket queue to attend user and system calls, attend team meetings, change control meetings to update installation progress, and for upcoming changes in environment
* Documented all the steps done as part of the Server Hardening process
* Create change order request and exception request for Hardening production servers and resolve it once Hardening is completed.
* Implementation of Samba to help printing and file sharing in the mixed Environment
* Document and maintain the inventory using asset management techniques.
* Make recommendations to improve and maintain audit processes.
* Migrated applications running on AIX to Solaris and also migrated the applications from version 5.1 to version 6.
* Created profiles on Process Server and Application server by using manage profiles.
* Created profiles using Profile Management Tool Wizard and silent profile creation (through response files).
* Configured cells and implemented horizontal and vertical clustering to achieve high load balance and high availability of the system
* Created users, groups in LDAP (TDS) and mapped them to the enterprise applications running on WAS.
* Worked on LDAP configurations like creating the LDAP Server Instance on Tivoli Directory Server.
* Created the LDAP Administrator accounts and Initialized the LDAP registry.
* Configured global security with LDAP registry and configured users for authentication.
* Configured Load Balancer in Data Power to route the messages to multiple instances of WebSphere Process server.
* Generated SSL Certificate using Ikeyman toolkit and Hummingbird Connectivity V 8.0 and IPMAN.
* Developed automated shell scripts for starting and stopping of the servers.
* Deployed Enterprise applications on clustered Application Servers through admin console and by using automated scripts on UNIX/Windows environment.
* Creating Users and groups on Tivoli Access Directory and granting permissions.
* Configured workload management (WLM) using clusters and server groups.
* Worked with creation of Clusters, Cluster members, message engines.
* Configured WebSphere resources like JDBC resources, J2C and JMS providers.
* Deploying J2EE applications on WebSphere Application Server and WebSphere Process Server.
* Monitored JVM heap sizes and garbage collector for tuning JVM’s.
* Troubleshooting different application errors and application server errors.
* Enabling Logs and Traces for application servers, Dmgr and Node Agent for analyzing logs.
* Good at troubleshooting using Traces, Logs and Log Analyser, Automated FixPack/eFixes installations, daily backups, log archival, and other tasks using scripts.
* Configure Apache HTTPD for load balancing and failover.
* Worked closely with developers to define and configure Application Servers, Virtual Hosts, Web Applications, Web Resources, Servlets, JDBC Providers, Data Source and Servlet Engines.

**Environment:** IBM WebSphere 6.x/7.x/8.5, IBM Process Server 6.2, IBM Business Monitor 6.2, Tivoli Directory Server 6.1, WebSphere Service Registry and Repository 6.2.0.2, WebSphere Update Installer V7.0.0.5, Global Security Kit V7.0.4.23, IBM MQ Series 6.0, IBM HTTP Server 6.1, Apache 2.0.47, Hummingbird Connectivity 8.0, Oracle 10.2.0.1, DB2 9.1.0.8, AIX and Windows 2003 SP2.

**Client: Medtronic, Minneapolis, MN Jan 2013 – May 2013**

**Role: WebSystem Engineer Administrator**

**Responsibilities:**

* Installation, Configuration and Maintenance of IBM WebSphere Application Server 6.1/6.0 on Linux and Windows 2003 Platforms.
* Implementation of horizontal and vertical scaling of WebSphere Application Server (WAS) in a workload-managed cluster. This has involved modeling and cloning (now called server groups and cloning) services in WAS 6.x
* Installed Fix packs, Cumulative Fixes and Refresh Packs on the Base and ND Versions.
* Developed Deployment Automation for automatic installation of applications and modules on to a running Websphere server.
* Ensuring consistent communication between WebSphere Clients, DB2, and IHS.
* Implemented security using LDAP Server and Tivoli Access Manager (TAM).
* WebSphere process tuning, Administrative Repository tuning, JVM optimization, Java memory tuning.
* Experience in implementations of Work Load Management (WLM) using Clustering techniques (including Horizontal and Vertical Clustering).
* Deployment, Installation and maintenance of several Enterprise Applications in a clustered environment with fail-over support with the interaction of the Developers.
* Experience using of F5 load-balancers Tool to check the load on each application.
* Performing Troubleshooting by analyzing log files using the Log Analyzer tool and also by running traces.
* Used TPV and Wily Introscope to identify performance bottlenecks including application memory leaks, server process degradation, database connections, http threads, etc.
* Worked on thread count stack size as a part of performance tuning in sunone webserver.

**Environment:** IBM Web sphere Application Server 6.1/6.0, Linux, Windows 2003, DB2 UDB, Oracle, Active Directory 2003, TDS 5.2, TAM, IBM HTTP Server 2.0, Apache 2.2, Shell Scripting, JACL and Jython.

**Client: Wells Fargo, NC Jun 2012 – Dec 2012**

**Role: WebSphere Consultant**

**Responsibilities:**

* Installed, configured, and maintained WebSphere Application Server Network Deployment (ND) V6.x/7.0, IBM Http Server V6.x/7.0, Created profiles using Profile Creating Wizard and silent profile creation.
* Installed/Deployed EAR, WAR files in WebSphere and JBOSS EAP.
* Configured WebSphere application server resources like JDBC, J2C and JMS.
* Installation, configuration and administration of 1000+ Red Hat Linux servers and support for Servers.
* Installation, maintenance and regular upgrades of Red Hat Linux Servers usingkickstart based network installation**.**
* Unix/Linux User ID Administration, providing Sudo access**,** Troubleshooting User’s login and home directory related issues.
* Accountable for Monitoring memory, CPU and Disk Utilization Statics on Sun Servers and analyze the performance.
* Worked on tools such as Remedy, HP service center and Peregrine tool.
* Worked on management/quality related documents for BT project.
* Created the Clustering Topology in WebSphere Application Server ND V6.x, to achieve Work Load Management High availability, Load Balancing and Hardware fail over.
* Managed performance tuning of Web Server, Web Container, EJB Container and database connection pool.
* Configured and handled Wily Introscope for monitoring the performance and for troubleshooting of WebSphere environment.
* Configured WebSphere SSO security and Tivoli Access Manager(TAM).
* Troubleshooting Admin Server start-up issues, Memory leaks and class path issues.
* Involved in assisting QA team in Load and Integration testing of J2EE applications on WebSphere Application Server.
* Used tools for WAS profiling and tuning which included Tivoli performance viewer, Wily Introscope, Heap Analyzer, Thread Analyzer, Log Analyzer, Resource Analyzer(AST), ITCAM.
* Created and federated profiles to the Deployment Manager using both Profile Management tool and also automated the process using manage profiles and addnode command.
* Performed heap dumps and thread dumps and analyzed using heap and thread analyzers to find out the bottleneck of the application server hung and out of memory exceptions.

**Environment:** WebSphere Application Server ND V6.0x/7.x, IHS 6.x/7.x,IBM, Tomcat V6.x, CA Siteminder,Tivoli Access Manager(TAM), DB2, UNIX (Solaris, AIX, Linux),Wily Introscope 6.x

**Client: SWA (southwest Airlines), Dallas, Texas Dec 2009 – May 2012**

**Role: Jr Network Admininstrator**

* Assist Helpdesk when needed to install, maintain, and oversee software/hardware and operation of servers, workstations, and laptops.
* Setup and maintain Windows Active Directory user and Exchange email accounts.
* Maintain/manage local area network (LAN) security.
* Installed and administered virtual servers using VMWare &HyperV 2012.
* Implemented layer 2 and 3 protocols like FTP, SFTP, OSPF, EIGRP, BGP.
* Managed the day-to-day operations of network infrastructure, unified communications and telecommunications infrastructure.
* Managed physical and logical voice and data network planning and design.
* Managed multi-platforms and hardware on a complex network that is in use over different facilities.
* VMWare: VMware Infrastructure, VMWare ESX, VMotion, VMware workstation, VMware ESX   
  Remote Control Software: PCAnywhere, VNC, UltraVNC and Linux Operating Systems like Suse , Ubuntu and Red Hat.

**Environment:**  Red Hat Linux, VMWare,  Cisco Routers, Cisco Switches, Cisco & HP Core Switching.