

SENIOR ARCHITECT

Summary

- Overall 16 Years experience in design and deploy Infrastructure projects in business critical data center environment.
- Architect level experience in planning and deployment of Emc /Hitachi /Hp/3Par/Netapp tiered storage solutions.
- Proficient in deploying SAN / NAS solutions in large enterprise storage environment.
- Extensive experience in Unix-based operating systems such as HP-UX/Sun Solaris/AIX/Linux.
- Expertise in running and managing the server and storage data migrations in production critical OLTP environments.
- Extensive knowledge of Business Continuity (BC) / Disaster Recovery (DR) planning for business critical applications.
- Architect level expertise in designing and implementing the Enterprise backup solutions.
- Expertise in deploying large database in SAN/NAS environment.

Skills:

• Operating Systems:

HP-UX 11i/11.x/10.x/9.X, Sun OS/Solaris 2.5.1, 2.6,7,8,9, Aix 4.3/5.1/5.2/5.3, Seo, AT&T UNIX and Linux. Windows NT/2000, Novell Netware 3.11,4.0, Netapp's Ontap 5.x, 6.x, 7.x and EMC Dart.

• Hp/Sun/Intel:

HP 9000/800 Superdome / RP8400/7410/P5470, V-2250/2500, N, L, K, D, T, G Class, Sun Fire 6800/4800/V1280/V880/480/280, Sun Enterprise E5K/E4K/E3K, E450/250, Ultra-2/60/10/5. IBM P-Series p670/p650 PCI, IBM System p5 p595/p570, DELL 6650/6600 and Compaq PL 8000/8500/6500

• Storage and EMC²:

EMC Symmetrix 3x00/8x00, DMX1000/2000/3000, DMX-3/4, Clariion CX-300/400/500/600/700, CX-3/4 series, AX4, FC4500/FC4700, Celerra, NS600/960, CDL DL300/700. HP XP 128/256/512/1024/12000. EVA-8000/8100, HDS 9900/USP600, Auto Raids, Sun A1000/D1000/A5000 and T3's. NETAPP 960/840/700c/R200, FAS 3000/6000 series Filers, Quantum/ATL, StorageTek, SpectraLogic, ADIC and HP tape libraries .EMC Control Center, Time Finder, SRDF, SRDF/AR, PowerPath, Navisphere, Sencopy, Snapview, Mirroview, workload Analyzer, Optimizer, SDDR, Storage Scope ESN Manager, Volume Logix, Access Logix, Fiber Zone, Solutions enabler, SYMCLI/API, Command View XP and Hi Command.

• Tools and utilities:

SAM, LVM, M/C Service Guard, Glance Plus, Measureware, Perfview, Ignite-UX, Omniback-II, Sun jumpstart, Solstice Disk Suite, Admin Suite, Auto Client, Sysmon, Veritas Netbackup, Veritas Foundation suite, VxVM, VMMSA, Veritas File System (VxFS), Veritas Cluster Server (VCS), Legato Networker, Sudo, Exceed, Rational ClearCase Suite, Checkpoint firewall, Perl and Samba.

• Network and SAN:

Apache, NFS, DNS, NIS, NIS+, DHCP, TCP/IP, SendMail, PPP and SSH. EMC Connectrix directors, ED-48000/24000/12000/64M2/6140M2/CISCO-MDS 9509/9216. EMC switches including DS-16B2 / 32B2 / 24M2 / 32M2, Brocade DCX/48000/24000/12000 directors, Silk worm 2400/2800/3200/3800/3900/4100 series SAN switches & Routers. HP,SUN, QLogic, Emulex and JNI FC HBA'S. Cabletron and Cisco Gigabit Switches and Routers

• Databases & Applications:

Oracle 7.x/8i/9/10g RAC, Informix 7.x/IDS2000, and SQL Server 2000. SAP, Baan, PeopleSoft, WebLogic, EDI, Cognogs, Loftware, SAP console and MySAP.com

Professional experience:

NYSE Euronext , NY

Role: Sr. Storage Architect.

Dec2006 – Till date

NYSE retained me as fulltime onsite storage consultant since June-2006 to till date. I have been handling highly visible and technically challenging 2+ PetaByte storage projects at NYSE

- During the NYSE / AMEX merger 2008-2009, I have been assigned to review the systems and applications that are in the scope for data migration and initial discovery of Amex Storage environment. Developed a detailed data migration plan and put together the SAN design for this project. Storage configuration, setting up the replication and automated the end-to-end storage migration procedures. A total of ~300TB storage migration completed successfully.
- Part of NYSE Post-trade Mainframe to Open Systems conversion (Formally Cobol to Linux) project, I have been asked to handle the SAN design / Storage configuration and deployment. This is a clearing application, designed to meet the customer SLA / deliverables after the trading day. This project gave me an opportunity to learn the Mainframe DASD storage concepts, like SMS, Data catalogs and replications etc. Put together the design and storage configuration to match the Mainframe DASD layout. Deployed EMC's InfoMover application to move / share the datasets between the mainframe and open systems. EMC SRDF and DR site setup for the same application.

- Independently designed/configured/Managing Multi Terabyte (~350Tb) Corporate Information Factory (CIF) Data warehouse system in ORACEL Grid environment. Deployed Flat File Form storage for high-speed data warehouse appliances namely Netezza and GreenPlum.
- Proof of Concepts and bench-marking various storage vendors like 3PAR, Compellent, Netapp , Falconstore, HP, Texas Memory with FC, InfiniBand and Solid State Disk (SSD).
- Guide and Implement the data center storage san best practices.
- Storage array migrations using various san copy tools (SRDF, Sancopy and Ipstor etc)
- Provide Disaster recovery procedure development and automation.
- Virtual tape library implementation (VTL) with STK/Falconstor..
- Developed storage operations Run Book and automated weekly capacity storage reports.
- Participated in new datacenter san design and storage migration.
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EMC² PSO, NY

Jan2004 – Dec2006

Clients: ADELPHIA, INSTINET, AIG Technologies, Merck, Schering-Plough and NYSE.

Role: Solutions Architect - Infrastructure and Storage Solutions

- Design and Implement EMC Hardware and Software solutions for EMC end clients.
- Install and Configure HP/IBM/SUN Server Hardware infrastructure.
- Architect and Deploy Highly available Server Cluster solutions for Business critical applications.
- Responsible for developing data migration strategies in EMC SYMM/DMX/ Clariion environment.
- Plan, Install, configure and deployment of multi Terabyte DMX, CLARiion CX series, and NS 600.
- Design, Architect and Deployment of SAN with Brocade / McDATA /CISCO MDS directors..
- Storage Consolidation and Migrations with Multiple EMC Frames in Production Critical environment.
- Design and Implementation of Storage Resource Management products such as EMC ECC and APPIQ.
- Automate the storage management and administration procedures.
- SAN and Storage trouble shooting procedure development and document the best practices.
- SAN/Storage Performance management and Capacity planning.
- Server/Storage products evaluations with various applications such as SAP, MS-Exchange, Oracle etc .

American Standard Companies, New Jersey.

Nov 2000 – Jan 2004

IT Architect - Infrastructure and Storage

American Standard is a global manufacturer of Air conditioners, Plumbing and vehicle control system products. Plumbing is now called Bath and kitchen (B&K), Vehicle control systems sold under the WABCO name. Most of the B&K and WABCO business runs SAP and Mysap.com products. The ERP solution Build on HP/SUN/IBM/DELL/COMPAQ/EMC environment to support Americas, Asia and Europe.

Role:

- Architect and build production critical datacenter over 200+ systems to support 24x7 operations for North America, Asia and Europe.
- Initial setup, Hardware deployment, OS and Application Installation, configuration and Administration.
- Designed and implemented two-node HP M/C Service Guard clusters. Created Packages in Highly Available Cluster for SAP.
- Designed and implemented two-node cluster using Veritas Cluster Server (VCS) over Sun fire 4800 for Data warehouse Application.
- Deployment of multiple EMC frames including DMX2000, CLARiion CX400/CX600 for Americas, China, Thailand and Europe
- Designed and Implement Fiber channel SAN to support heterogeneous and cluster environment. Installed and configured EMC ED12000B switches to support the extend data center over 3 Km.
- Volume and File systems management with HP LVM, Veritas VxVM, Online JFS and Veritas VxFS.
- Implemented SRDF to support DR plan and developed scripts to automate the SRDF operations.
- Implemented multiple Business Continues Volumes (BCV) with EMC Time Finder for Test & Quality, Split Mirror Backups.
- Implemented EMC PowerPath in Unix and Windows for redundancy and I/O load balancing.
- NAS implementation, configuration and administration with NETAPP Filer 820C and EMC Celerra.
- Oracle and SAP Deployment over the NETAPP Filer. UNIX and NT integrated using NETAPP..
- Planned and implemented a Backup strategy with Omni Back 3.5, 4.1 for SAP, ORACLE and People Soft environment.
- Consolidated and centralized the backups to SpectraLogic Gator 64000 with multiple partitions to for isolated backup environment.
- Handled and supervised Data Center Migration, Relocation and Move Projects, Various Server and Storage consolidation projects.
- Oracle and SAP installations, Oracle and SAP Basis administration. Implemented and Practiced “HP/EMC/SAP” Best Practices. Supporting the PeopleSoft Database systems and WebLogic Products.
- Systems, Storage, Network, SAN and NAS performance monitoring and tuning Network and Systems Administration on HP/SUN servers. Hardware upgrades on HP/SUN servers. HP-UX and Solaris upgrades and Patch management.
- NIS/DNS/NFS/CIFS/FTP/HTPP and SendMail administration.

Hewlett Packard (OSD), Brussels, Belgium

Apr 00 –Nov 00

Sr. System engineer, Unix Support

HP OSD Brussels is a world class Data center for providing Solutions on Sap/Baan/Internet. This Data Center provides Solutions on Multi Vendor Platforms like (HP, SUN, IBM, and DIGITAL).

Role:

- I was solely responsible for design, implementation and maintenance of HP and UNIX systems.
- As systems engineer, designed and implemented a Multi Node Cluster with V2250 and 2500 using EMC 8730 about 8 TB disk Space.
- Configured and Implemented EMC SRDF over the cluster for disaster recovery
- Responsible for Installation and configurations of HP Servers with EMC Disk Raid's and HP-UX 11.xx
- Installed and Configured OmniBack II 3.5 Version on the above Hosts. Integrated OmniBack with ORACLE-7/8, Informix and EMC.
- Performance monitoring and tuning with Glance plus and Measure Ware.
- Implementation of Ignite-UX based system recovery procedures.

Motorola India Electronics Ltd., Hyderabad, India

Jan 99 - Apr 00

Sr. Systems and Networking administrator

Role:

- Responsible for Installation, configuration and administration Sun Enterprise servers E3K, E450, E250, Ultra 2, Ultra 60 with Solaris 2.6 and 7
- Installed, configured and administered DNS/NIS+ environment
- Installed and configured NFS/Auto Mounter for Distributed applications.
- Responsible for Backup and Recovery administration with Legato Networker.
- Independently Designed and Implemented Security Policy with Checkpoint firewall.
- Installation, configuration and administration of SendMail and Microsoft Exchange server.
- Installation, configured and administration APACHE web servers and Web Based applications
- Directly responsible for Implementing Rational ClearCase3.2, MultiSite and Clear DDTs.
- As a Member of Disaster Recovery (DRP) Team, Planned and Implemented the Disaster Recovery for Motorola Hyderabad, software Center.

HCL Info Systems Limited

Dec 94 – Dec 98

System engineer, Unix Support

- Installed, configured and administrated HP ORACLE Parallel server (OPS) Cluster.
- Installed and configured HP X.25 /ACC with FTAM/9000 and OTS/9000 for Cell network interfacing.
- Cold install of HP-UX 11.00 on K570 Servers along with associated tasks like user creation, Kernel tuning, LVM deployment.
- Day to day system administration activities, Disk space management using Online JFS and Raw Disk maintenance for Oracle OPS
- Carried out various activities managing our DNS domain, NIS structures, NFS Auto mounts for various servers.
- Developed shell scripts for Regular Backups, System Error Handling and monitoring.
- As a part of presale support, installed HP K220 with ORACLE 7.3. Installed and Configured HP-D310 with SQL server 10.
- Installed and configured HP Servers as highly available servers on switch over UNIX and M/C service guard to run ORACLE.
- Administration and Trouble shooting of Workstations from Apollo having Apollo token ring and Ethernet. Installed and configured Series 400 workstations from HP and nexus workstations over Ethernet.
- Installed and Configured NFS on AT&T UNIX, SCO-UNIX on Pentium based Systems over TCP/IP on Ethernet, and NFS on HP-UX.

ACS Technologies Hyderabad, India

June 93 – Nov 94

Asst. Engineer, System Support.

- Installation, Configuration and maintenance of IBM compatible PC Range servers.
- Installation, Configurations and Administrations with Sco-Unix, Sco-XENIX, AT&T Unix
- Installation, Configurations and Administrations with Novel NetWare 2.x and 3.x
- Handling Customer Training's and User awareness programs.
- Network Planning and Implementation with Ethernet, ARC-NET, and Token-Rings.
- Troubleshooting and Diagnose the Problems Dealing PC Related Hardware.

Education:

Graduate member, British Computer Society (BCS-UK)

Bachelors in Computer Science and Engineering (Hyderabad India)

Training:

- HP 9000 Servers and Work Stations
- HP-UX 10.x/11.x System administration and Networking. HP-UX M/C Service Guard
- Solaris System Administration and Networking/ Name Service Implementation with DNS/NIS/NIS+
- Veritas Foundation suite and Veritas Cluster Server.
- Windows NT, Novel NetWare and Cisco ICRC / checkpoint Firewall-1 administration.