PUSHKAR RAJ CHIMOURIYA

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**1)Education:**

**Bachelor of science in Information Technology**

**Certifications:**

**2) EMC Proven Professional (EMCPA)**

**3)Training:**

* EMC Clarions Management and Host Integration.
* EMC Control Center training.
* EMC SAN Design Foundations.

**SUMMARY:**

* Experience in **Administration**, **Troubleshooting** and Configuration of **EMC** in SAN like **VMAX 10k, 20K& 40K, DMX-4, DMX3 ,VNX 5500,5300,Clariion CX 4-80,CX3-80, Creating Vpaths, Volume groups**, Logical Volumes and File Systems on AIX servers
* Migration of backup clients from Avamar 6.0 to 7.0 version
* Dealt with **NetApp** Management software’s like on command system manager, **DFM**, Operations.
* Worked on tuning backup policies using Net backup/Avamar
* Maintained **EMC** Control Center (**ECC**), **SYMCLI**, **Unisphere** Manager, **Navisphere** Manager, Data Center Fabric Manager, **Connectrix** Manager, **Fabric** Manager and **Device** Manager.
* Installed and configured **Mirror View**, **Snap View**, **BCV’s** using Time Finder and **SRDF** at Symmetrix level.
* Experience in **IBM DS** Storage 4400,8000, 3500 and XIV, San Volume Controller etc.
* Good knowledge about **LVM , VIO server, HMC**
* Hands on experience in **Storage** and **fabric** consolidation – **Data** migrations and **switch** migrations.
* Decommissioned of HP EVA server
* Experience with **LPARs, Dynamic LPARs and VIOs**
* Installation, Administration and configuration of **LPAR’s with AIX 5L on p5 servers**
* Experience with **IBM DB2** and **Oracle databases**.
* Experience and through understanding on Migration tools, **open Replicator**, **SAN Copy**, **Open Migrator, Powerpath Migration Enabler**.
* Worked on MultiPathing software, **EMC** Power path and VERITAS**DMP**
* Designed, implemented **DR** solutions using **SRDF**, **Mirror View** and **Recover Point**.
* Proficient with zoning and administration of **Cisco**, **Brocade** and **McData SAN Switches**.
* Knowledge on Microsoft 2008, 2003, **Hyper-V**, **SUN Solaris**, **IBM AIX 5.3**, **HP-UX**, **Linux &VMware** platforms as it relates to disk allocation, managing **LUN's**, Host Side and **HBA** configuration.
* Strong technical knowledge and understanding of client's operating environment.
* Good Team player, Effective personal communication skills, learning agility and ability to handle critical situations are plus.

**Technical Skills:**

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| **Storage Enterprise Arrays** | **EMC Clarion CX, Symmetrix DMX series, EMC Vmax, EMC VNX, Data Domain 2500,** |
| **Storage softwares** | **EMC Control Centre (ECC), EMC Navisphere Manager,**  **Unisphere, Solutions Enabler, Replication Manager, Mirror View, Snap View/Clone, SANCopy, Time Finder, SRDF, Power Path, RecoverPoint, NaviCLI, SnapMirror, Flexclone, NetApp Snapshots, Snapdrive, snap manager for exchange/SQL, Brocade fabric manager, Connectrix manager, ECC.** |
| **Operating systems** | **windows2003/2008**, **UNIX**, **SUN Solaris v8, 9, 10, IBM AIX v5.3, v4.3** |

**Professional experience:**

**Client: HCL-Novartis, Florham Park, NJ**

**Role Sr.Storage Administrator Jul 2014- Till date**

**Responsibilities:**

* Implementation, administration and maintenance of High end storage arrays like EMC CLARiiON CX600, 700, CX3-40, 3-80, Symmetrix DMX 2000, DMX-3 DMX-4, VMAX, and Celera NS704 in SAN and NAS environments.
* Perform Change Management And Incident Management For Enterprise Storage Systems.
* Coordinate Communicate, Execute Maintenance activities, upgrades and patching for management /monitoring tools.
* Taking config backup of IBM Storages and SAN Switches
* Performed implementation of SAN/NAS with VMAX/DMX/Clarion/Celerra/VNX and NetApp Subsystems, created Raid Groups and Storage groups, assigned LUNs to Hosts using Navisphere manager 6.x, ECC, NaviCLI and SYMCLI.
* Formulated functional specifications and prepared technical project designs.
* Supported backup system development for computing infrastructure
* Provide Support for new systems and projects(working with vendors, other platform support teams) and implement improvement opportunities.
* Provide 24\*7 IT Storage operations support in a team on a rotation and on-call basis.
* Assist in developing and maintaining the enterprise Infrastructure Architecture Framework.
* Created and configured RAID groups, storage groups, binding LUN’s, Naming, Resizing, and Unbinding LUN’s through Navisphere manager and NaviCLI.
* Provided support to SAN storage and backup operations.
* Created MetaLUN’s by expanding base LUN’s using striping and concatenation.
* Performed various methods of data migration on CLARiiON using Mirror View/A & SAN copy.
* Installed, configured, tested SAN copy procedure to migrate data from CLARiiON.
* Planning and implementing SRDF in SRDF/A & SRDF/S environments for Disaster Recovery solution.
* Managed Core-Edge Cisco MDS (9513) fabric using Fabric Manager. The responsibilities involved, managing port allocations, zoning, unzoning, replacing failed hardware like SFPs and cables, troubleshooting link issues and monitoring health of the fabric.
* Configured the BCV and clone mirror copies of the production data using the Time Finder Business continuity solution for backup and for the testing team to use the production data.
* Configured EMC Control Center for end to end Administration and management of SAN environment.
* Attending weekly EMC meeting on the new implementation plan and keeping up the SAN environment to the latest firmware upgrades and patches
* Discovered CLARiiON environments into ECC for Management and Alerting and tested provisioning from ECC for Tier 3 Platforms.
* Configured VisualSRM to reduce the utilization, availability and Automation problems in a SAN environment.
* Reduced overall network bandwidth usage by 1/3rd by migrating to reduplicating backup devices in Networker
* Upgraded Brocade switch firmware from 5.3.0 to 6.1.0.
* Lead Project Team member in migrating hosts from Legacy Fabric to Brocade Fabric.

**Environment: Storage System EMC VMAX, NETAPP, VBLOCK, Brocade Switches, Multipathing Software, NET Backup, IBM Storage-XIV, SVC, Symmetrix DMX 2000, DMX-3, CLARiiON CX 600, 700, CX3-40, CX3-80, 8000,Hitachi, Brocade Silkworm 200E, 5000, 48000, 49000, McData 3232, Cisco 9000, Navisphere Manager, EMC Control Center, ,Solution Enabler, Performance Manager, Symmetrix Remote Data Facility (SRDF), Time Finder, Snap View, Mirror View,**

**Client: Constellation Brands, Dallas, TX   
Role: EMC Storage Admin Feb2013 - Jun2014**

**Responsibilities:**

* Allocated storage from a VMAX and DMX array using Unisphere, and solutions enabler.
* Configured and Carved storage from VNX 5500 ARRAY.
* Monitored backup and recovery operations and analyzed existing strategies
* Migrated data from a DMX to VMAX array using tools such as Robo copy and SRDF.
* Created aggregates/volumes/Qtrees in the NetApp environment and provisioned storage to different teams on their requirements.
* Evaluated new backup technologies and validated reports and SLA.
* Configuring and allocating XtremIO storage for VDI environments through VMware Environments
* Installed and configured backup schemes and scheduled plans.
* Conducted backup of virtual machines, Windows servers and workstations
* Developed and managed centralized vaults and resolved backup recovery issues.
* Trouble shooting performance issues with VMAX , VNX and XtremIO in the SAN environment.
* Expertise in implementing Disaster Recovery (DR) strategies utilizing NetApp hardware combined with Snap Mirror, Snap Restore, Thin provisioning and Snap Drive technologies.
* Migrated data from CLARiiON to DMX and DMX to VMAX using PPME or Power Path migration enabler
* Created masking views, storage groups, initiator groups and ports group in a VMAX environment to allocate storage to different OS platforms
* Prepared and modified Net backup scripts and supported automation processes
* Monitored multiple servers and updated server based applications.
* Backup-EMC Avamar 6.0/7.0 Symantec Net backup 7.5/7.6.
* Good experience in Avamar using file level and image based backups Restore.
* Capacity Planning Data Domain Configuration with Avamar
* Worked with the EMC customer support to get the ESRS gateway configured in the environment
* Created pools, filesystems and shared NFS and CIFS shares in a Unified environment.
* Added luns to the pools as required by the customer
* Worked on tuning backup policies using Net backup/Avamar
* Created interconnects, network interfaces in a NAS environment
* Configured the Celerra replicator session at a VDM level for DR purposes
* Provided capacity planning, storage expansion, storage creation and presentation as well as all zoning activities on the Brocade and Cisco Fiber Channel switches.
* Monitored and trouble shot many SAN/NAS related issues, escalate to vendors if needed.
* Performed Host Analysis, document recommendations for any required Upgrades on Host’s for smooth migration.

**Environment: EMC VMAX, DMX4, DMX 3 ,VNX5500,CLARiiON cx3-80, cx4-480, Celerra NS-480, SRDF, PPme, Robocopy, VERITAS net backup, brocade 48000/3900 fabric switches, brocade fabric manager, Windows 2003/Windows 2008, SUN Solaris 9/10 and Rhel 4/5.**

**Client: Amgen Inc, Thousand Oaks, CA**

**Role: Sr. NAS/SAN Administrator Oct 2012 – Jan 2013**

**Responsibilities:**

* As a storage admin implemented SAN& NAS Solutions projects from all technical aspect by coordinating with internal client groups.
* Provided backup support for 4000 UNIX servers including Solaris, AIX, and Linux , Windows servers and Virtual machines.
* Creating Policies, Groups and Schedules using Net backup/Avamar
* Demonstrated and managed NetApp (FAS2000 and FAS3000 series, V series), NetApp Clusters, EMC DMX, Celerra NS 480, and NS 960.
* Create and maintain technical documentation and operating procedures
* Monitored and managed storage allocation using NetApp On Command system manager and data fabric manager.
* Client proxy upgrades in Avamar Grids.
* Deployed and executed Disaster Recovery plan and remote replication using. Snap Mirror, Snap Vault and Snap Restore technologies
* Executed NetApp Snap Manager with Oracle Database technologies.
* Assigned storage to Celerra fileserver and created filesystems and Configured CIFS and NFS.
* Implemented CIFS Multi protocol and other Celerra features HOMEDIR and Snap sure.
* Created aggregates/volumes/Qtrees in the NetApp environment and provisioned storage to different teamson their requirements.
* Designed and implemented Celerra High availability solutions IP Replication and Celerra SRDF to EMC Clients.
* Migrated data from Windows servers to Celerra using EMCopy, Robocopy, Quest Consolidator to clients and verification using 3rd party tool beyond compare and EMC tools fsscan and fsdisk.
* Performed Migration data from Windows to EMC Celerra and Celerra to Celerra using Celerra replicator and Robo copy.
* Implemented LUN Masking using Solution Enabler and ECC on Symmetrix/DMX arrays.
* Co-ordinate the flare code upgrades on all CX3 and CX4 series.

**Environment**: **Mirror View, SAN Copy, EMC Recover Point, Snap View/Snap View Clone, Replication Manager, SRDF, Time Finder, CelerraSnap sure, Celerra IP, Windows 2000/Windows 2003, SUN Solaris 8/9, IBM, AIX, HP-UX, Linux, .**

**Client: Guaranty Bank & TI, Austin, TX.**

**Role: SAN Administrator Jul 2011-Sep2012**

**Responsibilities:**

* Installation, implementation and migration of CLARiiON CX3-80, CX4-960, CX3-40, CX3-20F, CX3-10C and Symmetrix DMX4 into a Storage Area Network.
* We supported Petabytes of EMC storage. Performed lun management, Metaluns, raid groups, storage groups, hypers, and Meta’s.
* Allocated storage from CLARiiON cx3-40, cx3-80, cx4-480, cx4-960 and DMX4, VMAX using Navisphere Manager, ECC, Symcli and SMC
* Performed zoning on the Brocade switches.
* Provisioned storage from Celerra NAS using Celera manager.
* Created virtual data movers and configured CAVA on the Celerra
* Involved in creation of filesystems and allocating shares from Celerra
* ManagedNaviCLI and Navisphere Agent on all the hosts in CLARiiON environment.
* Installed master agents and discovered the servers into ECC
* Installed and configured Emulex, Qlogic HBA’s for SAN connectivity on Solaris and windows servers
* Created SRDF sessions to migrate the data from DMX to VMAX
* Involved in documenting the procedure for creation and managing SRDF in the environment
* Created Snap sessions for rollback during any possible data corruptions.
* Performed SAN Copy incremental to migrate data between CLARiiON storage systems.
* Configured standard disk groups for BCV operations using Time Finder.
* Performed firmware upgrade and zoning on Brocade Fiber Channel switches.

**Environment**: **EMC CLARiiON cx3-40, cx3-80, cx4-480, cx4-960, DMX 4, DMX3, VMAX, Celera NS480, Navisphere Manager, NaviCLI, ECC, Symcli, Connectrix Manager, Celera Manager, SnapView, MirrorView, SANCopy, TimeFinder, SRDF, Emulex, Qlogic, Windows 2000/2003, Linux, Solaris 8/9.**

**Client: Amdocs, Champaign, IL**

**Role: Storage Administrator Apr 2010 - Jul 2011**

**Responsibilities:**

* Creating RAID groups, binding LUNs, creating Meta LUNs, creating Storage Groups, registering Hosts.
* Installed, configured and administrated Brocade switches. Implement Core-Edge design for Brocade 48000 & 4100.
* Implemented Boot from SAN for Windows Servers.
* Provisioned storage for Windows 2003 & Solaris using CLARiiON ( NaviCLI & Navisphere Manager).
* Allocated Storage from EMC Symmetrix using Symcli
* Zoned administration to assign new storage after migration.
* Dealt with symconfigure to perform configuration changes on the DMX/Symmetrix arrays.
* Created/dissolved Meta Volumes, Change device configuration, map/unmap devices to FA ports as and when required.
* Installed and configured PowerPath in UNIX and Windows environment.
* Assigned storage from DMX/Symmetrix & CLARiiON arrays to UNIX & Windows systems using Symcli and/or ECC 5.x.
* Installed NaviSphere Agent and NaviCLI on all the hosts in CLARiiON environment.
* Assigned storage from CX700/CX380 using NaviSphere Manager.
* Performed Host Analysis, document recommendations for any required Upgrades on Host’s for smooth migration.
* Zoned administration to do migration and assign new storage after migration.
* Created SAN Copy Sessions using Navisphere Manager or scripts to perform migration-using SAN Copy.

**Environment: EMC Symmetric DMX-3000, DMX3-1500, CLARiiON (CX700, CX-380), Brocade B48000i, Cisco MDS 9000 Series (9509/9216/9216i), SUN Solaris, UNIX, Red hat Enterprise Linux3.x,**

**PGI Insurance – Macomb, IL**

**Role: System Administrator**  **Feb2008 – March 2010**

**Responsibilities:**

* Responsible for the support of SP complex with over 30 servers (p690/670/650, S80) running on AIX 5.1/5.2.
* Primarily responsible for monitoring systems’ performance and troubleshoot system/ network bottlenecks.
* Performed a routine check on nodes’ syslog and error logs for system and hardware errors.
* Perform periodic file system GPFS tuning and monitored jobs to enhance system/complex performance.
* Creating Vpaths, Volume groups, Logical Volumes and File Systems on AIX servers
* Configured HMC service agent for automated service call and LPAR monitoring.
* Installed and Configured DS4300, DS8000, DS4700 and NetApp v3140 in TCS
* Two IBM DS8000 configured in Development site in TCS
* Provided hardware support to the application development team. Replaced failed components like Ethernet/ fiber channel adapters, power supplies, and disks etc to avoid down time.
* Ran scripts for LVM configuration change like LV and Filesystem extensions.
* firmware upgrades activities for DS4K and DS5K Series Storages and Brocade & Cisco SAN Switches in IBM
* Implemented VIO on P5 595 server on production and test environments, and performed load test to ensure optimum system performance during heavy loads on VIO supplied resources.
* Adding network printers and conducting day-to-day system administration, including backup/recovery in NAS environments.
* Installation, Administration and configuration of LPAR’s with AIX 5L on p5 servers
* Experience of creating and installing standard LPAR and VIO client LPAR using HMC
* Installation, configuration and administration of IBM Web Sphere Application Server V4.0, on AIX along with DB2 UDB & IBM HTTP server with SSL for secure communication & providing technical support to users
* Managing the user account creation, locking, deletion of old accounts
* Review Disaster Recovery Documentation for Mission Critical and Business Vital Servers
* Performance Management & Tuning of AIX UNIX Kernel