**Dennis Riddick**

**718.414.5664**

[**driddick24@gmail.com**](mailto:driddick24@gmail.com)

[**dennis.riddick@emc.com**](mailto:dennis.riddick@emc.com)

**Allentown, PA 18104**

## Summary

* Over 15 years of Storage and Network/System Administration on HP-UX, Sun Solaris, AIX Platforms, RedHat Enterprise Linux AS v4-5, SUSE Enterprise 8, 10 in highly visible Financial environments.
* Netapp 7.x to Netapp Cdot Migrations utilizing 7MTT tool as well as Storage Vmotion and Snapmirror, rsync, Robocopy.
* EMC Storage Products: EMC Powerpath v 2.x, v4.2, 4.5, EMC SRDF/A SRDF/S, EMC Solutions Enabler 6.x, EMC Time finder, EMC ControlCenter 4.x, 5.1.1, 5.2 SP5, 6.0 (Vmware Support) EMC ESN Manager SYMCLI 5.0, 6.x, 7 Recoverpoint 3.4
* Implement Isilon Redundant Cluster featuring Smartpools, SyncIQ, SmartConnect configuration for connectivity for NAS(NFS/CIFS Shares) to replace IBM SONAS NAS arrays.
* Plan, lead and architect IBM SONAS to Isilon migration project.
* Migrated HP ESX Vsphere 5 Clusters via Storage Vmotion from Netapp/Celerra to VMAX/VNX Array’s.
* Migrated HP/3PAR T400 EVA/Celerra and Clariion CX3-80 to VNX5300 via SANCopy – Created Map of VDISK to VNX Target LUNS
* in EMC Symmetrix SRDF operations between Somerset, NJ and Newark, DE failover site.
* Handled EMC Symmetrix Advanced Operations Meta-Device Configuration, Enable Dynamic RDF Operations, Map-Unmap Symmetrix Devices to FA ports, Add Remove Hot Spare Devices, Configuration of Multiple BCV’s, Configuration of Raid-5 7-1
* Installation and administration of centralized NFS/CIFS-based Storage Area Networks such - NetApps Filer, EMC Clariion/Symmetrix/Connectrix (SRDF/Powerpath BVC configuration) Navisphere 5.x CLI and Sun StorEdge N2800/T3 FC-AL

**Training and Certifications**

* EMC Open Migrator/LM for Unix 3 - Open Systems Business Continuity SRDF/STAR
* **NAS-Isilon Admin and MGMT(7/28/14) - Connectrix MDS Series Architecural and MGMT.**
* **Sun Solaris E10K Certified - EMC EmailXtender Foundations**
* **RS/6000 AIX Administration - Sun Solaris Performance Management**
* **Managing EMC Technology Projects - EMC Networker Foundations**
* **Clariion CX-Series Foundation - Mirrorview/SAN Copy Foundations**

**Completed Isilon Admin Training 103113 EMC Educational Services July 2014**

**Completed Hitachi HUS-VM Architecture – CCI2288 4/29/2015**

**Completed Hitachi HNAS Platform Architecture – THE1977 5/14/15**

**Completed Implementing Cisco Data Center Unified Computing (DCUCI) 5.0 8/2/2015**

**Cognizant Technology New York, NY**

**Senior Cloud Engineer March 2015-Present.**

* **Senior Engineer for Storage Cloud Convergence Project**
* **Netapp 3020,2170,3240 to Netapp FAS 6280 and 8060 for support of Virtualizing efforts including VCloud Director, VSI VDI and DR Efforts.**
* **Migrate to CDOT 8.3.1 via 7MTT and “**bootarg.init.boot\_clustered” Autoloader option for 7-Mode controllers
* **Migrations include but not limited to VMAX2-VMAX3, VMAX-3PAR and 3PAR to 3PAR Consolidation utilizing HP Remote Copy (RCIP) . Netapp to HNAS 4060 with HUS-VM backbone. \**
* **Responsible for change activities and liaison between Management and application and DB Teams to schedule UAT/PROD Server migrations and discuss any limitations or issues encountered.**
* **Configure NFS/CIFS shares, pools aggregates, CPG (3PAR), ISCSI/FCOE/FC Luns on Netapp, HP 3PAR and EMC VMAX Arrays. Configure vSphere ESX Server storage connectivity and redundancy for VLAN, VSANS via UCS Manager.**
* **Configure and Test MetroCluster with Netapp 8060. Configured CDOT and CIFS/NFS Shares and Snap vault for all volumes in scope for Replication.**
* **Configured the FB 7500N Bridges FC to SAS. Cabled FC-VI Ports to FC Switches as well as assigning disk to disk shelfs on each Controller**
* **KT (Knowledge Transfer) Runbook creating for CDOT transition, develop process for Qtree, Volume CIFS/NFS Share creation to automate with WFA and Custom scripts Perl/Python and DFM.**
* **Upgraded all filers to Data Ontap 8.3 and DFM 3.3.**
* **Lead Hitachi HNAS/HUS-VM Implementation Converged Infrastructure Project for 3 Locations (UK, VA, AZ)**

**EMC/VCE Dec 2014- March 2015**

**Senior vStorage Virtualization Architect (Consultant)**

Clients Include:

EMC/VCE

\* VBlock Resident to implement vBlock 720 and VMAX10k and VG8 with Avamar/DDBoost as well as

4 GEN5 RPA.

* Infrastructure supported includes Isilon 8 node cluster for CIFS/NFS, VMAX, Cisco MDS, Nexus 5548, Avamar/DD Solution as well as VPLEX for SAP HANA Migration/Consolidation.
* Configuration of Xtreme I/O 4.0 with Recoverpoint v4.1.2
* Upgrade from vSphere 5 to vSphere 6 utilizing Auto-Deploy as well as vMotion to new vCenter 6 Clusters.
* Deployed vROM/vROPS vRealize Operations Manager and vRealize Log Insight Manager to monitor over/under provisioned VM’s and resources within the VBLOCK environment.
* Migrated from VSS Switches to vDS switches , assigned port groups to appropriate vMkernel Ports and verified and documented all connectivity prior and after migration via Powercli and vROM.
* Support and Implement P2V Migration of IBM to CISCO UCS Blade Server Migration via Platespin migrate and Ghost Image of 200-300 VM’s.
* Configure source and target volumes, Snapshot groups, CG’s, for Xtreme/IO and Recoverpoint. Register Xtreme/IO Bricks with Recoverpoint.
* Managed HP XP 24k and EVA4400 to HP 3PAR migration for Microsoft Exchange environment.
* Applied best practices for HP 3PAR VVolume/CPG’s with vSphere 5.5 and Linux host connectivity.
* HP to 3par Migration with Online Import and Remote COPY (RCIP).
* Deployed 500-700 VM via powerCLI and Customization scripts for Redhat, Windows 2012, Solaris VM Servers in 1-18 HA Clusters and 8 FT Clusters.
* • Migrated 80TB of data for Microsoft Exchange from VMAX to HP 24k using HTSM
* Provision NFS/CIFS storage on VMAX/VG8 NAS Implementation. Provision Tier1 Block level storage for Vblock on VMAX SMC.
* Zoning and Provisioning on CISCO MDS 9170 and CISCO Nexus 5k as well as Cisco 3560AMP Switches. LACP and Uplink connectivity configuration on all Switches within VBlock 720 infrastructure.
* KT to customer Storage and Network team. Upkeep of Documentation for DWB for VPLEX, VBLOCK, Avamar and Recoverpoint .
* Configured FAST/VP for SAP Consolidation into VBLOCK 720 environment on VMAX 20K.
* Design Storage Solutions for Rich Media Clients based on Workflow and record and replay I/O intensive environments.
* Architected solutions such as Harmonic, StorNext 5, Lattus Final cut pro to Avid transitions, Apple XSAN, EMC Isilon, VNX, Netapp E/F Series Controllers w CDOT as well as Hitachi HUS VSP/VM, HNAS 4060 and Hitachi G1000 for high profile customers
* Lead information gathering sessions to determine I/O and Performance patterns to identify the best practices for large scale highly available NAS/SAN infrastructure.
* Architect Cloud Service for 3 Tenant solution with Hitach HUS-VM , Cisco MDS 9148S (16GB) , Cisco 5548. UCS . C220M4 Servers wth VMware vsphere 5.5 and NSX 6.1 and vCloud Director.

**NYU Langone Medical Oct 2012- Oct 2014**

**Senior System Engineer**

**Responsibilities**

* Implement Isilon Redundant Cluster featuring Smartpools, SyncIQ, SmartConnect configuration for connectivity for NAS(NFS/CIFS Shares) to replace IBM SONAS NAS ARRAYS.
* Configuration of all VASA/VAAI and POWERPATH/VE on Vsphere 5.0 Cluster
* Storage Technical lead Architect for Storage Refresh project involving NS-480/VNX/IBM SONAS/EMC VMAX, SANCopy, SVC Migrations
* Netapp Cluster Mode Migration utilizing 7MTT on Netapp 6 Series Filers.
* Primary storage liaison interaction between vendor interaction and application teams for storage evaluation and budgeting.
* Install Deploy Vsphere ESX/VM Guests with Redhat Linux, Windows 2008 on vsphere 5 and vsphere 4.1 upgrade. P2V, V2V Migration as well as implement migrations via Storage vMotion from IBM Storage to EMC Storage (VMAX,VNX) Architecture.
* Customized VM builds via Clone to Template and Convert to Template options.
* vSphere 4.1 Migration to vSphere 5.1 and 5.5 utilizing VUM as well as support for P2V, V2V
* Netapp NAS/CIFS Environment with Iscsi configuration on FAS 3,6k Series. Configuration and adhere to Best practices for AGGR/Volumes, SVM, iGroup and Export Policies when necessary.

**EMC/VCE New York, NY (Remote Office) Jun 2011- Oct 2012**

**Sr. Storage Architect Consultant**

**Responsibilities**

* Implemented VBLOCK for 10+ clients on the VCE Storage Implementation DNI Team.
* DMX-3/4 Migration to VMAX using OR (Open Replicator/VXVM/LVM/VMotion).
* Analyze and implement all aspects of project lifecycle for storage projects, customer interaction,
* Storage delivery cost, SOW design and RFP development.
* Responsible for migration from Cisco 9506 to Cisco 9513 Fabric switches.
* Installation and Configuration of VBLOCK 300 FX/GX and EX models on DNI team of VCE for several clients. Storage configuration w Unisphere, and UIM 3.0. Firmware upgrades on CISCO MDS 9148/9500 , Nexus 5548 Switch,
* Configured ESX Boot Luns for VSPHERE 5.0 on UCS 5108 Server blades, Configuration of Flash

**City of New York Agency, New York, NY**  **Jan 2009 – Jun 2011**

**Storage Engineer**

**Responsibilities**

* Storage engineer for CITY OF NY infrastructure including (EMC, Netapps, HP, Cisco, Brocade) and Backup (IBM 3584, Netbackup 6.5 -> 7.0.1 Migration) infrastructure for the NYCAPS Peoplesoft project.
* Configured Netbackup 7.1 Client and Media Servers on Sun Solaris, AIX, Windows 2008 and VMWARE (VStorge API ).
* Managed offsite and de-duplicated polices on all relevant backup requests including Oracle RMAN, Exchange and MS-SQL agents.
* Maintain and recommend DMX FA and bin layout for sizing and scalability for future growth specified by application groups.
* Developed test and acceptance plan to validate design on new DMX-4 array.
* Created zoning and masking script for all host being migrated to the DMX-4 array.

**EMC Corporation, Hopkinton, MA Aug 2007 – Jan 2009**

**Sr. Storage OPS Specialist/Residency Practice.**

* Specializing in Sun Solaris, AIX, HP-UX, Linux and VMware on EMC Storage based implementation projects.

**EMC Consultant via Norwin Technologies**

**EMC Feb 2004 - Aug 2007**

##### **Consultant**

**Client Project: HEALTHSOUTH Migration / EMC South**

**Client Project: BB&T Migration**

* Technical Migration specialist for migration from Symmetrix 8430, 2 8830's, 2 3430 to Symmetrix DMX 3000.
* Responsibilities included zoning configuration utilizing ECC 5.2 and Connectrix manager
* **Storage Resident on various Migration/Implementation projects.**
* **JP Morgan Chase July 2001 - Feb. 2004**

## Senior Technology Officer - SAN Storage Architect / Sr. System Administrator

**Responsibilities**

* Function as a Senior Storage Engineer/Manager with responsibility for developing secure storage solutions Using Veritas NetBackup 3.4.1, EMC Symmetrix 8300, 8730, Clariion CX700, CX600, VisualSRM, VisualSAN, SRDF/Powerpath/Timefinder BCV’s, SQL Backtrack, and Oracle RMAN.
* Extremely large role in EMC Symmetrix SRDF operations between Somerset, NJ and Newark, DE failover site.
* Allocation of disk devices for Database and Trading Floor environment.
* Configuration of Tivoli Network Manager Agents.
* Design & Development of Storage Area Networks (using shared storage option) in both the mainframe and open systems (UNIX & NT/2000), mainly Solaris Enterprise Platform E10k in Clustered environment, Windows 2k/2k3 (Wintel) Clients w/ Active Directory Server.
* Create JILS for CA Autosys to perform automated tasks such as automated backups within NetBackup as well as perform automated performance baselining within several OLTP databases.
* E6500 Administration/Kernel Tuning/ Performance tuning for Oracle Database Engines. Installation and configuration of Brocade 3800 Silkworm ISL for Persistent Binding of HBA LUN’s, (Qlogic, Jaycor) HBA, Fiber Installation.
* System Administration tasks such as scripting for automated backup/ restore services, Web Servers, Netscape/IPlanet Messaging and LDAP Servers.
* EMC Symmetrix Advanced Operations Meta-Device Configuration, Enable Dynamic RDF Operations, Map-Unmap Symmetrix Devices to FA ports, Add Remove Hot Spare Devices, Configuration of Multiple BCV’s, Configuration of Raid-5 7-1

#### IBM Global Services July 2000 - July 2001

##### **Consultant**

**Responsibilities**

* Provide 24x7 management support for the Microelectronics ICIS Application for Designers and testers. Support includes customer counseling, planning of computing facilities, security enforcement using tools such as PKI, COPS, F-Secure SSH, TCP-Wrappers, TITAN and more.
* Installation of Enterprise Class Sun Servers (E450 - E10000) including 5 E10k's (domain builds, disk fiber runs (Brocade, Veritas Netbackup Data Center w/ Shared Storage Option Enabled, JNI FCI, SAN plan, design and implementation) resolving issues with Fiber attached to EMC Symmetrix/Clariion utilizing Tivoli Storage Manager on all RS/6000 F50 Servers as wells configuration of disk arrays (Navisphere 5.x, Powerpath, SRDF) such as SUN A3500 - 5000 with L700 Tape Arrays.
* Configuration of Netscape Messaging 5.0p3 & Directory Server in Clustered environment, Implemented Citrix WinFrame Thin Client technology for public web access.

#### Sitesmith Inc. May 2000 - Oct. 2000

##### **Senior Manager of Technical Projects**

**Responsibilities**

* Work with team of engineers and managers to support customers and to maintain a 24X7 support center for Internet Infrastructure and Web Systems of major Internet companies in the New York and Silicon Valley areas.
* Installation and administration of centralized NFS/CIFS-based Storage Area Networks such - NetApps Filer, EMC Clariion/Symmetrix/Connectrix (SRDF/Powerpath BVC configuration) Navisphere 5.x CLI and Sun StorEdge N2800/T3 FC-AL
* Built the entire infrastructure for major e-commerce companies from the ground up, working with Global Center, Equinix, Above-Net, Level-3 and more. Implemented fully High Availability sites implementing Web Load Balancers and Clustered Firewall/Oracle, Sybase Database/Application Server solutions.

#### RR Donnelley & Sons Inc. March 1997 - May 2000

##### **IT Integration Engineer/ Sr. System Administrator**

**Responsibilities**

* Unix Administrator responsible for daily maintenance of Sun Storage Servers, Patching, scripts, backups with Netbackup and configuration of daily upgrades.
* Support Large Print on Demand environment with Sun Servers connected to IBM Infoprint Servers as well as Docutech Printers.
* Desktop support for Windows/Unix and Apple Appletalk Network.
* Responsible for Network configuration with Windows and Appletalk connectivity and performance issues.