

Edward Beard

TECHNICAL SKILLS

NetApp Software: CIFS, NFS, FC, iSCSI, Snapshot management, Snapmirror, FlexClone, FlexShare, Multistore (vFilers), Operations Manager, Protection Manager, Snap Restore, RAID-DP, SnapDrive, SnapManager for Oracle (SMO), SnapManager for Virtual Infrastructure (SMVI), SnapManager for Exchange (SME), CFO, Systems Manager, Fabric MetroCluster, Cluster Mode (C-Mode), OnCommand Insight, OnCommand Unified Manager, DSM, WFA (Workflow Automation), ONTAP Select/Deploy

NetApp Hardware: NetApp FAS2xxx, 3xxx, 6xxx, 8xxx Series. DS14MKx, DS42xx, DS22xx

Switch Hardware: Brocade & Cisco Fibre Channel Switches

Operating Systems: Clustered Data ONTAP 7.x,8.x,9.x, Windows Server 2008, 2012 and 2016, Solaris, Red Hat Enterprise Linux 6&7

Software: MS Office/Office 2010 Word, Excel, Power Point, Publisher, Visio, Outlook

Server Consolidation and Administration: VMware 3.5, Vsphere 5.x, 6.x

Cloud Architecture: Understanding of AWS (S3, Glacier), Azure

Networking: Subnets, Virtual Private Clouds, Gateways, IP Networking

Monitoring Software: Splunk, Nagios, DCIM (Sunbird), Solar Winds, AppDynamics

Hyperconverged Infrastructure: Simplivity (Dell/HP), VxRails, Nutanix

Scripting: Bash Shell, Batch, VB (Novice), Powershell

EXPERIENCE

Storage Subject Matter Expert/Monitoring, Michelin
Greenville, SC

September 2017 – Current

- Deployment of Simplivity HCI at Michelin Plants, nationwide. Included deployment of ONTAP Select for file shares.
- Be responsible for the design, support and maintenance of a large monitoring infrastructure
- Participate in 24x7 on call rotation
- Collaborate with Engineers, Operations and other teams to ensure application, network and system monitoring best practices

Professional Services Consultant, NetApp (via Strategic Business Systems)
Charlotte, NC

May 2015 – September 2017

- Consult customer on storage infrastructure and operational solutions tailored to meet the customers' needs
- Being a trusted advisor to the customer and account teams
- Project planning for tasks of moderate to high complexity
- Assumed a Technical lead for the onsite Engineers/Administrators throughout the engagement
- Implemented backup and restore, disaster recovery, storage consolidation, data protection, and storage performance, in accordance with the customer's ITSM process
- Customers included NOAA, Lockheed Martin, Johns Hopkins University, NASA, State Department, VA and Verizon, Marine Corps

Professional Services Engineer, NetApp (via TechUSA)
Washington, DC

December 2010 – May 2015

- Responsibilities include providing post-sales services and support for NetApp enterprise customers
- Understanding customer requirements, scope appropriate services, and deliver service projects
- Collaborating with the Professional Services team and to share best practices in order to assist NetApp customers through on-site support and consulting services.
- Interacting with the technical team within NetApp and at customer sites on assigned projects. At customer sites, working with system administrators and technical managers.
- Customers include Health & Human Services/Office of the Inspector General (HHS/OIG), Department of Transportation (DOT), (FAA), National Science Foundation (NSF), (NIAID), (NASA).

Sr. Storage Engineer, Accenture
Ashburn, VA

December 2009 – December 2010

- Responsibilities include management of 28 NetApp Filers across 3 separate production environments/classifications
- Providing hands-on storage configuration and trouble-shooting skills
- Conducting Technical Evaluation Meetings with incoming entities to determine best storage solution/technologies
- Use technical understanding of how storage interfaces with servers, network, databases, and other datacenter components and tuning performance of storage from an end-to-end perspective.
- Building, testing, and deploying additional storage capabilities/services that integrates efficiently with the existing storage architecture.
- Identifying volumes, LUNs and shares with the highest latency based on real-time and trending analysis. This information is used to better understand how utilization can be addressed in the future
- Analyzing current SAN utilization and potential bottleneck and conducting SAN Fabric performance analysis from Filer-to-Switch-to-Host
- Develop “easy-to-read” documentation for Data Center technicians to allow them to perform tasks such as failed disk replacement, module replacement, etc.
- Ensuring that all Hosts using SAN attached storage (Windows, RedHat, ESX) are configured with software that includes Host Utilities Kit (HUK), MPIO, Qlogic SANsurfer, and Microsoft iSCSI initiators

Storage Engineer, Lockheed Martin
Herndon, VA

April 2009 – December 2009

- Responsibilities included management of over 30 NetApp Filers across development and production environments
- Provisioning of NetApp storage LUNs using Data OnTAP, NFS and CIFS shares, Raw FC LUNs on Linux
- Implementing VMWARE/NetApp best practices to increase data utilization and performance
- Bash scripting to automate VMWARE and NetApp administration
- Performing upgrades of Data ONTAP and Firmware
- Allocating storage to bare metal machines, ESX servers, and virtual machines in NetApp FAS3050/3070 NAS and SAN environment
- Performing fibre channel soft zoning on Brocade Switches
- Documenting processes to better assist in knowledge transfer
- Configured Snap Manager for Oracle, Snap Drive for UNIX, and Host Utilities Kits in production environment.
- Installation and Configuration of Operations Manager to collect statistics and monitor performance of NetApp filers.

Systems Administrator, Lockheed Martin

September 2008 – December 2009

Herndon, VA

- Responsibilities include setting up administrator and service accounts
- Develops and monitors policies and standards for allocation related to the use of computing resources.
- Maintaining system documentation, tuning system performance, installing system wide software and allocate mass storage space, coordination of installation and provide backup recovery.
- Maintaining smooth operation of multi-user computer systems, including coordination with network administrators
- Involved in the daily maintenance and implementation of numerous VMWare ESX virtual machines

ACCOMPLISHED PROJECTS

Health & Human Services/Office of the Inspector General (HHS/OIG) (3 Month Onsite)

- Responsibilities included migrating Exchange databases and transaction logs to LUNs on NetApp storage systems using Snap -Manager for Exchange (SME) and SnapDrive for Windows (SDW)
- Backing up Exchange databases and transaction logs from LUNs on storage systems, Verifying the backed-up Exchange databases and transaction logs, Managing backup sets, Archiving backup sets, and Restoring Exchange databases and transaction logs from previously created backup sets.
- Setup and Configuration of Operations Manager/Protection Manager
- Configuring SME/SDW integration with Operations Manager/Protection Manager
- Setup and configuration 3 FAS2020 clusters regional sites in Philadelphia, Atlanta, and Chicago

Federal Aviation Administration (FAA)

- Responsibilities included setup and configuration of 2040 cluster with two DS4243 shelves attached
- Verification and testing of installed protocols (CIFS, iSCSI, NFS, FCP) and cluster.

National Science Foundation (NSF)

- Responsibilities included performing Head Swap, from FAS2050 to FAS3240
- Verification of data integrity after swap

National Aeronautics and Space Administration (NASA)

- Responsibilities included hot-adding 2 DS14MK-2 shelves to existing configuration

National Institute of Allergy and Infectious Diseases (NIAID) (2 year onsite)

- Responsibilities include Proof of Concept testing for breaking an HA Cluster and moving to a Fabric MetroCluster without data loss
- Developing implementation/test plans for proof of concept testing and production
- Installation and setup of FAS6240 Cluster with DS4243 shelves attached
- Installing, configuring, and managing a dual stretch MetroCluster which spanned from Bethesda, MD to Ashburn, VA
- Implementing Traffic Isolation (TI) on the dual MetroCluster
- Performing Head Swap, from FAS3020 to 3250
- Resolving any issues related to any known BURT's
- Proof of Concept installation for OnCommand Insight
- Shelf and Disk Firmware upgrades

Department of Homeland Security - Immigration & Customs Enforcement (DHS-ICE)

- Resolving any issues related to any known BURT's
- Proof of Concept installation for OnCommand Insight

- Installation of SnapDrive & SMSQL on Windows Server 2008 MS Clusters
- Hot addition of DS4243

Department of Homeland Security - Immigration & Customs Enforcement (DHS-USCIS)

- Assisted/Educated Customer on how to leverage OnCommand Insight to monitor, detect risk, and audit for compliance in heterogeneous storage environment.
- Located and recovered orphaned or underutilized storage using Oncommand Insight
- Upgraded Oncommand Insight and DataWarehouse to version 7.0.2 from 6.4
- Maintained custom reports from DataWarehouse requested by Management
- Monitored and tracked configuration changes of storage network assets

EDUCATION

North Carolina A&T State University
Greensboro, NC

M.S., Industrial Technology, May 2008

B.S., Electronics/Computer Information Technology, December 2006