

# Jeff Kidd

*Senior Technical Consultant*

**CONSULTANT SUMMARY**

Mr. Kidd is a Storage Consultant in our Infrastructure Services Group. He entered the UNIX field in the mid 1990s, and offers years of experience in UNIX administration, and multiple OS environments. He has been widely used in the storage arena because of his multiple platform UNIX background. His previous consulting project involved all aspects of storage area network, data migration, business continuity, and UNIX administration. He has experience in a variety of industries including Manufacturing, Telecom, Banking, Insurance, and Finance.

**AREAS OF EXPERTISE**

	<b>CERTIFICATIONS</b>	<b>NETWORKS</b>	<b>HARDWARE</b>	<b>OPERATING SYSTEMS</b>	<b>SOFTWARE</b>
<i>BROCADE</i>		CAT-5, FIBRE CHANNEL 1GB, AND 2GB	BROCADE SILKWORM 20X0, 2400, 2800, 3800, 3900 12000.		WEBTOOLS, QUICKLOOP, FABRIC MANAGER
<i>CISCO</i>		EHTHERNET, FIBRE CHANNEL	MDS 9120, MDS 9216, MDS 9509		DEVICE MANAGER, FABRIC MANAGER, IOS
<i>EMC SYMMETRIX</i>	EMC ENTERPRISE STORAGE FUNDAMENTALS, EMC SYMMETRIX FILE SERVER (CELERRA), EMC BUSINESS CONTINUANCE – UNIX, EMC ASSOCIATE OPERATOR, EMC PP ASSOCIATE EMC TECHNOLOGY FOUNDATIONS, EMC PP IMPLEMENTATION ENGINEER CLARIION SOLUTIONS SPECIALIST	ETHERNET CAT-5, GIGABIT ETHER, FIBRE CHANNEL	SYMMETRIX 3, SYMMETRIX 4, SYMMETRIX 4.8, SYMMETRIX 5, SYMMETRIX 5.5, SYMMETRIX DMX, SYMMETRIX DMX-2, SYMMETRIX DMX-3, DS-8B, DS-16B, DS-16B2, DS-16M, DS-32M, DS-32M2, ED-1032, ED-64M, EC-1200, CELERRA CFS, CELERRA CNS, CELERRA SE, CENTERA, CLARIION FC, CLARIION CX, CELERRA NS SERIES, CELERRA NSX SERIES	MICROSOFT WINDOWS , HP HPUX, SUN SOLARIS, REDHAT	EMC CELERRA FILE SERVER, EMC CONFIGURATION MANAGER, EMC CONNECTRIX MANAGER, EMC CONTROL CENTER, EMC ESN MANAGER, EMC ONALERT, EMC POWER PATH, EMC SNAPVIEW, EMC SOLUTION ENABLER, EMC SRDF, EMC SYMMETRIX MANAGER, EMC SYMMETRIX SNAP, EMC TIMEFINDER, EMC TIMEFINDER FS, EMC VOLUME LOGIX, EMC WIDESKY, EMC WORK LOAD ANALYZER

<b>HITACHI</b>		ETHERNET CAT-5, FIBRE CHANNEL	HDS 7700, HDS 9200, HDS 9900	MICROSOFT WINDOWS NT/2000, HP-UX, SOLARIS	TRUECOPY, SHADOWIMAGE, FLASHACCESS, DYNAMIC LINK MANAGER, HICOMMAND, RESOURCE MANAGER, LUN MANAGER, SANTINEL
<b>HP-UX</b>	HP-UX SYSTEM ADMINISTRATOR	ETHERNET CAT-5, GIGABIT ETHER, FDDI	HP 9000 800 SERIES, HP 9000 700 SERIES	HP-UX 7.X-11.X	HP IGNITE/UX, HP GLANCE/ MEASURE WARE, HP MC/SERVICEGUARD, HP MIRROR-UX, UNIX SCRIPTING, SETUP, INSTALL
<b>HP SURESTORE DISK ARRAY</b>		ETHERNET CAT-5. FIBRE CHANNEL	HP XP 256, HP XP 48, HP XP 512	MICROSOFT WINDOWS NT/2000, HP-UX, SOLARIS	SURESTORE LUN CONFIGURATION MANAGER XP, HP SURESTORE CACHE LUN XP, HP SURESTORE RESOURCE MANAGER XP, HP SURESTORE PERFORMANCE ADVISOR XP, HP SURESTORE AUTO LUN XP, HP SURESTORE SECURE MANAGER XP
<b>IBM AIX</b>		ETHERNET CAT-5	IBM RS-6000, IBM P-SERIES	IBM AIX 4.X	UNIX SCRIPTING
<b>LINUX</b>		ETHERNET CAT-5, FDDI, GIGABIT ETHER, FIBRE CHANNEL	INTEL BASED SYSTEMS, VA LINUX, SUN SPARC	REDHAT LINUX, SLACKWARE LINUX, CALDERA LINUX, DEBIAN LINUX, SUSE LINUX, TURBO LINUX	UNIX SCRIPTING, SETUP, INSTALL
<b>SGI</b>		ETHERNET CAT-5, FDDI	SGI INDIGO, SGI CHALLENGE, SGI O2, SGI ONYX	SGI IRIX	UNIX SCRIPTING
<b>SUN SOLARIS</b>		ETHERNET CAT-5, FDDI, FIBRE CHANNEL	SUN SPARC, SUN ULTRA, SUN ULTRA II	SUN SOLARIS 4.2-10	UNIX SCRIPTING, SETUP, INSTALL

## CUSTOMER ENGAGEMENTS

### PROJECT

EMC SOFTWARE SUPPORT SPECIALIST  
EMC TECHNICAL ARCHITECT

### ROLE

SOFTWARE IMPLEMENTATION STORAGE ARCHITECT  
STORAGE SUPPORT SPECIALIST

### KEY DELIVERABLES

INSTALL EMC SOFTWARE  
DESIGN SANS  
IMPLEMENT SANS  
CLIENT SUPPORT

### **Cisco Systems/EMC; Research Triangle Park, NC 9/2002-5/2006**

Support for Cisco's multiple production, development, disaster recover, and test SANs. Supporting SAN and NAS for Cisco Systems Worldwide. Installation of EMC OnAlert to monitor DS-16B switches. Installation of EMC Control Center. Installation of EMC WideSky, Installation of EMC Workload Analyzer. Installation of Fibre Channel switches (McData, Brocade, Cisco). Design of large SANs containing multiple EMC Symmetrix Arrays. Zoning and volume assignments for hosts added to SANs. Trouble shooting software and hardware problems. EMC SRDF and Timefinder SAN design and implementation. Design and implement SANs using Cisco's MDS switch. EMC NAS installation, and support. EMC Clariion design, implementation and support. Beta test site for EMC products in real world situations.

**PROJECT**  
SERVER/CLUSTER ASSESSMENT

**ROLE**  
ARCHITECT

**KEY DELIVERABLES**  
REVIEW DOCUMENTS AND CURRENT  
DIAGRAMS OF CLUSTER.

**PROJECT**  
EMC SAN DESIGN  
EMC DATA MIGRATION

**ROLE**  
STORAGE CONSULTANT  
IMPLEMENTATION CONSULTANT

**KEY DELIVERABLES**  
INSTALL ESN MANAGE  
CELERRA SETUP  
POWERPATH SETUP  
CONNECTRIX SETUP  
DATA MIGRATION

**PROJECT**  
OS/2 TO NT MIGRATION

**ROLE**  
ARCHITECT  
LAB MANAGER

**KEY DELIVERABLES**  
SUPPORT TEST LAB  
SUPPORT MIGRATION  
RESOLVE MIGRATION PROBLEMS

**PROJECT**  
VERITAS NET BACKUP AND VERITAS  
FILE SYSTEM

**ROLE**  
ARCHITECT

**KEY DELIVERABLES**  
DIAGRAMS OF SAN OF SAN  
CHANGES; CONFIGURATION AND  
ZONING OF SAN

**PROJECT**  
BROCADE SAN ASSESSMENT

**ROLE**  
ARCHITECT

**KEY DELIVERABLES**  
REVIEW DOCUMENTS AND CURRENT  
DIAGRAMS OF SAN  
COMPARE SAN WITH BROCADE'S  
BEST PRACTICES  
PROVIDE RECOMMENDATIONS FOR  
FUTURE SAN CONFIGURATIONS

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### ***NCR; Dayton, OH; 3/2005***

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Review, document and diagram Sun Cluster. Review proposals by IBM, HP, and Sun to replace current Sun Cluster. Weight performance, cost and ease of use to rank the various vendor offerings.

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### ***Aflac; Columbus, GA 4/2002-8/2002***

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Upgrade Volume Logixs to ESN Manager. Installation and configuration of EMC Connectrix DS-32M Switches. Installation and configuration of a Celerra FS. Migrate data from NT/Win 2k file servers to Celerra FS. Install Powerpath on SAN hosts. Allocate storage, zone storage, and test Powerpath fail over for new SAP servers. Knowledge transfer and documentation for client.

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### ***Discover Card Financial; Riverwoods, IL; 4/2002***

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Maintain a test and Production Celerra during migration from NT and OS/ to Celerra. Installation of software updates. Troubleshooting of problems during migration. Creation of new shares as needed on Celerra. Creation of monitoring scripts on Celerra to monitor migration. Installation of Celerra Anit-Virus software.

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### ***Bridgestone/Firestone; Bloomington, IL; 12/2001 – 3/2002***

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Installation of San attached tape libraries. Produce implementation guide for EMC DS-16b changes. Create new zones for Fibre Channel to SCSI bridges. Troubleshooting basic problems with Veritas filesystem and Veritas Net Backup. Troubleshooting problems with Fibre Channel media, and Gbic.

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### ***NCR; Dayton, OH; 11/2001 – 12/2001***

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Review, document and diagram current Brocade switch configuration and present to NCR (Visio). Compare the current configurations against Brocade's best practices guide. Compare the current configurations against Brocade's SAN design guide. Compare the current configurations against Brocade's compatibility matrix. Provide recommendations for future state Brocade switch configurations. Review Document and diagram Future state Brocade switch configurations. Present all findings to management in the Final report presentation. Coordinate and perform knowledge transfer to project sponsor and operations staff.

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**Nielsen Media; Tampa, FL; 11/2001**

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**PROJECT**  
DATA CENTER MIGRATION  
PLANNING

**ROLE**  
ARCHITECT

**KEY DELIVERABLES**  
DESIGN NT MIGRATION TEST PLAN  
DESIGN NT MIGRATION PLAN  
PRODUCE MATERIAL AND LABOR  
COST FOR NT SYSTEMS

Develop migration test plan for a possible data center move. Develop system movement and downtime plan. Create an estimated time scale along with project plan so cost can be determined.

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**Discover Card Financial; Riverwoods, IL; 9/2001 – 11/2001**

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**PROJECT**  
OS/2 TO NT MIGRATION

**ROLE**  
ARCHITECT  
LAB MANAGER

**KEY DELIVERABLES**  
DESIGN TEST MIGRATION LAB  
DESIGN MIGRATION PLAN  
DESIGN LAB CHANGE CONTROL  
PROCEDURE.

Develop migration test lab design. Implement the design for test lab. Develop change control procedures for the test lab. Develop backup and recovery procedures for the test lab. Integrate the use of an EMC Celerra into the migration lab plan. Use the EMC Celerra as a file server and backup server.

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**Discover Card Financial; Riverwoods, IL; 7/2001 – 9/2001**

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**PROJECT**  
CELERRA INSTALLATION AND  
CONFIGURATION

**ROLE**  
TECHNICAL CONSULTANT

**KEY DELIVERABLES**  
INSTALL CELERRA OPERATION  
SYSTEM.  
DESIGN CELERRA SAN  
INSTALL EMC MANAGEMENT  
SOFTWARE  
PRODUCE A TURNKEY INSTALLATION

Setup, install and configure ten Celerra FS and Celerra SE systems. Setup and Configure the San for the Celerra. Setup and Test connectivity for the Celerra FS systems to their Symmetrix systems. Install EMC software including ECC manager, Connectrix manager, and ESN manager. Test every setup for bugs and deliver a turnkey solution to Discover Card.

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**Altheimer & Grey Law Offices; Chicago, IL; 7/2001**

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**PROJECT**  
EMERGENCY SYSTEM RECOVERY

**ROLE**  
TECHNICAL CONSULTANT

**KEY DELIVERABLES**  
RECOVER OPERATING SYSTEM

Recover the Operating system on a corrupt system. Perform a rebuild of filesystem since customer didn't have a backup of the OS or backup of configuration. Then recovered the database.

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**Astoria Federal Savings; Lake Success, NY; 5/2001-6/2001**

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**PROJECT**  
STORAGE AREA NETWORK

**ROLE**  
STORAGE AREA NETWORK  
ARCHITECT

**KEY DELIVERABLES**  
DESIGN STORAGE AREA  
NETWORK  
DESIGN DISK LAYOUT FOR HP  
XP DISK ARRAY  
DESIGN AND IMPLEMENT ZONING  
WITHIN THE STORAGE AREA  
NETWORK

Develop a Storage Area Network design using three Brocade 2800 Fibre Channel switches and a HP XP 48 disk array connecting to HP, SUN, and NT servers. Setup and configured a HP N class server to use HP XP 48 for its disk. Performance tuning on the HP N class server. Designed Disk Lun layout for HP XP 48 with Business Copy to support the company's Oracle database. Design Zones for HP, NT, and Sun in the same Fabric using Brocade Zoning. Install and configure Sun Host Bus Adapters. Connected Sun systems to the SAN.

**PROJECT**  
BUSINESS CONTINUITY SOLUTION  
**ROLE**  
TECHNICAL CONSULTANT  
**KEY DELIVERABLES**  
PROJECT PLAN  
IMPLEMENTATION SCRIPTS AND  
CONFIGURATION

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***Bank One; Columbus, OH; 5/2001***

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Developed a plan for configuring and testing Timefinder fail over on NT with EMC disk. Assisted with planning and testing Timefinder fail over on Sun Solaris with EMC disk. Developed plan for future Timefinder and SRDF implementations.

**PROJECT**  
STORAGE AREA NETWORK  
**ROLE**  
STORAGE AREA NETWORK  
ARCHITECT  
**KEY DELIVERABLES**  
SAN DESIGN AND ZONING OF  
VARIOUS OPERATING SYSTEMS

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***Flagstar Bank; Detroit, MI; 4/2001***

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Develop and design a storage area network using three EMC DS-16s with an EMC disk array connecting IBM AIX, NT, and Novell servers. Designed Zones to separate the different Operating Systems from interacting with each other on the Storage Area Network.

**PROJECT**  
STORAGE AREA NETWORK  
**ROLE**  
TECHNICAL CONSULTANT  
**KEY DELIVERABLES**  
STORAGE AREA NETWORK  
DESIGN AND ZONING  
CONFIGURATION OF THE DS-16  
SWITCHES  
CONFIGURATION OF THE HOST  
BUS ADAPTERS

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***Emmigrant Savings Bank; Elmsford, NY; 3/2001***

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Develop and design a storage area network using four EMC DS-16s with 2 EMC disk arrays connecting NT and Novell systems between two data centers. Installed and configured EMC DS-16s switches to replace current fibre channel arbitrated loop setup. Configured EMC DS-16s to support Extended Fabric from one data center to another. Configured multiple fabrics, with multiple zones on the switches. Configured host bus adapters to work in switched fabric environments.

**PROJECT**  
DATA CENTER RELOCATION  
**ROLE**  
TECHNICAL CONSULTANT  
**KEY DELIVERABLES**  
SUPPORT ALL OPERATIONS IN  
ATLANTA

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***National Data Corp; Atlanta, GA; 2/2001***

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Supported a data center move from Georgia to New York. Installed tape drives and controller cards on HP 9000 server. Configured Legato Networker to work with new tape drive, and controller card.