

Robert Auch, MCSE, RCHE

1143 S. Scoville Ave.
Oak Park, IL 60304
rauch@totalnetsolutions.net
C: 773-655-6834



redhat.
CERTIFIED
ENGINEER

Microsoft
CERTIFIED
Systems Engineer

Objective

IT Infrastructure Architect

Qualifications

- More than fifteen years experience in IT, working with MS-DOS 5.0 through Red Hat Enterprise 6
- Extensive experience in project-based migrations including Directories, Exchange, Oracle, and MSSQL
- “You possess more technological knowledge than anyone I know” – former manager

Work History

Likewise Software, Inc.: Project Manager, Deployments

2008-present

- Created process to rapidly and safely migrate customer environments from NIS/LDAP/NIS+ into Active Directory using Likewise Enterprise Software
- Developed, tested, and published best practices guidelines for Likewise Enterprise and Likewise Open software suites.
- Managed up to 20 simultaneous active customer projects across North America and Europe
- Lead architect for NIS to AD migrations for customers including Delta Airlines, TIAA/CREF, Maersk, and Qwest Communications
- Rewrote operations procedures for all major customers to best capture the cost savings benefits of merging Unix identity information into Active Directory.
- Drove development of multiple new features in Likewise Enterprise from customer request through feature inclusion in software product.
- Troubleshoot software installation and migration issues on AIX, HP-UX, Linux, Mac OSX, Solaris and Windows operating systems.
- Debugged software failures for reporting accurate tickets to development team.
- Created training plan and training book used by new hires, customer training, and Likewise U classes.
- Discovered and remediated issues in customer Active Directory and Unix interoperability including, but not not limited to, replication, networking and site design.
- Wrote over 200 reusable Perl, Python, Shell and VBscript tools to migrate, fix, check and control customer environments which were subsequently productized.
- Developed and built a partner network to share toolset and train VARs in proper deployment process.
- Managed a team of 2 employees and multiple VAR engineers.

Empire Today, LLC.: Senior Systems Engineer

2005-2008

- Architect of disaster recovery / business continuity site and fail over plan utilizing technologies including EMC SDRF, F5 load balancers, and MPLS..
- Designed and implemented migration from single standalone Exchange server to 5 clustered back-end and 2 load balanced front-end servers.
- Re-engineered AD topology, setting up Sites and Services for proper logons and balancing of WAN clients, and redesigning OU structure to more properly align with the business layout.
- Created 3-node file server cluster with domain-based DFS to create highly available system able to translate seamlessly into DR site.
- Planned and built F5 6400 LTM HA pair to load balance, accelerate and secure all web applications.
- Created full Windows 2003 Enterprise CA PKI, which was rolled out to all clients and used for all internal web applications, EFS, and S/MIME-secured emails.
- Redesigned Group Policy structure from 95 GPOs to 35, creating a hierarchy with no object blocking and full control of all systems.

Robert Auch, MCSE, RHCE

Page 2 of 3

- Primary architect and systems administrator for roll out of Red Hat Enterprise Linux 4 for clustered Oracle 10g RDBMS and 11i E-Business Suite project for Oracle Financials, Oracle Incentive Compensation, Oracle Identity Management, and Oracle HRIS.
- Planned, documented and implemented security for Red Hat Enterprise Linux 4 and 5 to integrate fully with AD domain for true single-sign-on capability for administrators and operators.
- Successfully rebuilt Exchange 2003 system with 1.2TB of data in under 24 hours when underlying SAN crashed leaving original server non-bootable. No data was lost, and all accepted emails were delivered.
- Worked with business leaders to develop IT Priority List, which is used by all IT departments for disaster recovery planning, boot order scheduling, and break/fix prioritizing.
- Built and maintained complete dependency diagram of all IT systems to show affects of changes in formerly discrete areas of IT.
- Assisted IT Operations Director in creation of comprehensive IT Security Policy and major updates to IT Systems Policy.

National Systems / QuikOrder Inc.: Network Administrator

2003-2005

- Responsible for keeping online ordering system web farm available at 99.99% uptime SLA while maintaining security through auditing, patches, and proactive testing.
- Managed help desk functions for a call center user base of 500+ users in 3 cities.
- Designed and installed VoIP system to integrate with company's PBX
- Migrated system from NT4 to Windows 2003 AD and Exchange 5.5 to Exchange 2003 SP1.
- Integrated new GPO structure to minimize administrator interaction with local programmers' systems, maximizing work time availability for all end users.
- Worked closely with engineers from Pizza Hut and Domino's to tie systems into their internal WANs for direct delivery of orders from web servers to in-store POS systems.

Network Consultant and co-owner: totalnetsolutions.net

2000-present

- Planned, proposed, and built servers, network, and workstations for national construction consulting firm.
- Assisted Aon Corporation with workstation roll out project.
- Designed and built entire Windows AD Forest and all servers for Washington D.C.-based government software development contractor. Set up system maintenance tasks and GPOs such that no support calls were made for 6 months after build-out was completed.
- Migrated same environment from Windows 2000 to Windows 2003 with same availability marks upon completion.
- Managed team to upgrade nation's largest aquarium from pure NT4 environment to Windows 2000 in under 4 week engagement with no business downtime and no loss of aquatic life.

SRV Network, Inc.: Network Technician

2001-2003

- Primary Active Directory and Exchange administrator for 50+ separate clients.
- Successfully performed 3 different Exchange disaster recovery reinstalls for new customers with no data loss, causing them to enter into new support contracts with SRV.
- Designed, planned, and scripted SRV's first successful 1000+ user domain migration.
- Built SRV's first SQL 2000 server cluster.

CaDan Computer Corp.: Network Technician

2000-2001

- Redesigned and rewrote web application for media content rating for national nonprofit in 2 months.
- Assisted in building images and deploying 1000+ workstations.
- Sole administrator for national nonprofit, performing AD, Exchange, SQL administration and all Help desk functions.

Robert Auch, MCSE, RHCE

Page 3 of 3

Breiland Computer Consulting: On-Site Consultant

1998-2000

- Managed 40+ Novell 3.x and 4.0 servers for multiple clients.
- Migrated multiple clients from Novell 3.x to Windows NT4 servers.
- Kept all clients from experiencing any Y2K issues with proactive patching schedules and software upgrades.

University of Minnesota Veterinary Hospital: Jr. Network Administrator

1997-1998

Best Buy, Inc.: Computer Sales and Support

1994-1997

Speaking Engagements

Directory Experts Conference

2008

Directory Services Track: "Linux Integration into AD"

Education and Training

MCSE: Windows Server 2003

RHCE: Red Hat Enterprise Linux 5

RHCT: Red Hat Enterprise Linux 5

MCSE: Windows 2000 Server

MCP: Exchange 2000 Server

MCP: Windows 95

University of Minnesota, Minneapolis, Minnesota

Relevant Work

Jawaahir Dance Studio and Cassandra School of Dance

1994-2006

Network designer and administrator for studio. Assist in computer grant proposal writing. Manage all user and server systems and upgrades. Perform vital functions in all levels of first and second server purchases, including user training on using networked systems and backup functions. Performed remote administration of server and workstations for 3 years.