Paul Keating

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WINDOWS, UNIX, CLOUD TECHNOLOGIST/ARCHITECT & VIRTUALIZATION PRODUCT MANAGER

Windows, Unix and Cloud technologist with 20+ years of experience in server/desktop service delivery, engineering, architecture, project leadership and product management. Consulting level roles with Windows, Unix, Linux, AWS and legacy platforms. Excellent applied core networking skills. Deep understanding of server and desktop infrastructure services and delivery. Act as a change agent in architecture and engineering practices applied to Desktop Virtualization, Converged and Hyper-Converged implementations. Strengths in troubleshooting, communication, project management, and technical leadership. Proven adaptability to new technology, business solutions, fast paced change, and pressure situations.

Technical Experience

Technologies	AWS Cloud Certified, VMWare 6x DataCenter Certified, Citrix XenDesktop 2-7.6, Citrix PVS 6-7.6, Microsoft Active Directory (W2K3, W2K8), Leostream Brokers, Display Protocols (ICA, RGS, RDP), HP ThinClients, Microsoft Clusters, Solaris 2.x-8.0, Various Linux OS's, MS Small Business Server, Legato Networker, Netbios(MS, Samba), Apache, IIS, Oracle Web Server Support, Arcserve, Backup Exec, Enterprise AV Solutions, SQL Reports, Veritas VM, SUN Disksuite, Storage Arrays(Clarion, NSTOR, Sun, Winchester), HTM, Exchange 2003, MS SQL Server 2005, 2008
Networking	TCP/IP Networking, AWS Virtual Private Clouds, DHCP, FTP, DNS(MS, Bind), SMTP, SNMP, TFTP, WINS, NFS, NIS
Tools	Sniffers (WireShark, TCPDump, Netmon), Ipchains Firewall, Sysinternals (Procmon, Poolmon), X Emulators, MS Project, Various OA tools
Hardware	HP Blade C7000 Enclosures, HP BL 460c and WS460c Server & Desktop Blades, HP 7725 ThinClient, Intel based servers(HP DL Class Rack mounts, Dell), Intel Desktops& Laptops (HP, Samsung, Dell), IPAD 4&5, HP ThinClients (ThinPro, Embedded Windows), Sun (E450, E3000, E3500, E4500), Various RAID storage hardware - Raid 0,1,5, and 10 Configs
Languages	Powershell, Perl (Wintel & Unix), Shell scripting, VBScript, HP RIBCL, TCL/TK
Practices	ITIL, Global infrastructure Support, Desktop Engineering practice, Computer Room Management, Project management/oversite, Software Development Support

Fidelity Investments, 2 Contra Way, Merrimack, NH   10/2007-6/2017
Principal Systems Engineer - Systems Architect/Emerging Technologies
Lead the EUC virtualization team targeted to build, deploy, and document virtualization solutions in support of global desktop and financial/trading operations. Architect and manage implementations based upon HP blade hardware, VMWare ESX Hypervisors, Citrix XenDesktop and multiple display protocols resulting in 10's of Millions of dollars in data center avoidance costs. Build, deploy and document global authentication infrastructure using Microsoft Active Directory services. Recommend and influence hardware & software procurement exceeding 10 Million dollars over the last 5 years. Perform core research for display protocols and remote computing architecture.

- Hardware Virtualization Product Management leading a team of 5 VMWare and Citrix professionals to deliver desktop virtualization services and lifecycle management
- AWS/AD authentication consulting for Ping Federated/SAML identity management
- Project Lead for HVD Hyper-Converged platform assessment examining performance and TCO impact to the enterprise

- Project Lead HVD Converge implementation including: HP C7000 enclosures, BL 460c G8/G9 blade servers, Virtual Connect, PVS image management, VMware mgmt., Offloaded AV, platform recovery, image management processes, division of labor and responsibilities
- Design & Build Citrix XenDesktop 5 infrastructure to support International Trading operations on WS 460c Desktop Blades
- Build domestic desktop Trading solution employing HP Workstation blades (WS460c), HP ThinClients (gt 7725), and RGS.
    - Design & Build Leostream connection broker infrastructure and control structures for a Domestic and International solution using RGS, ICA and RDP display protocols.
    - Integrate NIC teaming solution and console management into the enterprise builds
    - Author perl scripts extract blade data and provision ILO's using HP RIBCL
- Influence Citrix, HP and Leostream vendors to update broker sw and display protocols resulting in multiple custom builds/bug fixes to meet Fidelity reliability and functional need
- Lead Global Active Directory infrastructure projects for Windows Server 2008 R2 upgrade and OU redesign to optimize GPO execution
- Characterize ICA, RGS and RDP display protocols for use on global networks
- Act as incident escalation point for complex, high impact, global infrastructure desktop computing and authentication issues

Fidelity Investments, 2 Contra Way, Merrimack, NH   2003-10/2007

Principal Systems Administrator

Support Fidelity Management & Research Company Wintel infrastructure in operational support of Fidelity worldwide trading operations. Provide technical services and leadership on all aspects of FMRCo 7x24x365 operations.

- Create process documentation and workflow for VMWare desktop & server provisioning.
- Organize and perform security patching ops on 100's of Windows servers in support of Security directives.
- Create scripts in Perl and VBScript to automate data collection and repetitive tasks.
- Create, support, update and document Microsoft Clusters and associated SAN storage hardware to support Fidelity printing operations.
- Primary support and escalation point for IIS Shared Web services platform.
- Serve as department escalation point for involved technical and troubleshooting issues.
- Train junior staff on all aspects of Windows support, networking, and departmental processes

Inforonics Inc., 30 Porter Rd., Littleton, Ma   1998-2002

IT Manager/Project Lead   2000-2002

Delivered services and support for Unix, Windows NT/2000, and Linux platforms while providing technical and project leadership to an array of task teams for a web development and application services concern. Trained, lead and performed activities in systems integration, support, data protection/backups, web server support, Oracle DB systems support, host based security, network issues, cross platform data sharing, host based security, office automation, computer room management, and third tier problem escalation on all platforms.

- Manage, train and mentor a team of 5 Desktop & Server Support professionals
- Scripting in PERL, Unix shell, Windows Command Language, and TCL
- Incorporate hardware and services of two purchased companies, including lab build-out, backup services, web services and DNS integration.
- Evaluate performance of largest customer DB and Web servers resulting in published architectural and storage changes that increased fault tolerance and performance.

Senior Systems and Networks Administrator   1998-1999

Responsibilities included installation, support and training of staff on Solaris and Windows NT systems running on various Sun, Compaq and Intel hardware. Involved project management, direction of junior staff on web support, cross-platform integration, software tracking, office automation, internal business applications, desktop support as well as DNS, DHCP and NT Domains.

TASC Inc., Reading, MA   1995-1998
Senior PC/LAN Support Specialist
Design, installation, support and staff training relating to NT Domain architecture, desktop engineering, automated software distribution, NT domain admin, NT server support, desktop support, host based security, antivirus and remote access issues. Project manage the creation and support of remote NT work sites (nationwide). Support of Windows software dev efforts using PVCS. Act as VMS consultant and escalation point for database (RDB) systems running on Alpha 2100's. Act as senior PC/LAN/NT consultant for company initiatives.

Digital Equipment Corporation, Maynard/Andover/Littleton, Ma.   Pre-1995
Senior Information Systems Specialist & other roles

Education
Certified AWS Solutions Architect Associate	– Amazon Web Services Training
Certified VMWare Data Center Associate	– VMWare Training
Certified Unix Administrator	– Boston University
Certified Citrix Associate Virtualization	– Citrix Training
Bachelor's Degree of Management	– Lesley College