

## Melvin Tryels

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### **Specialties: Network & System Management, Data Center Emerging Technologies, Virtualization, Microsoft Windows Technologies.**

#### Skills Summary

Melvin Tryels has had a very successful IT career with over 18 years of experience. His experience has placed him on the cutting edge of the IT environment. Melvin's unique set of technical experiences in IT arena has spanned most major industries including, insurance, telecommunication, financial, medical universities, and government contractors.

Melvin has served in a variety of positions, including Technical Product Management, Project Management, Product Integrator, Solutions Architect and Business Consultant. He has experience with Datacenter Consolidation, Virtualization, Network Solutions Design, SAN Design and Assessments. Mel is well versed on Microsoft and some Unix platforms, VMware, MS Virtualization, and most major Network and Systems Management applications.

#### Certifications and Training

- VMware Certified Professional (VCP)
- VMware Capacity Planner & Data Collection
- VMware P2V (Physical To Virtual)
- PlateSpin (Power Recon / Power Convert)
- Infovista (VIS - Vista Inside For Servers)
- IP Control – Cisco OS
- SAN Design and Assessments Training
- NetCool Certification Training
- CA Unicenter Certification
- CA eTrust Vulnerability Manager
- MS Windows Training
- Mastering the Requirements Process

#### Professional Education

- BBA ENMU School of Business
- CIS ENMU School of Business (Eastern New Mexico University)

#### Notable Experience

##### **Major Financial Service Institution (Countrywide)**

###### *Virtualization Consultant/ Engineer*

Using a SDLC phased approach; provide industry best practices to assist the client in its datacenter consolidation/ virtualization process. Leading a four person implementation team, start the requirements analysis phase by validating the current VMware infrastructure and develop detailed implementation plans and remediation for any gaps that are identified during this process. Gather performance and detailed physical server infrastructure information / documentation in preparation for the design / migration phase of our approach. Ensure the customers understanding of the SDLC process which includes knowledge transfer and setting up an environment to facilitate future migrations. Finally, document and manage migration testing, lessons learned, and next steps for post project implementation.

- Using a defined resource list given by the client, validate the capacity planning tools from PlateSpin
- Research and resolve issues encountered from previous use of PowerConvert vs. VMware Converter
- Perform a rapid migration of server images from the current physical platforms to virtual machines.
- Determine if images should exist on IBM Blade server of ESX host

**Environment:** VMware ESX 3.0 and 3.5 (VI3), VMware Virtual Center, VMware Converter, PlateSpin Power Recon / PowerConvert, VMotion, Virtual SMP, HA (High Availability) and DRS (Distributed Resource Scheduling), EMC Clariion CX 500/600/700 and CSX SAN storage, Emulux HBA LP1050-e, Brocade Fiber Channel switches, Windows Server 2003, HP Smart Array Controller, HP NC7771 Gigabit Adapter, HP Servers, IBM Blade Servers.

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### Major Health Care Provider (Kaiser Permanente)

#### *Virtualization Infrastructure Assessment Engineer*

Develop a criterion based on best practices with respects to current systems OS, CPU Speed (MHz), Disk Space, Disk Used, to identify existing compatibility to virtualization. Query performance data and identify all systems that meet or exceed the current minimum criteria to for further reviewed by analyst. Upon receipt the analysis will review each system in detail to better qualify each system as a potential virtualization candidate. Each system must go through a status matching criteria based on infrastructure information, location and existing documentation in preparation for the migration phase. Each system is then analyzed and ranked based on risk, availability and mission status.

- Qualify the impact of virtualization to system
- Assess potential benefits for the client, specifically the type and number of systems qualified as virtual machine candidates to support the Server Consolidation efforts
- Assess and identify immediate consolidation opportunities that exist within the clients primary datacenter
- Conduct a presentation session with key stakeholders to review the assessment deliverables and answer any outstanding questions

**Environment:** VMware ESX 3.0 and 3.5 (VI3), VMware Virtual Center, MS Windows Performance Management, Virtual SMP, HA (High Availability) and DRS (Distributed Resource Scheduling), Windows Server 2003, HP Smart Array Controller, HP Server, Sun Solaris.

### Major Law Firm (BBWCDF)

#### *Infrastructure Monitoring / Virtualization Engineer*

Assess the current Network and System Management environment and make recommendations based on findings and gaps in the process. Assess the current policy based incident response and made initiatives and make recommendation for improvements. Installed and upgraded the current application and systems monitoring software and configured to reflect new policies. Troubleshoot and assist in the administration and configuration of various systems / network related equipment. Act as a SME (Subject Matter Expert) for the network and system internal organizations. Document current virtualization environment and make improvements where necessary, and continue virtualization efforts already underway.

- Assist with server migration/consolidation efforts to virtual platform
- Act as a point of contact with product development
- Identified gaps based on stated company objectives and best practices requirements
- Develop processes for Virtualization of current legacy environment
- Assist in the planning and build out of the new datacenter

**Environment:** VMware ESX 3.0 and 3.5 (VI3), VMware Virtual Center, VMware Converter, Virtual SMP, HA (High Availability) and DRS (Distributed Resource Scheduling), Windows Server 2003, Dell Enclosures, Cisco Works, Solarwinds, Cisco 4000 / 2500.

### Major US Airlines (American Airlines)

#### *Infrastructure Engineer*

Develop technical documentation related to daily operations for use as Job Aides for Technical staff. Assist in the daily management of contractual resources on-site and in remote datacenters. Assist Smart-Hands in assessing the current performance gathering environment for best practices. Weigh various suggested technical solutions against business needs and choose the most cost-effective solutions. Work with systems administrators on upgrading Windows OS from NT to Win2K. Installed and upgraded Linux Red Hat and related environment. Assist in basic technology refresh across all datacenters. Configure and test all Cisco OS configurations and submit Engineering Change Notification (ECN) for Change Control approval.

- Assist with server migrations and consolidation efforts
- Assist application developers and system engineers with virtualization limitation

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- Assign IP's and build subnets utilization IPControl application
- Work with all levels of management with regards to daily/weekly and monthly reporting
- Act as a point of contact with product development
- Identified gaps based on stated company objectives and best practices requirements
- Develop processes for Virtualization of current legacy environment
- Assist with large server migration/consolidation efforts within multiple datacenter environments

**Environment:** VMware ESX 3.0 and 3.5 (VI3), VMware Virtual Center, VMware Converter, VMotion, Virtual SMP, HA (High Availability) and DRS (Distributed Resource Scheduling), Windows Server 2003, HP Servers, IBM Blade Servers, Cisco OS, IPControl.

### International Bank / Financial Institution (Banco Popular- Dominican Republic)

#### *ITIL based NSM Assessment Project Manager.*

Document in detail the current processes for Incident, Problem, Configuration and Change Management as it relate to Business Continuity for the NSM, Server and SAN systems. Create an Architecture document with all systems involved in the NSM tools set and document task flow charts representing current policies and procedures in the ITIL process. Prepare a test environment for recommended NSM tools, which included hardware and software, security credentials, production data and lastly, backups. Identify current Servers that can be virtualized when virtual environment is prepared. Prepare a list of remediation items, (quick, fixes, short-term and long term) with BPD personnel and establish priorities for those items. Establish time frame and BPD person for each particular task on the prioritized list for first phase (quick-fixes).

- Deployment of appropriate discovery tools
- Compile Network Performance assessment and baseline
- Review automatic discovery information
- Assessment and Analysis
- Knowledge Transfer and Training

**Environment:** VMware ESX 3.0, VMware Virtual Center, VMware Converter, CA Unicenter NSM, Unicenter Asset Management, Unicenter Service Desk, eTrust Security Command Center, eTrust Audit, Infovista for Servers, Solarwinds, Compuware Vantage Suite, CiscoWorks 2000, Microsoft SMS 2003, EMC Control Center, EMC SRDF Timefinder Manager,

### Financial Services Company (Alliance Data Corporation)

#### *Information Security Monitoring and Controls Assessment.*

Evaluate current company security practices and compare to federal regulations. Evaluate current security monitoring tool set based on FFEIC and GLBA regulations and determine if configured correctly for optimal coverage and compliance. Identify and document applicable FFEIC and GLBA related to access monitoring and reporting. Compare documented process and procedures for access monitoring against federal regulations and best practices. Identify and document gaps in current process and procedures as they relate to FFEIC compliance. Identify and document gaps in installed tool set. Report assessment findings and recommendations to monitoring and controls committee.

**Environment:** CA Unicenter NSM, Unicenter Asset Management, Unicenter Service Desk, eTrust Security Command Center, eTrust Audit

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### Fortune 100 Communication Company (BellSouth)

#### *Product Integrator / Liaison.*

Gather requirements for a particular product from product development/marketing and communicates the requirements to each functional project team. Coordinates impact analyses with the functional teams, gathers project plan information for system enhancements, and presents and tracks systems readiness status for each product. Add value to the communications channel by building and sharing product knowledge and systems implementation requirements knowledge and acts as a single point of contact with product development. Develop integrated project plans for product from a systems perspective. Track and communicate systems status for a product to all constituencies. Deliver integrated project plans for enhancements necessary to accommodate products. Performed an OSS (Operational Support Systems) infrastructure assessment and presented findings and recommendations for enhancements to the clients existing e-Business Centers. Performed and Operational Process review for internal clients including Service Activation, Order Management and Provisioning. Documented Network and Systems management solution utilizing existing NSM software.

**Environment:** NetCool Nerve Center, CA Unicenter NSM, NetIQ, Sun U450s and E4500s, Compaq

### Fortune 100 Communication Company (BellSouth)

#### *Develop product platform for the delivery of new multi-million dollar Storage related initiatives and product line.*

Identify e-Storage solution partner. Assists in the design and deliverance of an end-to-end internal customer trial with SSP (Storage Service Provider) for delivering Managed Storage and Business Assurance services. Identified Storage product offerings for e-Business customer base. Evaluated business and application requirements, perform audits of the entire support infrastructure, and provide a “gap” analysis benchmarked against industry best practices. Creation of storage solution logical and physical scheme addressing requirements established in gap analysis. Based on detail design, work with customers to acquire the necessary equipment from each vendor, configure/install/connect all to enterprise storage hardware, software and networking components. Once the solution components are integrated and configured, test the entire solution to ensure interoperability. Work with other IT teams to transfer detailed information through knowledge transfer, documentation and presentations.

**Environment:** Compaq Storage Works, HDS 9960, EMC Symmetrix, Sun T3 & A5200  
Switches: Cisco IP gear, Brocade Silk Worm, McDATA, EMC Connecix, NAS: NetApp F760, Celerra,  
Backup: StorageTek L710, Legato Networker, Veritas NetBackup, NT 4.0, Win2K, Solaris 2.6, 2.7 and 2.8, HP-UX 11.0, AIX 4.3.3, Linux.

### Fortune 500 Financial Company (CheckFree Corporation)

#### *Planned, Designed and Implemented complete NSM Solution utilizing existing Legacy systems.*

Designed and implemented NSM discipline to support company e-Business Vision and Methodology. Coordinated cross platform integration of disparate systems and assisted in the development of strategic vision, project methods and presentation to socialize projects. Combined operational processes to accomplish business objectives and management coverage of internal services. Created methodology needed to cover network, systems and application monitoring including integrating with incumbent management tools. Managed acquisition of internal project resources, combining operational process with management tools to accomplish business objectives.

- Planned, designed and implemented a multi-million dollar NSM package
- Managed system vendors and a 3 person NSM team
- Developed cross platform integrated response team
- Developed companywide 24X7 monitoring strategy utilizing a multi-million dollar

**Environment:** TNG Unicenter NSM, TNG Asset Management, TNG Service Desk, HP Openview, Windows NT, Solaris 2.6 – 2.7 , HP Unix 11, AIX, EMC, IBM Mainframe, Cisco Works.

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### **Notable Accomplishments**

Principal Consultant Promotion - Consultant of the month Award

Senior Network Systems Consultant Promotion - Consultant of the month Award

### **Professional Education**

Certification Training for CA Unicenter TNG Basics

Certification Training for CA Unicenter TNG Advanced Administration

Certification Training for CA Unicenter Engineering

Certification Training for Netcool/OMNIBus 3.4 User

Certification Training for Netcool/OMNIBus 3.4 System Administrator

Certification Training for Netcool/OMNIBus 3.4 Advance Course

Certification Training for Brocade SAN Design and Assessments

Certification Training for Novell Netware

Certification Training for OS/2

Certification Training for Windows NT

Certification Training for Windows SQL Server

Certification Training for Raptor SecureNet Firewall

Certification Training for FireWall-1

Certification Training for Novell Netware

Certification Training for Project Management