

Thomas J. Ackermann

STRENGTHS:

- Ability to quickly assess technical needs to meet business requirements, design scalable solutions (technical, business aspects, staffing, operations), present & gain approval internally and/or from clients, and implement solutions within the given time frame and budget
- Strong negotiation skills (with a proven history of successes)
- Strong communication skills (for both technical and non-technical audiences, in English and German, written and verbal, excellent presentation skills for small and large audiences)

SUMMARY:

- Over 20 years experience in consulting, implementation, scaling and management of Internet services, Information Technology Infrastructure, Security, LAN, WAN, and related fields
- International experience in Europe (Germany, France, Italy, The Netherlands) and USA
- Experience with start-ups (Silicon Valley, California), Fortune 50, and Government Agencies
- Over 15 years of successful project and personnel management

Melior, Inc.
Dallas, Texas
(12/2000 – present)

www.dDoS.com

CEO and Chairman

I incorporated Melior, Inc. as a Delaware company in February 1996, providing Internet Infrastructure, Architecture, and Network Security services. As a consulting and services provider, the company had long-term customers in Europe and the United States, and through Melior, I contracted for the restructuring efforts at Bank of America (1998, see below), Turner Construction (2001, see below), as well as several other companies.

In 2001 / 2002 Melior built prototype WiFi Security Analysis tools (among them an AirSnort prototype vehicle, still unsurpassed today), to demonstrate live encryption code breaking on the company-owned Cray CS-6400 Supercomputer and cluster systems built for this purpose. Melior also set up the first free WiFi access point in the city of Dallas, which put the Metroplex on the map among the “Top 10 Unwired Cities in the US” in Wired Magazine in May 2003.

By the end of 2002, and with staggering damages through Denial-of-Service attacks worldwide, I restructured Melior, Inc. from a service provider business to a product company, to focus all resources on the development of a working solution against Penetration Testing and Denial-of-Service Attacks. Melior was able to develop the first real-time and signature-free solution, and introduced the first product to the public at the RSA conference in San Francisco in February 2004. By that time, the technology had been proven by successfully defending 300 million users of anti-Spam blacklists against virus-induced Denial-of-Service attacks launched by the Russian mob (all users of Spamhaus in London – 240 million, among them several US Federal Agencies, Governments, Universities, and Fortune 50 companies - and Sorbs & Spews in Brisbane, Australia). By January 2005, Melior introduced the full product “Barbican RNP (Real-time Network Protection)”, covering TCP, UDP, and ICMP CyberWarfare Defense capabilities against Penetration Testing, Denial-of-Service attacks, VoIP attacks, and other “junk” traffic, and, based on the same, patented underlying technology, had developed a solution to eliminate Spam (UCE) at a 99% or higher rate without any false positives (neither technology has been surpassed since).

Though chronically under-funded, a fraud by several parties in Europe locked up 20% of the companies' capital, crucial to go to market with the product, and Melior was forced to suspend operations in May 2005. A criminal complaint for prosecution in the US had been filed by August 2005 with the FBI in Dallas;

Thomas J. Ackermann

the course of this criminal prosecution is expected to last through 2008 (as well as separate criminal prosecution in parallel in Germany).

Melior has been a full member of the NSA / DoD's "SPOCK" program, participated actively in the FBI InfraGuard program and US Secret Service "North Texas Electronic Crimes Task Force", and presented the technology to the US Department of Homeland Security, NATO C3 Network Security in The Hague, Netherlands, as well as many other relevant institutions and corporations.

Turner Construction

www.turnerconstruction.com

901 Main Street, 49th Floor (Bank of America Tower)
Dallas, Texas 75202
5/2001 through 10/2001 (*contract through Melior, Inc.*)

- Turner is the largest project construction company in the US with \$7 billion in annual revenues, a subsidiary of Hochtief AG, Germany, and consists of two headquarter locations (Dallas and New York), 45 regional offices, and ~150 construction sites, supporting a user base of 4,800 employees, and additional contract labor.
- Managed corporate IT Department as Assistant Director Technical Services; lead project as New Implementation Manager; redesigned entire new IT infrastructure for the enterprise.
- Conducted IT Management for existing infrastructure, created the design and wrote migration plans for enterprise-wide network and application infrastructure, including fully redundant internal and external networks on BGP4, two new external data centers, security architecture, WAN carrier selection criteria, balanced redundant DNS architecture, and various other tasks (such Digital Certificates/SSL implementation for subsidiary insurance business TCS RISK, web hosting migration for all corporate domain names, etc.). Completed several projects to link Turner to Hochtief AG.

CashEdge, Inc

www.cashedge.com

694 Tasman Drive,
Milpitas, California 95035 (8/2000 – 12/2000)

Vice President of Operations

- CashEdge was the first company to offer wholesale Internet money transfers and account aggregation, using proprietary, Java-beans based applications for account balance accumulation, consolidated balance preparation as well as ACH money transfers, and underlying risk-management modules.
- Built secure first-stage internet presence; planned second-stage, banking-grade secure internet site; primary technical contact for all customers [Yahoo Finance, Royal Bank of Canada (Toronto), Banque Laurentienne (Montreal), Lloyds of London, ADP, many others] and potential clients (large global banks, investment funds, complimenting e-finance services); hired, built and managed technical teams on a daily basis; designed internet presence / routing platform suitable for global high-traffic aggregation traffic, and managed several independent security audits.
- Developed and staffed Information Technology team; designed infrastructure and operations procedures for internal IT infrastructure to maintain offices in Silicon Valley and New York, including telecommunications, PBXs, customer service infrastructure and quality assurance teams in Silicon Valley and India (Chennai).

Internet Barter Inc.

www.bartertrust.com

303 Second Street, South Tower, Suite 200,
San Francisco, California 94107 (9/99 – 5/2000)

Thomas J. Ackermann

Chief Internet Architect - CIA (4/2000 – 5/2000)

Director of Operations & I.T. (9/1999 – 4/2000)

- Bartertrust.com was a global company, moving the traditional 1-on-1 bartering market (\$16 Billion in US, \$64 Billion worldwide in 1999) to a new level worldwide by introducing a virtual currency and facilitating the web for trades, which allowed a much greater number of business' to become beneficiaries. With a senior management team (which has been successful with previous start-ups), acquisitions within the US and globally, and huge investor interest, bartertrust.com was already the largest barter company in North America with a multi-million dollar revenue (after only 8 months since incorporation), and soon became the largest bartering company worldwide.
- Planned, built and scaled the internet presence, the build-out of the initial co-location in a local data center (the Globix facility, see also below, a data center which I previously built) from a 20x20 highly secured cage to an optional 40x40 presence per data center, managing a production team, a MIS team and a Telecom/Facilities team, system administration, hiring all technical personnel (Unix: Solaris, Linux & AIX / NT SysAdmins, Application Admins, Oracle DBAs), building a 7x24 NOC, and also vendor negotiations, all MIS including planning, build-out and managing data integration for the 16 initial and now more offices within and outside the US (including PBXs, VPNs, completely new infrastructure, PCs, servers, etc).

Affiliation Networks, Inc. (as of 8/2/99 Snowball, Inc.)

www.snowball.com

San Francisco, California (5/99 – 8/99)

Director of Computing

- Start-up Affiliation Networks was a spin-off from the print-based Imagine Media (Brisbane, California) to build a new company for their internet-based business. This was a content aggregation company based on the exclusive contribution from content providing affiliates, and operated web sites such as ign.com (one of the largest gaming sites), chickclick.com, powerstudents.com, insideguide.com, and various other target markets.
- Stabilized and documented the existing environment, planned and negotiated technical capabilities, SLAs, and price with several vendors for the scaling of the rapidly growing traffic (42 MB/s sustained, bursts up to 70 MB/s) by architecting two new data centers on East and West coasts, high-speed data replication between databases via ATM PVC, registering for an Autonomous System Number (ASN) to allow for load balancing and redundancy between new data centers, and outsourcing options for the traffic management/ BGP4 routing to stick to the core business of content aggregation; planned, researched and negotiated completely redundant storage solutions for the offices and data centers (including providing secure content publishing solution)
- Migrated affiliates onto a temporary hosting solution (theforce.net, largest StarWars site; and meccaworld.com), and developed a redundant hosting solution for up to 400 affiliates
- Planned and negotiated networks and phone systems (upgrades for SF office, temporary and new New York office, networking between PBXs), and private network connection via ATM PVC between offices (service bundling with ISP for cost efficiency), hired core technical staff, set up 7x24 NOC (also for support of up to 400 affiliates around the globe), centralized firewall administration for offices and data center backdoor access, VPN solution, and Certificate Server for easy user remote access, handled all regular MIS tasks

The California GLOBIX Corporation

www.globix.com

Santa Clara, California (11/98 - 5/99)

Acting General Manager (1/1999-4/1999),

Director Systems and Network Operations (11/1998-1/1999)

Thomas J. Ackermann

- As a subsidiary of New York's largest ISP (Globix), I built Globix's first state-of-the-art Super-POP data center on Mission College Blvd in Santa Clara, and administrated the \$20,000,000 budget, oversaw the construction process and internal (technical) build-out
- Built network architecture and local integration, fiber feeds and peering agreements, hired core technical and operational staff, planned and staffed 7x24 NOC coverage, built and staffed for professional services business model, which I developed for the company (applied to all Globix Super-POP data centers worldwide)
- Consulted clients on co-location/internet presence including: eBay, Zadu, Network Appliance, Lante, Kinetics/US Filter, Gadzooks Networks, and many others.
- Presented the data center and professional services model to many investors, thus contributing to the successful funding by venture capital and institutional investors in excess of \$600 million.

Melior Inc.

www.meliorinc.com

2974 Delta Fair Blvd, Suite 317

Antioch, California 94509 (active consulting 5/1998 – 11/1998; ongoing since 1996)

Principal Consultant and President

- Bank of America, Concord, California (6/1998 – 11/1998) during the merger with Nations Bank (national project for intrusion detection system; linked both banks together for the first time and resolved network connectivity issues between the banks; and various smaller projects)
- Brigade Solutions, San Francisco, California (design of international backbone/systems for service delivery in the US and India, as a concept presentation to Venture Capital Investors)
- MedWeb, San Francisco, California (implementation and management of WAN network/ISP services for Linux-based telemedicine/radiology solution; performed installations in Denver and Fort Collins, Colorado, Marin County, California, and remote installations in several locations in Italy)

CyberStar

www.cyberstar.com

A Loral Space and Communications Company
Mountain View, California (2/1998 - 4/1998)

Technical Advisor

- As the First Global Broadcast Service Provider (BSP) and sister company to Loral's satellite based phone service company, GlobalStar, start-up CyberStar provided multi-cast data delivery through conditional access capabilities via satellite technology.
- Consulted Fortune 100 corporate clients and partners on how to build a business case and implement geo-synchronous satellite broadband distribution techniques to compliment existing terrestrial networks to manage the project to completion (clients included IBM's broadcast division in Santa Monica, California; CompuCom in Dallas, Texas; start-up Zap-Me in San Ramon, California; CNN's Health Network; also during convention presence at NAB in Las Vegas and at MicroAge in Phoenix, Arizona; VideoSite, New York; Virtual Ventures, Hollywood, California; Phillips, Eindhoven, The Netherlands; International Image, Santa Barbara, California; Fantastic, Zurich, Switzerland; and many others).

Thomas J. Ackermann

Macromedia

San Francisco, California (1/1995 - 1/1998)

www.macromedia.com

IT Systems and Network Architect (9/1995 - 1/1998)

Manager IT Operations and Support (1/1995 - 9/1995)

Awards

- President's Award for Contribution to Shockwave Project, April 1996
- Distinguished Performance Stock Award for Internet Contribution

Web Site Launch (6/95)

ShockWave Launch (12/95)

- Designed and implemented entire infrastructure for Macromedia's Internet Presence (a site among the top five percent on the Internet according to Lycos; at that time), scaling public access to the site successfully from 100,000 initially to 500,000 page views and greater than 25 GB in FTP downloads per day.
- Installed DS-3 circuits for Internet connectivity on dual-redundant SONET Bay Area Ring to HQ building (MFS fiber circuit and in-house switch installed along Townsend Street for 4 blocks)
- Designed and managed installation of mirror sites in Europe and Japan, including bandwidth and performance assessment. These were the first international corporate mirror sites deployed on the internet (1995).
- Access and DMZ network design, hard- and software evaluation and selection for CSU/DSU, routers, Ethernet switches, WebServer, load balancing options and DNS server design, security design for DNS, email, firewall evaluation, performance testing (with subsequent firewall upgrades from packet filtering, TIS Gauntlet Application Gateway firewall, Sun's Checkpoint Firewall-1 and NTI, Cisco PIX Firewall).
- Designed and implemented HQ and branch offices' in-house data center, server structure (upgrade to centrally administered NetWare v4.1 OS) for servers in the domestic US and in international locations, UK, Japan and Australia, internal firewalls and network access security, rapid deployment of applications, such as Novell GroupWise (also worldwide), designed and implemented international private network, including Frame Relay connections to offices in Japan (Tokyo) and Europe (London).
- Authored, evaluated, and executed vendor bids on Request for Proposal (RFP) for all corporate Global Telecommunications, including all US-domestic and international (Europe, Asia, Australia) voice, public data (Internet), private data, video, cellular and calling card services, with special consideration of outsourcing options for Internet systems (co-location and co-hosting) and technical abilities (multiple routes using BGP4, bandwidth aggregation, NOC administration, peering relationships and management, bandwidth and service monitoring and reporting, local and global load balancing options within and between internationally deployed data centers and scalability options).
- Designed and implemented a global, multi-point video conference system connecting corporate offices in domestic and international locations through both private and public networks, offering scaleable multi-point conferencing and one-to-many broadcast functionality.
- Designed and implemented upgrades to the networked NorTel Meridian PBX systems (models 11, 21, 61c) for new and expanded offices.
- Received executive approval on designs for global remote data access for corporate users with analog, ISDN, and Frame Relay connections with centralized secure authentication, telecommuting options, data network upgrades for public and non-public systems, upgrades and evolution paths for

Thomas J. Ackermann

Internet systems to support electronic commerce, global support structure for vendor-monitored networks and data centers.

- Managed IT Operations staff and help desk with emphasis on team building within local offices and across teams based in different sites.
- Developed and maintained extensive vendor relationships with domestic and international companies.

Data Systems West (DSW)

www.dsw.net

Woodland Hills / Los Angeles, California (4/1994 - 12/1994)

Senior Systems Engineer

- Provided extensive consulting and implementation services for this network integration company based in the San Fernando Valley north of Los Angeles.
- Conducted Internet Seminars on evolving Web Technology; attendants included representatives from Disney, TransAmerica and Prudential Health Care.
- Presented for Eastman Kodak, representing AT&T and its GIS Division, introducing the Internet and the Worldwide Web to over 400 business owners at the Long Beach Conference Center.
- Installation of Macintosh-based SNA terminal access via Novell gateways and Novell GroupWise at Prudential Healthcare in Woodland Hills, providing online transparent interaction between email and calendar functions of the client-server GroupWise system and East Coast based IBM mainframes running VM Office systems for the entire division.
- Consulted the City of Burbank on deployment of citywide SONET rings to provide high-speed communications to the local movie studios.
- Novell and UNIX (SCO, HP, NEC) server and peripheral installations and upgrades for multiple clients throughout Los Angeles.
- Installation of the companies' first Web Server and browsers, online Novell MHS Email system, SMTP Gateway to MS Mail clients and corporate UseNet news server.

Thomas J. Ackermann

“support@tjack.com” (incorporated under this name January 1st, 1987)

Münster, Germany (1/1987 – 4/1994)

small branch office in Los Angeles, California (5/1989 – 4/1994)

Principal Consultant and President

- Consulted and subcontracted for Internet, Novell, and UNIX projects. Built highly profitable Professional Services business for national hard & software distributor, Software City GmbH.
- Complete infrastructure upgrade and ongoing IT operations management for Novell server environment at one of the largest German law firms and legal publishing house, Alpmann & Schmidt; evaluation and deployment of publishing systems, including replacement of proprietary system to Macintosh platform and in house pre-print RIP system. www.alpmann-schmidt.de
- Infrastructure, network and server development for new robot-library-based medical archive system (the first to digitize radiology data without information loss), including international component acquisition and integration, open systems integration and designs for online medical diagnosis and archive access systems, based on Sun, PC, UNIX and X-terminals (DMI and GMO). Worldwide solution presentation at Medica 1990. Today: www.gmo-online.com and a Melior, Inc. client.
- Online Internet access provider via UUCP, email and news access and local service provider 1987.-1994, continued by Melior, Inc. since 1994 from Silicon Valley & Dallas.

Eligibility to work in the US:

Permanent Resident since November 1997

(as an EU – German - citizen I am permitted to work anywhere in the European Union)

Other:

Texas CHL (SA)

Thomas J. Ackermann

EDUCATION:

Bachelor of Science (B.S.) in Systems Analysis

(H-1B Visa equivalency evaluation for the INS, 1994)

Westfälische Wilhelms Universität, Muenster / Germany:

- Economy and Macro-Economy (1983-1984)
- Law (1983-1989)

Taft University, School of Law, Irvine / CA

- Correspondence student (1987)
- First German to be approved by the California State Bar Association to be permitted for correspondence study for this program in special session (1987)

Management Trainee Course , Siegen and Nagold / Germany (1982-1983)

Gebrueder Hettlage GmbH & Ko KG, apparel retail chain with 25 retail stores in Germany

- Practical part of trainee program in the Siegen (near Frankfurt) /Germany store
- Formal part of trainee program at Landesfachschule fuer den Deutschen Textileinzelhandel ("*State School for German Textile Trade*"), at Nagold (near Stuttgart) / Germany

German Armed Forces Service ("Bundeswehr") 1981 – 1982

- Citizen's 11-months duty service [honorable early discharge to be able to participate in management trainee course (above)]
- Boot camp as Medic (Hamm / Germany)
- Served as the sole admin staff (Corporal) to the Doctor-General and staff of the 19th Tank & Infantry Brigade (Ahlen / Germany)

Gymnasium Paulinum, Muenster / Germany (1972-1981)

- German school model for university preparation
- Oldest continuously teaching school in Europe (founded and educating since 797)
- Finished with Degree "Abitur" (5/1981) permitting entry to any University in Germany

RELEVANT FORMAL TRAINING:

- Novell CNE, Certified NetWare Engineer (Germany, 1993)
- SCO ACE, Advanced Certified Engineer for SCO UNIX (Germany, 1994)
- Intel ISDN and Video Conferencing Course, Portland/Oregon (1994)
- Cisco Networkers Conference & Training, Dallas/Texas (1997)
- InterOp Networking Conference & ATM Training, Las Vegas, Nevada (1997)