

Jakov Zaidman

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Objective and Background

Build on 25+ years of experience and wide scope of expertise in many industries to help organizations achieve their business goals through the efficient utilization of advanced security and internetworking technologies.

Over the years, Jakov worked with most networking and network security technologies, undertaken challenging consulting projects with many private and public sector clients. Jakov combines technology expertise and business savvy and excels at working with customer's IT and business leaders to understand organization's unique business and technology challenges and translate these into cost-effective, supportable and scaleable technology solutions.

Jakov audited and documented many environments, and selected, designed, implemented and supported network and security solutions for organizations as large as hundreds of locations and thousands of users, working in a team with organization's management and IT personnel, assisting with knowledge transfer and assisting with building a self-sufficient IT support organization.

Professional Experience

1991 – Present

Security and Networking Consultant

Consulting engagements involving the design and implementation of Local and Wide Area Networks, VPNs, firewalls, Intrusion Protection systems and other Internet security solutions in medium and large organizations in both private and public sectors. Recent projects included:

- ◆ A 2-year engagement as the Lead Technical Architect for the Ontario Telemedicine Network (www.otn.ca) merger project. Reporting to OTN Executive Team and liaising with a team of business consultants, Ontario Ministry of Health and Canada Health Infoway to meet OTN and provincial/federal governments' objectives for the merger of three regional clinical/educational videoconferencing networks into a single uniform province-wide network. During the envisioning phase of the project, Jakov defined and extensively documented the architecture and scalable high level design, addressing all aspects of a uniform network, security and patient privacy, videoconferencing, telemedicine, scheduling application, hosting, virtualization and application servers, performance management, PACS integration, VoIP Telephony and Call Centre systems, as well as IT Service Management, and led the internal IT team through an evaluation, acceptance and planning process. During the implementation phase Jakov recruited and lead a team of 30 consultants, was responsible for a \$6mil technical implementation budget, and delivered on all business objectives in accordance with the envisioned architecture and within MOHLTC/CHI budget constraints; The initial span of this clinical VPN-secured network exceeded 600 sites with 1100 high-end videoconferencing systems, and a requirement to support a 35% annual expansion rate. The last phase of the project was to develop a strategy and architecture for the migration of OTN from a previous generation of SSHA MPN network to the new SSHA ONE wide area network. Jakov is continuing to work with OTN in a number of strategic initiatives, such as SSHA integration, long term network architecture and IT Service Management;
- ◆ For over 12 years (since 1995) as a contract consultant with T4G Limited, providing security and network consulting services to T4G and its clients on a multitude of security and networking projects, as well as design, implementation and support of T4G's shared hosting environment;

- ◆ Participate in Sears Canada PCI compliance project and provide security and networking expertise to assist with network segmentation and PCI server isolation;
- ◆ Designed and implemented a pandemic-readiness remote access solution to handle 20,000 concurrent user connections for one of the top Canadian banks. The solution was based on a SSL VPN technology deployed in two redundant datacenters with both local and multisite redundancy;
- ◆ Designed, implemented and managed network security at the 2004 Annual Microsoft Partner Conference in Toronto, supporting LAN and Internet connectivity and enforcing network perimeter security to protect thousands of conference workstations and personal attendee laptops;
- ◆ Designed, implemented and supported fully redundant network architecture and site security for the official provincial Tourism British Columbia and Tourism New Brunswick websites;
- ◆ Designed and implemented firewall security for www.hbc.ca (The Bay) shopping site
- ◆ Provided guidance for the implementation of remote VPN connectivity to over 1000 insurance brokers across Canada;
- ◆ Developed a strategy and managed an RFP process that resulted in \$3mil annual savings in telecommunications costs for an insurance company;
- ◆ Performed numerous network and security assessments, designs and implementations;
- ◆ Implemented and supporting well over 300 firewalls and VPN gateways with PKI-based gateway authentication for a number of customers;
- ◆ Since 1991 participated or lead multiple network migration projects for Ontario government networks with hundreds of sites and over 10,000 users from dumb terminals, to DECnet-over-X.25, to a mixed DECnet/IP network, to a pure IP network, and eventually managed the transition to a fully outsourced IP network and service provider.

1989 – 1991

Digital Equipment

Network Consultant (1990—1991)

- ◆ LAN and WAN design and implementation for major Digital's accounts.
Major projects included: design of a private Canada-wide X.25 network for Dominion Securities, reducing cost and improving performance while establishing Digital's Canadian network outsourcing infrastructure.

Senior Network Analyst (1989—1990)

- ◆ Support of the Canadian portion of DEC's private worldwide Easynet network, one of the largest private networks at the time. LAN and WAN design and implementation projects.
- ◆ Major projects included: upgrade of Canadian EasyNet facilities and implementation of DECdns (X.500 Distributed Naming Service) across Canada.

1984 - 1989

Intel Corporation

Data Communications Manager

- ◆ Design, implementation, management and on-going LAN and WAN support for a large semiconductor design and engineering facility.

Education

Electronics major, Bosmat Technical College, Israel
Numerous vendor technology courses in various areas of networking and security

Awards

Intel Employee of the Year Award in 1988

AREAS OF EXPERTISE

Network and Security

Extensive experience with a wide range of security and networking technologies, including:

- ◆ Firewalls and Intrusion Protection systems
- ◆ IPSec and SSL VPNs
- ◆ Endpoint security and network access control
- ◆ LAN and WAN networks, routers and switches, redundant networks
- ◆ Telco services—leased lines, MPLS, TLS, etc.
- ◆ ISP connectivity and datacenter co-location services
- ◆ TCP/IP protocols, routing, addressing, DNS, etc.
- ◆ Load balancing, SSL offload and application traffic compression, caching and optimization
- ◆ WAN and Application Delivery Acceleration (compression, caching & protocol optimization)
- ◆ Protocol analysis and application traffic debugging
- ◆ Converged multimedia (data, VoIP and Video) network design

Processes

- ◆ Security assessment and vulnerability testing
- ◆ Network and IT infrastructure assessment
- ◆ Short and long range business and technical analysis requirements
- ◆ Technology assessment, product review, evaluation and RFP process
- ◆ Disaster recovery and pandemic-preparedness planning
- ◆ High-level architectural and low-level detailed design
- ◆ On-going management, troubleshooting and incident response
- ◆ IT Service Management (ITSM)
- ◆ Documentation and training
- ◆ Privacy and security to comply with business, industry or legislated requirements

Vendors

Extensive experience with a wide range of security and networking products, including:

- ◆ Juniper NetScreen firewall, IPSec and SSL VPN
- ◆ Juniper WAN accelerators
- ◆ Cisco switches and routers, Foundry switches, 3Com switches, HP switches, etc.
- ◆ nCircle vulnerability assessment appliances
- ◆ Various protocol analyzers and network management tools
- ◆ Microsoft and Linux network environments, including Windows Server, Exchange and other backoffice server applications, as well as custom-developed .NET and Java environments