

DAVID A. PETERSON

Mr. Peterson was a senior consultant in Andersen Consulting's Network Solutions practice. He was affiliated with Technology Integration Services at Andersen's World Headquarters in Chicago. His areas of expertise while at Andersen included client/server networking architectures, local and wide area network analysis, design and installation, and microcomputer software development.

---- Client Engagements ----

Large State Government

Established data communications requirements for a state-wide network spanning several hundred offices. Coordinated design and proof-of-concept tests for the router-based WAN interconnecting Novell NetWare LANs. Developed operating system configurations for several different models of Cisco routers. Tested security functions of the routers, including an Internet firewall.

Large Mortgage Bank

Investigated "middleware" tools to support imaging- and workflow-based loan servicing system development. Investigation included market assessment and product trial in heterogeneous technical architecture. Examined products including System Strategies, Inc.'s ezBRIDGE Transact and MicroFocus's Application-to-Application Interface (AAI). Installed and tested AAI on PCs running Windows, an ES/9000 running VSE/CICS, and a SPARCcenter 2000 running Solaris 2.2.

Developed real-time messaging software that used AAI between PCs and the mainframe for the production workflow system. The messaging software abstracted functional developers from the details of both the LU6.2 protocol and the VSAM data file formats. Windows portions coded with a combination of Microsoft's Visual Basic and Visual C++ products. CICS portions coded in COBOL.

International Financial Services Company

Conducted WAN network planning project for the Investment Banking Division of this international financial services company. The primary objective of the project was to assess the applicability of emerging broadband WAN technologies and services to facilitate this client's systems architecture, which included distributed

applications, distributed data, X-Terminals, and LAN-to-LAN internetworking. The scope of this project included determining the client's business requirements, identifying the WAN's functional, technical, and service level requirements, and assessing emerging broadband WAN technologies (e.g. Frame Relay, SMDS, ATM) and the services through which the public carriers bring these technologies to market. In addition to recommending a near-term network architecture approach, the project team developed a long-term WAN strategy and implementation plan.

As a result of the near-term recommendations, assisted with WAN RFP development and distribution to six carriers. Assessed carriers' proposals and made recommendations for design, installation, and rollout. RFP included sites in U.S., Europe, and Pacific Rim.

Large Canadian Retailer

Reviewed technical architecture segments of information technology plan. Provided alternatives and recommendations for implementing messaging architecture to support a mobile sales force of 7000. Also identified network design considerations for alternative enterprise server platforms.

Large U.S. Consumer Products Manufacturer

Evaluated current local and wide area networks. Made recommendations to upgrade physical network infrastructure to intelligent hub and multiprotocol-based network. Conducted preliminary analysis of detailed design alternatives.

Proposed, cost justified, and implemented a network operating system conversion from DEC's Pathworks to Novell's NetWare v3.11. Simultaneously designed and implemented PC and LAN hardware and software configuration standards for community of approximately 500 PC users. Developed training guide and conducted training sessions on the new LAN-centric environment for users with diverse functional and technical backgrounds, application requirements, and business objectives.

Large Trust Bank

Installed and tested technical architecture for Andersen Consulting's client/server CASE tool, Foundation for Cooperative Processing (FCP).

Architecture components included OS/2-based communications gateways and application and database servers on a token ring NetWare LAN. Testing and performance benchmarking efforts focused on the LU6.2 sessions defined between the communications gateways and an MVS host running CICS. Also trained distributed application developers on the technical architecture and LU6.2/APPC.

Medical Products Manufacturer

Evaluated current physical network infrastructure. Explored systems and network architecture alternatives for the future information technology environment. Proposed systems included Unix-based RDBMS servers, specialized application servers, and an X Windows-based user interface.

Lingerie Retailer

Studied WAN and network management requirements. Created, distributed, and evaluated responses to an RFI for messaging software vendors. Designed migration plan for moving current WAN functions from an IBM MVS environment to a dedicated, LAN-based platform.

Major Fast Food Retailer

Maintained and enhanced LAN-based WAN management system. Converted network operating system from LAN Server to NetWare '386. Conducted cost/benefit analysis of various hardware upgrade alternatives. Identified security enhancement opportunities and potential solutions. Trained client personnel in network management technologies and procedures.

---- Internal Projects -----

Multimedia & "The Information Highway"

Contributed to initial plans for Andersen Consulting's initial role in helping clients prepare for the emerging confluence of computing, communications, and media. Focused on high-level network architectures required for delivering interactive multimedia to consumer markets. Also assessed near-term project to deliver video-on-demand.

External Marketing

Contributed to project proposals for a hospital, a real estate holding company, and a consumer goods conglomerate. These included presentations, workplans, and a technology assessment.

Internal Marketing

Prepared and coordinated presentation material for a semi-annual Network Solutions practice meeting. Also put together presentations to internally market the group through a firm-wide seminar.