

Telecommunications Industry Services

Data Sheet

Software Engineering Expertise

NETWORKING

- Network Protocols and interfaces (IP, TCP, UDP, ATM, Frame Relay, SONET, STREAMS, NAT, etc.)
- Routing and Switching (OSPF, MPLS, PVC, SVC, LMI, DS-x, OC-x, HSSI)
- Network Management (HTTP, SNMP, TL1)

HARDWARE INTERFACE SOFTWARE

- Device Drivers (network, serial, graphic, bus bridges, etc.)
- Firmware, FPGA
- Diagnostic and Bootstrap Software
- HAL's and BSP's

OPERATING SYSTEM AND KERNAL SUPPORT

- SVR4.x, BSD, Linux and MACH OS's, uni/multiprocessor
- RTOS (VxWorks, LynxOS, etc.)
- Filesystems, Memory Management, Process control, I/O
- Major Feature Enhancements
- Performance Tuning/Enhancements
- Custom API's
- HW Platform Migrations
- POSIX compliance/conformance

REHOSTING/PORTING/UPGRADING EXISTING SYSTEMS

- Rehosting applications to new hardware/OS platforms
- Upgrading software to support new systems, interfaces, connectivity, and devices
- Performance tuning to optimize throughput, response times and determinism
- Problem resolution at any stage from analysis/evaluation through final test and integration

SIMULATION

- Switch, router device simulation
- CLI, management, configuration
- Traffic and load simulation

Dot4, Inc. is a software engineering services firm that focuses on applications that require real-time, deterministic performance and a systems level expertise.

This document provides a brief overview of Dot4's ability to deliver software engineering services to clients in the Financial industry.



For additional information contact us via the information provided at the conclusion of this document or visit our web site at www.dot4.com

Telecomm Services Overview

The technology explosion in the telecommunication industry during 1990's is being felt everywhere. The advancement of optical switching, the movement of broadband devices into small businesses and homes, and birth of G2.5 and G3 wireless networks have all made a huge impact on the industry and created a drive for convergence.

Dot4 has a solid foundation of networking, switching, and routing experience. We are involved in projects at the OS level and with firmware, diagnostic, and bootstrap software on a daily basis.

A trusted partner like Dot4 can be a vital resource for managing the risks and volatility of the transitional economy. Our experience and professional engineering practices allow clients to reliably outsource crucial projects and tasks to Dot4, while avoiding the costs of permanent increases of internal staff. Dot4 frequently provides a combination of on-site and off-site support to best meet the needs of the client and the project.

Dot4 earns a place of trust with our telecommunication industry clients by:

- Striving to thoroughly understand the vendor's products and technology,
- Maintaining a stable engineering staff that retains the knowledge of, and experience with, a vendor's people, products and technology,
- Maintaining an engineering staff with an average experience level that exceeds 15 years of professional work with real-time and embedded technologies,
- Accepting and completing projects that are in distress, behind schedule, or ill defined,
- Adding specialized engineering skills to our staff for a difficult or unique project,
- Remaining flexible in meeting the needs of our clients as these needs evolve.

Dot4 also brings to our clients our expertise with the emerging application of simulation technologies to the needs of the telecommunication industry. Dot4 has experience developing device and network simulations for use in engineering, sales, marketing, and training environments.

Telecommunications Industry Clients

- LUCENT TECHNOLOGIES
- SYCAMORE NETWORKS
- OCTAVE COMMUNICATIONS
- INTERITEL
- BBN
- MOTOROLA
- MADGE NETWORKS

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