Overview
Calsoft Labs acts as extended engineering partner for equipment and software vendors in the Network and Information Security industry. Our customers in this area appreciate our deep domain knowledge in areas, cutting across information security, network security, identity and access management, data protection, encryption and cloud security. Calsoft Labs’ expertise and services add value to our clients’ business in not only the security product domain but also in a variety of converging technology products where integration of security features is critical.

Calsoft Labs’ Network Security Expertise

Firewalls, IDS, IPS
- Stateful Inspection Firewall, Network Processors or
- ASIC based Firewall Security Engines Firewall Integration with VPN, Antivirus, Endpoint Security IDS, IPS technologies
- Firewall Products expertise from SOHO/ROBO appliances to Multi-Gigabit core network or Data center security platforms
- Signature Based as well as Stateful and Adaptive Intrusion Detection and Prevention Technologies

Data Center Security, Access Control & DPI
- Application & Protocol Classification
- Traffic/Flow Identification Web App, VOIP, IPTV/Video, P2P, Gaming, Messaging, Email
- Policy Enforcement Forward, Divert Traffic, Apply QOS, Traffic Shaping Policies, Prioritize & Firewall Traffic
- Reporting & Monitoring Protocols Decode Report, Application Specific Reports, Security Attacks Reports, Logs

Wireless Security
- Wireless Network Scans and Detection of rogue devices and intruders
- Wireless Security Protocols, WEP, WPA, TKIP, EAP, LEAP, 802.11i
- Wireless Intrusion Prevention System (WIPS) Real-time Device Discovery, Connection Analysis, Traffic Analysis, Location Tracking, Automated Threat Detection and Alarm, Connection Termination
Endpoint Scan
- Endpoint Security Client/Agent, Clientless Endpoint Security
- Real time Analysis and Prevention, Security Policy Enforcement
- Application Check, Registry Control, Antivirus,
- Antispyware Status Checks.
- Real-time correlation at the agent and enterprise levels
- Endpoint Behavior analysis, Event Management
- Integration with Security Gateways, VPNs, Firewalls

VPN, Remote VPN
- IPSEC, IKE Protocol, SSL VPN
- Authentication  AAA -Radius, Diameter, PKI, EAP
- VPN Topologies, Mesh, Hub & Spoke, Remote Access

Email Security
- Email Inspection, Content Inspection and Filtering
- Encryption using TLS, S-MIME, PGP

Identity Management Enforcement
- Identity Management Product Expertise, Sun IDM, Oracle IDM
- Assessment/Architecture/Implementation/
  Integration/Deployment Services
- Single Sign-on, Access Policies, Authorization, Provisioning,
  Policy Management
- Identity Management Technologies  LDAP, SAML,
  Web2.0, Project Liberty Standards

Network Processor
- Packet Processing / Data Plane software Development
- Wire Speed Security Implementations
- Control Plane Software Interface
- Broadcom, Intel IXP, Marvell, Cavium Expertise
- Use Crypto Accelerator, Use NP Tree Search , Hashing
  Capabilities, Packet Processing Capabilities
- L2 Forwarding, IP Forwarding, Traffic Engineering,
  Deep Packet Inspection, High Availability Implementations

Case Studies

Access Control System for Cable Network
Calsoft Labs developed and tested a cable network access system for a major cable TV provider in US. This solution comprised of hardware and supporting software to control and monitor access to the cable Distribution Box. The system was successfully tested over cable network.

Network Firewall Development
Calsoft Labs helped a leading communication equipment manufacturer develop a network switched firewall. The firewall is a high-performance firewall system for network security. The system uses a versatile, multi-component approach to deliver unparalleled firewall processing power, reliability, and scalability.

Testing a VPN Gateway
Calsoft Labs carried out end-to-end testing of the VPN Gateway for a leading equipment vendor. The VPN Gateway is an SSL and IPSEC remote access security solution with flexible access options including browser based, on demand and installed SSL clients, and IPSEC client support.