

ConSentry LANShield Switches and Controllers provide extensive visibility into network activity and use, distinguishing and classifying hundreds of application protocols while allowing hundreds more to be defined. LANShield devices statefully monitor and track each network flow and visualize network traffic using a broad knowledgebase of auto-detection signatures, application content, port-hop tracking methods, and Layer 2 – 4 characteristics. This robust application protocol visibility, combined with LANShield policy services, allow enterprises unprecedented abilities to understand what is really going on in their networks, control the use of their networks and network resources, and ensure Quality of Service for their business critical applications and resources.

Internet

- America OnLine (AOL)
- Char Generator
- Daytime
- Discard
- Distributed.net
- Echo
- Google Earth
- Gopher
- iTunes
- HTTP
 - Alternate HTTP, HTTP
 - HTTP over SSL/TLS
- NetBIOS Name Svc (WINS)
- NNTP
 - NNTP
 - NNTP over SSL/TLS
- Quote of the Day
- Unix-to-Unix Copy (UUCP)
 - UUCP File Transfer
 - UUCP Path Service

eMail, Collaboration

- Biff (Unix Mail Notification)
- IMAP
 - IMAP, IMAP over SSL/TLS
- Lotus cc:Mail
- Lotus Notes
- Microsoft Exchange
 - MS Exchange Directory
 - MS Exchange Info Store
 - MS Exchange MTA
- POP
 - POP3, POP3 over SSL/TLS
- QuickMail
- SMTP
 - SMTP, SMTP over SSL/TLS

File Transfer & Services

- BOOTP
 - bootpc (client)
 - bootps (server)
- FTP
 - FTP - Control
 - FTP - Data
 - FTP over SSL/TLS - Ctl
 - FTP over SSL/TLS - Data
- IBM FileNet
 - FileNet NCH, RMI
 - FileNet RPC, TMS
- Microsoft NetBIOS
 - NetBIOS Datagram Svcs
 - NetBIOS Session Svcs
- Microsoft SMB/CIFS
- Mount
- NFS
- TFTP

Streaming Media

- Microsoft Media

- MS Media Control
- MS Streaming Payload
- Real-Time Streaming Protocol
- RTSP, Alternate-RTSP
 - RTSP RTP - Audio
 - RTSP RTP - Video
 - RTSP RTP - Data
 - RTSP RTP - Unassigned
 - RTSP RTP - Reserved
 - RTSP RTP - Unknown
- RealAudio
 - RealAudio (PNA) Streaming
 - RealAudio Data Transport
- Streamworks XING Mpeg
- VDOLive

Voice Over IP (VoIP)

- CU-SeeMe
- CU-SeeMe Control
- CU-SeeMe Audio
- H.323 VideoConferencing
 - H.323 RAS
 - H.323 RAS Discovery
 - Q.931 Call Setup
 - H.245 Call Controll
 - H.323 RTP - Audio
 - H.323 RTP - Video
 - H.323 RTP - Data
 - H.323 RTP - Encrypted
 - H.323 RTP - Non-Std
 - H.323 RTP - Null Data

- MGCP
 - MGCP Call Agent
 - MGCP Gateway

- NBX 3COM

- Net2Phone Control
- Real-Time Protocol
 - Real Time Control (RTCP)
 - Real Time Stream (RTP)

- SGCP

- SIP
 - SIP Session Control
 - SIP RTP - Audio
 - SIP RTP - Video
 - SIP RTP - Data
 - SIP RTP - Unassigned
 - SIP RTP - Reserved
 - SIP RTP - Unkown

- Cisco Skinny (SCCP)
 - Skinnny Control
 - Skinnny RTP - Audio
 - Skinnny RTP - Video
 - Skinnny RTP - Data
 - Skinnny RTP - Non-Std

- Skype over HTTP
- T.120 Whitboarding

Instant Messaging, Chat

- AOL IM (AIM)
- AIM Direct IM

- AIM File Transfer
- AIM Image Transfer
- AIM Svc - Classic/ICQ
- AIM Svc - Triton
- AIM Talk
- AIM Voice Chat

- Internet Relay Chat
 - IRC Protocol
 - IRC over SSL/TLS
 - IRC Utility

- Microsoft Messenger
 - MS Msgr Service
 - MS Msgr File Transfer
 - MS Msgr Voice

- NateOn IM (Korea)
 - NateOn Audio
 - NateOn Chat
 - NateOn Control
 - NateOn Dispatcher
 - NateOn File Transfer

- XMPP
 - Cli - Svr, Svr - Svr
 - Clear, Encrypted
 - Std, GoogleTalk, Jabber

- Yahoo! Messenger
 - Yahoo! IM Service
 - Yahoo! IM File Transfer
 - Yahoo! IM Phone
 - Yahoo! IM Voice
 - Yahoo! IM Webcam

Security/Authentication

- Authen Svc (rfc 1413)
- BSD rLogin (rfc 1282)
- Defense Network – 6 (DN6)
 - DN6 Token Map
 - DN6 Net Level Audit
 - DN6 Session Level Audit

- IPsec NAT Traverse (NAT-T)

- ISAKMP

- Kerberos
- Password Generator

- Radius
 - Radius Accounting
 - Radius Authentication

- Shell Protocol
 - Shell
 - Shell over SSL/TLS

- SOCKS Proxy Service
- Secure Shell (SSH)

- TACACS

- TACACS Login Service
- TACACS Database Service

Peer-to-Peer (P2P)

- appleJuice
- Ares Galaxy
- BitTorrent
- DirectConnect

- eDonkey/eMule
 - eDonkey
 - eDonkey Msg/Ping
- Gnutella/Gnutella2
 - Gnutella
 - Gnutella Router
- Hotline
 - Hotline Service
 - Hotline Locator
 - Hotline Server
 - Hotline Tracker
- Kazaa
 - Kazaa Control
 - Kazaa File Download
- Microsoft Groove
- OpenBird eDisk (Korea)
 - Chol DISKPOT
 - ezDrive.net
 - ... other File Sharing Svcs
- SoulSeek
- The Palace
- Unix Talk
 - Unix "ntalk"
 - Unix "talk"
- WinNY (Japan)

MS Windows, Windows Server

- MS Apple File Server
- MS ASP.net State Service
- MS Cluster Services
- MS LSSAS Catalog Server
- MS Message Queue Server
 - MS MQS Service
 - MS MQS Discovery
 - MS MQS Management
 - MS MQS Ping
- MS Operations Mgr 2000
 - MS Ops Mgr2000 clear
 - MS Ops Mgr2000 encryp
- MS Remote Install BINL
- MS-RPC/DCOM
 - MS-RPC Endpoint Mapper
 - MS-RPC Over HTTP
- MS System Mgmt Server
 - MS SMS Service
 - MS SMS Remote Chat
 - MS SMS Remote Control
 - MS SMS Remote Data
 - MS SMS Remote FTP
- MS SNA Server
 - MS SNA Server
 - MS SNA ServerBase

Database, ERP

dBase Unix
 Gupta SQLbase
 IBM DB2
 DB2 Service
 DB2 Connection Service
 DB2 Interrupte Service
 Ingres RDBMS
 Ingres Lock Service
 Ingres Network Service
 Microsoft SQL
 MS SQL Analysis Services
 MS SQL Monitor
 MS SQL OLAP Services
 MS SQL Server
 Oracle
 Oracle Coauthor
 Oracle Comm. Mgr
 Oracle Comm. Mgr Gateway
 Oracle EM1, EM2
 Oracle Names
 Oracle Remote DB (REMDB)
 Oracle TNS
 Oracle VP1, VP2
 SAP R/3
 SAP R/3 Application Server
 SAP R/3 Database Server
 SAP R/3 Gateway
 SAP R/3 Service Manager
 SunRPC
 DB Session Manager
 Sybase
 Sybase JDBC
 Sybase Anywhere (v5.x-)
 Sybase Anywhere (v6.x+)
 Sybase Tunneled TDS
 Sybase WebSQL

Games

Doom
 MSN Zone
 Quake
 Yahoo! Games

Directory

DHCP
 Domain Name Service (DNS)
 Finger
 Lightweight Directory Access
 LDAP
 LDAP over SSL/TLS
 MS Windows Browser Protocol
 Multicast DHCP (MADCAP)
 Simple Service Discovery
 SSDP Discovery
 SSDP Eventsy
 SunRPC
 NIS Yellow Pages
 Yellow Pages – Binding
 Yellow Pages – Server
 Yellow Pages - Update
 Yellow Pages - Transfer
 Unix "who"
 Whois++ (rfc 1835/1924)

Printing

HP JetDirect Print Service
 Line Printer (rfc 1179)

Client/Server

CVS PServer
 MATIP
 MATIP Type A
 MATIP Type B
 SunRPC
 PortMapper
 IBM 3270 Session Mapper
 RJE Session Mapper

Network Management

Backweb
 ConSentry InSight
 Server Visualization
 Server Management
 Client RMI
 Client RMI Registry
 ConSentry LANShield
 Endpoint Posture Verif.
 High Availability
 Captive Portal - HTTP
 Captive Portal - HTTPS
 ICMP
 Echo, Trace Route,
 Domain Name,
 ... *and other ICMP*
 Controls
 Network Time Protocol
 RSVP
 RSVP Encapsulation 1, 2
 RSVP Service
 RSVP Tunnel over UDP
 SunRPC
 rstat - Remote Statistics
 Simple Network Mgmt
 SNMP Server
 SNMP Trap Notifies
 Syslog
 Sysstat
 Time

Routing, Tunneling

Border G/W Protocol (BGP)
 Cisco Protocols
 Cisco FNATIVE (FNA)
 Cisco SYSMIAINT (SYS)
 Cisco TNATIVE (TNA)
 Layer 2 Tunneling (L2TP)
 Pt-Pt Tunneling (PPTP)

Thin Clients, Remote

Access
 Citrix
 Citrix ICA Server
 Citrix ICA Browser
 MS Remote Desktop/Term-
 Svr
 OpenWindows
 PC AnyWhere
 PC Anywhere Data
 PC Anywhere Statistics
 Telnet
 Telnet
 Telnet over SSL/TLS
 Timbuktu
 Timbuktu Access
 Timbuktu Server
 VNC
 X-Windows (X11)

Legacy

... 125+ Legacy TCP/UDP
 Application Protocols

For parties interested in the breadth of ConSentry's Legacy Application Protocols, the following summarizes this capability.

Legacy

Adv Network Sys Arch
 ANSA REX – Notify
 ANSA REX – Trader
 App Comm I/F (aci)
 AppleTalk
 aTalk - Echo
 aTalk- Name Binding
 aTalk - Routing Maint.
 aTalk - Unused 2/5/7/8
 aTalk –Zone Info
 Audio News – Multicast
 ACA Services (acas)
 ACR-NEMA Digital Imag
 AED 512 Emulation Svc
 ANSI z39-50 (rfc 1729)
 ATEXSSTR
 Banyan VINES over IP
 Berkeley rlogind + SPX auth
 Berkeley rshd + SPX auth
 Briton-Lee IDM
 Certificate Distribution Center
 Computer Assoc License Svr
 Coherent File Distribution
 Computer Lang 1 (cl-1)
 CompressNet
 CompressNet Process
 CompressNet Mgmt
 Comm Integrator (CI)
 Common Trace Facility
 CSNET Mailbox Name Svr
 DaynaChip Corporation
 Device Ctl Protocol (dcp)
 Digital Audit Daemon
 Directory Locator Svc
 DLS Service
 DLS Monitor
 Display Support Protocol
 DSP, DSP for 3270
 Distrib Ext Obj Store (deos)
 Dixie Directory Svc
 EMFIS Svc
 EMFIS Control
 EMFIS Data
 Encore Expedited RPC
 Gateway Access Ctl (gacp)
 Genesis Pt-to-Pt Trans Net
 Genrad Multiplexer
 Graphics Protocol (rfc 493) GSS
 X License Verification
 Hostname Server (rfc 953)
 Hosts2 Name Server
 Insignia SoftPC for Mac
 Intergraph RIS
 IBM System Resource Ctlr
 IMP Logical Addr Maint
 IPX Tunnel over IP
 ISI Graphics Language
 ISO L3/L4 Convergence
 ISO IP (rfc 1070)
 ISO TPO X.25 – TCP
 ISO TSAP - TCP
 Jargon
 Knowbot Info Svc(KIS)
 KIS Protocol
 Remote KIS

KNET/VM Cmd/Msg
 LOCUS Computing - PC I/F
 LOCUS - Connection Svr
 LOCUS - Mapping Svr
 MailQ Protocol
 McIDAS Data Tx Protocol
 Message Send Protocol
 Metagram Relay
 Micro Focus Cobol
 MIT Dover Spooler
 MIT ML Device
 MSG for National SW Works
 MSG - Authentication
 MSG - Interproc Comm
 Net PostScript Printer Svc
 Network Innov Multiplex
 Network Printing (NPP)
 Netix Msg Posting Protocol
 NextStep Window Server
 Nickname/WhoIs (rfc 954)
 NAMESERVER
 NAMP
 NETSC - dev
 NETSC - prod
 NI FTP
 NI MAIL
 NSFNET NSS Routing
 NSW User System FE Port
 Oracle SQL*NET
 OCBinder
 OCServer
 OSU Net Monitoring System
 PeerDirect Replication Sys
 Plus Five MUMPS
 Prospero Directory Service
 Private Protocols
 For any Dialout Svc
 For any File Svc
 For any Mail System
 For any Print Svc
 For any RJE Svc
 For any Terminal Access
 For any Terminal Link
 PCMail Server (rfc 1056)
 PROFILE Naming System
 Queued File Transport
 Remote Execution (exec)
 Remote Mail Checking
 Reserved (RSVD)
 Resource Location (rfc 887)
 Route Access Protocol (rap)
 Sirius Systems
 Spider Remote Monitoring
 Subnet Broadcast TFTP
 Survey Measurement
 Swift Remote Virtual File
 SEND
 SMAKYNET
 SNMP MUX (rfc 1227)
 SNA Gateway Access Svr
 SQL-NET
 SQL Services
 SQL Service for Oracle DB
 SU/MIT Telnet Gateway
 Tenex "link"
 Tivoli Object Dispatcher
 TAC News

TCP Port Svc Mux (rfc 1078)
 TI 914C/G Terminal
 3COM Terminal Svc Mux
 Unisys ARPs
 Universal Mgmt Architecture
 Unify
 Unisys Audit SITP
 Unisys Unitary Login
 Unauth Use - New Acct
 UAAC Protocol
 VET TCP
 VM Network
 VM Password Svc
 X Display Mgr Ctl Protocol
 XFER Utility
 XNS Protocols Over IP
 XNS Authentication
 XNS Clearinghouse
 XNS Courier RPC
 XNS Mail
 XNS Routing (RIP)
 XNS Time
 Xyplex Multiplexer