



Capsa Technical Specifications

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The specifications in this document are applicable to Colasoft Capsa 6.7 series, including Professional Edition and Enterprise Edition.

Operating Systems

Windows 2000 (SP 3 or later), Windows XP (SP 1 or later), Windows 2003 (SP 2 or later), Windows Vista and x64 Edition

Windows XP/2003 x64 Editions

System Requirements

Minimum

- PIII 500 CPU
- 256 MB RAM
- Windows 2000 (SP4 or later), Windows XP (SP1 or later), Windows 2003 (SP2 or later), Windows Vista and x64 Edition
- Internet Explorer 5.5

Recommended

- P4 CPU
- 512 MB RAM or more
- Windows 2000 (SP4 or later), Windows XP (SP1 or later), Windows 2003 (SP2 or later), Windows Vista and x64 Edition
- Internet Explorer 5.5 or higher

Supported Networks

Colasoft Capsa can monitor and analyze communications transmitted on Ethernet, Fast Ethernet or Gigabit Ethernet networks.

Capture Resources

- 100/1000 Mbps Ethernet adapters
- Loopback Interface (Windows 2000/XP)

Supported Protocols

Application	BGP, BOOTP, CIFS, DHCP, DNS, Finger, FTP, FTP Control, FTP Data, Gopher, H.323, HTTP, HTTPS, IMAP, IMAP3, IMAPS, LDAP, LDAPS, Mobile IP, MSN, NFS, NNTP, NTP, POP2, POP3, POP3s, HTTP Proxy, RLOGIN, RTSP, SLP, SMB, SMTP, SNMP, Telnet, TFTP, QQ, BitTorrent, SNMP Trap, SSDP, ICP, COPS, RTP, RTP Audio, RTP Video, RTP Audio & Video, RTP Dynamic, COPS, Tunnel, Echo, CMIP-Agent, CMIP-Man, SFTP, RAP, RLP, Radius, Radius-acct,
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	Radius-dynauth, eMule, PPLive, SShell, Kerberos, Citrix ICA, Time, Nameserver, Tacacs, Xns-time, JE, Discard, Systat, Qotd, MSP, Daytime, Msg-auth, Auditd, Ni-ftp, MPM, MPM-snd, Re-mail-ck, La-maint, XNS-ch, XNS-auth, XNS-mail, Tacacs-ds, Mit-ml-dev, CTF, NPP, DCP, Supdup, Swift-rvf, Tacnews, Mcidas, Pwdgen, Statsrv, Emfis-data, Emfis-cntl, HMP, PRM, RDP, IRTP, NETBLT, DCCP, IDPR, DDP, SDRP, IDRP, DSR, NARP, TLSP, PVP, SMP, PTP, CRTPT, CRUDP, PIPE, FC, SPS, SNP, ISO-TP4, SKIP, CFTP, Login, Who, Yahoo Messenger, X-Window, UMA, ISO-TPO, ISO-IP, BFTP, SGMP-traps, NAMP, Send, RIS, MPP, CDC, Http-mgmt, PIP, Rtsps, Pdap, NSRMP, RSVP_tunnel, IBM-app, SNPP, RCP, NMSP, IDFP, SCC Security, Submission, SMIP, XDAS, RAMP, ACNET, Sflow, CRIP, TRIP, Mnet-discovery, Rwhois, Citrix ICA, Rexec, Biff, RTP with VLC
Presentation	AFP, Datagram Service, Name Service, NCP, NetBIOS
Session	RPC, SAP, Session Service
Transport	H.225, RTCP, SSH, TCP, UDP, NetBEUI
Network	CGMP, EIGRP, EGP, GRE, ICMP, IPv6, ICMPv6, IGMP, IGRP, IP, IP Fragment, IPX, OSPF, PIM, RSVP, VRRP, RIP, RIPv1, RIPv2, RIPv3, RIPv4, GDP, HSRP, RSVP, Cisco-fna, Cisco-tna, Cisco-sys, GGP, EIGRP Hello, EIGRP Query, EIGRP Reply, EIGRP Update, SGMP, Password-chg, CFS, SCCP
Data Link	ARP, RARP, Ethernet II, Ethernet 802.2, Ethernet 802.3, Ethernet SNAP, PPPoE, STP, VLAN 802.1Q, XNS, AARP, MPLS, Windows NLB
Others	Kerberos, GTP, L2TP, LPD, MGCP, MSRDp, MSSQL, PPTP, RSH, RTELNET, SCTP, SQL, SIP, WhoIs, WINS, AH, ESP, PUP, CDP

Log Analysis

- Email messages analysis
- FTP transfers analysis
- HTTP requests analysis
- DNS queries analysis
- MSN activities
- AIM activities
- ICQ activities
- Yahoo Messenger Activities

Available Filters

- By physical address
- By IP address (including address range and subnet)
- By port (including port range and multiple ports)
- By protocol
- By packet value
- By packet size
- By packet pattern
- Advanced Boolean rules for complex filter formulas

Available Reports

- Summary statistics
- Diagnosis events
- Protocol statistics
- Top 10 physical addresses
- Top 10 IP addresses
- Top 10 local IP addresses
- Top 10 remote IP addresses

Timestamp

Colasoft Capsa captures and decodes packets in microsecond.

Available Decoders

- AH packet decoder
- ARP packet decoder
- BOOTP packet decoder
- COPS packet decoder
- CIFS packet decoder
- DHCP packet decoder
- DNS packet decoder
- EGP packet decoder
- ESP packet decoder
- Ethernet 802.2 frame decoder
- Ethernet 802.3 frame decoder
- Ethernet II frame decoder
- Ethernet SNAP frame decoder
- Finger packet decoder
- FTP Ctrl packet decoder
- FTP Data packet decoder
- Gopher packet decoder
- GRE packet decoder
- HSRP packet decoder
- HTTP packet decoder
- ICMP packet decoder
- ICMPv6 packet decoder
- ICP packet decoder
- IP packet decoder

- IPv6 packet decoder
- IPX packet decoder
- L2TP packet decoder
- LPD packet decoder
- MPLS packet decoder
- MSN packet decoder
- NetBIOS datagram service decoder
- NetBIOS name service decoder
- NetBIOS session service decoder
- NCP packet decoder
- OSPF decoder
- POP3 packet decoder
- PPP packet decoder
- PPP CHAP packet decoder
- PPP IPCP decoder
- PPP link control packet decoder
- PPP PAP decoder
- PPPoE discovery packet decoder
- PPPoE session packet decoder
- PPTP packet decoder
- QQ packet decoder
- RARP packet decoder
- RIPv1 decoder
- RIPv2 decoder
- RSVP packet decoder
- SAP packet decoder
- SCTP packet decoder
- SMB packet decoder
- SMTP packet decoder
- SPX packet decoder
- SSH packet decoder
- TCP packet decoder
- TELNET packet decoder
- TFTP decoder
- UDP packet decoder
- VLAN tag decoder
- VRRP packet decoder
- GGP packet decoder
- ISMP packet decoder
- IGRP packet decoder
- EIGRP packet decoder
- CDP packet decoder
- CGMP packet decoder

TCP Stream Reconstruction Formats

- ASCII
- EBCDIC

Supported Packet File Formats

- Colasoft Capsa native format (*.cscpkt)
- Colasoft Capsa previous format (*.cpf)
- Sniffer packet file format (*.cap)
- EtherPeek packet file format (*.pkt)
- TokenPeek packet file format (*.pkt)
- AiroPeek packet file format (*.pkt)
- Raw packet file format (*.rawpkt)
- Microsoft Network Monitor 2.x (*.cap)
- TCP DUMP File (*.dmp)