

TraceMagic Version History

Version / Date / Issue

TMv1.0.0	2001/11	TraceMagic's 1st release.
TMv1.1.0	2002/01	SpiderMagic Additional MAC Layer analysis. HostMagic Knowledgebase support for HostMagic reports.
TMv1.1.1	2002/02	HostMagic Multiple choice menu concerning statistics+tables.

TMv1.1.2	2002/02	SpiderMagic Bugs fixed in TCP/IP CSV report table.
TMv1.2.0	2002/02	SpiderMagic LLC analysis functions, including: LLC-2 COLS (Connection-Oriented Link Services) & LLC+SNA communication.
TMv1.2.1	2002/02	SpiderMagic Extended <u>SNA-over-LLC</u> analysis.
TMv1.2.2	2002/03	TraceMagic System Language Improved multi-language support.
TMv1.2.3	2002/03	SpiderMagic Bugs fixed in Token-Ring MAC analysis.
TMv1.2.4	2002/03	HostMagic New function: <u>DeviceDetection</u> . Bridges/switches, routers, servers (print servers, database servers, name servers, domain servers, etc.) are automatically detected and listed by MAC address, IP address, name, TCP/UDP port, service type.
TMv1.2.5	2002/03	Sniffer CAP Format

			Bugs fixed concerning Sniffer CAP format.
TMv1.3.0	2002/04	SpiderMagic WWW/HTTP analysis: all URL "GET/POST" requests & all HTTP server replies with all server status codes (e.g. 200="ok", 404="not found").	
TMv1.3.1	2002/04	SpiderMagic WWW/HTTP analysis enhancements: All common client requests covered: CONNECT, GET, HEAD, PUT, POST, DELETE, TRACE, OPTIONS.	
TMv1.3.2	2002/04	SpiderMagic Novell NetWare / NCP analysis: First steps to NCP analysis (NCP over IPX; NCP over IP-TCP). All NCP server replies with error codes as well as corresponding client requests are logged. HostMagic Enhancements of <u>DeviceDetection</u> function.	
TMv1.3.3 TMv1.3.4	2002/04	HostMagic + SpiderMagic Bugs in LLC/SNA analysis (SpiderMagic) and DeviceDetection (HostMagic) are fixed now.	
TMv1.3.5	2002/05	Frame Slice Errors / Buffer Size Errors If packets were *not* saved completely during capturing because of packet buffer size limitation	

		<p>(configured in the LAN analyzer) certain errors could occur during analysis. HostMagic's name tables could have been corrupted due to the fact of sliced LAN packets. All of these errors due to buffer size limitations are fixed now. Please note: We strongly recommend to capture LAN packets without online filters as well as without any packet buffer size limitation (which causes captured packets being sliced). Please read further information regarding this topic during TraceMagic initialization.</p>
TMv1.3.6	2002/05	<p>SpiderMagic Enhancements of NCP packet decoding.</p>
TMv1.4.0	2002/06	<p>TraceSupport FDDI support: Sniffer/DOS, SnifferPro, Surveyor, TcpDump, Observer. HostMagic / TCP-UDP PortStatistics TCP/UDP port statistics: bi-directional application metering including session events & errors (TCP-SYN, TCP-FIN, TCP-RST etc.). Options: A: over-all statistics. B: router-related statistics. WAN link throughput related to specified routers (single stand-alone routers and/or redundant HSRP routers).</p>

TMv1.4.3	2002/06	<p>TCP-UDP PortStatistics: HostMagic + SpiderMagic</p> <p>The PortStatistics module is fully integrated with the HostMagic/SingleHosts module as well as the SpiderMagic/TCP-IP module. It is no longer necessary to run PortStatistics separately.</p> <p>DeviceDetection / HostMagic:</p> <p>The DeviceDetection module is fully integrated with HostMagic/SingleHosts. It is no longer necessary to run DeviceDetection separately.</p> <p>Frame Slice Errors / Buffer Size Errors</p> <p>DNS and SMB packet decoding could cause program errors in case of sliced frames = in case of limited frame buffer size. This error was recognized with frame buffers limited to 100 octets. This is fixed now. We suggest to read our capture recommendations (TraceMagic "?" help menu).</p> <p>ADMIN: user administration</p> <p>Now the user administration has been implemented. The ADMIN user can create/enable/disable user accounts. Only the ADMIN user is allowed to perform database or user administration.</p>
TMv1.4.4	2002/06	<p>SpiderMagic / Layer7 = Application</p> <p>All application analysis functions can be run simultaneously, with or without TCP/IP analysis</p>

			<p>functions.</p> <p>SpiderMagic / Name Services</p> <p>Name service protocols (DNS, WINS, NetBIOS over UDP-138) and others (BOOTP/DHCP) are now part of SpiderMagic analysis.</p>
TMv1.4.5	2002/06		<p>SpiderMagic / Layer1=MAC</p> <p>Additional MAC layer analysis functions: MAC address errors; FDDI non-LLC frames (SMT,NIF,etc).</p>
TMv1.4.6	2002/06		<p>SpiderMagic / Layer7=ORACLE-TNS</p> <p>New application support: Oracle TNS (Transparent Network Substrate) via TCP Port 1521.</p>
TMv2.0.0	2002/07		<p>TraceMagic Version 2.0.0 released.</p>
TMv2.0.2	2002/07		<p>SpiderMagic / TCP-IP</p> <p>Bug fixed in TCP statistics: The TCP ReTx counter for retransmitted bytes had been incremented in case of IP local looped packets. This is fixed now.</p> <p>TraceEvents / Knowledgebase</p> <p>Some TCP event items changed within the TraceEvent knowledgebase.</p> <p>Note in case of update:</p> <p>Therefore, former database tables are incompatible</p>

TMv2.1.0	2002/08	<p>to TMv2.0.2. In case of update the program will not be able to read certain database tables that had been created formerly.</p>
		<p>Trace:Statistics / Trace:Reports</p> <p>The Trace:Statistics database had been improved significantly.</p> <p>TCP/IP analysis is (nearly) completely covered by database tables.</p> <p>SMB file service analysis is now supported by the database as well.</p> <p>This allows sophisticated data retrieval, analysis, and navigation.</p> <p><u>This means:</u></p> <p>TCP/IP and SMB analysis is now strongly supported by the power of the Trace:Magic database. Multiple charts give additional information.</p> <p>This kind of LAN analysis is a major breakthrough !</p> <p>Fully covered by the Trace:Magic knowledgebase, TCP/IP analysis is much more easier then ever before.</p> <p>Trace:Magic database</p> <p>Some database tables had been re-designed.</p> <p>Note in case of update:</p> <p>Therefore, former database tables are incompatible to TMv2.1.0. In case of update the program will not be able to read certain database tables that had been created formerly.</p>
TMv2.1.4 TMv2.1.5	2002/08	<p>BugFix</p> <p>Certain minor bugs fixed that came with TMv210.</p>

<p>TMv2.2.0 TMv2.2.1 TMv2.2.2 TMv2.2.3</p>	<p>2002/09</p>	<p>Event Log Files: TM.HIT.FRAMES.*.LOG_(*)__.TXT</p> <p>Not only protocol-based event log files are supported (as known before), but user-defined event log files as well.</p> <p>Similar to well-known Unix "grep" command, text strings can be used as filter patterns in order to create user-defined event log files.</p>
<p>TMv2.3.0 TMv2.3.1 TMv2.3.2 TMv2.3.5</p>	<p>2002/09</p>	<p>Trace:Magic -> Report:Viewer (TraceMagic VIEWER)</p> <p>This module allows to view any analysis report including [1] EVENT LOGS (TM.HIT.FRAMES.*.LOG.TXT) as well as [2] database statistics (TM.DB.*).</p> <p>Even report distribution via CD-ROM does not limit the usage of TraceMagic reports, statistics, and databases.</p> <p>Again, this is a major breakthrough in LAN analysis regarding the organization of report distribution.</p> <p>Shared knowledge helps to minimize network downtimes!</p>
<p>TMv2.4.0 TMv2.4.1 TMv2.4.2</p>	<p>2002/09</p>	<p>SpiderMagic -> Application Analysis</p> <p>File Reconstruction ("rc.files"):</p> <p>TraceMagic reconstructs the content of files transferred from server to client.</p> <p>Especially .BAT/.CMD/.POL activities can be checked perfectly, now:</p> <p>Any client's "open file" request (SMB,NCP) based on script commands (.BAT, .CMD, etc.) can be recognized as such.</p>

		<p>All events are logged to TraceMagic's event log files, and file reconstruction is done in a separate report subdirectory ("rc.files").</p> <p>Special note / benefits:</p> <p>This new feature has *never* been seen with other LAN analyzer software before.</p> <p>It enables users to check login problems during the client PC's boot phase.</p>
<p>TMv2.5.0</p>	<p>2002/10</p>	<p>TraceMagic REPORT VIEWER</p> <p>With this additional program, any recipient of TraceMagic a report database can VIEW the analysis statistics including object-related knowledgebase queries. Analysis data are now accessible in full database format including special database queries in order to gather ...</p> <ul style="list-style-type: none"> ... host-related information, ... error-related information, ... protocol-related information, ... application-related information. <p>Remark:</p> <p>Again, this is a *major breakthrough* in LAN analysis. High-end analysis can be viewed using this license-free report viewer, using full database power, table queries, chart presentations, and knowledgebase comments.</p>
<p>TMv2.6.0 TMv2.6.1 TMv2.6.2 TMv2.6.3 TMv2.6.4 TMv2.6.5 TMv2.6.6</p>	<p>2002/10</p>	<p>TraceMagic License Scheme:</p> <p>"TraceMagic Light"</p> <p>"TraceMagic Professional"</p> <p>The license scheme has changed:</p> <p>"TraceMagic Light"</p>

		<p>This is a low-cost program version. Some special features are *not* available with the "light" version: Trace:Filter; FilterMagic; User:Administration; Trace:Anonymizer. Small companies often have small and simple networks; advanced features like User:Administration are not needed.</p> <p>"TraceMagic Professional"</p> <p>The "professional" version supports *all* functions and features. This is the full-price license.</p>
<p>TMv2.7.0 TMv2.7.1 TMv2.7.2</p>	<p>2002/11 2002/12</p>	<p>Bugs Fixed</p> <p>Some bugs had been fixed.</p> <p>First of all, an error that comes with Observer files was fixed: Sometimes trace files created by the Observer analyzer have certain wrong information concerning the frame size. TraceMagic now recognizes the problem and gets around with it in a fault-tolerant way.</p>
<p>TMv3.0.0 ... TMv3.0.2</p>	<p>2003/02</p>	<p>SpiderMagic / MAC -> BPDU (Spanning Tree)</p> <p>SpiderMagic now offers analysis of BPDU packets (Bridge Protocol Data Unit, the bridge notification packets related to the Spanning Tree Algorithm). Root bridge ID conflicts, root bridge changes, root</p>

bridge priority conflicts, topology changes, MAC address errors etc. are detected automatically. Reports contain lists of all BPDU bridges, values, and settings.

(This implementation does not reflect multiple VLANs, yet.)

SpiderMagic / VoIP (Voice over IP)

Analysis of VoIP communication via RTP (Real Time Protocol) Type 18 (Audio,G729) and via RTCP (Real Time Control Protocol).

SpiderMagic / Kerberos (Windows 2000)

Kerberos dialogs are covered by simple packet decodings in the event log file (TM.HIT.FRAMES.*.LOG.TXT). Due to the fact that Kerberos authentication data are encrypted, nothing more could be done.

SpiderMagic / SNMP (UDP Ports 161,162)

SpiderMagic supports simple SNMP packet decoding including the request/reply command ("GET", "GET NEXT", "SET", Trap) as well as community string ("public", "private", etc.).

SpiderMagic / Layer 7 / SMB Access Failure / Mailslot-Browse

SMB decoding and analysis had been improved significantly.

The "SMB Denied Resources" table now also covers authentication/authorization failures as well as UNC access failures.

		<p>The SMB \MAILSLOT\BROWSE command is now simply decoded within event log file TM.HIT.FRAMES.*.LOG.TXT .</p> <p>SpiderMagic / Router Exchange Protocols (UDP Ports 520,1985: IP-RIP, HSRP)</p> <p>SpiderMagic supports simple packet decoding concerning the following router exchange protocols: IP-RIP (UDP Port 520); Cisco-HSRP (UDP Port 1985).</p> <p>SpiderMagic / HTML reports</p> <p>SpiderMagic reports are now generated in HTML format automatically as well. All database tables and event logs are transformed into HTML format and part of fully indexed HTML project.</p> <p>SpiderMagic + HostMagic Event log conversion -> HTML format</p> <p>SpiderMagic and HostMagic event logs can be converted into HTML format. Certain events (text patterns) can be set to various colors in order to highlight events of interest.</p>
<p>TMv3.1.0 ... TMv3.1.3</p>	<p>2003/03</p>	<p>SpiderMagic + HostMagic: Better protocol decodes</p> <p>BOOTP/DHCP as well as TCP/IP have better frame decodes now within the event log files:</p> <p>IP protocol IDs are resolved.</p> <p>TCP port numbers are resolved.</p> <p>BOOTP/DHCP most common parameters are resolved in multi-line event log format.</p> <p>New Trace File Format: NetMon (Network Monitor, Microsoft)</p> <p>Now the capture files from MS-NetMon are supported</p>

			(v1.2, v2.0). Please note that NetMon is not able to write sequential trace files to hard disk automatically.
TMv3.1.4	2003/04		<p>New Trace File Format: Domino (Acterna / Wavetech-Wandel-Goltermann) Now the capture files from Acterna-Domino are supported.</p>
TMv3.2.0	2003/04		<p>SpiderMagic: Enhanced IP-TCP-DHCP analysis TCP: Various special TCP events are now detected and reported: Lost or ignored TCP-ACK before TCP-ReTx; one-way traffic from/to IP hosts (only Rx, only Tx). DHCP: DHCP parameters sent from DHCP server to DHCP client are reported in output file TM.SM.SpiderMagic.TABLES.~IP~~.TXT (IP host section). IP Hosts: If IP hosts reside locally in LAN or remotely in WAN is reported in output file TM.SM.SpiderMagic.TABLES.~IP~~.TXT (IP host section).</p>
TMv3.2.2	2003/05		<p>SpiderMagic: RC.FILES: Script Follow-Up: bug fixed.</p>
TMv3.2.3	2003/05		<p>TraceChopper: Large TcpDump trace files with more than 250 000 LAN frames can now be chopped as well.</p>
TMv3.2.4	2003/05		<p>SpiderMagic / SMB: SMB: OS/2 function codes being added to SMB decodes. SpiderMagic / rc.files: Enhanced representation of reconstructed binary</p>

			data.
TMv3.2.5	2003/05	SpiderMagic / SMB: SMB: File search function codes being added to SMB decodes.	
TMv3.2.6	2003/06	SpiderMagic / Voice-over-IP: VoIP: G711-over-RTP is covered now as well (former versions of TraceMagic only supported G729-over-RTP).	
TMv3.3.0	2003/07	HostMagic / SpiderMagic: Auto-Start: As soon as any trace files have been selected for analysis, TraceMagic offers auto-start of HostMagic+SpiderMagic analysis process (with default settings). The "Auto-Start" option has to be set to ON within the SysConfig menu.	
TMv3.3.1 ... TMv3.3.6	2003/07	SpiderMagic: SMB: Enhanced error decodes (file access failures); enhanced database query capabilities (database filters, event log filters).	
TMv3.4.0 ... TMv3.4.3	2003/07	HostMagic: <u>WINS:</u> Enhanced statistics in result tables (operation codes 0,5,6,8: WINS query, WINS registration, WINS refresh, WINS release). <u>DNS:</u> Enhanced statistics in result tables (operation codes 0,5: DNS query, DNS update/registration).	
TMv3.4.4	2003/08	Trace Support: In Sniffer v4 family, different trace file formats exist;	

			<p>a bug concerning this was fixed now.</p> <p>Fixed bugs / enhanced decodes: Bugs have been eliminated / decodes have been enhanced ... concerning: memory management; DHCP, NCP, SMB, SNMP.</p>
TMv3.4.5	2003/08		<p>Fixed bugs: HostMagic/HostPairs: An irrelevant file error message occurred while starting the HostPairs process. This bug is fixed now. HostMagic/SpiderMagic: DHCP displayed "requested IP address" always as "0.0.0.0" even if the client requested its normal IP address. This bug is fixed now.</p>
TMv3.4.6	2003/08		<p>Report VIEWER: All database tables are related to the TraceEvents/ReportFilter function: IP addresses as well as SMB resource names are passed over to the ReportFilter menu automatically. Additionally, the TraceEvents/Knowledgebase can be started from any TraceStatistics database table. This allows users to check any statistical item by filtering the TraceMagic event log files.</p>
TMv3.4.7	2003/08		<p>FindMagic: Database tables were not displayed, search patterns could not be created, managed, or used. This bug is fixed now.</p>
TMv3.4.8 TMv3.4.9	2003/08		<p>Fixed bugs: Various small bugs have been fixed. <u>Trace Support:</u> Sometimes Sniffer .CAP traces were not processed properly due to buffer wrap (ring buffer) capturing. This is fixed now.</p>

		<p>SpiderMagic/TraceStatistics: Sometime the broadcast address IP=255.255.255.255 had multiple entries in the database table [4]. This is fixed now.</p> <p>HostMagic/DeviceDeteccion: In case of many different routers sending OSPF packets (or similar) table overflow could occur. This is fixed now.</p> <p>Decodes/DHCP: Some non-DHCP frames were displayed as DHCP frames. This is fixed now.</p> <p>Decodes/SMB: Some non-IP SMB frames were not processed properly. This is fixed now.</p>
TMv3.5.0	2003/09	<p>HostMagic/SpiderMagic - Event Log: Decodes/DHCP: The event log now creates a separate sub-log with DHCP decodes. DHCP packets via router(s) are explicitly resolved.</p> <p>HTML Color Settings - Event Log: Former versions could only support up to 4 text patterns being colored in HTML reports. No up to 64 text patterns can be colored in HTML reports (16 colors available).</p>
TMv3.5.1	2003/09	<p>HostMagic / WINS WINS refresh/release packets had been logged with wrong IP addresses (i.e. "0.0.0.6" or similar). This is fixed now.</p> <p>TraceAnon / Report Anonymizer The Trace:Anon module is now able to anonymize report projects completely including .TXT / .CSV / .HTML / .DB (database tables with TraceStatistics).</p>
TMv3.5.2 TMv3.5.3	2003/09	<p>Fixed bugs: The Report Viewer module had exception errors at program termination. This is fixed now. Some other minor bugs are fixed as well.</p>

TMv3.5.4	2003/10	<p>SpiderMagic: IP: The "IP header duplicated" scenario is divided into three event/error classes. ICMP: New abilities can detect routing errors by comparing local and remote IP subnet addresses in case of specific ICMP messages. OSPF: The Open Shortest Path First protocol is implemented, now. RRRP: The Virtual Router Redundancy Protocol is implemented, now. WINS: The denial-of-registration has enhanced event log notifications, now. TraceEvents / Knowledgebase: The knowledgebase has been changed. Please import the new knowledgebase source file: TM.DB.EXPORT.EVENTS.ENG_2003-10-03_19-00-00_.TXT TM.DB.EXPORT.EVENTS.GER_2003-10-03_19-00-00_.TXT</p>
TMv3.5.5	2003/10	<p>TraceSupport: EtherPeek NX v2.1 comes with a new trace file format. This is new format is supported now. ReportFilter / Event Log Filter: It could happen that not all text lines that hit the filter pattern(s) were recognized and copied to the resulting (filtered) report file. This should be fixed now. SpiderMagic / rc.files: Extended reports concerning "reconstructed files": The HTML report project no covers the rc.files (event log, file list).</p>
TMv3.6.0	2003/10	<p>[DEMO_LEVEL] -> PASSWORD Being accepted by more and more users, many networks "out there" had been troubleshot just by using TraceMagic in demo mode (DEMO_LEVEL). From now on, demo users have to ask their reseller</p>

TMv3.6.1	2003/11	<p>for a demo password in order to test TraceMagic in demo mode.</p> <p>SpiderMagic / HostMagic / Protocols: Protocol decodes enhanced or new: > Intel ANS Probe (EtherType 0x886D). > ARP Request/Reply. > Cisco HSRP. TraceEvents / Event Log: New event logs have been implemented: > MAC (and MAC related events). > Routing/Layer3 (and related events). These event logs enable users to detect relationships between network events being caused by different protocols respectively happening on different network layers. Fixed bugs: TMv360 created event log messages as follows: "IP Hdr.Dupl./ID twice or more". These were wrong messages. This is fixed now.</p>
TMv3.6.2	2003/11	<p>SpiderMagic: <u>Layer_7/Application</u>: SMB did not cover CreateFile(), RenameFile(), WriteFile() operations. These functions have been added now. <u>Layer_3 / Routing</u>: Added / revisited / updated: VRRP (Virtual Redundancy Router Protocol), OSPF (Open Shortest Path First), Cisco_Discovery, Cisco_EIGRP (Enhanced Interior Gateway Protocol), Cisco_HSRP (Hot Standby Router Protocol). <u>Trace:Events/Event Log</u>: New logs with MAC information as well as layer-3-related information are provided now (titled [MAC] and [L3/R] meaning "Media Access Control" and "Layer 3 / Routing").</p>

TMv3.6.3	2003/11	<p>Trace:Events / Event Log: MAC/IP event log entries have been re-formatted in order to give better overview. At first sight, this seems to be a minor step to better analysis; but in fact these changes let users work more easily with the information provided by TraceMagic's event log.</p>
TMv3.6.4	2003/11	<p>SpiderMagic / TCP: TCP analysis can be slow if many HTTP sessions use many different TCP ports (this is normally the case). Therefore, HTTP ports can be EXcluded from TCP retransmission analysis. If this option shall be set, TCP analysis must be started manually (not automatically via "Auto-Start" function). Fixed Bugs: TCP keep-alive packets (session acknowledgement via garbage byte) had been logged with wrong TCP port numbers. (In fact, the TCP port numbers of the previous packets had been logged.) This is fixed now.</p>
TMv3.6.5	2003/12	<p>SpiderMagic / HostMagic / Routing: <u>Layer_3 / Routing:</u> Revisited / updated: Cisco_Discovery, Cisco_HSRP (Hot Standby Router Protocol). Trace:Support Observer v9: The new trace file format of Observer's version 9 is supported now.</p>
TMv3.7.0 TMv3.7.1	2004/02 2004/03	<p>System Resources: System File Record: TraceMagic v3.6.5 could only manage up to 2048 files (trace files, report files) in preparation of TraceHistory database tables. This limit has been extended to 4096 files. Additionally, TraceMagic stops creating protocol-specific event log</p>

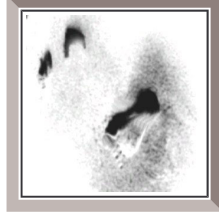
		<p>files in case that 100 trace files (or more) had been processed after certain time.</p> <p>HostMagic / SpiderMagic:</p> <p>DNS: In case of multiple IP addresses (not only a single IP address as usual) being returned from the DNS server to the DNS client, TraceMagic possibly ignored all of them. This is fixed now.</p> <p>Trace Support:</p> <p>The *.ADC trace file format (AppDancer, ClearSight) is supported now as well.</p> <p>Analysis Speed / Performance:</p> <p>TCP/IP analysis could have been very slow since TMv36x. This is fixed now.</p>
TMv3.7.2 TMv3.7.3 TMv3.7.4	2004/03	<p>Trace Report / Event Log Filter:</p> <p>Until now, filter hits only covered a single event log line. Since TMv372, complete multi-line events are covered as soon as a single event log line (out of multiple lines related to the same event) hits the filter criteria(s).</p> <p>Additionally, some other minor enhancements make it more easy to work with the event log filter(s).</p>
TMv3.7.5	2004/05	<p>Fixed Bugs:</p> <p>Some bugs concerning TCP retransmission analysis has been fixed.</p>
TMv3.7.6	2004/06	<p>Fixed Bugs:</p> <p>New created trace files (TM.HIT.FRAMES.*.PKT etc) were corrupted and could not be read; this is fixed now.</p>

TMv4	2004	ADVANCED ANALYSIS POWER		
TMv4.0.0	2004/05	<p>A wide range of new functions and abilities are available with TMv4.</p> <p>First of all, the so-called analysis profiles are nothing less than a revolution of LAN analysis.</p> <p>TraceMagic performs automatically multiple analysis processes over multiple trace directories using multiple user-defined analysis profiles (different profiles per each single trace directory).</p> <p>Fully automated and user-defined analysis of hundreds of LAN trace files - you can't find it elsewhere.</p>		
	(1)	Classical UNIX services will be covered by TMv4 by providing simple protocol decodes: FTP, TELNET, SMTP, POP3, PMAP, MOUNT, NFS, LPR etc.		
	(2)	Until TMv3: all IP statistics only cover Tx direction (statistics related to sender's IP address). TMv4 will provide Rx direction statistics as well (statistics related to receiver's IP address).		
	(3)	SpiderMagic / rc.files:		

			<p>The rc.files function ("reconstructed files", "run command files") will provide users with a new menu giving access to all rc.files and all related information.</p>
	(4)		<p>SpiderMagic / HostView: A new reporting and information function gives access to host-related information and classification (error status, who-is-who etc.). Since TMv3 only checks event log entries related to protocol names (or network layers), TMv4 checks event log entries related to individual IP hosts as well. This is a true major step forward, especially helpful for service providers who do troubleshooting jobs at customer's site, being under pressure to detect: who's who?, who's right?, who's wrong?</p>
	(5)		<p>Trace Support: LAN packets including VLAN tags (referring to IEEE 802.1q standard) are supported by TMv4 now.</p>
	(6)		<p>AnalysisProfiles: TMv4 allows to save current configuration settings in so-called "Analysis:Profiles". This profiles may be re-loaded later at any time. Starting analysis doesn't mean to start HostMagic/SpiderMagic manually any more; instead of this, profiles are selected und started.</p>
	(7)		<p>HostMagic / SpiderMagic : DNS analysis is strongly extended. Address and/or name conflicts are detected as well as other name/address resolution errors (e.g. file search over DNS; search for illegal top level domains; internal server error; etc.).</p>

	(8)	<p>User Administration / User Login: Passwords are hidden during login.</p>
TMv4.0.1 : TMv4.0.4	2004/05	<p>Fixed bugs: Minor bugs fixed.</p>
TMv4.0.5	2004/06	<p>SpiderMagic: IP Packet Sort Error (IP packets out of sequence): This function has been enhanced for significant better results.</p>
TMv4.0.6 TMv4.0.7	2004/06	<p>Fixed Bugs: New created trace files (TM.HIT.FRAMES.*.PKT etc) were corrupted and could not be read; this is fixed now. RC.FILES menu could not be opened after analysis; this is fixed now. IP-HELPER control partly suppressed DHCP event log decoding; this is fixed now. SpiderMagic: Oracle simple packet decoding (event log) has been improved, now including Oracle error message "ORA-01403: no data found". TreeView Statistics: DNS statistics now also cover "routing denied" events (router/firewall denies forwarding of DNS</p>

SYNAPSE NETWORKS



TraceMagic
Offline LAN Analysis Expert System

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