



EXCELLENCE THROUGH SPECIALIZATION

ETI Group.com

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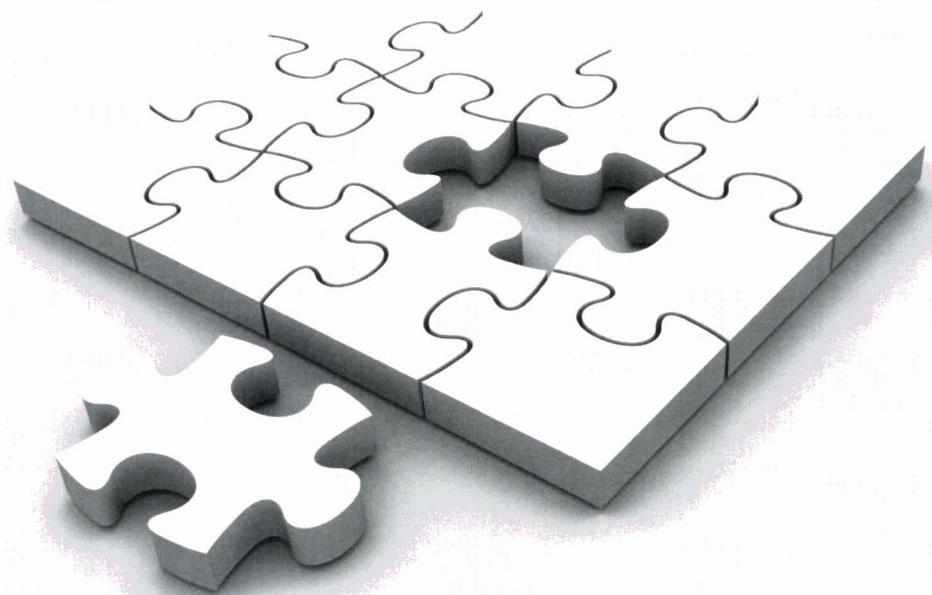


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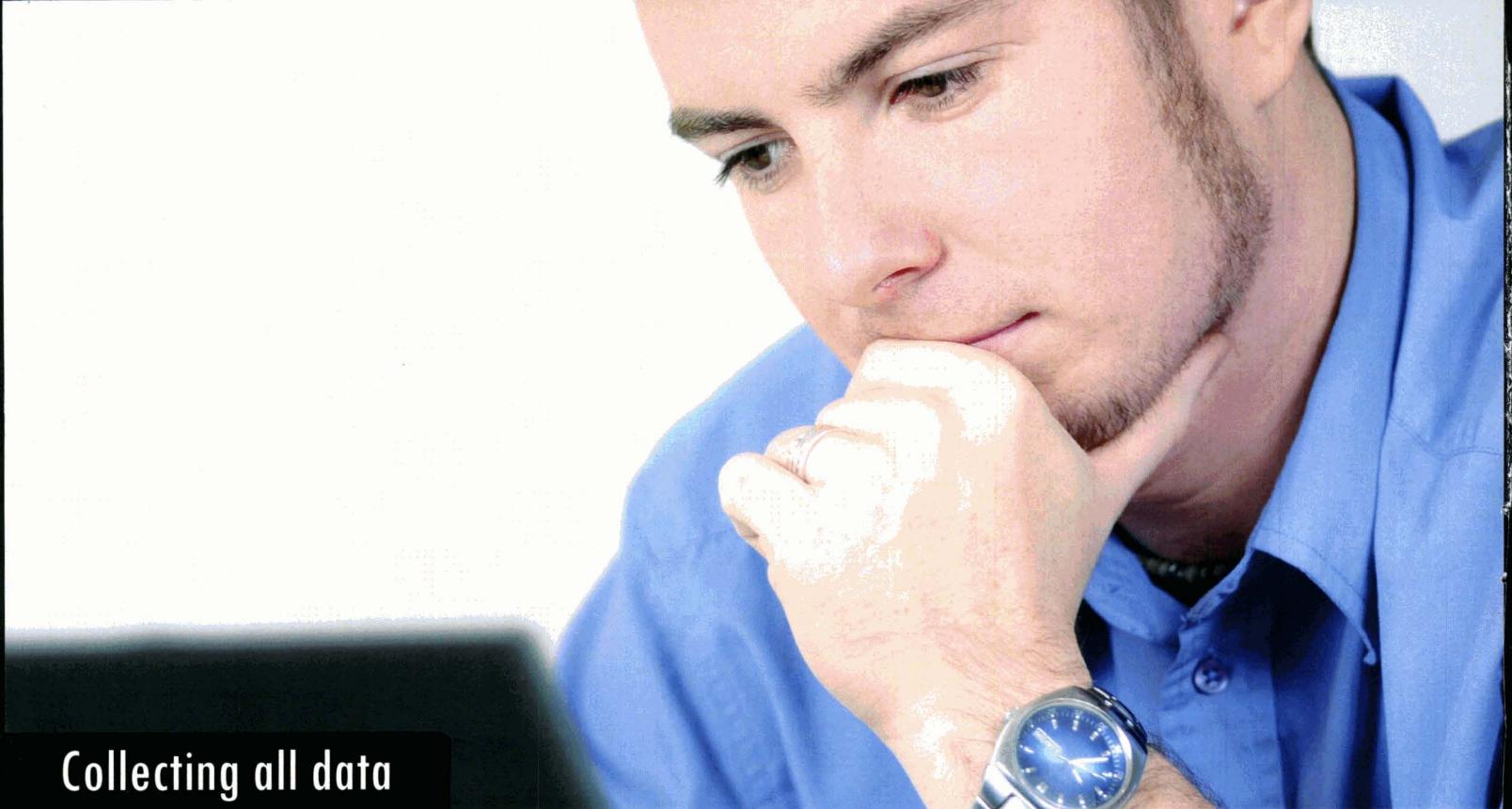
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EVIDENT™



ACQUIRE & SELECT

TARGET COMMUNICATION



Collecting all data

ACQUISITION

Acquisition is an important part of any law enforcement monitoring solution. The main challenge in this process is to collect and correlate target data from a broad spectrum of varied physical interfaces and delivery formats, used in different CSP networks (PSTN, Mobile, Satellite, IP, NGN, etc.).

CORRECT TARGET DATA

The EVIDENT solution verifies the delivery from various Communications Service Providers (CSP), to ensure that the correct data is correlated to the correct warrant. Furthermore, EVIDENT ensures that the delivery infrastructure is maintained, and that only specific relevant target communication is intercepted, according to the interception warrant. The accuracy of the collected material is kept in an impeccable state, making sure that the intercepted information can be used as evidence.

Finding target data

With ETI's Demon X-Stream acquisition units you can select relevant traffic based on a warrant defined target selection criteria, e.g. e-mail addresses. Through an intuitive warrant management system, specific target selection criteria are applied to each acquisition unit, ensuring that only relevant target data is recorded. Real-time interpretation of call related data ensures instant and correct correlation according to interception warrants.

ACTIVE OR PASSIVE INTERCEPTION

All ETI acquisition units are flexible in network deployment and can either be placed in the CSP network(s) or in the customer's own domain, depending on the requirements. That is, whether the target data should be collected by passive/non-intrusive monitoring of selected communication line(s), using a probe, or via an active monitoring approach, in which existing network elements (routers, telephone switches, etc.) capture the relevant target data, and forward it to the acquisition units.

DEMON FOR CS NETWORKS

The Demon acquisition units intercept communication from a variety of networks, and help to maintain the important in-depth knowledge of worldwide communication networks. The units are specifically designed for intercepting relevant communication, from a number of different circuit switched networks.

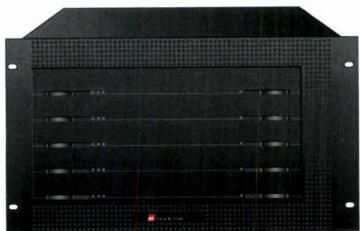
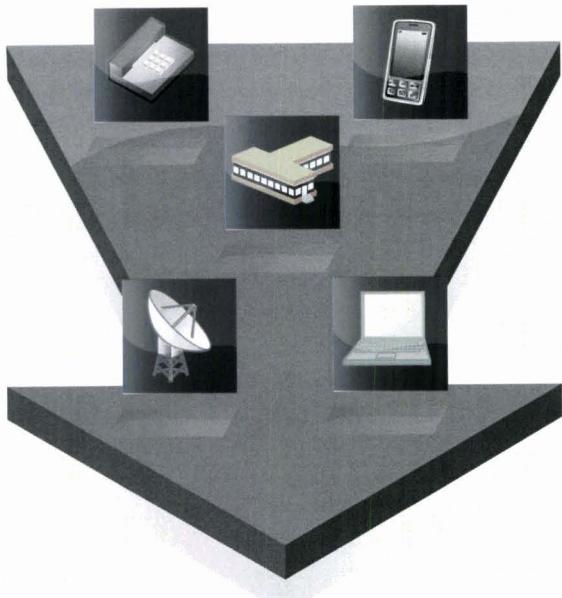
Real-time acquisition

The X-Stream units are able to acquire online Internet activity and VoIP in real time, providing analysts with the ability to examine and process incoming transactions, as they take place. To achieve this level of performance, the Demon X-Stream units have a high-level intelligence, which enables them to acquire and correlate activity, for example log-ins, sent and received e-mails, and chat room activity.

Acquisition challenges

Getting a future-proof investment

COMPLETE DATA COLLECTION



Demon & Demon X-Stream

Acquisition units

- Demon E1/T1 Input
- Demon E1/T1 4x4
- Demon Analog Input
- Demon DCME E1 Input
- Demon ISAT Acquisition
- Demon X-Stream 10/100 Ethernet
- Demon X-Stream 1 G Ethernet
- Demon X-Stream 10 G Ethernet
- Demon X-Stream STM-1/OC-3
- Demon X-Stream STM-4/OC-12
- Demon X-Stream STM-16/OC-48
- Demon X-Stream CS



Future-proof

MULTIPLE SOURCES - ONE SOLUTION

EVIDENT solves the challenges associated with collection of relevant communication from packet switched, circuit switched, and satellite networks. It provides tools matching interception requirements, ranging from passive monitoring of a simple twisted pair, to high bandwidth optical fibre connections, used in high-speed access lines, international gateways, and sea cables.

EVIDENT is designed to reflect the global proliferation of communication on packet switched networks. Furthermore, it combines both packet switched and circuit switched acquisition, and integrates multiple interception requirements into one solution. All of our solutions efficiently select specific events among massive volumes of data, while excluding unnecessary information.

IP target selection criteria*

- Chat nickname
- Chat keywords
- E-mail address
- E-mail, keywords in body
- E-mail, keywords in subject
- Ethernet mac address
- Ethernet VLAN
- FTP login name
- Import, e.g. PCAP
- IP address
- Phone number
- User login name
- VoIP participant
- VoIP phone number
- Web post
- Web URI
- Webmail login name

TARGET SELECTION CRITERIA

The Demon X-Stream units are available in a number of configurations, based on line speed, selection level, and number of selectors. A standard unit offers 1000 selection criteria, based on IP, MAC, login, etc. Selection level upgrades are available for keyword selection in e-mails, chat conversations, web pages, and keyword/VoIP/chat selection. To increase the number of selection criteria, all Demon X-Stream units can be upgraded to contain 100.000 selection criteria. 24-hour buffering can be included.

Demon X-Stream selects data in

STANDARD E-MAIL

- IMAP
- SMTP
- POP3
- NNTP

WEBMAIL

- Hotmail
- Hotmail Live
- Yahoo classic
- Yahoo live
- Gmail
- Gawab
- Maktoob
- IslamOnline
- Naseej
- AltaVista
- Canada.com
- care2
- Email.com
- Excite
- Juno
- Lycos
- Mail.com
- NetAddress
- Netscape
- NetZero
- Onebox
- myway mail
- viproal.com
- mail2World
- AOL (9Mail + Webmail)
- everyoneMail

VOIP/CHAT

- BuddyTalk
- CallServe
- PhoneServe
- Chat Anywhere
- CU world/CU pals

* Can be limited by national legislation

EVIDENT Acquisition

One solution - Pure quality

FULL DECODING – PURE QUALITY

To identify 100% correct target communication, the decoding mechanism in the EVIDENT solution is based on a full decoding protocol concept, in which all application protocols are interpreted. As opposed to other mechanisms that might lack accuracy and could miss data, or even intercept the wrong information, the full decoding protocol's accuracy ensures that only relevant and specific target data is recorded.

Why choose ETI?

With more than 15 years of experience in IP interception, ETI possesses an extensive knowledge of network designs and structures. Consequently, many customers consider us the natural choice when they seek advice concerning the deployment of acquisition units. We help them get the best results.

- Dialpad
- Digichat
- Eyeball Chat
- FlashTalk
- Netmeeting
- Media Ring
- PCtoPhone (Polaricomms)
- Hotfoon
- Firefly soft phone
- ICUII
- Ipi Phone
- MIRC A43+A113+A119+080
- MS Chat
- ISPQ
- MecaMessenger over HTTP/TCP
- MGCP
- MSN Windows Messenger
- N2C, N2D (Net2Phone)
- 12planet

- AOL IM (over IP)
 - Paltalk
 - Peermee over TCP
 - Real Chat
 - eStara Soft phone
 - Teamspeak
 - Facebook
 - Vypress
 - Yahoo chat
 - Yahoo lite
 - YMSG
 - Ventrilo
 - IRG
 - X-lite
 - Efonica
 - Net Telephone
 - PicoPhone
- DATA LINK LAYER PROTOCOLS**
- Cisco HDLC

- Frame relay
 - L2TP/PPP
 - Point to Point File Transfer
 - AAMOS
 - Mailbag
 - FTC mailbag
 - SkyFile
 - PPP with TCP/IP
 - Van Jacobsen
- WEB**
- HTTP
 - HTML
- SIGNALLING/CALL SETUP**
- H323/H225
 - (Q931)/H245/H324)
 - IAX
 - RTCP
 - SIP

- T.120
- CARRIER**
- N2PD (Net2Phone)
 - RT
- ENCRYPTION DETECTOR**
- IPsec
 - PGP
 - SMIME for e-mail
 - SSL
 - TOR
 - Skype
 - Fax crypto detect
- OTHERS**
- NetBIOS
 - Telnet
 - FTP

Etc. For a complete list, please contact ETI.



High data integrity

MANAGEMENT, MEDIATION, AND HANDOVER

The ETI Mediator is an advanced central management, mediation, and handover system, which is prepared for handling HI-1 (warrant information), HI-2 (intercept related information), and HI-3 (call content), enabling CSPs to fulfill their legal requirements for Lawful Interception.

COMPATIBLE

Mediator provides a standard and open interface, and is prepared to handle HI-1, HI-2 and HI-3 interfaces. It is capable of delivering output in ETSI (European Telecommunications Standard Institute) formats, and other relevant standards, like CALEA (Communications Assistance for Law Enforcement Act), and the formats of monitoring facilities at the Law Enforcement Agencies.

FUTURE-PROOF

Mediator has been developed with focus on the monitoring of IP based networks, but also supports circuit switched interfaces and the overall LI management requirements of the CSPs. The product is designed to meet both current and future NGN requirements, including the monitoring of virtually any type of communication network (circuit switched, packet switched, IP, VoIP, etc.).

MEDIATOR - In brief

A future-proof central management, mediation, and handover system

- Compatible
- Secure
- Stable

ETI Mediator is a state-of-the-art central management, mediation and handover platform designed for CSPs. It ensures their ability to fulfill the obligations for Lawful Interception today, and in the future, by using a single, scalable, and flexible mediation platform.



Mediation

Keeping your data safe

UPGRADABLE

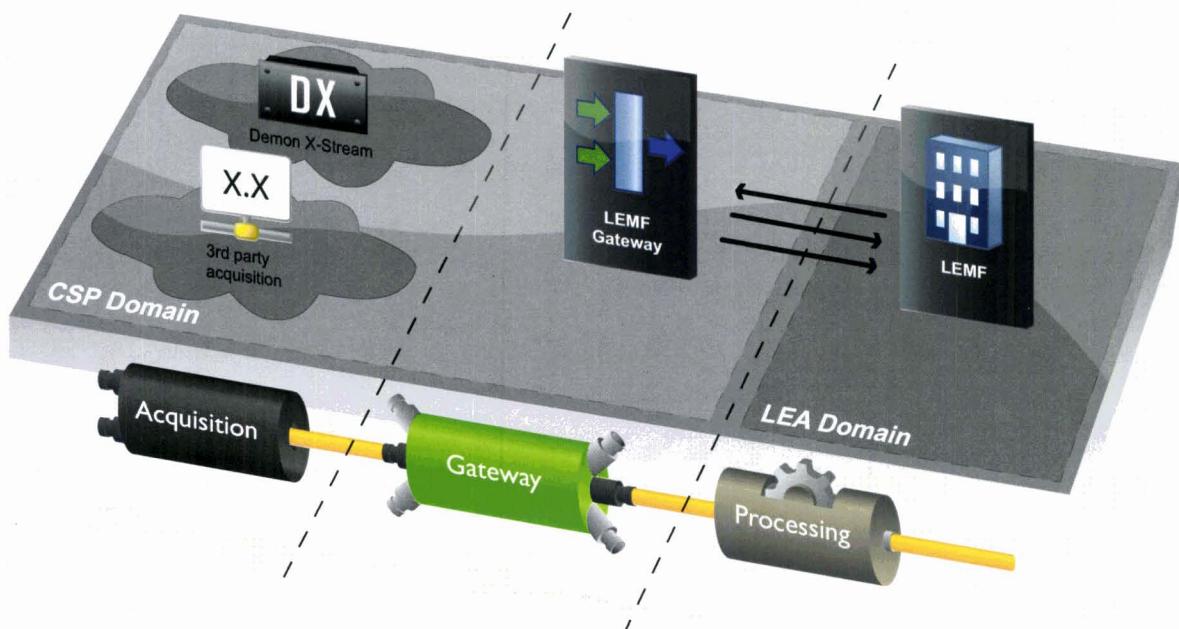
The ETI Mediator is scalable and flexible and can be upgraded to handle new types of networks, protocols, or data formats, just by adding input modules, as they are required. Furthermore, the ETI Mediator can be deployed redundantly, to ensure that there is no single point of failure.

BUFFERING

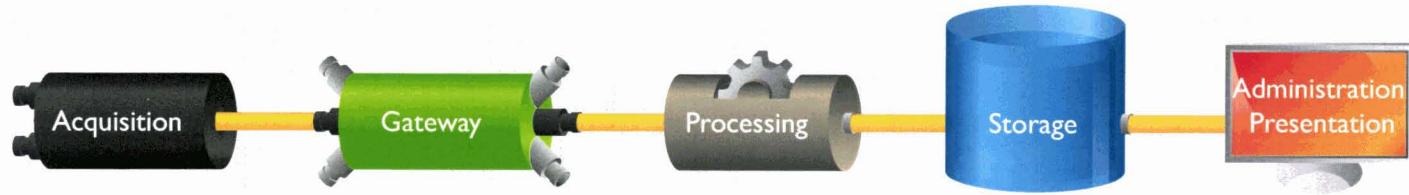
Mediator provides buffering of data for the CSP, to ensure no loss of data during various disaster scenarios, i.e. if the connection to the LEA is temporarily lost.

MINIMISING COSTS

To minimize costs, ETI can use the CSP's existing network elements (e.g. routers, etc.) whenever possible. We cooperate with all major vendors of CSP network elements, such as Acme, Huawei, Cisco, Juniper, etc. In close cooperation with these companies, we have developed interfaces that enable these network elements to send their data directly to the ETI Mediator.



Learn more about EVIDENT:



1.Acquisition

Unit collects data from multiple probes, network elements, satellites, or imports from other agencies, etc.

2.Gateway

Unit acts as the point-of-entry between the acquisition unit and the monitoring facility.

3.Processing

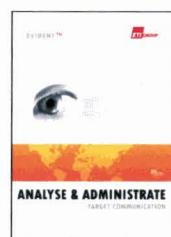
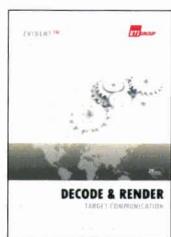
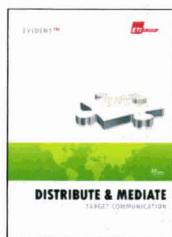
Unit reconstructs intercepts and turns collected events, bit streams, files, etc. into readable/audible intelligence.

4. Storage

Unit provides safe storage, where intercepted data is saved on one central database - Easy access and retrieval of information.

5. Presentation

User-friendly programme/software which makes analysis and system administration easy.



ETI is the world's leading supplier of state-of-the-art monitoring solutions for Law Enforcement and Intelligence Agencies.

For further details, log onto our secure area at www.etiglobal.net

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EVIDENT™



STORE & ARCHIVE

TARGET COMMUNICATION

EXCELLENCE THROUGH SPECIALIZATION



Securing mission critical data

ETI X-Stream Database delivers industry leading performance, scalability, and security when storing intercepted communication. Interceptions from packet switched and circuit switched networks are stored in a database specifically designed for storing sensitive and mission critical information. The X-Stream Database provides a secure environment which accommodates privacy and compliance requirements as well as protecting your data against unauthorized access.

FLEXIBLE AND SCALABLE

The X-Stream Database design is developed in cooperation with Microsoft. The Database is Microsoft SQL server based and built on tested Microsoft technology and operational database architecture.

The X-Stream database offers a range of scalability options and can be customized according to your requirements for local/distributed facilities, size, speed, and other operational requirements.

HIGH AVAILABILITY AND SECURITY

The X-Stream Database ensures operation continuity with the highest level of system availability and security. Furthermore, it protects your data against costly human errors and minimizes disaster recovery time. With a fully scalable design, ETI delivers an infrastructure that can grow with your activities and handle agency workloads including collation of information from multiple communication sources and multiple users accessing the database.

X-Stream Database

- Integrated storage for metadata and content
- Scalable and flexible Microsoft SQL database designed specifically for storing interceptions
- Secure and customizable facility for retaining sensitive information
- High performance maintained regardless of database size per design
- Integrated ILM (Information Lifecycle Management) facilities for easy data management and system maintenance

FUTURE-PROOF STORAGE

Retaining interceptions require storing large amounts of relatively small files. Consequently, X-Stream database uses a design which enables the users to achieve top reading and write speeds, even though their database scales into petabyte sizes. File and database sizes will not immobilize users and their efforts to quickly access and share information.

Storing the intercepts

- in the X-Stream Database

INTEGRATED SOLUTION

Whether you are challenged with intercepting communication from a single or multiple sources, the X-Stream Database offers an integrated storage solution for fixed, wireless, satellite, and IP communication. This flexibility enables users to add more data, if and when their activities expand. Future-proofing storage facilities is essential to successful operation in environments, where networks are updated on a regular basis, and new services are added constantly.

UNDERSTANDING THE CONSEQUENCES

To estimate storage requirements, the raw data input load provides a frame of reference and as evident from the matrix below, storage facilities quickly grow into impressive sizes. Consequently, a careful assessment of data load and I/O performance should be made when determining the size of the database.

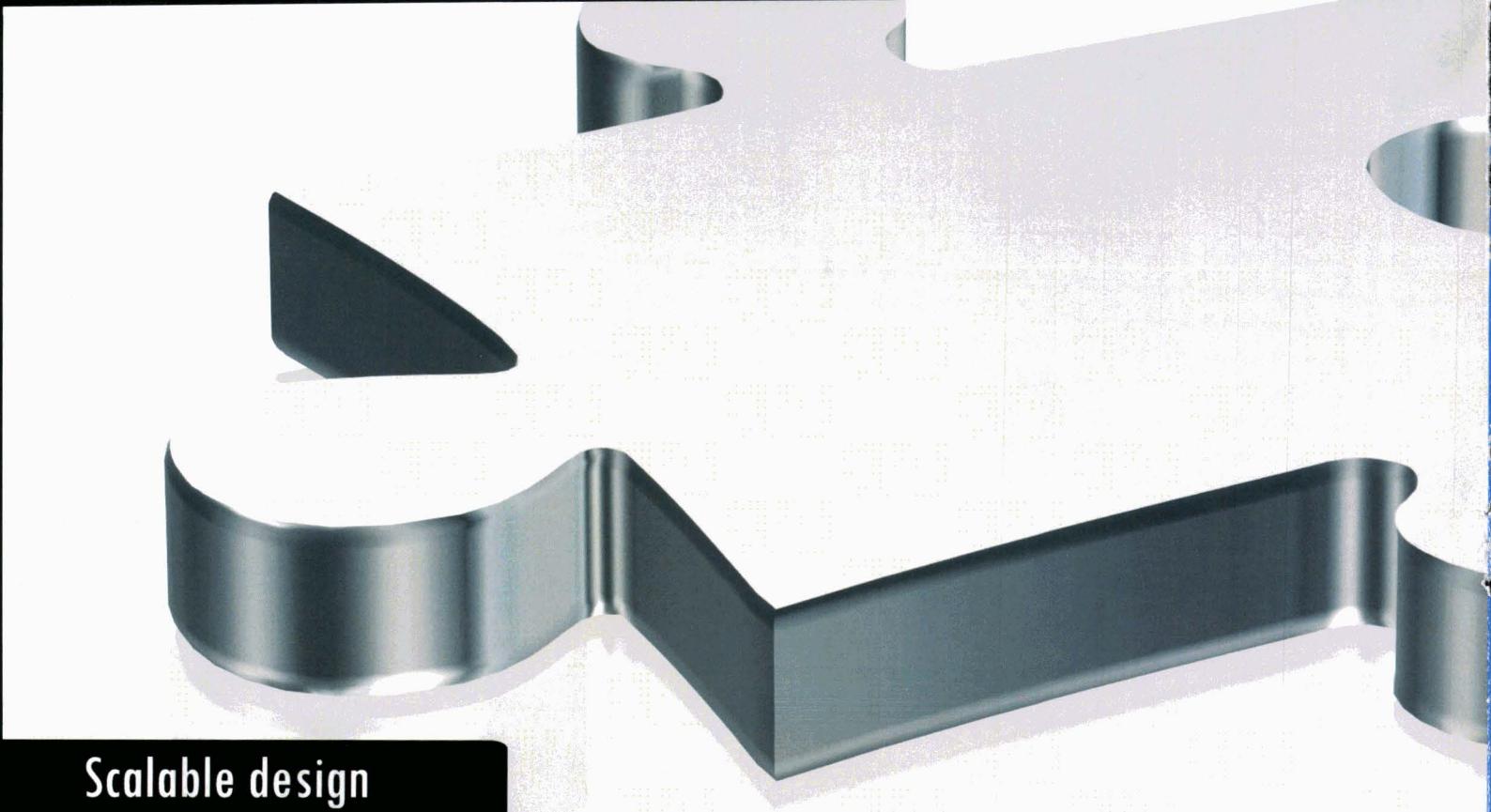
The X-Stream Database stores metadata and content information in the same database architecture for speedy and optimized operation.

RATE Mbps	MB/SEC	MB/MIN	GB/ HOUR	GB/DAY	GB/ WEEK	TB/30 DAY	TB/ YEAR
1	0.1	7.5	0.4	10.5	73.8	0.3	3.8
2	0.3	15.0	0.9	21.1	147.7	0.6	7.5
10	1.3	75.0	4.4	105.5	738.3	3.1	37.6
25	3.1	187.5	11.0	263.7	1845.7	7.7	94.0
50	6.3	375.0	22.0	527.3	3691.4	15.5	188.0
100	12.5	750.0	44.0	1054.7	7382.8	30.9	376.0
500	62.5	3750.0	219.7	5273.4	36914.1	154.5	1879.7

Estimate database size

Input load affects the database size. The list shows how much raw data is output at certain rates, e.g. 25 Mb/sec input generates 263.7 GB per day which equals 94 TB per year.

ETI scales storage requirements according to specific requirements and solutions are always customized. Consequently, the list is only a guideline.



Scalable design

MASTER AND NODES

The X-Stream Database design is based on:

- A central master node, which holds all system configuration
- Individual data nodes that contain the actual intercepted traffic (both HI-2 and HI-3)

All interceptions relating to a specific target criteria are saved on the same data node. This design enables the database to maintain a high overall performance, regardless of the amount of collected data input, and the total size of the database. In order to uphold a strict separation between criminal cases, individual criminal cases can be assigned to different data nodes.

SCALING DATA NODES

You can seamlessly add capacity to your X-Stream storage system, by adding more data nodes and physical storage. Both types of extensions can be made on the fly, and without any downtime of the system. Consequently, you will experience no downtime when upgrading capacity to the database storage sub-system. The amount of data nodes is fully scalable, i.e. one can apply up to 255 data nodes.

RETAIN METADATA

The X-Stream Database also enables you to reduce storage requirements by having options for retaining metadata longer than content. Data management enables you to automate content deletion schedules whilst maintaining metadata.

DATABASE BENEFITS

To support your need for securing storage of mission critical data, the database design from ETI offers you:

- Optimized data security
- Higher performance
- Data integrity
- Information Lifecycle Management
- Transaction control and audit

With our database design you receive superior performance, security, and user access to stored information, compared to a file system.

Operational features

- **STABILITY** – There is no single point of failure in the storage system.
- **SCALABILITY** – It is possible to add data nodes and storage to the solution, on-the-fly
- **LOAD BALANCING** – The solution has a built-in automatic distribution of traffic
- **HIGH AVAILABILITY** – There is an option for having a parallel redundant system located over two sites
- **AUTOMATIC RESTART** – In case of power blackout, the system restarts automatically
- **SECURITY** – In case of a power outage, there is no data loss (buffering)

EVIDENT X-Stream

- scalable, flexible, and secure

DISASTER RECOVERY

Planning for a worst case scenario, is natural in situations where data is mission critical. Many surrounding elements can have a negative impact on the system and cause system failure. The most common are human errors, physical disasters, hardware failure, corrupt or damaged media, failing scheduled, and unscheduled activities. Regardless of the reason, it is imperative that system performance is restored and data loss is minimized. With multiple features for swift disaster recovery, the X-Stream Database reduces the risk of losing critical information to a minimum.

SECURITY THROUGH REDUNDANCY

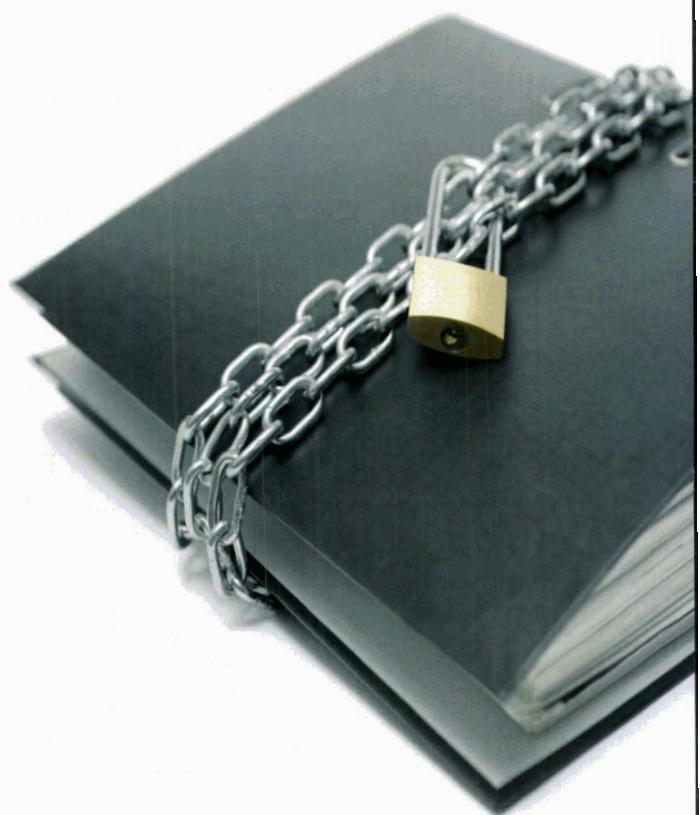
Maintaining an identical copy of the production database may be required for operational and security reasons. ETI offers redundancy options which provides the assurance that mission critical information is always available.

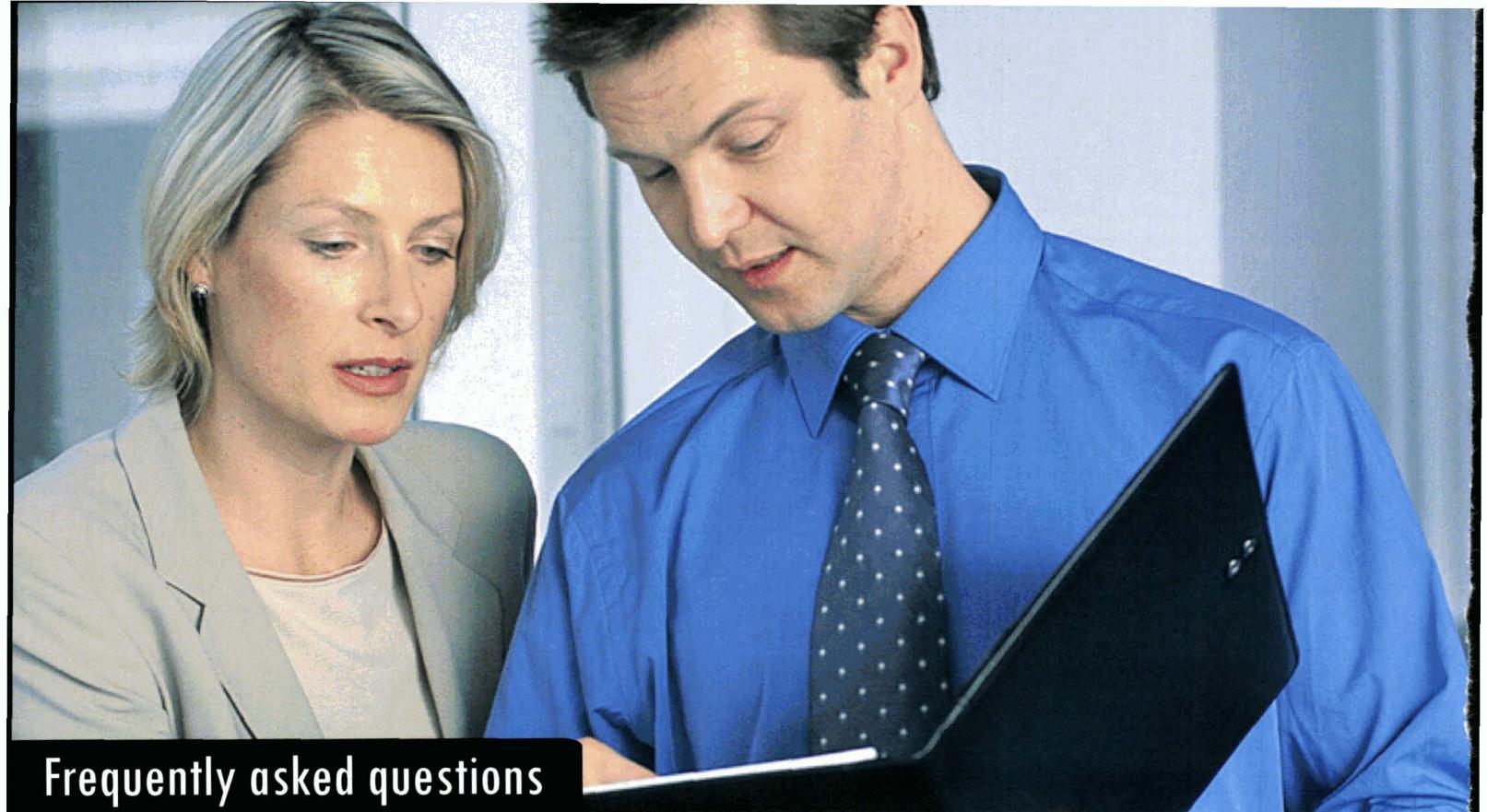
DATABASE BACKUP

To prevent data loss, the user should always have available data backup. The X-Stream Database stores both data and metadata in the database. Maintaining a copy may seem insurmountable; however, by deploying various backup utilities the user is able to create copies while at the same time maintaining database performance. This backup is the user's guarantee for maintaining operations at all times. Deploying individual or combinations of backup techniques provides a superior platform for maintaining a large database.

The X-Stream Database can use hardware backup, which optimizes the process of replicating the stored metadata and content.

The backup process is done using tested and proven methodologies for trusted 3rd party vendors. Backup options are non-disruptive and enables the user to save data and recover systems, if required.





Frequently asked questions

The X-Stream Database plays a central role in the EVIDENT monitoring facility ETI has collected some of the most common questions regarding the X-Stream database design.

■ WHAT IS STORED IN THE DATABASE?

The amount and type of data stored in the database is fully configurable. The database stores both decoded, undecoded and raw data. You can select all three or less based on your operational requirements.

■ CAN I DELETE CONTENT AND KEEP METADATA ONLY?

Yes, in the storage configuration you can configure the database to keep metadata even though the content is deleted. If you follow a cleaning schedule you can configure the database to keep metadata whenever content is deleted.

■ CAN MULTIPLE USERS ACCESS THE DATABASE?

Yes, ETI scales the database according to the number of users who require access to the database. Multiple users can access the same events. Whenever two or more users try to open an already opened event, they will receive a notification in EVIDENT Investigator.

■ HOW DO I CONTROL USER ACCESS TO THE DATABASE?

Access to metadata and content in the database is controlled from EVIDENT Director. The system administrator can control who is permitted to see, analyse, and delete products.

■ CAN I HAVE A COMPLETELY REDUNDANT SYSTEM LOCATED AT ANOTHER FACILITY?

Yes, it is possible to install redundant databases by using replication and mirroring techniques.

■ WHAT HAPPENS IF THE MASTER NODE FAILS?

If the master database server fails, the database will then switch over to another node in the windows cluster meaning a small drop in performance, until the server is up and running again. However, there will be no data loss because data is queued in the Processing Modules or ETI LEMF Gateway until the master node or data node is operational again.

■ HOW FAST CAN I RESTORE A DATA NODE?

Depending on your own resources to manage the database, the restore time will vary. If you require ETI's assistance in restoring the database, your Service Level Agreement should contain the recovery service which will specify how fast you can resume normal operation. If you manage the database yourself, you can restore the database through database backup or hardware backup.

■ HOW DO I MANAGE THE DATABASE?

The database is centrally managed from EVIDENT Director application. Based on operational permissions, administrators can access database configuration.

■ CAN I AUDIT THE DATABASE?

Yes, the X-Stream Database features comprehensive built-in features for audit. Optionally, you can export audit information for use in other applications.



EVIDENT

- archiving the intercepts

ARCHIVING IN THE DATABASE

Archiving helps you enforce organizational and legislative requirements for information retention and disposition. By capturing and preserving interceptions, one ensures complete, reliable integrity for the life time of your archived information.

ETI offers multiple options for data archiving. On-line database archiving with integrated ILM and standard archiving media.

By taking advantage of ILM and data partitioning, the X-Stream Database offers an efficient facility for data archiving. Using this approach gives the user a very fast and flexible solution, which is very cost efficient, compared to other available solutions. By deploying a combination of high-speed disks for database facilities and low-speed disks for data archiving, the user maintains the actionability on recent data while always having access to archived information.

Database archiving automates the user's archiving processes, and all data marked for archiving will be stored in the database or can be exported to an external file server if required. Users define what data they want to archive, thus giving them full flexibility. Irrelevant content data will be deleted, however, all content marked for archiving will be stored, thus ensuring data integrity and eliminating laborious archiving processes. With the ILM process, data will move to slower and slower media, as it grows older and less relevant. Ultimately, ILM can move it to an off-line media or delete it, when archiving requirements have been fulfilled.

REUSING EXISTING ARCHIVING SOLUTION

If you currently use an archiving solution based on, e.g. hard-disk, DVD, Blu-ray, etc. and wishes to continue on that platform, the X-Stream Database supports multiple approaches. Reusing existing archiving methodologies enables the user to maintain a

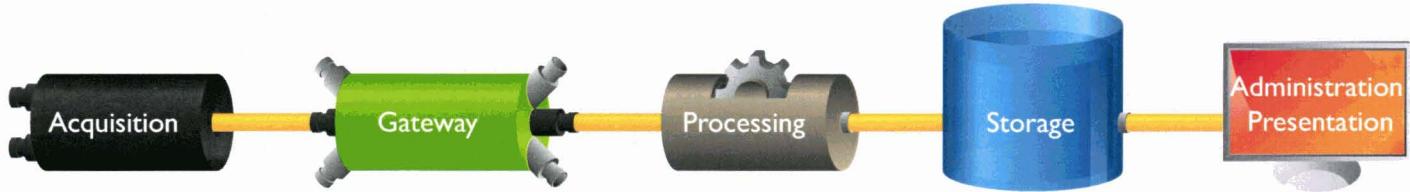
modus operandi. However; careful assessment of archiving requirements should be made whenever adding new intercepting capabilities to the user's monitoring facility.

MIGRATING DATA OR PARALLEL OPERATION?

Replacing a large archiving solution can be costly and difficult. Consequently, it may not be ideal to change platforms over night. X-Stream Database offers multiple options for changing archiving platforms which support customer requirements. One option includes running parallel archiving until the old system and stored data is obsolete. Secondly, existing solutions can be fully migrated to the new platform. Migration is not carried out until the user's operational and security requirements have been well tested, assuring that no data is lost and performance is maintained.



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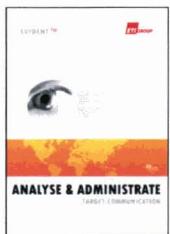
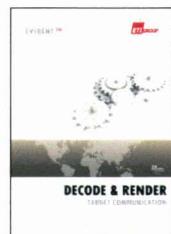
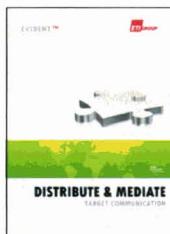
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EVIDENT™



EVIDENT INVESTIGATOR

ANALYZE TARGET COMMUNICATION

EXCELLENCE THROUGH SPECIALISATION



OVERVIEW OF TARGET COMMUNICATION

Intercepting large amounts of communication, such as telephone calls, faxes, e-mails, chat conversations, web pages, VoIP calls, social media, Peer-to-Peer, video, etc. makes it difficult to get an overview of a target's communication, methods, and patterns.

EVIDENT Investigator provides the necessary overview of all intercepts, which is needed when communications material is to be used for interception analysis. The system presents content (e.g. ETSI HI-3) and intercept related information (e.g. ETSI HI-2) in a simple user interface. The Investigator application helps the analyst to extract the maximum amount of intelligence from the intercepted communication and form timely conclusions.

EVIDENT INVESTIGATOR



EVIDENT Investigator handles data efficiently and ensures that analysts are up-to-date at all times and are able to manage vast amounts of data within a normal working day. An analyst's efficiency affects the organization's ability to make reliable decisions. Therefore, EVIDENT Investigator is simple, easy to use, reflects agency workflow, and supports daily screening, analysis tasks, and export for presentation in courts.

CUSTOMIZED PRESENTATION

Successful lawful intercept relies on high-quality data rendering and audio playback. With EVIDENT Investigator, success is achieved through customized presentation of content and metadata, which gives the analyst an easy overview. The system is based on an intuitive structure that can be mastered effortlessly in a short period of time.

MADE FOR LAW ENFORCEMENT

EVIDENT Investigator is designed specifically for law enforcement. It is a multi-media analysis software, which provides a platform for presentation and analysis of collected communication, including Packet Switched (chat, e-mail, web, VoIP, social media, Peer-to-Peer, video), and Circuit Switched traffic (PSTN, GSM, GPRS, fax, modem, etc.).

EVIDENT Investigator provides a wide range of software tools for analyzing and transcribing intercepts collected by the monitoring facility. It allows the analyst to view, play, re-play, and transcribe intercepted events, perform live monitoring, and view metadata associated with each intercept.

USER-FRIENDLY NAVIGATION

The Investigator application is designed to optimize the process of analyzing considerable quantities of intercepted communication. Being designed and tested in close cooperation with ETI customers, the system features user-friendly navigation and viewing that supports the analyst's daily workflow.

EVIDENT Investigator

Analyse target communication

**Easy access
Simple user interface
Comprehensive tools**

FLEXIBLE AND COMPATIBLE

The system is designed to accommodate different work flows supporting multi-user scenarios with different user permissions. The layout, e.g. the screen layout, the possible actions, etc., can be fully customized. With different user profiles, system administrators can define which views and level of details that should be displayed to individual users.

EVIDENT investigator simplifies analysis and is fully flexible according to national legislation. The software facilitates screening, analysis, and information sharing processes. Furthermore, system administration and troubleshooting can be managed from the same software, reducing the workload of system administrators.

Key Features

- Intercept viewers and media players
- Content and metadata analysis
- Overview of processed/non-processed events
- Live notifications
- Transcription and synopsis
- Data export/import
- Free text search

Evident Investigator

File Edit View Go Bookmarks Tools Help

New Open Save Print Exit

Investigator Today

Investigator Today

Collected Material (3796 total) - Statistics updated: 12-12-2007 14:00:01

Showing: Total

Chart Type: Pie Chart 3D Filter: Total Legend:

Application
Email
Chat
Fax
Web Page
Voice
SMS
Undecoded
File Transfer

Chat Fax Email Web Page Voice SMS File Transfer

Statistics updated: 12-12-2007 14:00:01

Bookmarked Interceptions (3)

Name	State	Expires
96324259	Deactivated (by user)	27-12-2010 23:59
ADSL Line	Deactivated (by user)	28-12-2010 23:59
Demon Test	Deactivated (by user)	06-01-2011 00:00

Page 1/1

Bookmarked Cases (4)

Name	Unprocessed	Total
Case: 1594194-2011	0	0
Case: 6841541-2011	406	433
Case: 7427154-2011	0	0
Charles Christensen	397	415

Page 1/1

Bookmarked Labels (0)

Name

There are no label bookmarks to show.

Bookmarked Events (0)

Name	Title	Status
------	-------	--------

There are no event bookmarks to show.

Quick search (11)

Name	Restriction
All Applications	In the last 30 days
All Attachments	In the last 30 days
All Chat	In the last 30 days
All Fax	In the last 30 days
All File Transfers	In the last 30 days

Investigator Notification

New Application

A new event has been intercepted!

Intercepted: 01-02-2011 14:09:52

Interception: ADSL Main

State: Active

Open Ignore

1 of 1

Banners Filtered (443 of 1544)

Data statistics

Data statistics and graphics provide the user with an instant overview and access to the intercepted events. Event types, number of unprocessed events, and the total number of each event type are presented in the overview.

Quick searches

Quick searches are predetermined searches, which show a list containing all of the events of a certain type of intercept within a given period of time. Time span is user-defined.

Bookmarks

Individual bookmarks are easily created in EVIDENT Investigator; for events, target selection criteria, labels, and groups. The bookmarks appear in Investigator Today, and enable the user to quickly navigate and get access to vital information.

Screen multiple web pages

EVIDENT Investigator supports multi-screen usage, which optimizes the work process and saves the analyst or screener considerable work hours.



Get an instant overview

- and structure your material

Where to start - Investigator Today

Starting EVIDENT Investigator takes the analyst directly to the Investigator Today view, which provides a comprehensive overview of the intercepted communication relating to his/her ongoing investigations/tasks.

SAVE TIME - USE THUMBNAILS

Looking through web pages or faxes one by one can be very time consuming. To make this work process more efficient and user friendly, EVIDENT Investigator offers a thumbnail listing of events to quickly screen and identify important communication. This feature enables users to screen multiple web pages or faxes at a time and with keyboard shortcuts process all simultaneously, or individually.

The screening process can also be automated with the Auto-walker feature, which displays and flips through the intercepted pages at a user-defined pace. The purpose is to swiftly work through large amounts of events and quickly decide whether to set event states. The screener follows the automated viewing and can stop the process at any time.



LABEL INTERCEPTS

When collecting large amounts of data it is necessary to organize and get an overview of the events. To structure the information, the analyst can assign labels to events and aggregate events that belong to the same topic, task, or other user-defined category. An example is a label called "translation", that can be applied to all events that are presented in a foreign language. Subsequently, a translator can load all events under the label and translate it into the preferred language.

RULE-BASED NOTIFICATIONS

To facilitate timely warning, EVIDENT Investigator has a new feature called Rule-based notifications. This kind of notification is a way of warning the analyst when certain criteria are met, i.e. a notification is sent when specific target behaviours take place. This can be exemplified by the following scenarios:

- Calling a certain number
- Receiving a call from a certain number
- Sending or receiving an e-mail
- Etc.

Notifications can be forwarded by pop-ups, SMS, or e-mail, and can also be used to forward target calls to police officers in the field (using Auto-dialler). This feature helps the analyst to focus on vital information and disregard information that is irrelevant.

TARGET PROFILING

EVIDENT Investigator may also feature person profiling if permitted by national law. Persons or associates to a target can be created, including names, addresses, and other identifying information. Pictures, surveillance recordings, etc. can be attached to continuously elaborate on profiles of interest.

Analyst profiles

EVIDENT Investigator comes with four default analyst user profiles:

- **Operator** offers full access to all necessary features used in their daily workflow
- **Transcriber** offers limited access to large volumes of intercepts without disclosing all details
- **External Expert** is designed for secure and restricted access to sensitive material, used by external experts, e.g. translators
- **Technical Data Specialist** provides the user with full access rights together with access to all technical data

Administrators can create unique profiles either by using the default profiles as templates, or create the profiles themselves.

VOICE/VIDEO player

Voice:

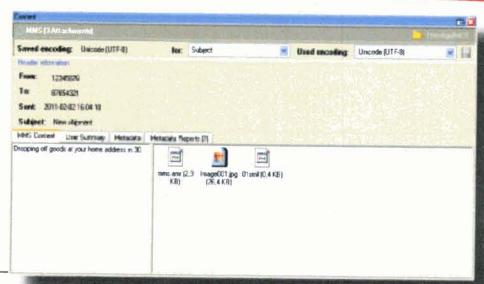
- Plays GSM, VoIP, TDM voice, etc.
- Playback tools
- Tagging tools
- Separation of speakers
- Volume control

Video:

- Webcam communication
- Playback tools
- Tagging tools

MMS viewer

- Content
- Attachments
- Change character sets



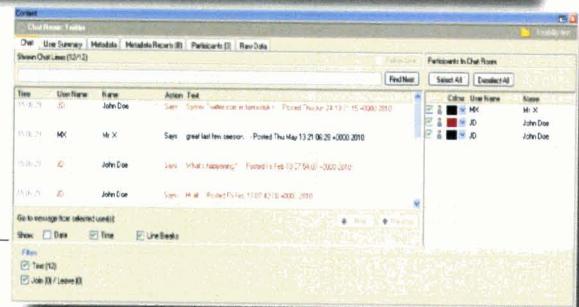
WEB viewer

- Picture view
- HTML view
- HTML source view
- HTTP post view
- Files List view
- Cookie view



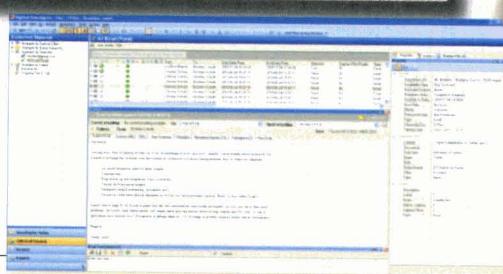
CHAT viewer

- View chat room
- Highlights chatters or words
- Separates chat correspondence
- Search function
- Colour specific user
- View active/inactive chatters



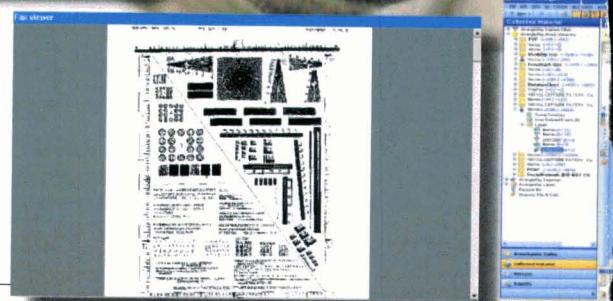
E-MAIL/WEBMAIL viewer

- Original Body view
- Original Header view
- Attachment viewer
- Search function in HTML source
- Highlight/hide HTML tags



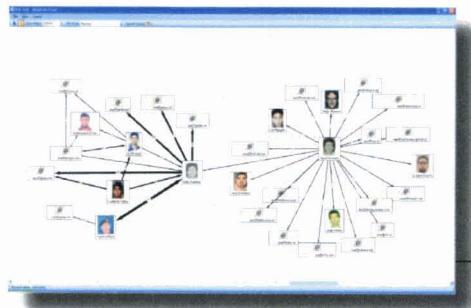
FAX viewer

- Thumbnail view
- Zoom tool
- Move tool
- Invert colours
- Snapshot tool
- OCR



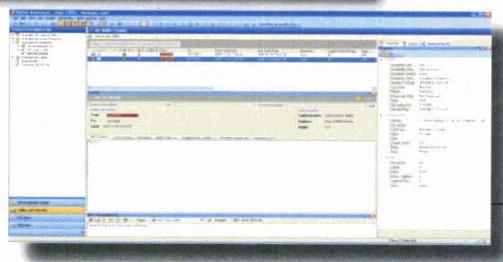
Comprehensive solution

Access to target communication



DATA analysis

- Relationship charts
- Chronological activity
- Target profiling/activity



SMS viewer

- Content
- Change character sets
- Data Flow Diagram

Request "grnp" / Search Responses [20]					
Request/Response		User Summary	Metadata	Metadata Reports [6]	Raw Data
Request		Search String: grnp		Parameters:	
Response		Name	Hash	Publisher IP	
grnp ab version 2.4 razorback.zip	0x7c7fa30752ccb2795ed3875ed0e19	12.123.123.123			
grnp 2.4.5-696-relab.exe	0xdcd46267e903d06ee5057ff707532	12.123.123.123			
grnp.avl	0x057bb31de4a43794a50347d8194	12.123.123.123			
grnp 2.4-696.exe	0x89c07d3d497da55191d04c04e0571e7e	12.123.123.123			
the-grnp_2.4.exe	0x91e9ab502ac47d9ef19863067766	12.123.123.123			

Peer-to-Peer viewer

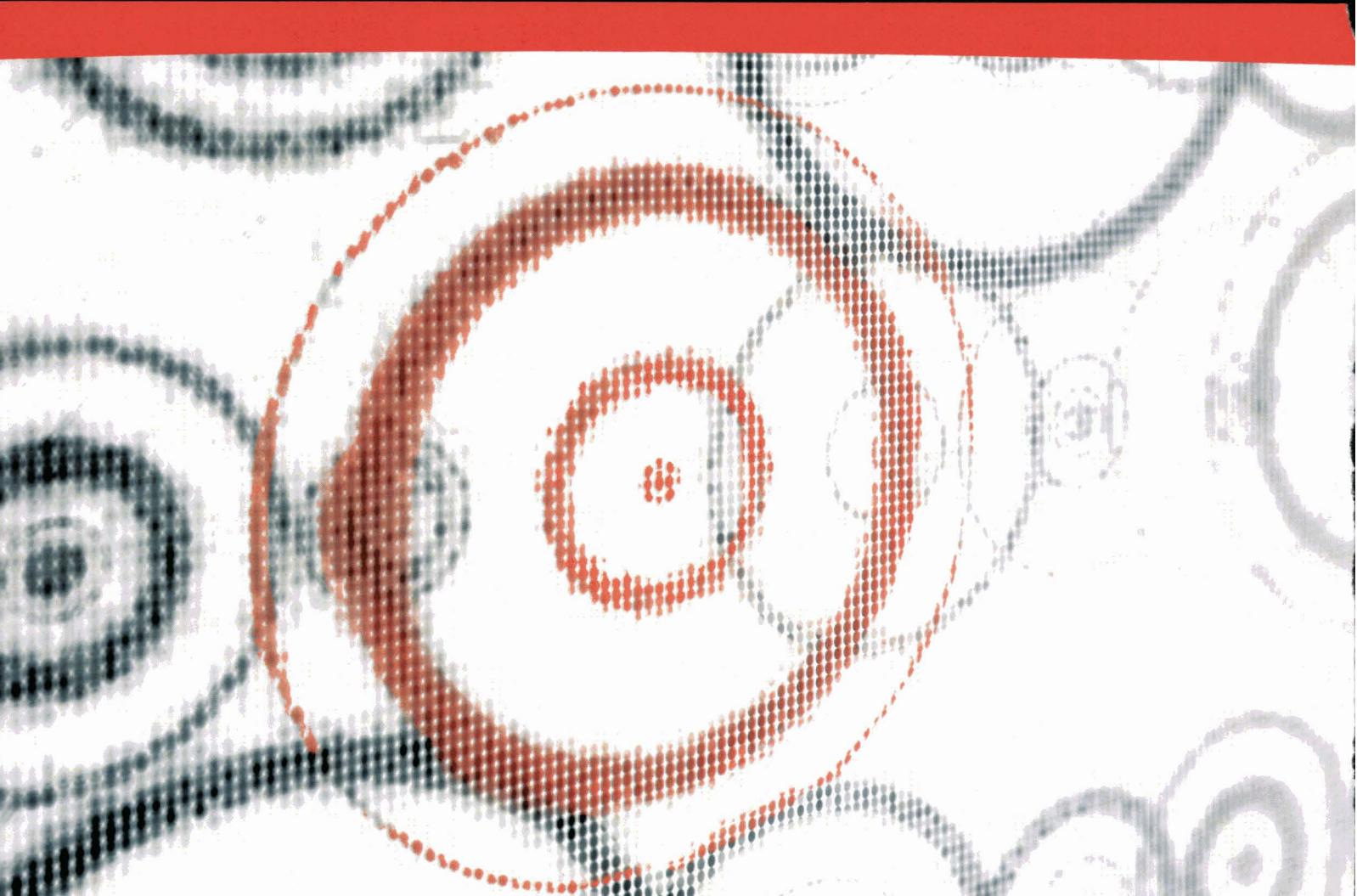
- Search request/response
- Metadata
- Metadata reports
- Raw data (e.g. video, photo)

ValueManager							
Yahoo!Messenger Summary Contacts [3] DNS User Summary Metadata Metadata Reports [0] Participants [0] Raw Data Sent/Preserved Contacts							
Contact							
Relation Type	Join	Leave	User Name	User Id	Buddy Message	Buddy Status	Target
Buddy	2010-06-09 23:25:50	2010-06-09 23:25:50	ro3hion	0	en ru p4y1 mg	Online	
Buddy	2010-06-09 23:26:50	2010-06-09 23:26:50	ro3mon	0			
Buddy	2010-06-09 23:25:50	2010-06-09 23:29:50	ro3mon	0	ro3mon	Yes	

Social media viewer

- Current user status
- Status history
- Overview of user's contacts
- Status updates

ForumViewer 1.0.0.100 - Forum View									
Forum		User Statistics		Threads		Participants		Topics	
General	General	0	0	0	0	0	0	0	0
Chat Chat	Chat Chat	0	0	0	0	0	0	0	0
Administrator	Administrator	0	0	0	0	0	0	0	0
Warez	Warez	0	0	0	0	0	0	0	0
Software	Software	0	0	0	0	0	0	0	0
Hardware	Hardware	0	0	0	0	0	0	0	0
Entertainment	Entertainment	0	0	0	0	0	0	0	0
Business	Business	0	0	0	0	0	0	0	0
Science	Science	0	0	0	0	0	0	0	0
Technology	Technology	0	0	0	0	0	0	0	0
Education	Education	0	0	0	0	0	0	0	0
Health	Health	0	0	0	0	0	0	0	0
Environment	Environment	0	0	0	0	0	0	0	0
Politics	Politics	0	0	0	0	0	0	0	0
Religion	Religion	0	0	0	0	0	0	0	0
Art	Art	0	0	0	0	0	0	0	0
Music	Music	0	0	0	0	0	0	0	0
Culture	Culture	0	0	0	0	0	0	0	0
Food	Food	0	0	0	0	0	0	0	0
Drugs	Drugs	0	0	0	0	0	0	0	0
Sex	Sex	0	0	0	0	0	0	0	0
Crime	Crime	0	0	0	0	0	0	0	0
War	War	0	0	0	0	0	0	0	0
Technology	Technology	0	0	0	0	0	0	0	0
Science	Science	0	0	0	0	0	0	0	0
Mathematics	Mathematics	0	0	0	0	0	0	0	0
Physics	Physics	0	0	0	0	0	0	0	0
Chemistry	Chemistry	0	0	0	0	0	0	0	0
Computer Science	Computer Science	0	0	0	0	0	0	0	0
Electronics	Electronics	0	0	0	0	0	0	0	0
Robotics	Robotics	0	0	0	0	0	0	0	0
Engineering	Engineering	0	0	0	0	0	0	0	0
Mathematics	Mathematics	0	0	0	0	0	0	0	0
Physics	Physics	0	0	0	0	0	0	0	0
Chemistry	Chemistry	0	0	0	0	0	0	0	0
Computer Science	Computer Science	0	0	0	0	0	0	0	0
Electronics	Electronics	0	0	0	0	0	0	0	0
Robotics	Robotics	0	0	0	0	0	0	0	0
Engineering	Engineering	0	0	0	0	0	0	0	0
Mathematics	Mathematics	0	0	0	0	0	0	0	0
Physics	Physics	0	0	0	0	0	0	0	0
Chemistry	Chemistry	0	0	0	0	0	0	0	0
Computer Science	Computer Science	0	0	0	0	0	0	0	0
Electronics	Electronics	0	0	0	0	0	0	0	0
Robotics	Robotics	0	0	0	0	0	0	0	0
Engineering	Engineering	0	0	0	0	0	0	0	0
Mathematics	Mathematics	0	0	0	0	0	0	0	0
Physics	Physics	0	0	0	0	0	0	0	0
Chemistry	Chemistry	0	0	0	0	0	0	0	0
Computer Science	Computer Science	0	0	0	0	0	0	0	0
Electronics	Electronics	0	0	0	0	0	0	0	0
Robotics	Robotics	0	0	0	0	0	0	0	0
Engineering	Engineering	0	0	0	0	0	0	0	0
Mathematics	Mathematics	0	0	0	0	0	0	0	0
Physics	Physics	0	0	0	0	0	0	0	0
Chemistry	Chemistry	0	0	0	0	0	0	0	0
Computer Science	Computer Science	0	0	0	0	0	0	0	0
Electronics	Electronics	0	0	0	0	0	0	0	0
Robotics	Robotics	0	0	0	0	0	0	0	0
Engineering	Engineering	0	0	0	0	0	0	0	0
Mathematics	Mathematics	0	0	0	0	0	0	0	0
Physics	Physics	0	0	0	0	0	0	0	0
Chemistry	Chemistry	0	0	0	0	0	0	0	0
Computer Science	Computer Science	0	0	0	0	0	0	0	0
Electronics	Electronics	0	0	0	0	0	0	0	0
Robotics	Robotics	0	0	0	0	0	0	0	0
Engineering	Engineering	0	0	0	0	0	0	0	0
Mathematics	Mathematics	0	0	0	0	0	0	0	0
Physics	Physics	0	0	0	0	0	0	0	0
Chemistry	Chemistry	0	0	0	0	0	0	0	0
Computer Science	Computer Science	0	0	0	0	0	0	0	0
Electronics	Electronics	0	0	0	0	0	0	0	0
Robotics	Robotics	0	0	0	0	0	0	0	0
Engineering	Engineering	0	0	0	0	0	0	0	0
Mathematics	Mathematics	0	0	0	0	0	0	0	0
Physics	Physics	0	0	0	0	0	0	0	0
Chemistry	Chemistry	0	0	0	0	0	0	0	0
Computer Science	Computer Science	0	0	0	0	0	0	0	0
Electronics	Electronics	0	0	0	0	0	0	0	0
Robotics	Robotics	0	0	0	0	0	0	0	0
Engineering	Engineering	0	0	0	0	0	0	0	0
Mathematics	Mathematics	0	0	0	0	0	0	0	0
Physics	Physics	0	0	0	0	0	0	0	0
Chemistry	Chemistry	0	0	0	0	0	0	0	0
Computer Science	Computer Science	0	0	0	0	0	0	0	0
Electronics	Electronics	0	0	0	0	0	0	0	0
Robotics	Robotics	0	0	0	0	0	0	0	0
Engineering	Engineering	0	0	0	0	0	0	0	0
Mathematics	Mathematics	0	0	0	0	0	0	0	0
Physics	Physics	0	0	0	0	0	0	0	0
Chemistry	Chemistry	0	0	0	0	0	0	0	0
Computer Science	Computer Science	0	0	0	0	0	0	0	0
Electronics	Electronics	0	0	0	0	0	0	0	0
Robotics	Robotics	0	0	0	0	0	0	0	0
Engineering	Engineering	0	0	0	0	0	0	0	0
Mathematics	Mathematics	0	0	0	0	0	0	0	0
Physics	Physics	0	0	0	0	0	0	0	0
Chemistry	Chemistry	0	0	0	0	0	0	0	0
Computer Science	Computer Science	0	0	0	0	0	0	0	0
Electronics	Electronics	0	0	0	0	0	0	0	0
Robotics	Robotics	0	0	0	0	0	0	0	0
Engineering	Engineering	0	0	0	0	0	0	0	0
Mathematics	Mathematics	0	0	0	0	0	0	0	0
Physics	Physics	0	0	0	0	0	0	0	0
Chemistry	Chemistry	0	0	0	0	0	0	0	0
Computer Science	Computer Science	0	0	0	0	0	0	0	0
Electronics	Electronics	0	0	0	0	0	0	0	0
Robotics	Robotics	0	0	0	0	0	0	0	0
Engineering	Engineering	0	0	0	0	0	0	0	0
Mathematics	Mathematics	0	0	0	0	0	0	0	0
Physics	Physics	0	0	0	0	0	0	0	0
Chemistry	Chemistry	0	0	0	0	0	0	0	0
Computer Science	Computer Science	0	0	0	0	0	0	0	0
Electronics	Electronics	0	0	0	0	0	0	0	0
Robotics	Robotics	0	0	0	0	0	0	0	0
Engineering	Engineering	0	0	0	0	0	0	0	0
Mathematics	Mathematics	0	0	0	0	0	0	0	0
Physics	Physics	0	0	0	0	0	0	0	0
Chemistry	Chemistry	0	0	0	0	0	0	0	0
Computer Science	Computer Science	0	0	0	0	0	0	0	0
Electronics	Electronics	0	0	0	0	0	0	0	0
Robotics	Robotics	0	0	0	0	0	0	0	0
Engineering	Engineering	0	0	0	0	0	0	0	0
Mathematics	Mathematics	0	0	0	0	0	0	0	0
Physics	Physics	0	0	0	0	0	0	0	0
Chemistry	Chemistry	0	0	0	0	0	0	0	0
Computer Science	Computer Science	0	0	0	0	0	0	0	0
Electronics	Electronics	0	0	0	0	0	0	0	0
Robotics	Robotics	0	0	0	0	0	0	0	0
Engineering	Engineering	0	0	0	0	0	0	0	0
Mathematics	Mathematics	0	0	0					



INVESTIGATOR ADD-ON: TARGET LOCATION

In addition to comprehensive structuring and analysis tools that handle the intercepted data, EVIDENT Investigator has a suite of add-on packages: ETI Target Locator II supplements EVIDENT Investigator's analysis capabilities with target location tools.

ETI TARGET LOCATOR II

With ETI Target Locator II the investigator can follow a target's movements by tracking his/her mobile phone activity. This software offers a graphical visualization of mobile network cell locations in which target mobile phones communicate. ETI Target Locator enables the investigator to:

- Locate a target's mobile phone from intercepts
- Follow a target's movements
- Document that a mobile phone has been in a specific area at a given time
- Identify a target's travel patterns
- Identify routes that are irregular to a target and hereby relate him/her to a given incident

Geographical tracking and approximate localization of a target is a particularly useful option in situations where Law Enforcement Agency (LEA) officers or other kinds of agents need to link a target to a specific area at a given time. The opposite scenario is also possible: If one for instance needs to rule out the possibility that a target's mobile phone is at a given location (e.g. his/her home) at a given time.

ETI Target Locator II

Target Locator II is an add-on module for EVIDENT Investigator, the operator software program in EVIDENT X-Stream systems for Lawful Interception. The system offers:

- Instant processing of cell location data and fast mapping of target movement between cells
- Historical location analysis
- Generation of reports for use in court, e.g. Court Evidence Disclosure
- Various map types and formats
- Zooming and panning facilities

Available location data

In a GSM cellular network location data is sent via HI-2 from the Network Operator, the Access Provider, and the Communication Service Provider, to the LEA. The incoming data is subsequently processed in EVIDENT Interpreter.

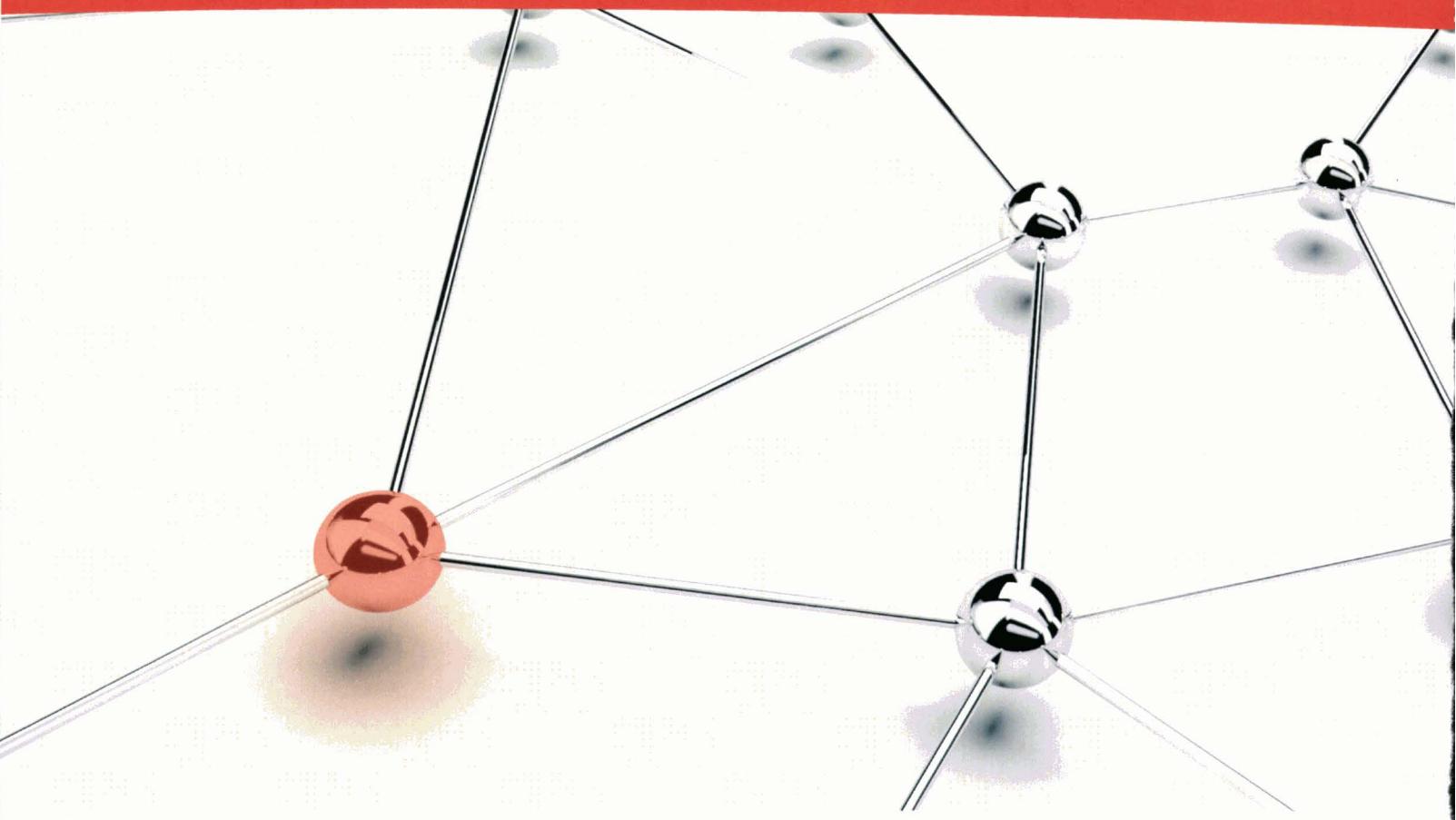
Our solutions collect data via ABIS or the CSP collects the data for us. The acquired data is consequently forwarded to the Law Enforcement Monitoring Facility.

Location analysis

Find and follow your target

The image shows a screenshot of the ETI Target Locator II software interface. It features several windows: a main window with a map and event list, a detailed event view window, and a target selection window. Red callout boxes highlight specific features:

- Satellite, topographical, and hybrid views**: Points to a map window showing a coastal area.
- Follow multiple targets**: Points to a target selection window listing multiple targets.
- Info layers provide an overview**: Points to a small window showing various icons for different types of information layers.
- INFO LAYERS AND AREAS OF INTEREST**: Points to a zoomed-in view of the map showing specific locations of interest.
- In addition to the information available in the map itself, it is possible to enable and disable layers on the map. The layers can relate to commercially available information, such as the location of bus stops, train stations, ATM machines, airports, specific case information, etc. Various layers can be added by ETI customers depending on the information available for that specific country, area, or case.**: Points to the info layer window.



INVESTIGATOR ADD-ON: RELATIONS CHART

In order to structure the communication that takes place in large social networks, EVIDENT Investigator has another add-on in its suite of analysis tools: ETI Relations Chart. The relations chart software applies metadata and structures the data in a simple, yet comprehensive way, to extract the maximum amount of intelligence.

WHO, WHEN, HOW, AND WHERE...

With access to information concerning the people the targets communicate with, when they communicate, and how they communicate (i.e. by which medium, frequency, etc.), complex patterns are revealed. An overview of these patterns enables the investigator to direct attention towards specific individuals and their location and role in larger social networks. Furthermore, it facilitates identification of new targets in these networks.

ANALYSE COMMUNICATION

ETI Relations Chart provides an overview of communication behaviour related to telephony, e-mail, VoIP, SMS, MMS, and fax. The software gives the investigator access to the targets' communication patterns and their network. Furthermore, it enables the him/her to build a profile on targets that are relevant to the investigation.

TARGET DEVELOPMENT

The ETI Relations Chart solution facilitates target development by structuring large amounts of metadata. After the structuring, the metadata is analyzed and one or more targets can be found and displayed. Having found an interesting connection, the investigator can focus on content and content analysis of his/her communication.

ETI Relations Chart

ETI Relations Chart is a simple, yet comprehensive analysis tool, which offers relational overviews of one or multiple targets' communication patterns.

VISUALIZE

One of the main advantages of ETI Relations Chart, is the software's ability to disclose high intelligence value from the intercepted metadata. The system offers visualization of large data sets and enables quick access and comprehension of complex scenarios. In brief, the solution helps the investigator identify how seemingly unrelated data and persons relate to each other.

CHOOSE VIEW

ETI Relations Chart has two relations views:

- **Communications identifier (ID) view** - The communications ID (e.g. e-mail address, telephone number, etc.) is used as identifier
- **Persons view** - The person's identity is used as a unifying feature for various forms of communication (e.g. e-mail address and telephone number)

The latter view facilitates analysis, as all communication related to one person is connected to the communicator. Examples of the views are shown on the opposite page.

CUSTOMIZE LAYOUT

The relations charts have two views: The Symmetric Layout (as shown on the opposite page) and the Hierarchical Layout. The former gives a centric view of the links, whereas the latter, arranges entries in horizontal layers.

Analyse networks

- And reveal key players



PERSON-RELATED DATA

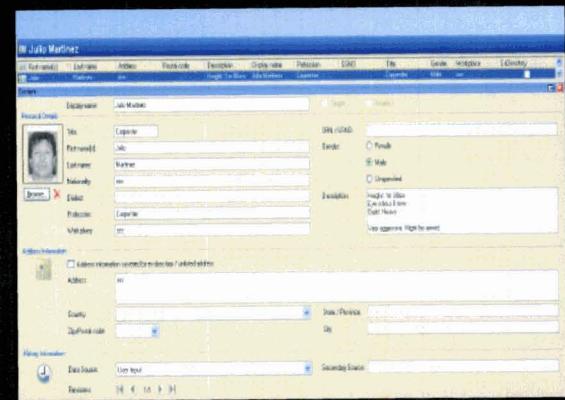
With large amounts of metadata, post-processing may require that the majority of the individuals in the network are disregarded and focus is on one or a few individuals, e.g. the person who connects two major networks. This is easily done by double clicking on the communication lines between these individuals. For each network member, callers, and calling parties, profiles can be created, based on the information that is accumulated over time. This information includes:

- Name
- Nationality
- Means of communication (telephone, e-mail, etc.)
- Notes
- Characteristics (IMSI, telephone number, etc.)
- Etc.

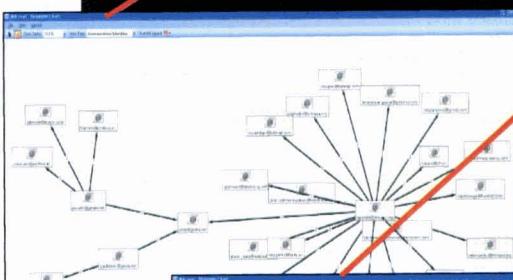
Pictures, video clips from surveillance recordings, etc. can be attached to the profile, to constantly elaborate on its content. This will give the analyst a detailed understanding of the target's behaviour and networks.

SEE THE INTERCEPTED DATA

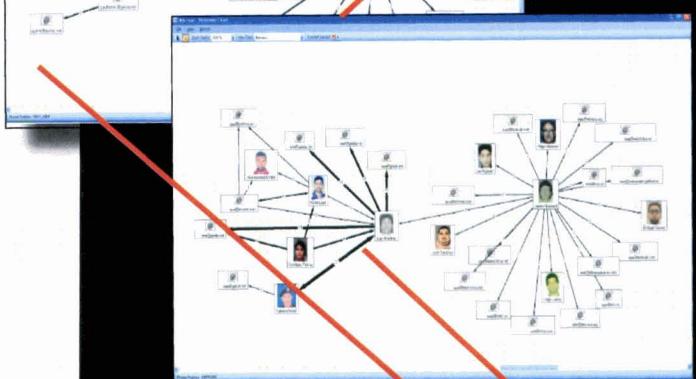
With ETI Relations Chart the analyst can start with a complex social network and isolate vital communication based on various targets' position in the network. The software lets the user double click on the links between people or communications IDs on the relations chart and get direct access to the data that has been intercepted (i.e. e-mail, VoIP, SMS, MMS, and fax). As such, ETI Relations Chart provides a framework that facilitates complete relations analysis of communication.



Communications ID view

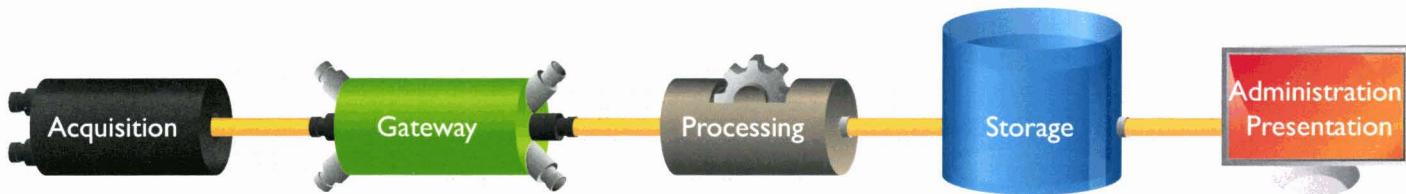


Persons view



Symmetric layout

Learn more about EVIDENT:



1.Acquisition

Unit collects data from multiple probes, network elements, satellites, or imports from other agencies, etc.

2.Gateway

Unit acts as the point-of-entry between the acquisition unit and the monitoring facility.

3.Processing

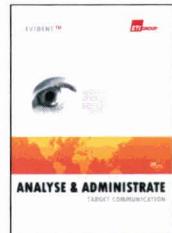
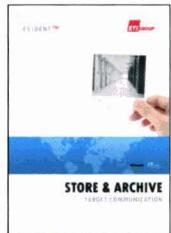
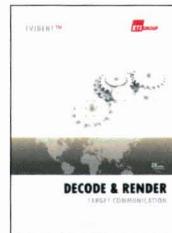
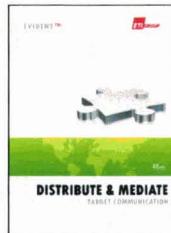
Unit reconstructs intercepted and turns collected events, bit streams, files, etc. into readable/audible intelligence.

4. Storage

Unit provides safe storage, where intercepted data is saved on one central database - Easy access and retrieval of information.

5. Presentation

User-friendly software which makes analysis and system administration easy.



ETI is the world's leading supplier of state-of-the-art monitoring solutions for Law Enforcement and Intelligence Agencies.

For further details, log onto our secure area at www.etiglobal.net

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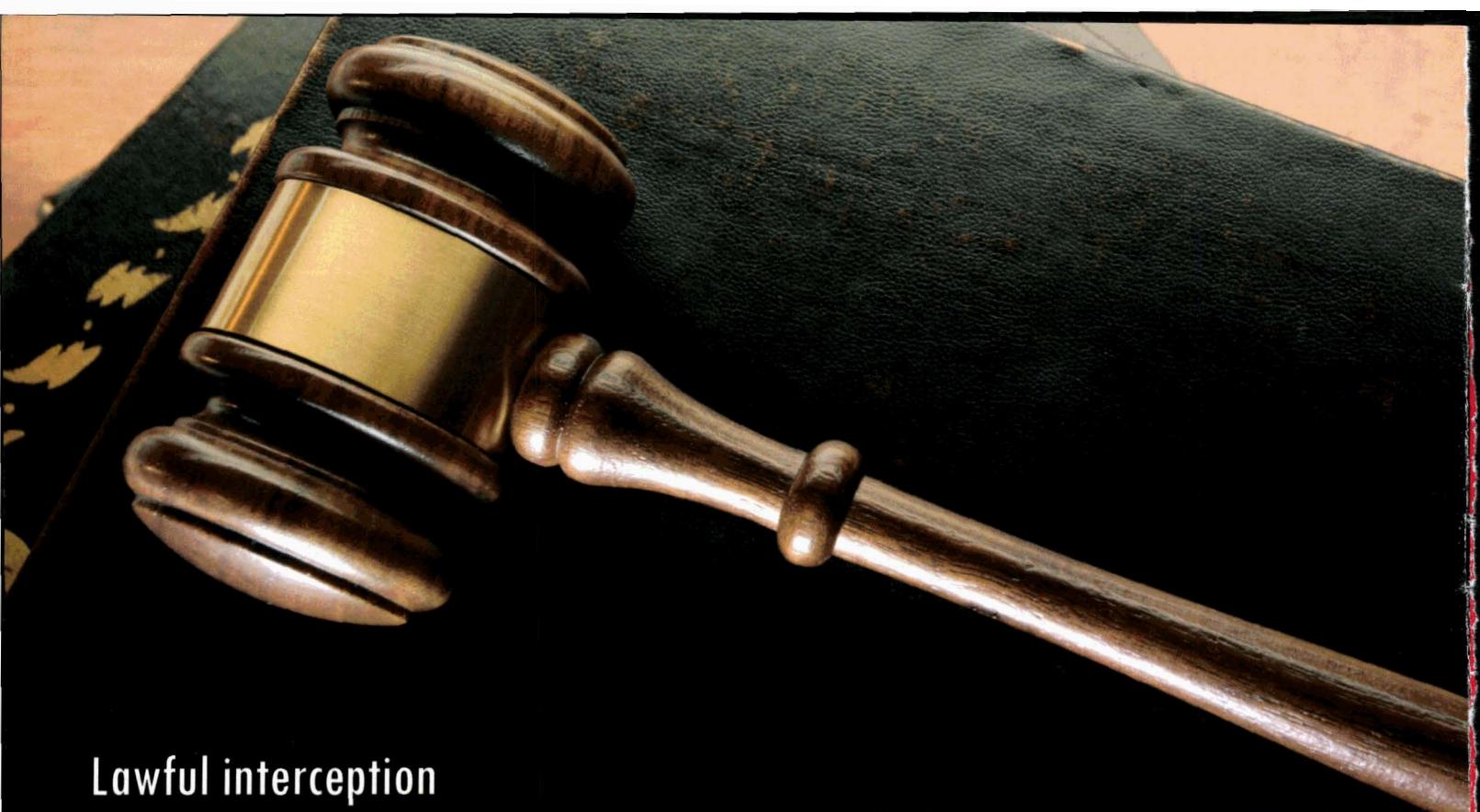
EVIDENT™



LAWFUL INTERCEPTION

TARGET SURVEILLANCE

EXCELLENCE THROUGH SPECIALISATION



Lawful interception

DETECTING AND PREVENTING CRIME

In order to understand the sophisticated communication methods used by criminals today, the police and other Law Enforcement Agencies (LEAs) need advanced technology, to:

- Prevent terrorism
- Protect children from paedophiles
- Reveal drug dealers or smuggling networks
- Prove tax avoidance or duty fraud
- Investigate economic crime
- Perform other kinds of domestic intelligence

Criminal targets leave digital evidence through communication habits. Consequently, their criminal activity can be revealed and stopped by intercepting and correlating their communication.

The investment and choice of a high quality interception system, to obtain, correlate and analyze communication, is the key to your success, in revealing criminal behavior and solving crime.

Making the right choice

ETI is the world's leading supplier of state-of-the-art monitoring solutions. Our EVIDENT solution is used for warrant based interception by many Law Enforcement Agencies (LEAs) and intelligence agencies all over the world.

EVIDENT - In brief

- State-of-the-art monitoring
- All-in-one integrated solution
- Reliable data collection
- Data security
- User-friendly data analysis

EVIDENT is an end-to-end interception solution used to collect, decode, correlate, and analyze specific target communication from a broad spectrum of networks, ranging from traditional telephony, through broadband IP, and wireless mobile networks, to satellites. The purpose of the solution is to reveal criminal behavior of targets and provide evidence for legal proceedings, when this is applicable by national law.



It is EVIDENT

Warrant-based communication monitoring

FINDING TARGET DATA

With the growing IP user bandwidth and Next Generation Networks (NGN), it is challenging to identify network interception points, to ensure coverage of all target communication. ETI can offer our expertise in analysing your network, and help you cooperate with your Communication Service Providers (CSPs), to find the best interception points for your system in circuit switched, packet switched, mobile, and satellite networks.

IDENTIFYING TARGET COMMUNICATION

In complex Internet communication, a target cannot be identified by a mere telephone number. In the EVIDENT solution, target identity is specified by applying target selection criteria, e.g. telephone number, IP address, e-mail, webmail address, chat nickname, VoIP Subscriber ID, combinations, etc. Keywords in communication can also be used as selection criteria, if permitted by national law.

FULL DECODING – PURE QUALITY

To identify communication 100% correctly, the decoding mechanism in the EVIDENT solution is based on a full protocol decoding concept, in which all application protocols are interpreted. As opposed to other mechanisms that might lack accuracy and could miss data, or even intercept the wrong information, full decoding ensures accuracy and recording of relevant and specific target data.

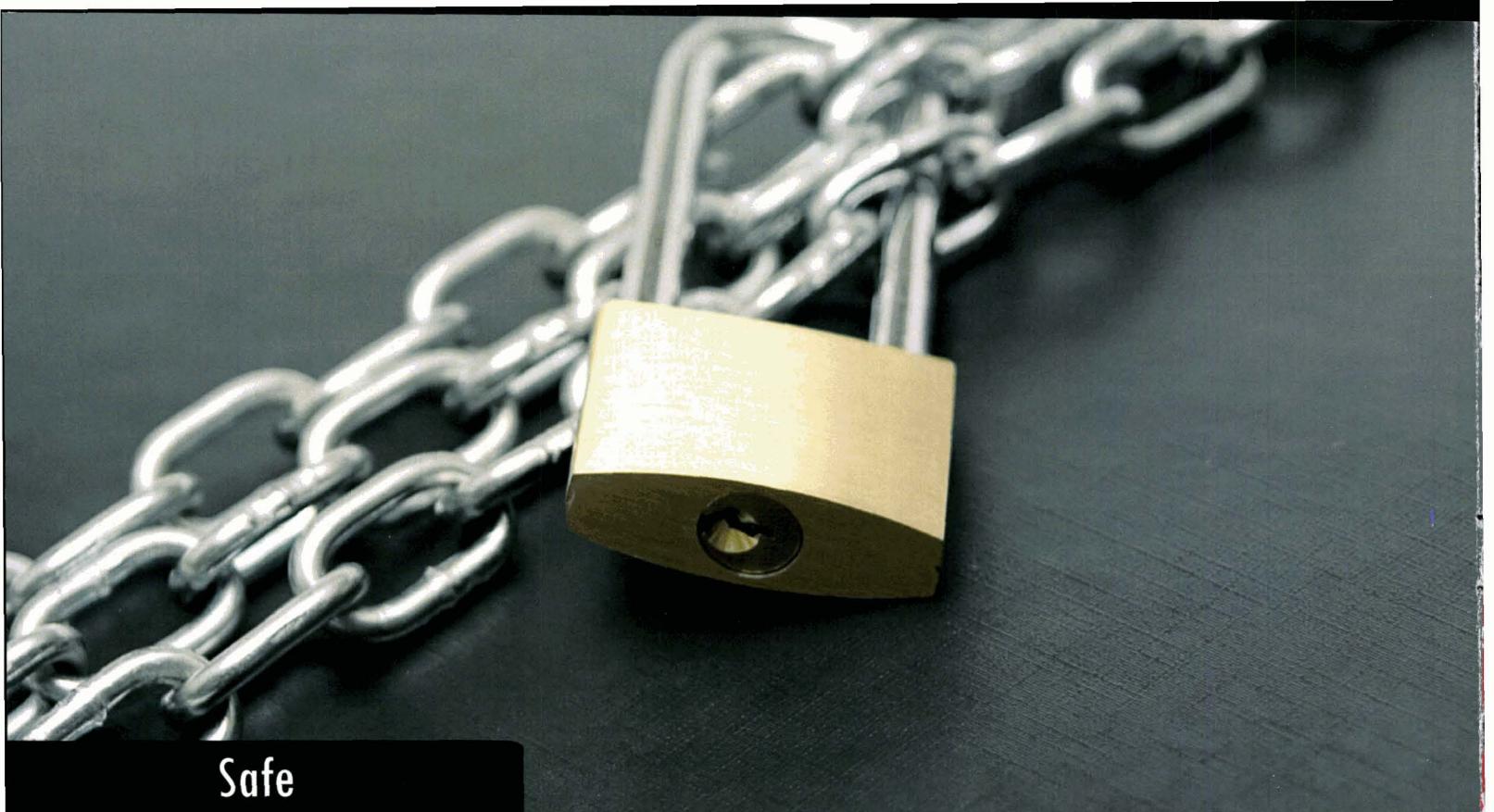
Exact data by EVIDENT

Correct interception

- + Full decoding
- + Specific selection
- = **Exact target data is collected**

Why choose ETI?

ETI has more than 25 years of experience in developing and producing monitoring solutions and 15 years of experience within the realm of IP monitoring solutions. Our impressive global track record makes us the natural choice when customers seek advice concerning monitoring technology. Our forte is our state-of-the-art monitoring solutions. This is why our customers continue to rely on ETI for the mission critical task of monitoring.



Safe

SECURITY

ETI understands our customers' need for security and discretion, when working with interception. EVIDENT is your assurance that your agency's information is collected strictly according to interception warrants. EVIDENT can adapt to various national standards for issuing warrants, and maintain adherence to legislation for secure handling of intercepted data. You can trust our solution to be handling the collected data carefully and making sure that it is not exposed to the target or the CSPs. The intercepted data is only made accessible to investigators who are explicitly granted permissions to the actual interception.

END-TO-END SOLUTION

EVIDENT is a fully scalable end-to-end monitoring solution in which all aspects involved in Lawful Interception are made easy. Our solution is safe, user-friendly, and gives you an easy overview of the intercepted data.

TIMELY WARNING

Timeliness is of vital importance since notifications on individual target communication can be a matter of life and death. As a defining feature, the Evident solution provides timely warning when the system hits on user-defined triggering criteria. This could be e.g. when a specific target is calling or sending an e-mail, etc. The warnings can be sent by SMS or e-mail, to the investigator in charge, or forwarded in real time to a cell phone or computer.

The 5 processes

EVIDENT is based on modules from 5 core processes. You can design a unique solution that matches your requirements, for a specific number of targets, or bandwidth requirements.

1. Acquisition – Obtaining data by provisioning network equipment, using passive probes, or interfacing to existing 3rd party Communication Service Provider (CSP) equipment. The acquisition process also handles data selection, conversion, correlation, and delivery, in different handover formats (HI-1, HI-2, HI-3).

2. Gateway – The single-point-of-entry to the Law Enforcement Monitoring Facility (LEMF), responsible for data collection from multiple CSPs, from circuit switched (TDM), packet switched (IP), satellite networks, or import from other agencies, partners, etc.

3. Processing – High quality decoding reconstructs intercepts and turns the collected communication, bit streams, files, etc. into human understandable information.

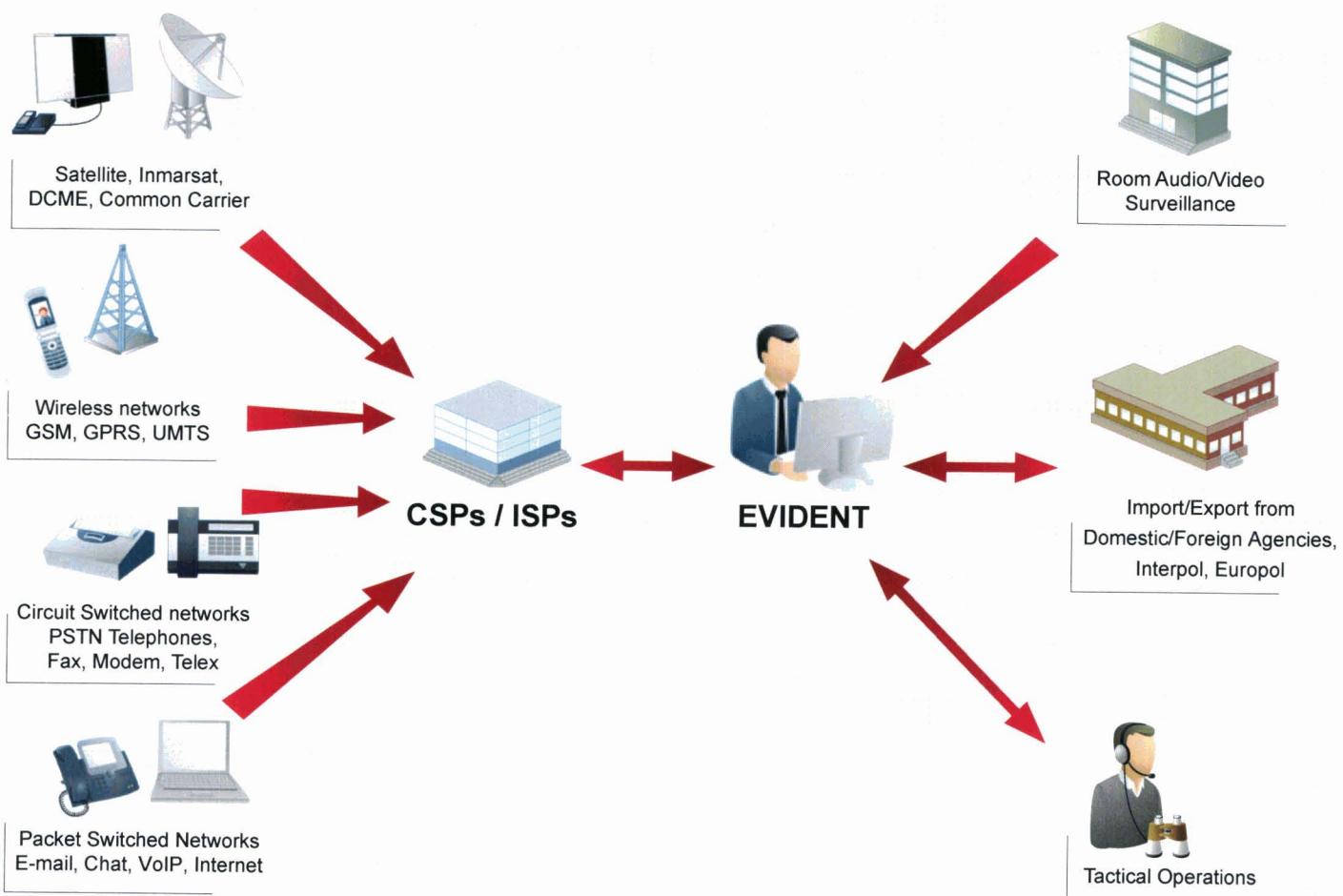
4. Storage – Secure data system, where all interceptions are saved in a central database system and are only exposed to assigned personnel.

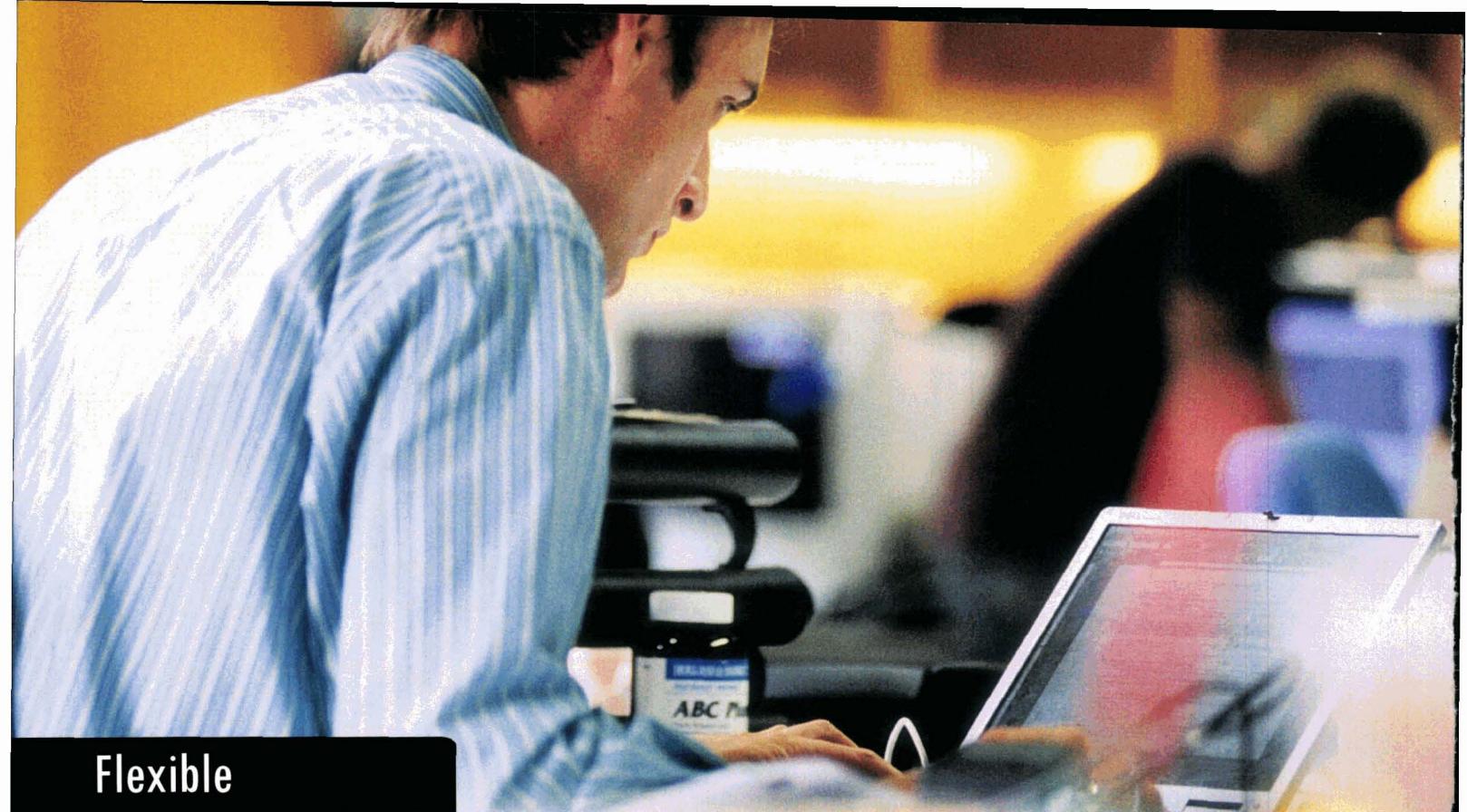
5. Presentation – Data presentation and analysis is made simple through intuitive software which facilitates the process of analysing and sharing information. All administration and Warrant Management is handled centrally.

Secure monitoring

End-to-end solution

EVIDENT unites all
monitoring tasks





Flexible

ANALYSIS – EVIDENT INVESTIGATOR

EVIDENT Investigator is a multimedia analysis and presentation center, which provides a platform for live analysis and presentation, of relevant collected information, e.g. chat, e-mail, web, VoIP, PSTN, GSM, GPRS, fax, modem, etc. Our software has been developed, based on the experiences and requirements of real-life police/intelligence agencies. Hence, it reflects the needs and requirements of its users.

PRESENTATION AND ANALYSIS

Successful information analysis relies on high-quality data and audio rendering. With EVIDENT Investigator, success is achieved through simple presentation of content and metadata, and easy overviews – The system's need for manpower is limited because it is based on an intuitive structure which can be mastered within minutes. Furthermore, it ensures an effective data handling and support of an internal workflow.

Flexible user interface

EVIDENT Investigator can be customized to different profiles and workflows, used by the customer's organization. The system's exceptional flexibility ensures a user interface which easily adapts to the user's requirements and IT skills.

Investigator - In brief

- **DATA OVERVIEW** - Simple and structured presentation of content and metadata.
- **MEDIA ANALYSIS** - Analysis tool which includes different media players (voice, e-mail, chat, web, etc.).
- **FLEXIBLE SEARCH** - Comprehensive search engine for detailed searches. Free text content search is also fully supported.
- **ANALYSIS TOOLS** - Help investigators analyze intercepts, by using graphical correlation charts, GIS (location tracking), etc.
- **SYNOPSIS AND TRANSCRIPTION** - Allow users to view, play, re-play and transcribe intercepted communication.
- **IMPORT/EXPORT** - Data can easily be exported and imported to and from partners, e.g. in Court Evidence Disclosure.
- **WORKFLOW** - Investigator's analysis tools give an effective workflow.
- **USABILITY** - Easy intelligence analysis.

Easy presentation

User-friendly analysis and administration

ADMINISTRATION – EVIDENT DIRECTOR

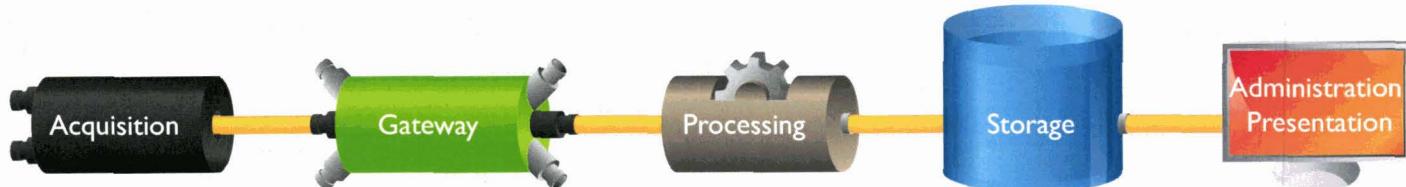
EVIDENT Director is a central administration program which enables users to control all aspects of a complete monitoring solution.

DEFINITION AND SELECTION

EVIDENT Director is used to set up targets, define cases, warrants and interceptions, and to select where interceptions should be deployed in different CSP networks. Users of Director may also specify the data format used by the monitoring facility, where relevant.



Learn more about EVIDENT:



1.Acquisition

Unit collects data from multiple probes, network elements, satellites, or import from other agencies, etc.

2.Gateway

Unit acts as the point-of-entry between the acquisition unit and the monitoring facility.

3.Processing

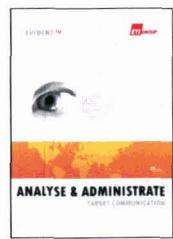
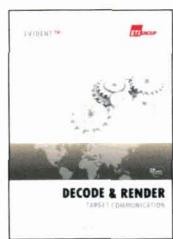
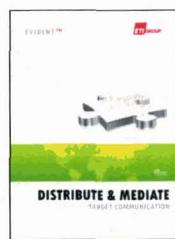
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User-friendly program/software which makes analysis and system administration easy.



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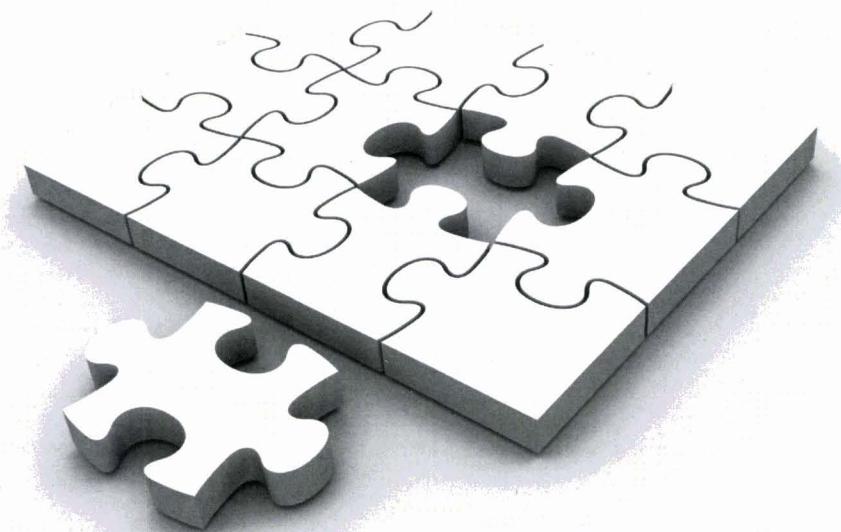
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LINC

LAWFUL INTERCEPT COMPLIANCE

Lawful Intercept

NEW LEGAL OBLIGATIONS

The Internet is arguably the most important medium for exchange of information. In order to facilitate reliable, efficient, and lawful monitoring of all types of communication, including the Internet, legislation is repeatedly changing. As a result, Communications Service Providers (CSPs) are continually required to fulfill new legal obligations for Lawful Intercept (LI).

FLEXIBLE SOLUTIONS

CSPs are obligated to monitor more and more services, for specific targets and hand over this data to Law Enforcement Agencies (LEAs). As requirements tend to be vague, they are difficult to manage by CSPs. To meet this challenge, ETI Connect provides products and solutions enabling CSPs to comply with their changing obligations, for the constantly changing requirements for Lawful Intercept.

LAWFUL INTERCEPT NETWORK CONNECTOR

To meet the increasing requirements involved in IP monitoring, ETI Connect has produced the LINC concept: Lawful Intercept Network Connector (LINC). LINC is based on design criteria that benefit all parties with regard to financial investment, time, and human resources.

LINC - In brief

- LINC is ETI Connect's concept for Lawful Interception.
- LINC enables CSPs to fulfill their current and future legal obligations for Lawful Interception.
- LINC is compliant with worldwide standards for Lawful Interception, including ETSI and CALEA (also known as ATIS/TIA).
- The LINC concept is based on a number of design criteria, with a common focus of creating a Centralized LI Mediation system that benefits customers in terms of financial investment, time, and human resources.

About ETI Connect

ETI Connect is a global provider of lawful intercept compliance systems, which enable reliable, efficient, and lawful monitoring of all types of communication. ETI Connect is part of the ETI Group – an international group of innovative companies with worldwide leadership within development and production of advanced analysis and efficient monitoring solutions, for all types of data and telecommunication networks.



ETI Connect

State-of-the-art communications monitoring

FINDING RELEVANT INFORMATION

Considering the huge amount of data that exists in modern CSP networks, it is a challenge for the CSP to identify, process, and distribute only the required information to the Law Enforcement Monitoring Facility (LEMF).

CUSTOMER NEEDS

ETI Connect provides solutions to overcome these challenges through our LINC product line. Development of all LINC products has been based on the needs and requirements of our customers. The result is a framework that can be tailored to meet the exact needs of CSPs, globally.



We believe...

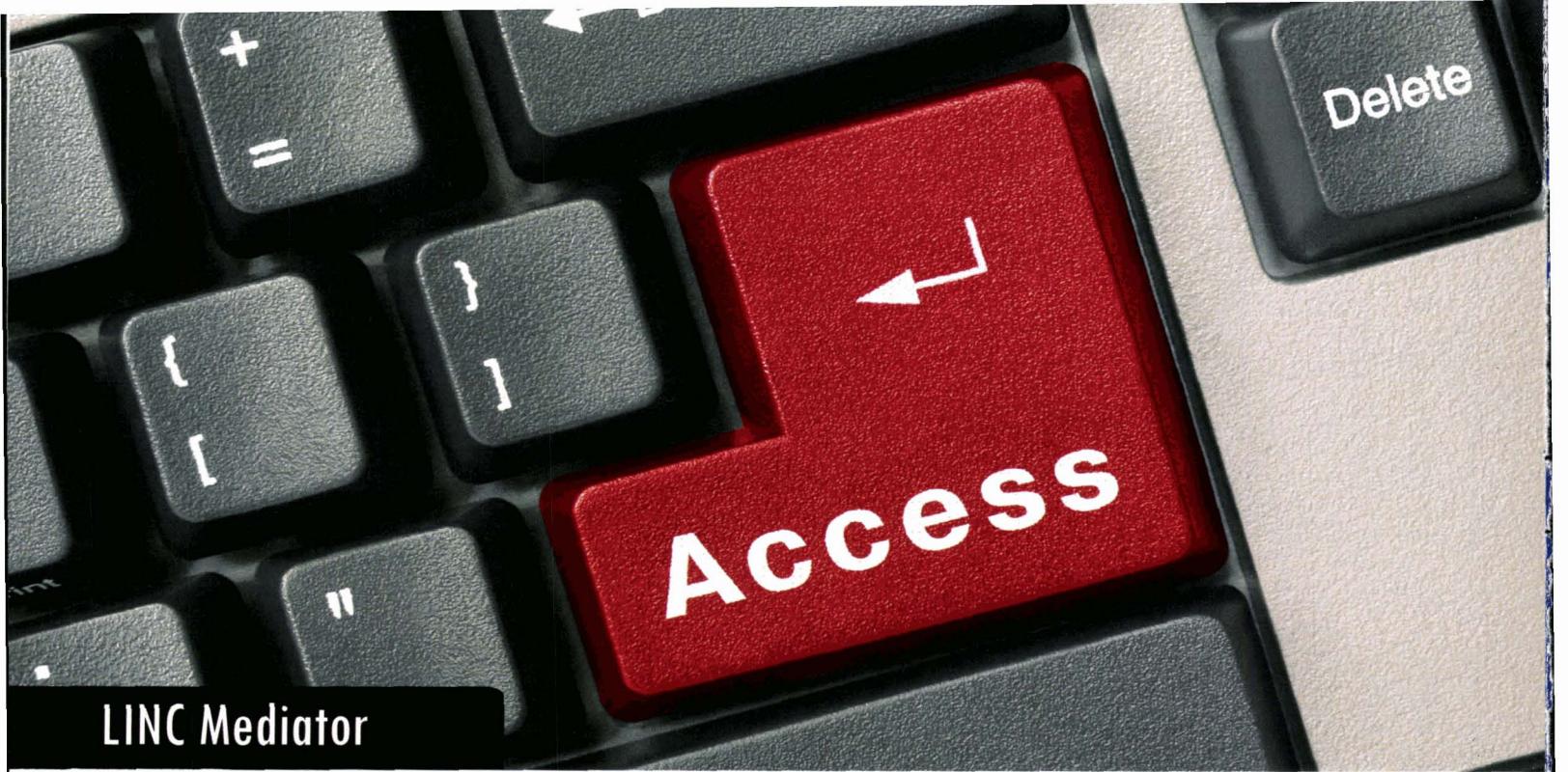
..... that Lawful Intercept solutions should be tailored to the network – and not the other way around.

We recommend...

..... that Lawful Intercept solutions should be based on features in the network elements, when possible.

ETI Group - Experience

ETI Group has more than 25 years of experience in developing and producing monitoring solutions. The past 15 years much of our focus has been within the realm of IP monitoring solutions. Our forte is our state-of-the-art monitoring solutions, combined with an impressive global track record of meeting customer needs. This is why our customers continue to rely on ETI for the mission critical task of monitoring.



LINC Mediator

MANAGEMENT, MEDIATION & HANDOVER

LINC Mediator™ is the core of the LINC concept. It is the central component for management, control, and configuration of the entire system. Furthermore, LINC Mediator™ performs LI mediation and handover of product to the requesting Law Enforcement Monitoring Facility (LEMF).

USER-FRIENDLY INTERFACE

LINC Director™ provides an intuitive and very easy to use interface for all system operations. This popular application simplifies day-to-day tasks as well as maintenance, initial set-up and configuration.

CENTRALIZED SYSTEM

LINC Mediator™ allows for configuration of the various inputs routers, switches, LINC X-Stream™ probes, or 3rd party equipment. Management of network elements, target set-up, distribution to the correct monitoring facilities, integrated audit, and optional billing of services is done via LINC Director™.

FLEXIBLE INTERFACE

LINC Mediator™ accepts streaming input from network elements and/or probes, and may be further integrated with existing monitoring functionality. Regardless of origin and transport media, all data is brought together in a single centralized system, for automated and converged distribution.

MEDIATION AND HANDOVER

Data mediation and handover are vital features of LI. LINC Mediator™ verifies the received data according to warrant information, converts the data into a standard output format, as required by the individual LEA and subsequently distributes the data to the LEMF. All processing is performed in real time, thus maintaining the ability to listen to audio and examine data "live". Distribution from LINC Mediator™ to the LEMFs is compliant with ETSI, CALEA (also known as ATIS/TIA) and other standards, as required.

Three handover interfaces

The unit provides all three handover interfaces: HI1, HI2, and HI3 (Authorization Channel, CDC, CCC), between the LEMF and the Service Provider.

Based on identification headers assigned during the acquisition phase, LINC Mediator™ determines which LEMF should receive what data. In case data has to be delivered to multiple LEMFs, the data is replicated without delay in the forwarding process. Note that it is also possible to deliver the same data in different output formats, both streaming and file-based.

Acquisition/mediation

Scalable, flexible, and secure

LINC X-STREAM™

In the event existing network equipment cannot provide the required LI functionality, the system may be further augmented with probes, (LINC X-Stream™). These probes passively interface to various line types, covering both WAN and LAN connections. Based on user-defined criteria, the LINC X-Stream™ probes acquire the requested data. Following acquisition, data is forwarded to the LINC Mediator™, which in turn distributes the required information to the correct recipient.

HIGH-PERFORMANCE ACQUISITION

The main task of the LINC X-Stream™ probe is to interface to various communication lines used to transport IP traffic. Furthermore, the unit processes the data and communication protocols (the protocol stack), to a point where data filtering can be performed. Output is forwarded to the LINC Mediator™ system, which in turn distributes the required information to the correct recipients. The output can be either in filtered form, or presented as raw intercepted traffic, depending on the requirements. All management of the LINC X-Stream™ units is done via the LINC Mediator™ system.



CONTINUOUS DEVELOPMENT

The LINC X-Stream™ probe is currently available for the following line types:

- STM1-16/OC3-48
- Ethernet 10/100/1000/10G

To satisfy our customers' requirements and the challenges they face, we are committed to continuously developing LINC X-Stream™ units, as new communication lines become available within the public networks.

Live monitoring

Timely delivery is a significant requirement faced by the CSP. This is accomplished by streaming data from LINC X-Stream™, or a network element , to the LINC Mediator™, and further on to the LEMF. This allows for live monitoring of intercepted traffic.

ENCRYPTION AND DIGITAL SIGNATURES

Optionally, the transport of data - from the LINC X-Stream™ unit to LINC Mediator™ and subsequently to the LEMF - can be adjusted to meet local security requirements. This can be achieved by securing the transfer with encryption, for example IPSEC or other customer specific encryption. In addition to protecting data, digital signatures may be added, to authenticate and verify data.



IP data retention

MEETING TODAY'S REQUIREMENTS

Data Retention is an issue currently being focused on by various standardization and legislation bodies, as CSPs have requirements for retaining data.

OVERVIEW OF NETWORK TRAFFIC

Data Retention basically refers to the monitoring of activities on a given network, without monitoring the actual content. Therefore, only header information is used for logging of activity. This provides a historic as well as a current overview of network traffic. ETI Connect has already made major advances in this field, and our LINC products can meet these challenges.

EXTENSIVE CAPABILITIES

Our current solution includes the capability to log and monitor:

- Overall network activities
- Activities for specific IP addresses
- Traffic based on other user-defined parameters

More specifically, ETI Connect is focusing on four main data categories, defined as ISP Data, E-mail Data, Web Activity, and other services, such as webmail, Instant Message, and P2P, that

will be supported in our Data Retention solution. The logged information is specific for each of the categories and contains data such as log-on, authentication user name, assigned and used IP addresses, from/to/cc e-mail addresses, URLs visited, and date/time of activity. Furthermore, the solution enables decoding of numerous protocols, including webmail, ensuring compliance to both current and future requirements for retaining data.

DATA LOGGING

Furthermore, services will be implemented as legislation is accepted in each country, and as ETI Connect has extensive knowledge about data logging in general. Providing a secure and reliable system in numerous countries is part of our strategy.

Protecting your network

LINC offers comprehensive statistical analysis and viewing of monitored data. This enables you to identify and track changes in traffic patterns, right down to a specific user. In addition to fulfilling LEA requirements, Data Retention is a valuable tool for CSPs to monitor misuse, unauthorized access, and/or malicious activity, so steps can be taken to protect their networks.

Future requirements

Reliable partners

VALUABLE PARTNERSHIPS

Through partnerships with leading manufacturers of network equipment, ETI Connect ensures seamless integration between a CSP's existing network elements and LINC Mediator (i.e. our mediation and handover devices). This limits investment and ensures easy implementation of the LINC products in the networks; thus, customers do not need to upgrade existing network equipment to comply with legal requirements.

COST-EFFECTIVE SOLUTION

CSPs can save significant resources by utilizing ETI Connect's solutions. The flexibility of ETI Connect's solutions ensures that future CSP needs are met. Furthermore our flexible solutions are cost-effective, as new ETI Connect units interface with the ones that already exist (and future products).

INTELLIGENT ACQUISITION

For existing equipment, our concept provides central management and mediation, as the LINC Mediator™ sub-system is designed to set up target data on both ETI and third party equipment. ETI Connect's acquisition units are highly intelligent, network independent, easy-to-install, and user-friendly. The result is a straightforward technical implementation of ETI Connect solutions in the network.

LAW ENFORCEMENT MONITORING FACILITY

As an additional part of the overall solution, ETI develops and supplies complete LEMFs that include tools for meeting the challenges of extensive IP monitoring. ETI's LEMF platform is made in an open format, giving our customers the best of ETI's expertise. Although the LINC concept can be used with any kind of LEMF, as delivery of data from the LINC Mediator™ is in a standardized format, we recommend taking advantage of ETI's extensive knowledge and decades of experience in data processing, storage, and presentation.

PROJECT IMPLEMENTATION

In the ever-evolving industry of data and telecommunication, the goal of ETI Connect is to fulfill the diversified requirements of our customers by solving their real needs. This is accomplished by delivering the most advanced, flexible, and user-friendly solutions in the world.

Keeping you updated

Once entered into a project with ETI Connect, our co-operation is an ongoing process. We understand that the development in the communications industry requires an outstanding after-sales service, to assure that systems are constantly updated to meet current and future needs. Our support and maintenance will keep you updated.

Service Level Agreement

ETI Connect understands the need for high-quality support and maintenance, to ensure optimal system performance and compatibility with the latest technology.

FLEXIBLE AGREEMENTS

Consequently, we offer flexible Service Level Agreements adapted to the specific needs of each customer. Elements can be added or omitted from the package, as needed. However, to ensure optimum performance of the equipment, ETI Connect always recommends:

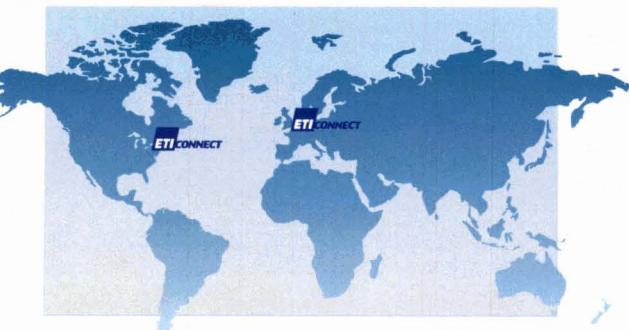
- Support hotline service with access to technical experts, 24/7
- Software updates of products
- On-site support engineer when requested
- E-mail support service

USER-FRIENDLY DESIGN

The flexible and user-friendly design of the LINC products, based on industry standard components, enables our customers to perform a significant level of self-support. On-site spares can be added to the Service Level Agreement, for immediate replacement of damaged or faulty system components.

TRAINING COURSES

Regular training courses ensure the highest level of competence for staff operating the LINC products. ETI Academy provides training courses that can be added to the Service Level Agreement. Training courses are offered on various levels, e.g. System Management and Administration, System Maintenance and System Operation.



ETI Connect has offices in Washington (US) and Nr. Sundby (DK).

ETI Group is the world's leading supplier of state-of-the-art monitoring solutions for Law Enforcement and Intelligence Agencies.

For further details, log onto our secure area at www.eticonnect.net

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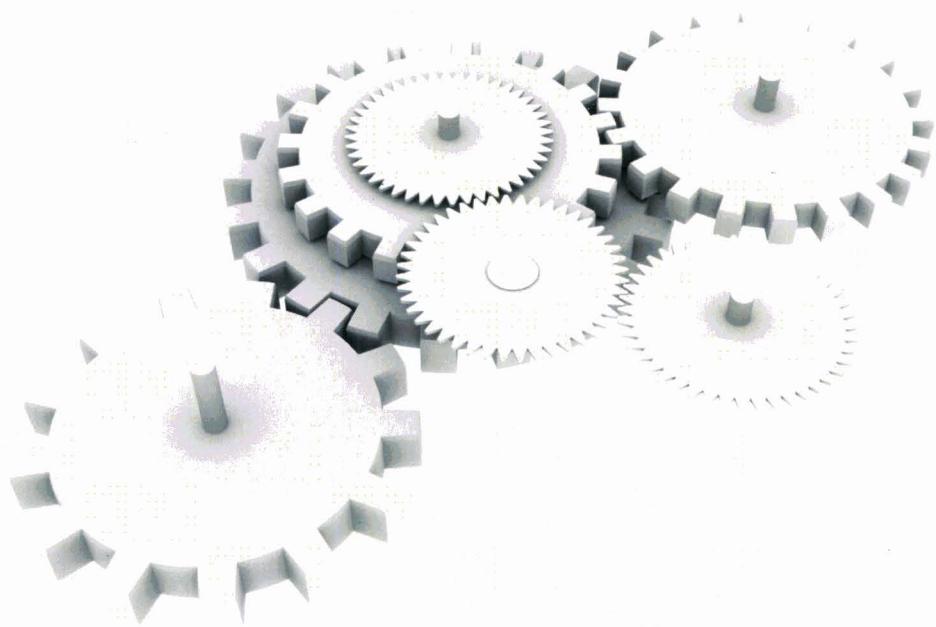
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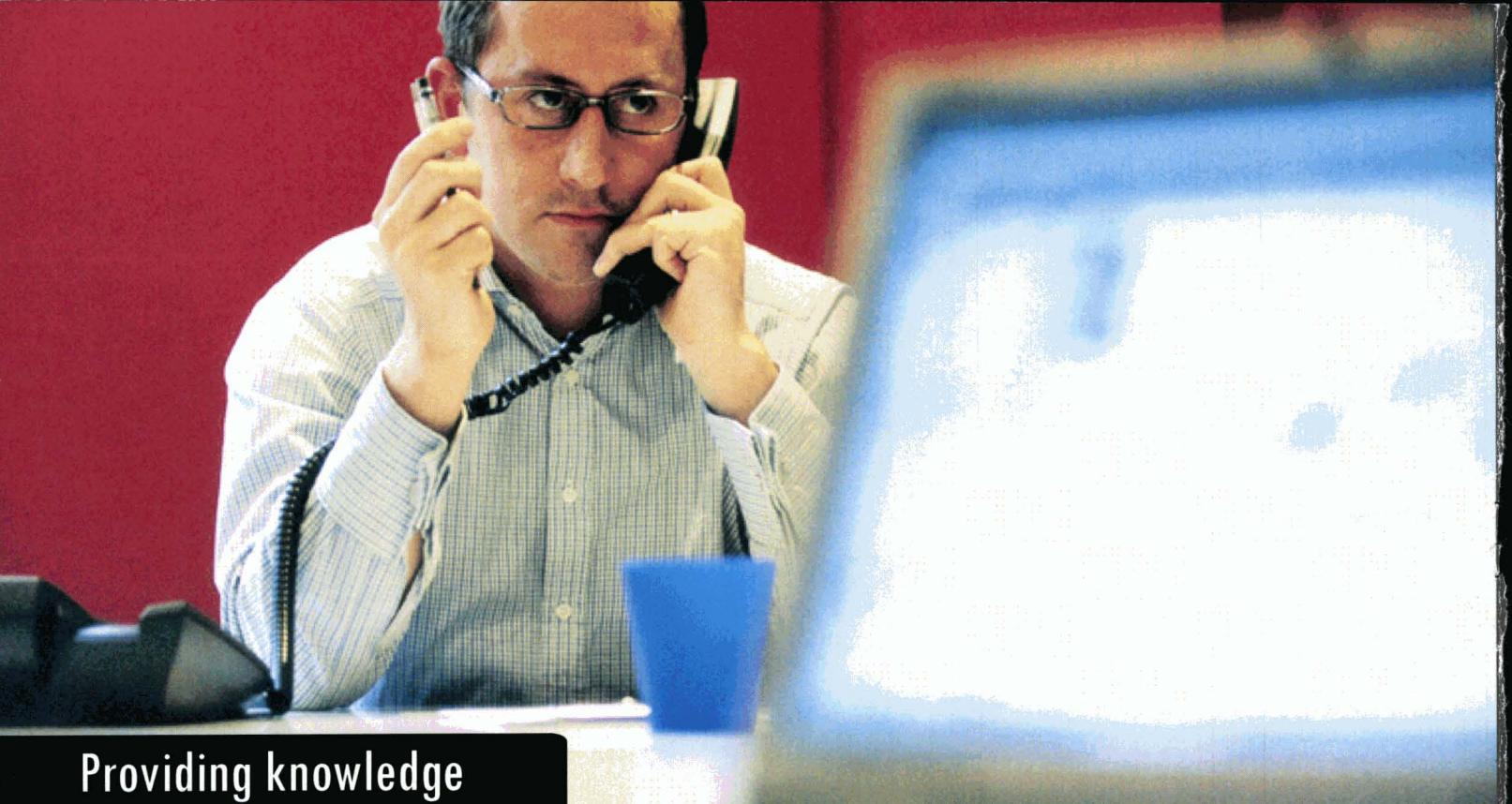
EVIDENT™



DECODE & RENDER

TARGET COMMUNICATION

EXCELLENCE THROUGH SPECIALISATION



Providing knowledge

PROCESSING - IN BRIEF

Data processing refers to any computer process that decodes data into information or knowledge, making it ready for analysis. The processing unit functions as the "engine" of an interception solution.

THE BEST COVERAGE

EVIDENT offers the best coverage of communication protocol processing and rendering of any commercially available solution. ETI takes this commitment very seriously and makes major investments in testing and development, to keep ahead.

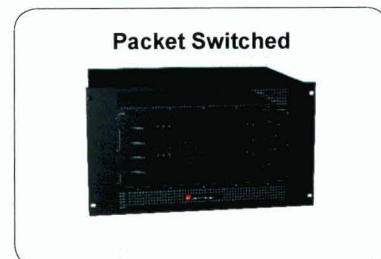
Operational features

- **Stability** – There is no single point of failure in the processing chain
- **Scalability** – It is possible to add processing capacity to the solution, on-the-fly
- **Load balancing** – The solution has a built-in automatic distribution of traffic
- **High availability** – There is an option for having a parallel redundant system located over two sites
- **Automatic restartability** – In case of system downtime, the system restarts automatically
- **Security** – In case of a component outage, there is no data loss (buffering)

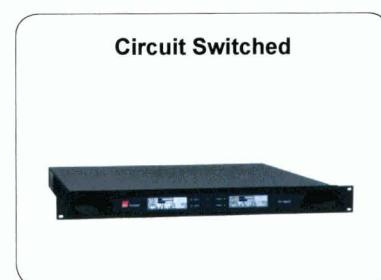
DATA INTEGRITY

The main objective of the EVIDENT processing units is to ensure data integrity. High-level data integrity is one of the defining features of the EVIDENT solution. Raw data is retained throughout the interception process, all the way from accessing, collecting, analyzing, to the sharing, or use (e.g. evidence material) of the intercepted data.

1. Acquisition

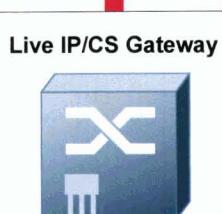


Packet Switched



Circuit Switched

2. Gateway



ETI LEMF Gateway

Live IP/CS Gateway

EVIDENT processing

Decoding information

NO DATA LOSS

EVIDENT processes IP data without any packet loss. Internet activity represents a constant flow of data and cutting packets introduces the risk of loosing data. ETI has solved this challenge by carefully assembling data packets, in a way that ensures no packet loss, in the process. Consequently, EVIDENT continuously processes incoming data and outputs each event as it occurs.

Did you know ...

... EVIDENT uses full decoding for IP interception, which produces the maximum quality for the interception and lessens the processing power spent on irrelevant and false hits.

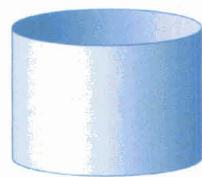
3. Processing

IP Processing Module



4. Database/Storage

Database



5. Presentation

Administration



CS Processing Module

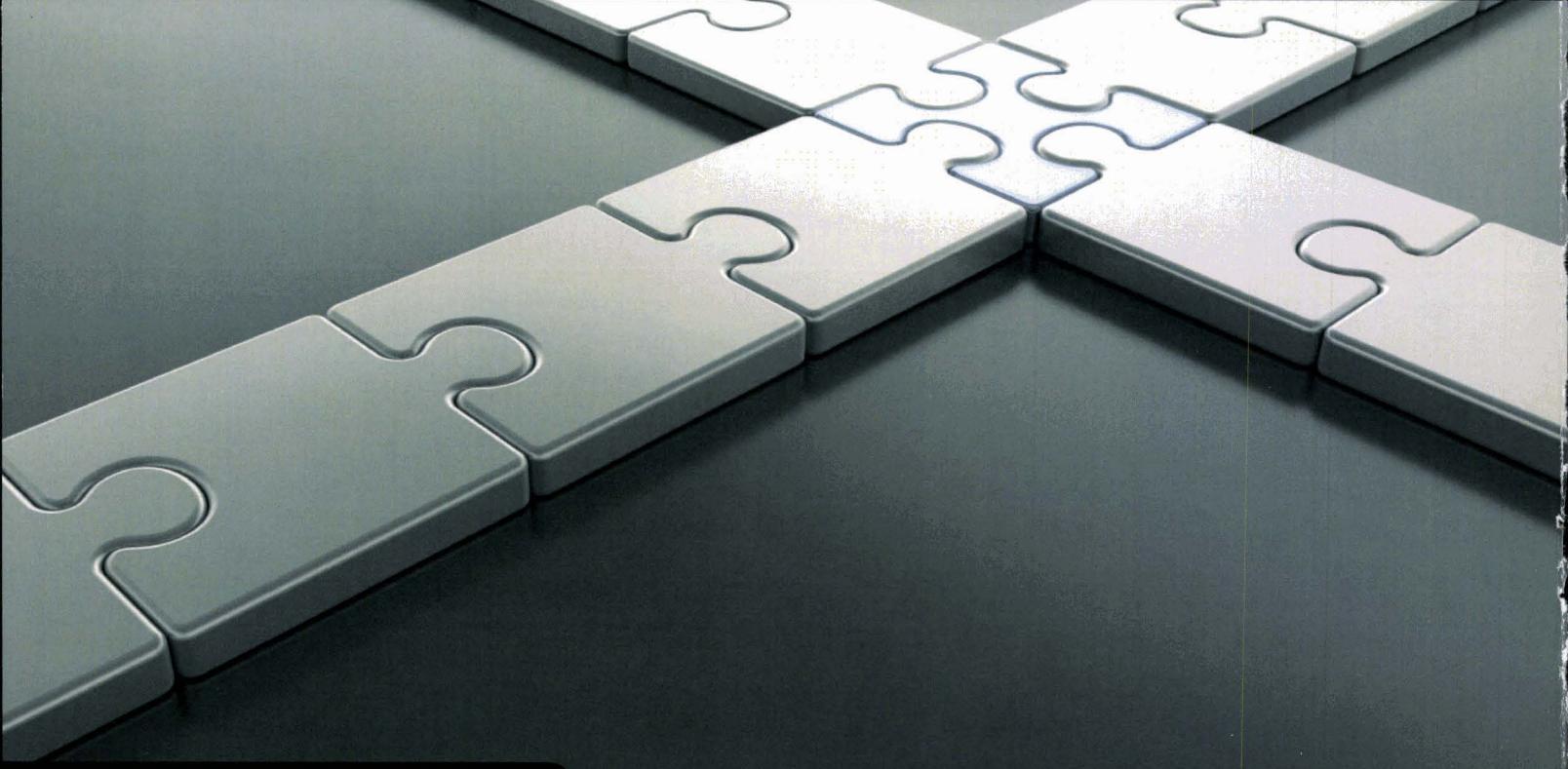


Storage



Analysis





Flexible

PACKET OR CIRCUIT SWITCHED

EVIDENT is an all-in-one monitoring solution, with integrated support for both packet switched and circuit switched communication. In short, our customers buy the modules they need, according to the amount of traffic and type of communication that is relevant to them.

SELECT YOUR MODULE

EVIDENT utilizes two main processing modules:

PS (IP)	X-Stream Processing module
CS	Trailblazer Processing module

X-STREAM PROCESSING MODULE

The X-Stream Processing module handles all IP based applications i.e. e-mail, VoIP, chat, Internet, etc. It decodes the output from the Demon X-Stream acquisition units in real time. The processing module decodes packet switched data delivered as streams and/or in a file-based format, and outputs decoded data ready for storage and intelligence analysis.

The X-Stream Processing module processes ~20 mbps (1000 targets). The module is scalable according to number of targets, or bandwidth requirements. As such it can be installed in parallel, to accommodate large solutions that cover multiple networks, sources, services, and applications.

X-Stream Processing Module

STANDARD E-MAIL

- IMAP
- SMTP
- POP3
- NNTP

WEBMAIL

- Hotmail
- Hotmail Live
- Yahoo classic
- Yahoo live
- Gmail
- Gawab
- Maktoob
- IslamOnline
- Naseej
- AltaVista
- Canada.com
- care2
- Email.com
- Excite
- Juno

VOIP/CHAT

- BuddyTalk
- CallServe
- PhoneServe
- Chat Anywhere
- CU world/CU pals
- Dialpad
- Digichat
- Eyeball Chat
- FlashTalk

WEB

- Lycos
- Mail.com
- NetAddress
- Netscape
- NetZero
- Onebox
- myway mail
- viproval.com
- mail2World
- AOL (9Mail + Webmail)
- everyoneMail
- Netmeeting
- Media Ring
- PCtoPhone (Polaricomms)
- Hotfoon
- Firefly soft phone
- ICUII
- Ipi Phone
- MIRC A43+A113+A119+080
- MS Chat
- ISPQ
- MecaMessenger over HTTP/TCP
- MGCP
- MSN Windows Messenger
- N2C, N2D (Net2Phone)
- 12planet
- AOL IM (over IP)
- Paltalk
- Peerme over TCP
- Real Chat
- eStara Soft phone
- Teamspeak
- Facebook
- Vypress
- Yahoo chat
- Yahoo lite
- YMSG
- Ventrilo
- IRG
- X-lite
- Efonica
- Net Telephone
- PicoPhone

SIGNALING/CALL SETUP

- H323/H225
- (Q931)/H245/H324
- IAX
- RTP
- SIP
- T.120

DATA LINK LAYER PROTOCOLS

- Cisco HDLC
- Frame relay
- L2TP/PPP
- Point to Point File Transfer
- AAMOS
- Mailbag
- FTC mailbag
- SkyFile
- PPP with TCP/IP
- Van Jacobsen

CARRIER

- N2PD (Net2Phone)
- RT
- IPsec
- PGP
- SMIME for e-mail
- SSL
- TOR
- Skype

ENCRYPTION DETECTION

Processing modules

Packet or circuit switched?

TRAILBLAZER PROCESSING MODULE

The Trailblazer Processing module analyzes and processes PSTN, fax, modem, telex, and ISDN transmission. It is available in either ~2 mbps (100 target), or ~20 mbps (1000 target) configurations.

The Trailblazer Processing module processes circuit switched communication delivered in a file-based format, and outputs decoded data ready for storage and data analysis. In the processing module, incoming transmissions undergo a sequence of processing services, in order to classify and decode them accurately. The Trailblazer Processing module is fully flexible. Services can be customised and custom developed tools can be inserted.

PROCESSING FEATURES

- Real-time processing
- Timely warning when predefined events occur
- Content based filtering
- Voice tools for Gender ID and Speaker ID
- Optical Character Recognition (OCR)
- Antivirus program
- Possible to make custom decoding plug-ins
- Detection of intercepted data, using unsupported protocols
- Export/import of encrypted data to/from partners

Trailblazer Processing Module

FAX CODECS

- Fax crypto detect

OTHERS

- NetBIOS
- Telnet
- FTP

VOIP CODECS

- (G.722)
- (G.723.1) - Celp Codecs
- (G.726) - (G.721 and G.723)
- (G.728)
- (G.729)

(GSM) - Used with Paltalk v6.10

Etc. For a complete list, please contact ETI.

PSTN VOICE

- 8,16,32 bit linear PCM
- (G.711) - a-law and μ-law

GSM MOBILE

- GSM voice
- SMS delivered via NOKIA gateway switch
- UMTS
- WAP MMS Protocol, v5
- WAP WSP/WTP
- H324/H245

FAX PROTOCOLS

- T.30 - PPS/EOP
- T.6 - Canon Express Protocol
- T.6 (MMR)
- T.81 (JPEG)
- T.85 (JBIG)
- T4 (MR, MH, ECM)
- Non-standard protocols - T4-Fujitsu,

Canon, Pitney, Bowes, OKI (detection), Sanyo, Sharp, etc.

MODEM PROTOCOLS

- V421/V42bis
- V44 compression
- MNP3
- MNP5
- MNP7
- V.110 ISDN
- V.120 ISDN
- IP over modem (same capabilities as the X-Stream module)

For a complete list, please contact ETI.

INMARSAT PROTOCOLS

- (ARQ)
- (ITA2 and IA5)
- (mM)
- (M4)
- (HighSpeed B)
- (InmarsatM) - IMBE

Future-proof

FLEXIBLE AND SCALABLE

Processing abilities directly reflect the ability to turn data into intelligence. ETI has worked with IP processing for more than 15 years. Our experience has shown us that it is impossible to predict the future of IP communication. However, ETI firmly believes that only flexible and scalable solutions will be future-proof.

FREQUENTLY ASKED QUESTIONS

■ CAN YOU DECODE SKYPE AND HTTPS?

Encrypted communication, such as Skype and HTTPS, is one of the major challenges in IP interception. ETI does not deliver decryption tools. However, EVIDENT detects and intercepts both Skype and HTTPS raw data. The data can be exported to other agency tools, for further analysis. Customers can also integrate their own processing tools, or features into EVIDENT, e.g. encryption keys, intrusion tools, etc.

■ CAN YOU DECODE WEB2.0?

EVIDENT decodes Web2.0, which refers to the interconnectivity and interactivity of web-delivered content.

■ HOW FREQUENTLY ARE DECODERS UPDATED AND HOW FAST DO YOU REACT TO CHANGES?

ETI is able to update decoders at a very short notice, depending on the impact of the application update. ETI is staying ahead of the development, and predicts changes, e.g. by analyzing beta releases, etc. With a subscription update, you will receive monthly updates as standard.

■ DO YOU PRO-ACTIVELY FOLLOW THE PROTOCOLS?

ETI carefully monitors protocols and applications, to constantly keep the processing modules updated. High usage applications, i.e. major global protocols, are checked on a daily basis.

■ WHAT HAPPENS WITH THE RAW DATA AFTER DECODING?

When the processing modules have decoded the intercepted product, it is forwarded to the X-Stream Database. Both decoded and raw data are sent to the database, in case you wish to use the raw data elsewhere, or reprocess the data later on.

If you have any questions relating to processing, ETI, or 3rd party products, ETI is always available to advise you concerning possible risks and opportunities.



Continuous quality

Full speed ahead

INVEST IN THE FUTURE

Internet applications are constantly changing, and so are the communication patterns of your targets. New versions are released with additional communications features, and new applications are taken into use. Some reach an exponential user growth in a very short time (e.g. Facebook).

NEED TO KEEP UPDATED

If processing and rendering capabilities are not updated, they degrade rapidly, resulting in less and less meaningful product.

Updates - Staying ahead

To maintain high accuracy, EVIDENT adapts to the frequent changes in Internet application protocols, by offering frequent updates to the decoding engine.

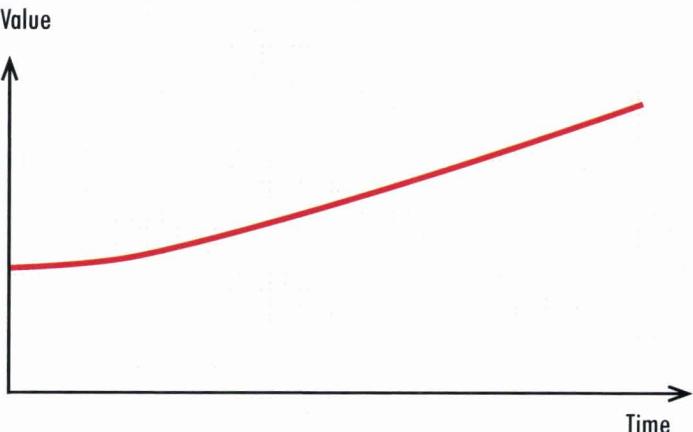
TAKING THE LEAD

Our customers can reap the benefits of this investment, by making a subscription to the processing modules in the EVIDENT solution. This gives them the possibility to:

- Have a professional to take care of the new requirements of Internet applications
- Automatically receive updates on changed applications
- Automatically receive decoders for new applications
- Detect and reprocess old data with new decoders, when applicable

A subscription entitles the customer to twelve releases per year, where the response to changes is guaranteed, dependent upon the usage level* of the protocol, as shown in the following graph:

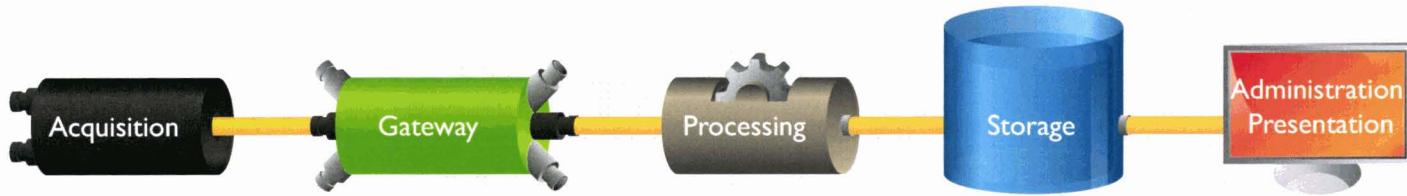
RETURN OF INVESTMENT



A subscription is your guarantee that the solution you buy today is ready to meet the challenges of tomorrow. Furthermore, the value of your monitoring facility increases over time.

*Usage is determined on a global basis and may differ regionally. If there is a different requirement, e.g. to accommodate regional high usage, special agreements can be made. Major changes e.g. in Hotmail Classic to Hotmail Live, may take a little longer, and in such cases the user will be informed as soon as possible. As previously stated, new decoders that are developed, are also distributed through the subscription (30 in 2008).

Learn more about EVIDENT:



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Unit collects data from multiple probes, network elements, satellites, or imports from other agencies, etc.

2.Gateway

Unit acts as the point-of-entry between the acquisition unit and the monitoring facility.

3.Processing

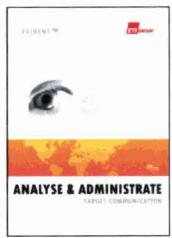
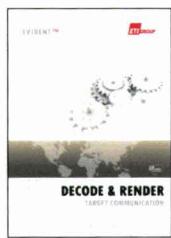
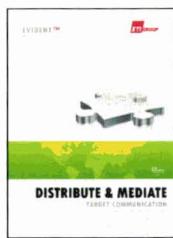
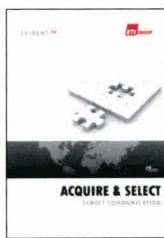
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Unit provides safe storage, where intercepted data is saved on one central database - Easy access and retrieval of information.

5. Presentation

User-friendly software which makes analysis and system administration easy.



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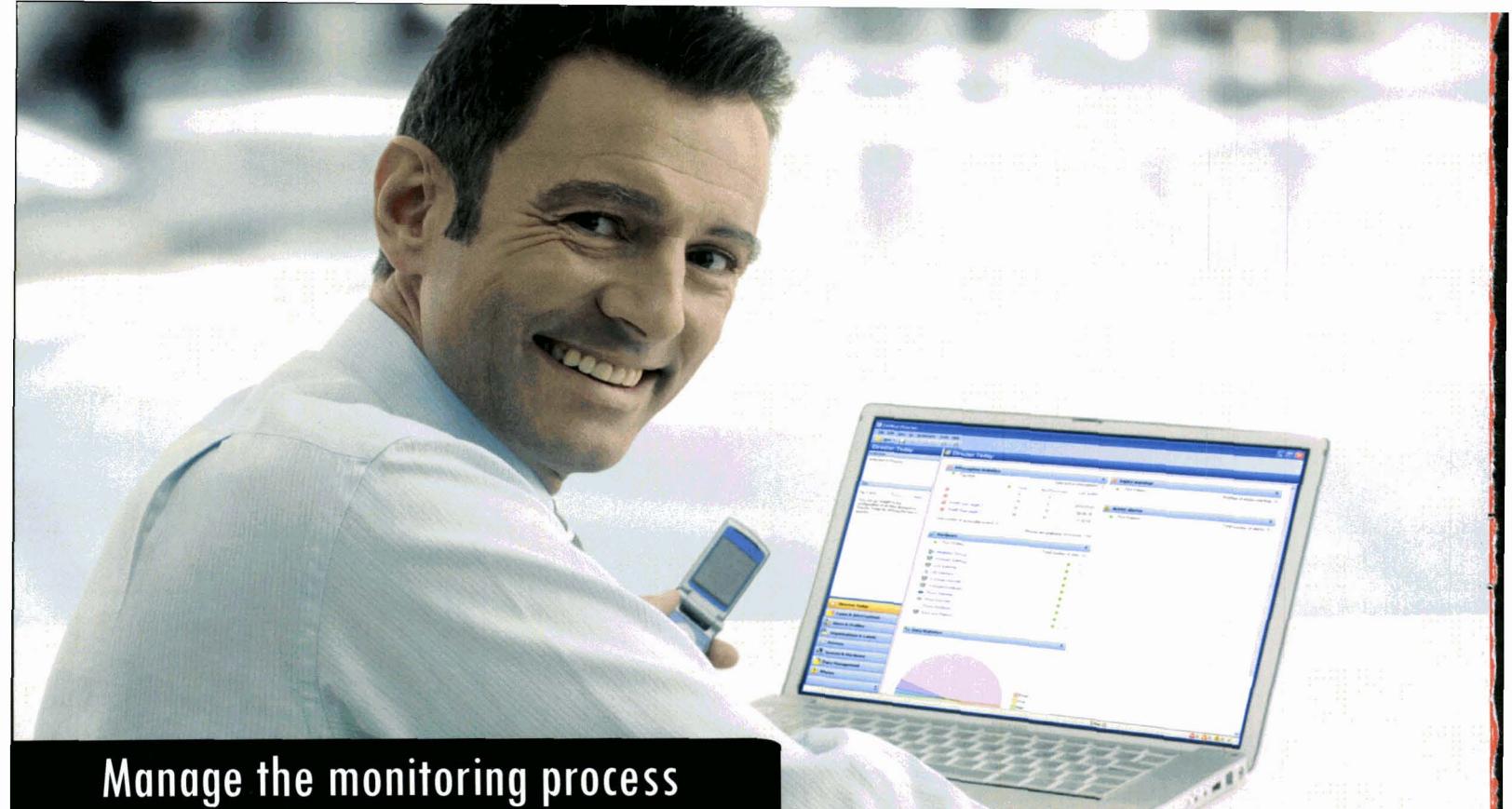
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EVIDENT™



EVIDENT DIRECTOR

MANAGE TARGET COMMUNICATION



Manage the monitoring process

EVIDENT DIRECTOR

 Flexible and user-friendly system management – The EVIDENT Director software is developed for law enforcement agencies. It is a multi-purpose administration program designed for central administration and customized configuration of the monitoring system, warrants, and system users.

EVIDENT Director's design and development is based on input from experienced administrators. Consequently, it is characterised by structured overviews and offers a complete management system with target, user, hardware, and status overview.

FLEXIBLE MANAGEMENT

EVIDENT Director is used to define target selection criteria, provision the acquisition units, and choose which Monitoring Facility to send the intercepted data to. Users are also able to specify the data output format, when relevant.

USERS AND PROFILES

Users and user profiles are created and maintained in EVIDENT Director. This allows the administrator to determine user access (i.e. what a user is able to open, see, and do). The application also performs audit of all database transactions and user activity.

Management features

- **CASE/WARRANT MANAGEMENT**
Electronic handling of all interception warrants. Definition of interceptions, setting up targets, by defining target selection criteria and deployment.
- **SECURITY MANAGEMENT**
Defining user profiles and access levels.
- **USER MANAGEMENT**
Granting access and profiles to the various users.
- **DATA MANAGEMENT**
EVIDENT has fully automated, built-in Information Lifecycle Management (ILM).
- **SYSTEM MANAGEMENT**
For technical administrators who maintain the operation of the system.
- **SYSTEM AUDIT**
The solution audits all user actions and ensures security and transparency.

EVIDENT Director

User-friendly system management

TECHNICAL FEATURES

EVIDENT Director is the only tool needed for administration of all EVIDENT X-Stream hardware units and system users. The system has a workflow where the user within seconds can get an overview of the daily activities, e.g. intercepts, hardware, users, etc. In addition to configuration and maintenance of hardware units, EVIDENT Director is primarily used to set up target selection criteria.

MONITOR THE TARGET

EVIDENT Director enables the operator to define interceptions, and arrange deployment of the monitoring equipment. Its structured overviews facilitate the work process and structures the acquired information. Easy access to vital information ensures an efficient workflow.

SYSTEM AUDIT AND TRANSPARENCY

Having access to large amounts of sensitive information, it is of vital importance that the collected data is protected from misuse. System audits ensure that the data is handled according to national legislation and merely is available to personnel according to their assigned roles.

USER MANAGEMENT

A user-friendly wizard enables the Super User (one of EVIDENT Director's profiles) to easily assign profiles to persons or groups, according to the level of access their role allows them.

User profiles

- **SUPER USER**
Has access to all Director functions except audit.
- **INTERCEPTION ADMINISTRATOR**
Is allowed to create and edit interceptions, view system alarms, and assign data management rules to interceptions.
- **TECHNICAL ADMINISTRATOR**
Is allowed to add and maintain system units, create and edit interceptions, view system alarms, and assign data management rules to interceptions.
- **USER AND INTERCEPTION ADMINISTRATOR**
Is allowed to create and edit interceptions, manage users and user profiles, view alarms and assign data management rules to interceptions.
- **DATA MANAGEMENT ADMINISTRATOR**
Is allowed to create and edit data management rules.
- **AUDIT ADMINISTRATOR**
Is the only user who has access to the audit functions but has no access to other functions.



Define selection criteria

TARGET SELECTION CRITERIA

Selection criteria management in EVIDENT Director is intuitive and facilitates correct and easy collection. The Director application has a wide range of predefined templates for, e.g. IP addresses, MAC addresses, etc.

EASY WORKFLOW

Target selection criteria can be logically grouped by the administrator, e.g. selection criteria belonging to a certain case, activity, etc. To optimize the daily workflow, target selection criteria can be saved as defaults, including distribution information, handover formats etc., so the administrator does not have to start over every time a new target is set up. The administrator can also upload files to associate, import, and integrate external data related to a particular case or warrant.

DISTRIBUTION

Distribution of target selection criteria to specific CSPs is controlled from EVIDENT Director. The selection of recipients of the intercepted data is also controlled here. Whenever a target selection criterion is distributed, the administrator will receive confirmation whether or not the criterion was distributed successfully.

DIRECTOR TODAY - HERE & NOW

In the Director Today view, the administrator can see what target selection criteria are generating hits and the number of hits that are being generated.

Target selection criteria

- E-mail address
- Ethernet mac address
- Ethernet VLAN
- IP address
- Phone/fax number
- User login name
- VoIP phone number
- Webmail login name
- IMEI/IMSI

If permitted by national law, the following interception criteria can also be applied:

Chat nickname, chat keywords, chat present, e-mail present, e-mail keywords in body, e-mail keywords in subject, Ethernet VLAN, FTP login name, FTP present, import (e.g. PCAP), user present, VoIP participant, VoIP present, web post, web present web URL, webmail login name, etc.

Control

Overview

Manage **interceptions**

User-friendly

SECURE data management

Structure

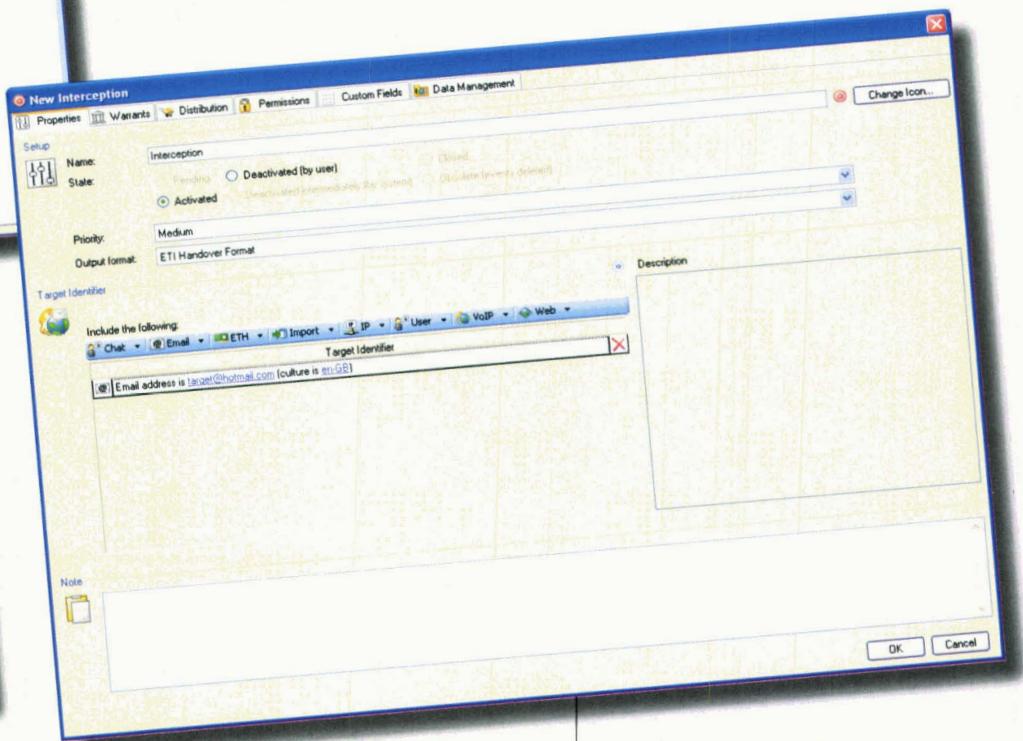


Easy workflow and user administration



Director Today

Director Today shows system and warrant status. It provides an easy overview of the monitoring centre and displays items in a 'traffic light' format for fast troubleshooting.



Organisations & Labels

- Organisations & Labels
 - + Courts
 - + Public Prosecutors
 - + Labels
 - Car bomb
 - Espionage
 - For English translation
 - Terrorism
 - Service Providers

Labels

A label is basically a tag that can be assigned to an event, e.g. to aggregate events belonging to the same topic, task, or another user-defined category. Intercepts grouped under a label can easily be exported.

Selection criteria

Warrant provisioning in EVIDENT Director. A number of templates are available for setting up targets.

EVIDENT Director

Manage the monitoring facility

The Audit interface allows users to search for actions performed by specific users or groups over a defined time interval. It includes fields for 'From' and 'To' dates, a 'Users' list (with checkboxes for 'All' and individual users), and filters for 'Operations', 'Applications', 'Machines', and 'Max Results'. A 'Criteria' section is also present.

Audit

Complete overview of all actions performed in EVIDENT Director or by EVIDENT Investigator users. For each operation performed, the system logs activity, PC ID, user ID, etc. Audit contains a search dialogue, which easily locates operations performed by the individual users within certain time spans.

The Users & Profiles interface displays a tree structure for managing user profiles. It includes categories for 'Profiles' and 'Users', with sub-items like 'User group 1' through 'User group 4', and individual users 'User 1' through 'User 4'.

Users & profiles

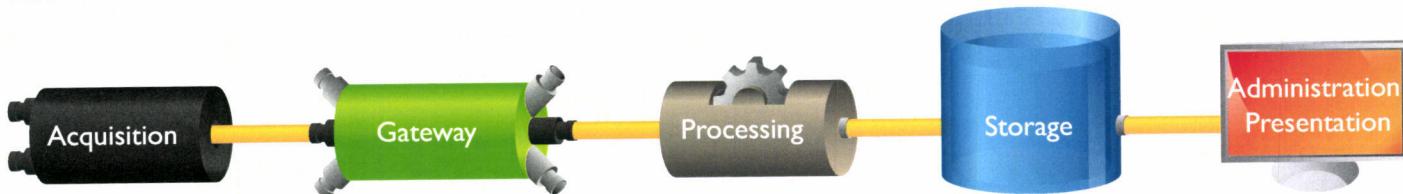
A user profile is a definition of which viewers to load, the level of details displayed in the collected material and user rights. User profiles are assigned to a single user or a group of users. The system comes with four default user profiles.

The Alarms interface features a main menu with options like File, Edit, View, Go, Bookmarks, Tools, Help, and a toolbar with icons for New, Open, Save, Print, and others. The 'Alarms' section on the left lists 'Active Alarms', 'Archived Alarms', 'Alarm Distribution Lists', and 'Alarm Configuration'. The 'Active Alarms' window shows a table with columns for State, Source, Title, Time on, Time off, Time acknowledged, and Acknowledged by. Filter options include Time Span, Source, Severity, and Max Results.

Alarms

An alarm window displays current, as well as historic, system alarms. Furthermore, graphs show status information on the different hardware units. The user is also able to search for archived alarms using multiple search parameters such as time, unit, severity, etc.

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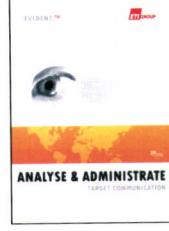
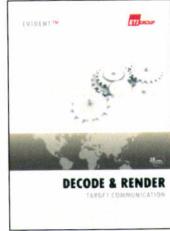
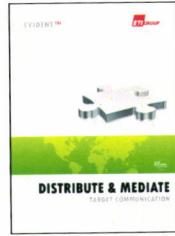
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