



NiceTrack™ Passive Interception for Packet Data and VoIP Networks

NiceTrack passive interception solutions for packet data and VoIP networks enable Law Enforcement Agencies (LEAs) and intelligence organizations to filter and extract data and voice delivered over IP links. NiceTrack offers rapid deployment with minimal intervention by network operators; secures the integrity of intercepted data; and makes certain that the identity of your target remains undisclosed.

Insight from Interactions™

NICE®

Key Benefits

NiceTrack handles all types of packet data and VoIP protocols on a single platform. With NiceTrack you can analyze, intercept, and process events, as they happen. NiceTrack enables LEAs and intelligence organizations to enhance operational capabilities with a software based non-intrusive technology. NiceTrack offers:

- **Fast, Effective Interception:** Intercept and deliver Intercept Related Information (IRI) and Call Content (CC) data over a variety of IP link types using standard or proprietary interfaces.
- **In-Depth Multi-Layer Filtering:** Filter traffic data based on unique and complex identifiers associated with target communication up to the application layer (e.g. IP address, port number, email address, VoIP phone number, keywords and identifier combinations).
- **Industry Compliance:** NiceTrack solutions are fully compliant with ETSI (including TS 102 232-x), CALEA (including T1.IAS and T1.678v2) and other regional and country-specific lawful interception regulations and standards.
- **Performance Driven Operation:** Utilize NiceTrack IP probes to filter and extract huge quantities of data delivered simultaneously over highly loaded IP links. NiceTrack solutions are based on commercial-off-the-shelf components to facilitate periodic hardware upgrades.
- **Multi-Probe, Multi-Site Delivery:** Analyze and extract traffic data transmitted over multiple IP links located at various locations.
- **Automatic Data Record Collection:** Gather Call Data Records (CDRs) and IP Data Records (IPDRs) for intercepted VoIP and packet data events. Deliver and store data in a standard or proprietary format.
- **Seamless Integration:** Create seamless integration with NiceTrack Monitoring Centers and other interception platforms to create a hybrid solution for both passive and active interception.

Flexible and Scalable Deployment

NICE Systems helps you to keep pace with changing operational needs. NiceTrack interception and mediation solutions can be deployed in a standalone configuration or integrated with many different types of networks to create a converged system environment. NiceTrack offers a fully scalable solution suitable for both local and nationwide interception needs. With NiceTrack you can add new sites, protocol types and services or expand your system capacity from tens to hundreds of IP links.



Interception Features

NICE Systems has field proven experience in the deployment of interception solutions for major LEAs and intelligence agencies worldwide. We offer the widest range of features for both Packet Data and VoIP networks. NiceTrack enables you to intercept TDM, VoIP and packet data.

■ Packet Data Networks

NiceTrack analyzes and intercepts traffic data based on advanced filters, and handles 'fuzzy' applications and services running on packet data networks.

Protocol Type	Technical Description
Link Layer	Ethernet, PPP/HDLC, SLIP, MLPPP, VLAN, WiFi, STM, ATM, PPP Compressions (VJ, MPPC), H.223 Framing, MPLS, PoS
Network & Transport Layer	IP, TCP, UDP, L2TP, WTP, SCTP
Access Protocols	Radius, DHCP
Email & Webmail	POP3, SMTP, IMAP4, MIME over HTTP etc.
Chat and Instant Messaging	IRC, ICQ, PALTalk, MSN Messenger, Yahoo Messenger etc.
File Transfer	FTP and Passive FTP
Newsgroup	NNTP
Web Browsing	HTTP, MMS, WSP
Peer-to-Peer	Kazaa, DC++, Gopher
Miscellaneous	Telnet, DNS

Interception Criteria Type	Technical Description
Packet Based Filters	Combinations of MAC address, IP address, port number, RADIUS (username, CLI), DHCP (MAC address, host name, cable modem MAC address), ATM VPI/VCI etc.
Application Based Filters	Combinations of email address, email user name, webmail address, host name URL, keywords etc.

■ Voice Over IP Networks

NiceTrack extracts signaling and content information and performs smart interception for a variety of Voice over IP protocols and applications. NiceTrack supports interception criteria such as phone number, nickname, SIP URL etc.

Protocol Type	Technical Description
VoIP Signaling	SIP, H.323, MGCP, Megaco (H.248), IAX2, SIGTRAN, TALI, Skinny etc.
VoIP Content	RTP, RTCP

