Internet Data Recorder
IDR-1000



Nusoft IDR-1000, a full-featured Internet content recording and management device, can be seamlessly incorporated into Active Directory service to faithfully record visited webpages, email messages (both client- and Web-based), instant messages (Skype (including voice calls), Yahoo, ICQ, QQ, etc.), FTP file transfers and Telnet sessions. In addition, its Web Filtering capability helps protect business information assets and prevent employees from cyberslacking, greatly facilitating network management.

Product Features

Full Network Recording Capabilities

IDR-1000 is capable of recording common Internet activities, such as Web surfing (HTTP pages), email messaging (both client- and Web-based), instant messaging (Skype, Yahoo, ICQ, Google Talk, QQ, etc.), FTP file transfers, and Telnet sessions. Network administrator may effortlessly spot cyberslacking activities when they occur.

Skype Telephony Recording

In addition to instant message recording, IDR-1000 also features Skype telephony recording. The caller and receiver's voices are separately placed on two different channels for easy distinction between the internal (on the left channel) and external (on the right channel) Skype users.

Web-based Email Analysis

Most conventional Internet content recorders simply cache Web-based email pages to record its usage, and consequently winding up with a few simple search criteria (website visitor, date of visit, website address, etc.), which makes locating an email a challenging task. In comparison, IDR-1000 parses email headers for search criteria, providing users with an easy search method by sender, recipient, subject, content, attachment, and more.

Web Filtering Mechanism

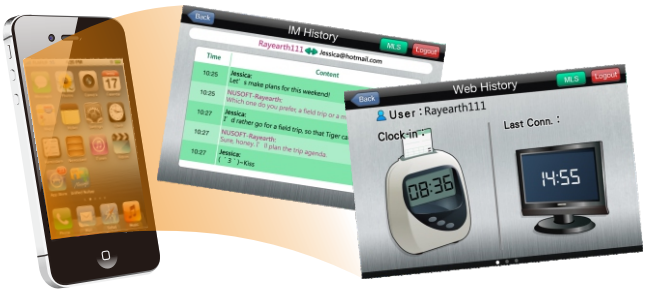
The Web Filtering mechanism employs a cloud-based URL database which is categorized into Anti-Social and Illegal, Pornographic and Abusive, Gaming and Gambling, Society and Commerce, Communication and Technology, Leisure, Information and Education, Other, and further categorized into sixty-four subcategories. Web access can be easily managed by the category instead of a URL, keyword, etc.

Intuitive User Experience

The language barrier is eliminated by supporting English and Chinese (traditional & simplified). Additionally, a vast range of statistics, such as system resource utilization and network traffic, are visualized in graphs for better diagnosis.

Mobile Supervision (via mobile app)

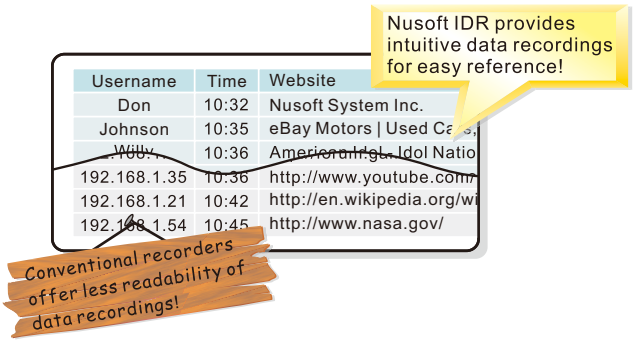
Supervisors are offered with a dedicated mobile app (available for iOS and Android devices) to perform employee supervision on the go. Simply by installing it onto a mobile device, you can gain an instant insight into employees' network activities.



Easy Data Browsing & Searching

IDR-1000 features user-centered design (UCD) to offer clarity and accessibility to non-IT experts (such as supervisors), by which it provides the following:

- UTF-8 character encoding: Displays emails in multilingual contexts, ideally suited for international business correspondence.
- Intuitive reporting interface: Offers user-friendly layout and plain descriptions, making supervision an easy task for supervisors.
- Various data categories: Presents data recordings by user, service and individual logs of the day (Today's Log).
- Extensive search criteria: Assists network administrators to easily locate the desired data recordings.



Various Data Recording Bases

To accommodate different network environments, IDR-1000 allows user's Active Directory (AD) account, authentication name (an alternative when AD service is not feasible), IP address, or MAC address to be used as the recording basis.

Anomaly Traffic Detection

IDR-1000 is capable of proactively blocking DoS attacks (requires Bridge deployment) as well as notifying the victim user and network administrator at the initial stage. A core switch may be incorporated to perform a co-defense by disabling the switch port containing the source of the attack.

Hierarchical Management

When it comes to tens of thousands of network logs, it takes more than one person to review. Consequently, hierarchical management is the ultimate solution to the issue. By assigning superiors to supervise their unit using the grouping feature, it not only efficaciously reduces the management load but also helps prevent the sensitive business information from unauthorized access (only accessible by designated personnel).

Internet-based Application Blocking

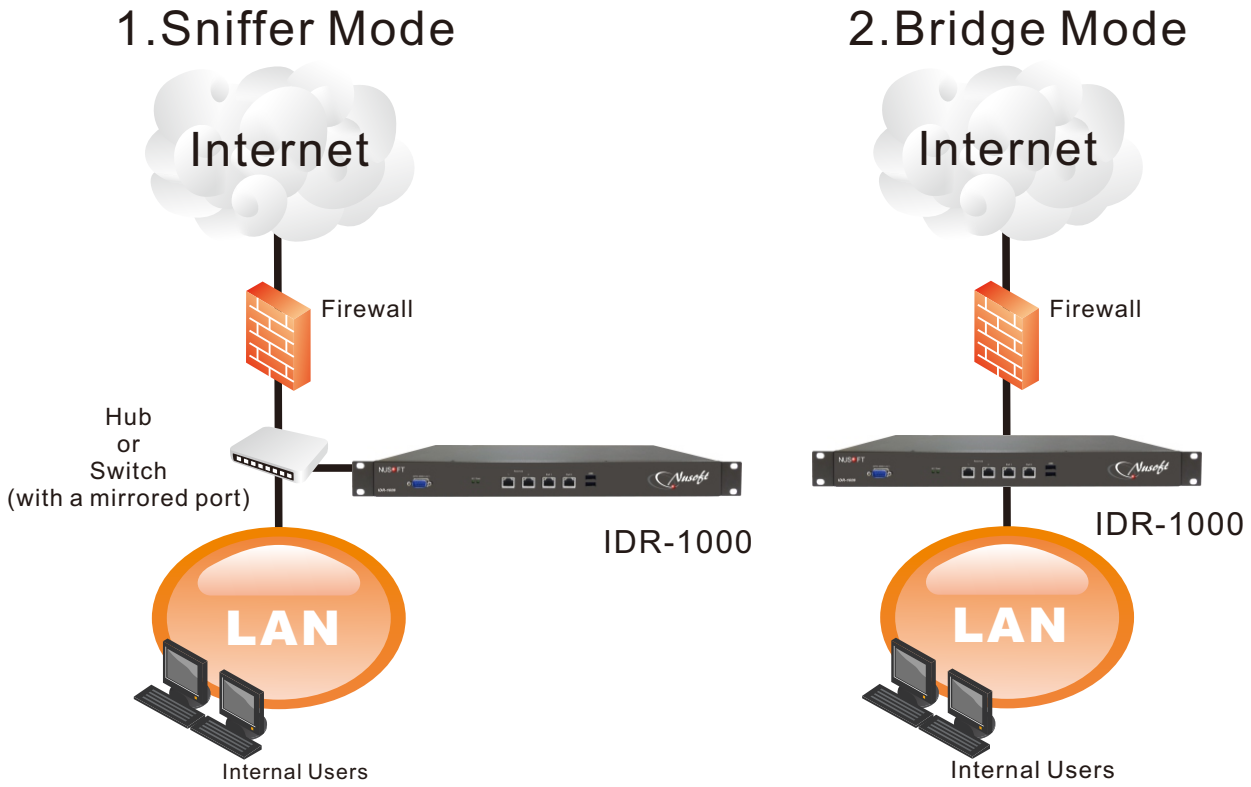
Most conventional firewalls usually lack an effective scheme to regulate the use of Internet-based applications. Accordingly, IDR-1000 allows network administrators to base IM access (messaging or file transfer using Skype, Yahoo, ICQ, Google Talk, QQ, etc.) on the company's network policy and forbid the use of peer-to-peer software (eMule, BitTorrent, Foxy, Thunder, etc.).

Apart from that, other activities like multimedia streaming, Web-based email access, online gaming, VPN tunneling, and remote controlling can also be well regulated to ensure network security.

Optimal Data Storage (NAS-Ready)

Most conventional Internet content recorders store data in a first-in, first-out (FIFO) fashion, which might result in important data (IM and email messages) being overwritten by data of less importance (visited webpages, FTP sessions, etc.). In comparison, IDR-1000 makes the most of hard disk space by storing network logs based on a specified period and deleting them upon expiration. Additionally, the support for network-attached storage (NAS) not only provides long-term archival capability, but also facilitates storage access such as searching, browsing and retrieval simply through a Web browser from anywhere. No additional software installation is required.

Deployment



Product Highlights

Highlight	Benefit	Third-Party Product
Web-based email analysis	Parses the headers from Web-based emails for search criteria, providing network administrators with an easy search method by sender, recipient, subject, content, attachment, etc.	Merely provides irrelevant search criteria (website visitor, date of visit, website address, etc.), and as a result it makes locating an email a challenging task.
Intuitive reporting interface	Facilitates the user experience for non-IT experts and international business correspondence (due to UTF-8 encoding).	Requires specialized training to operate and frequent switches between languages to display different encoding.
Web category filtering	Effortlessly regulates website access by eight categories and sixty-four subcategories.	Less effective in filtering website access due to simple criteria such as IP, domain, keyword, etc.
AD- / Authentication-based recording	Seamlessly associates data recordings with each Active Directory account or authentication name.	Not supported for Active Directory service. It merely associates data recordings with IP or MAC addresses.
Mobile supervision (via mobile app)	Allows employee supervision to be performed through an iOS or Android device.	The management interface is intended for PCs only, not for mobile devices.
Skype telephony recording	Features Skype telephony recording, separately placing the caller and receiver's voices on two different channels for easy distinction.	Either unavailable (simply text recording) or merely mono-channel recording (voices are mixed up).
Multiple data categories and search criteria	Provides various data categories (user, service and individual logs of the day) and extensive search criteria for easy data browsing and searching.	Network logs are hard to be located and can only be accessed by service type.
Configurable data expiration dates	Achieves an efficient long-term storage by adjusting expiration dates of each service log.	The data recordings are overwritten from the earliest date onwards in spite of importance (due to FIFO) upon reaching storage capacity.
NAS storage support	Automatically backs up data recordings to a NAS device and provides an easy access to them via a Web browser.	Backups require manual intervention and lack of direct accessibility and storage durability due to CD/DVD being the media.
Hierarchical management	Limits the access to data recordings to each division supervisor only, preventing the sensitive information from unauthorized access.	Sensitive information is opened to non-related personnel.
Exchange-journaled messages recording	Supports the recording of internal email messages journaled by MS Exchange Server.	Fails to record internal email messages journaled by MS Exchange Server.
Internet-based application blocking	Helps regulate the use of Internet-based applications such as IM clients, P2P software, VPN tunneling software, etc.	Not available. Network resources are easily misused.
Anomaly traffic detection	Proactively blocks packet-flooding attacks (e.g., denial-of-service attack) and notify related personnel of the event at its initial stage.	Not available. It has no protection against packet flooding, especially from within the LAN.
Automated content auditing	Automatically audits network logs from the previous day at 00:30 and, based on the results, generates a corresponding email report for network usage analysis.	Not available. It requires manual intervention to perform a routine content auditing.
High IM conversation readability	IM sessions with different participants are separately recorded for easy distinction.	It is easy to get lost in conversations due to concurrent IM sessions with different participants being mixed up.



IDR Series Product Comparison

Model		IDR-800	IDR-1000	IDR-1500	IDR-2500	IDR-3500
Specifications						
HDD Capacity		500 GB	500 GB	500 GB	1 TB	1 TB
No. of NIC Ports		4 GbE	4 GbE	4 GbE	4 (RJ45 / Mini-GBIC)	4 (RJ45 / Mini-GBIC)
H/W Bypass		×	○	○	○	○
Deployment	Bridge Mode	○	○	○	○	○
	Sniffer Mode	○	○	○	○	○
0dBA Fanless Design		○	×	×	×	×
Form Factor		9" Desktop	1U Rackmount	1U Rackmount	1U Rackmount	2U Rackmount
Features						
Recording Sessions	Client-based Email	○	○	○	○	○
	Web-based Email	○	○	○	○	○
	Web Browsing	○	○	○	○	○
	Instant Messaging	○	○	○	○	○
	FTP	○	○	○	○	○
	Telnet (e.g., BBS)	○	○	○	○	○
Group Admin		○	○	○	○	○
Mobile Supervision		○	○	○	○	○
Recording Bases	IP / MAC	○	○	○	○	○
	AD Account	○	○	○	○	○
	Auth Name	○	○	○	○	○
Recordings Analysis	By Service	○	○	○	○	○
	By User	○	○	○	○	○
Remote Backup	NAS / File Server	○	○	○	○	○
	Remote Access	○	○	○	○	○
Behavior Management	Real-time Flow Analysis	×	×	○	○	○
	Anomaly Traffic Detection	○	○	○	○	○
	IM Blocking	○	○	○	○	○
	Application Blocking	○	○	○	○	○
	Web Filtering [Optional]	○	○	○	○	○
	Daily Content Auditing	○	○	○	○	○

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