



## Tech Overview : Choosing an Appropriate Recording Basis for Different Scenarios

Due to the remarkable advances in IP technology, there is a trend among businesses to value their trade secrets more seriously since trivial evidence often predicts the victory of a legal dispute. Capturing instant messages, email messages, etc., to avoid network misuse and sensitive information leakage seems the first priority. In addition, choosing the right Internet recording device can meet your security concerns and help you manage the network with the least effort and the best outcome.

To achieve the goal mentioned above, the recording device must be capable of pinpointing each user's online activities in details. The following will separately introduce three recording bases, namely by IP Addresses, MAC Addresses, and AD Login Names. You may choose one based on your circumstances.

### By IP Addresses

**Scenario:** The business network is using static IP addresses.

**Note:** This approach is achieved by taking advantage of users' IPs. In other words, provided the IP can be changed by users by any chance, or is distributed by a DHCP server, the recording's outcome will be misinterpreted.

### By MAC Addresses

**Scenario:** It overcomes the drawback of IPs being intentionally changed by any chance or the difficulty of recording DHCP-distributed IPs.

**Note:** This basis is not applicable for business networks with a router routing all network packets. This is because MAC addresses in the header of packets will be replaced with the one of the router, which leads to inaccurate recordings.

### By AD Login Names

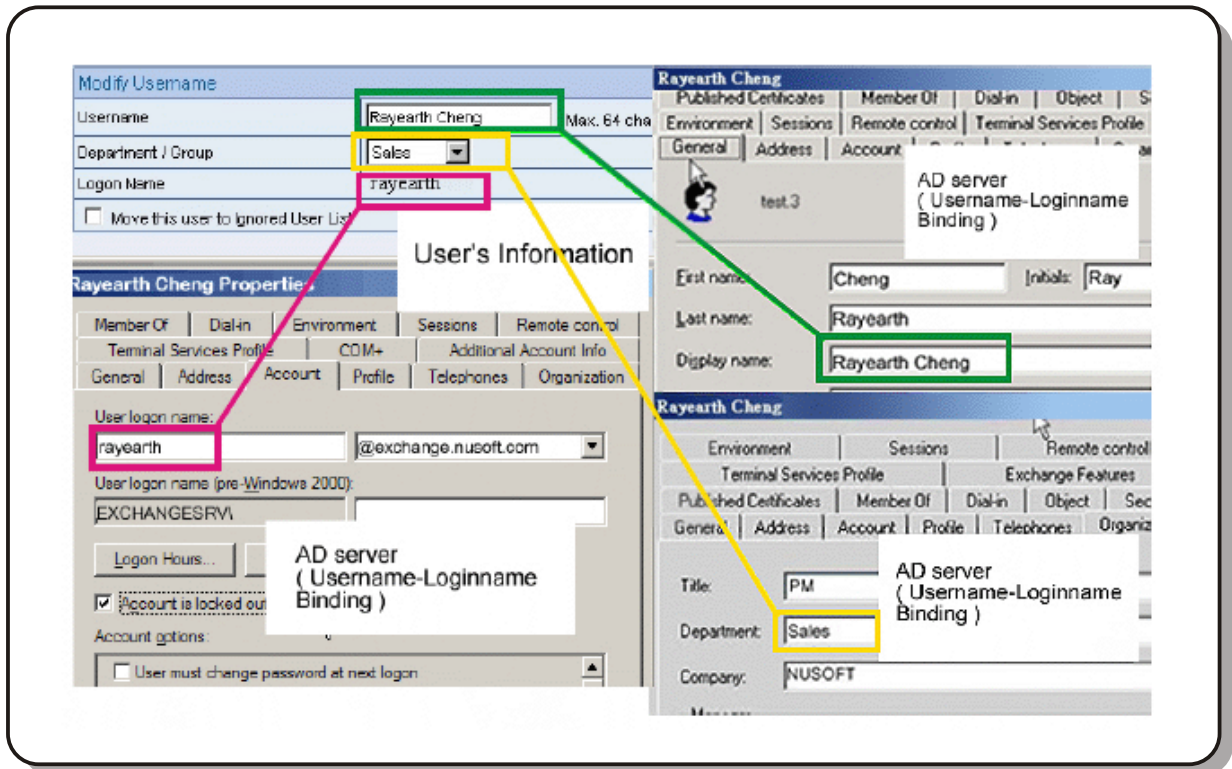
**Scenario:** The business network implements Active Directory (AD)

**Note:** This requires an additional plug-in installation to base the recordings on the AD login names.

**Benefits:** Basing your recordings on AD login names could save you immense time and effort managing the network. Despite the transfer of personnel or employee turnovers, IT administrators merely have to modify the settings on the AD server without doing it over the device. For a large-scale enterprise, it eliminates the need to create the user list for recording from scratch, efficaciously decreasing the time and energy consumed during device installation.

	By IP Addresses	By MAC Addresses	By AD Login Names
Scenario	Users using static IPs	Users using dynamic IPs	AD server is implemented
Note	It's not recommended when using DHCP-distributed or frequently changed IPs (by users)	It's not recommended when packets pass through a router as it alters the MAC address.	The approach requires using an additional plug-in to take effect.

Recording Basis Comparison Table



User Information is Based on the AD Server When Using 'By AD Login Name'



## Product News : Participant-Targeted Recording Helps Identify the IM Users

In the Internet era, e-commerce truly means unparalleled revenue to businesses. However, the convenient avenue is also accompanied with a security risk that may compromise your trade secrets. According to recent research, more than 30 percent of businesses use IM as a communication medium, yet less than one-tenth of which value the importance of its management. Such an oversight likely will lead to information assets leakage. Consequently, it is necessary and possible, as long as the IM usage is well managed, to 'sell the cow and drink the milk' (embracing the benefits that IM brings without its defects). In addition, the need for network monitoring, traffic analysis, logs searching, etc. should be highlighted on the management issue as well.

The best approach to perform IM management is to conditionally permit and monitor the user's IM access. That is, merely the personnel who actually need it (for business purposes) will be granted with IM accesses, and their conversations will be monitored as well. Presently, most third-party products only offer a rough IM recording that is easily misinterpreted when a user engages in instant messaging with two or more participants at a time. IT administrators will not be able to distinguish who the user's correspondence is, resulting in administration obstacles.

Distinguishing itself from other products in the market, Nusoft Internet Recorder features exclusive Participant-Targeted Recording. It bases its IM recording on participants, classifying the conversations by each user. IT administrators could effortlessly distinguish each user's correspondence. Better yet, along with its purpose-built search engine, it can drastically decrease the time consumed on message archives searching, improving the instant messaging management.

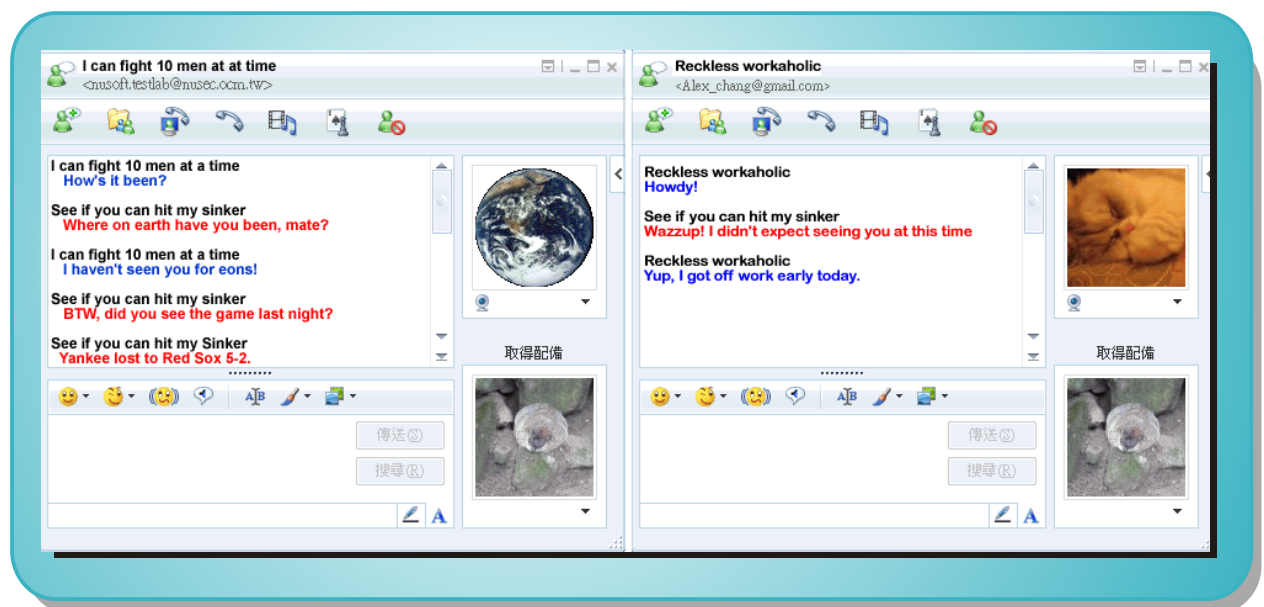


Figure 1 A User Exchanges Messages with Multiple Parties Using MSN

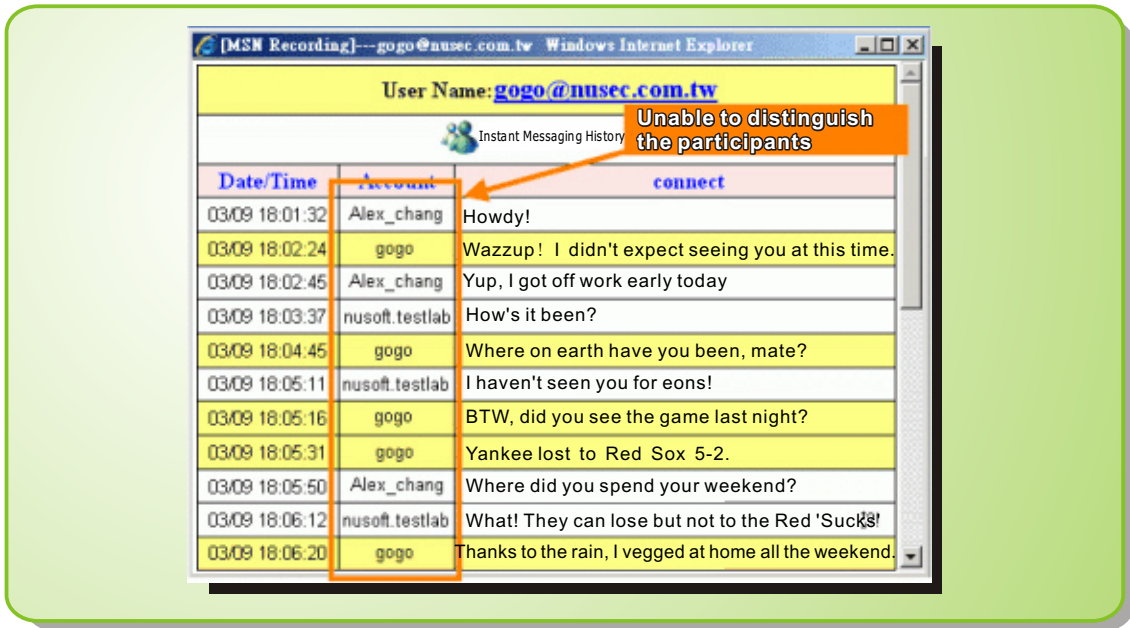


Figure 2 A Third-Party's Unclassified Recording of Participants

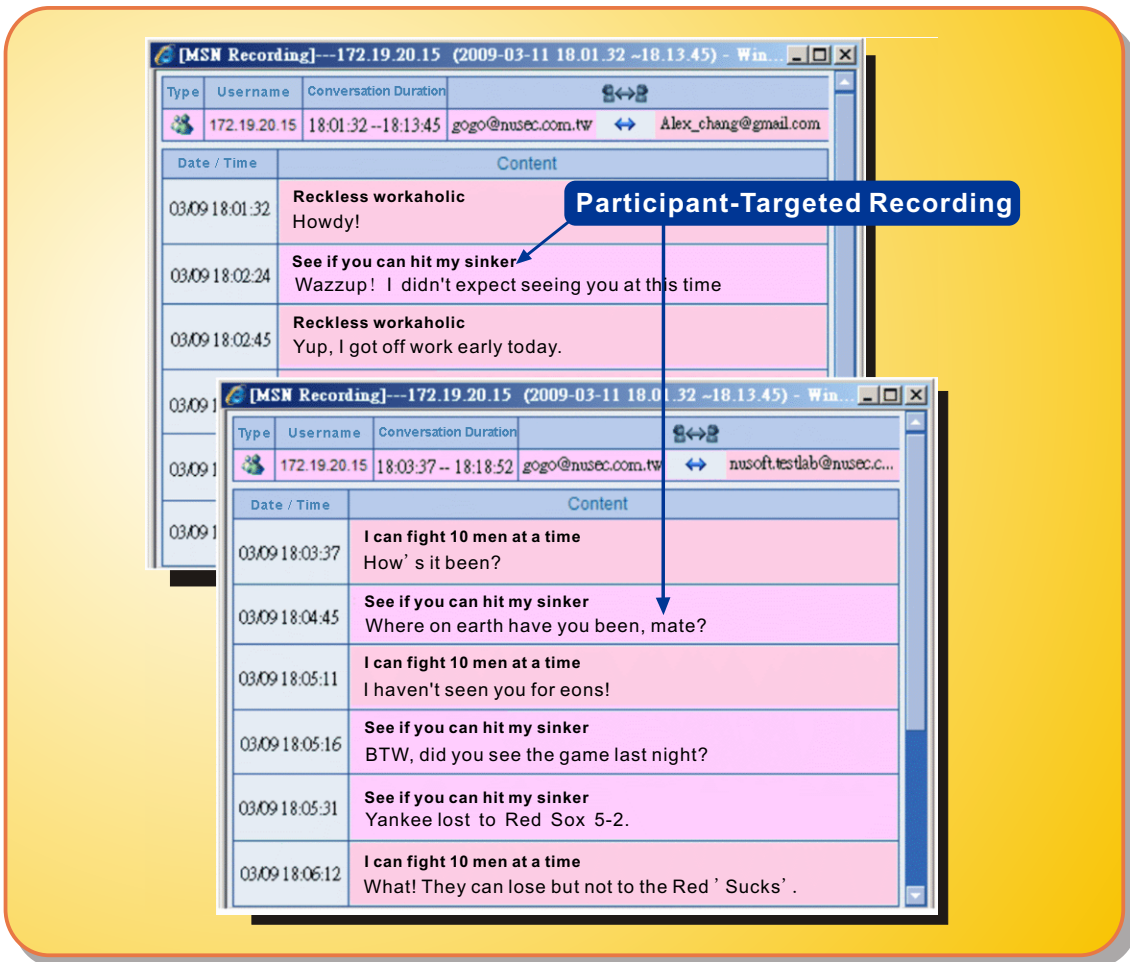


Figure 3 Nusoft Internet Recorder's Exclusive Participant-Targeted Recording