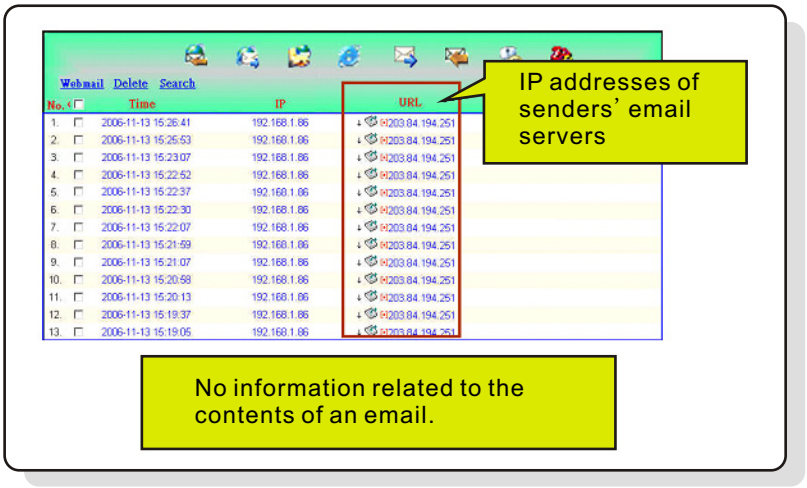
Tech Overview : Monitoring Web-Based Emails

Aside from the threat of leaking confidential business information, email is one of the main cyberslacking avenues used by employees. Consequently, many businesses view owning an Internet recording device that is capable of recording SMTP and POP3 as a necessity. However, what these devices often overlook in their design is web-based email monitoring.

The majority of web-based email services are based on the HTTP protocol. Currently, third-party Internet recording devices utilize snapshots to monitor employee's use of web-based email service. However, this presents a number of flaws:

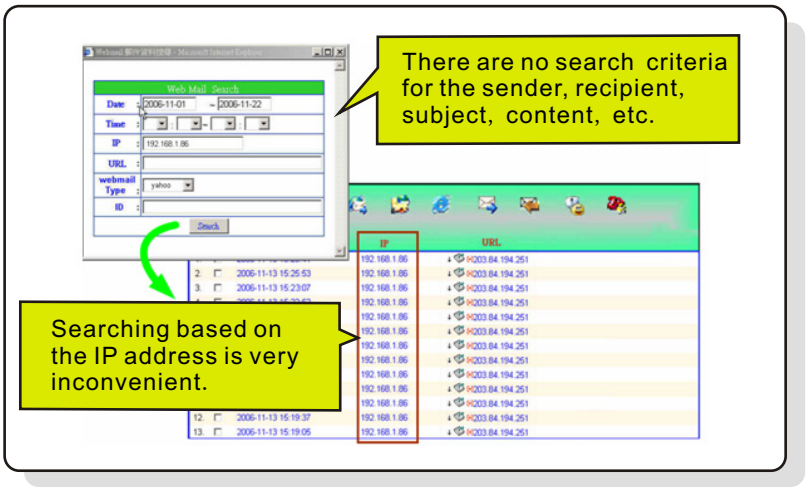
- **The Subjects of Web-Based POP3 Emails Are Not Available**

  On the list of the web-based POP3 email records, there merely displays the IP address or domain name of the sender's email server. Without email subjects, IT administrators have to click on each record individually to view the contents.



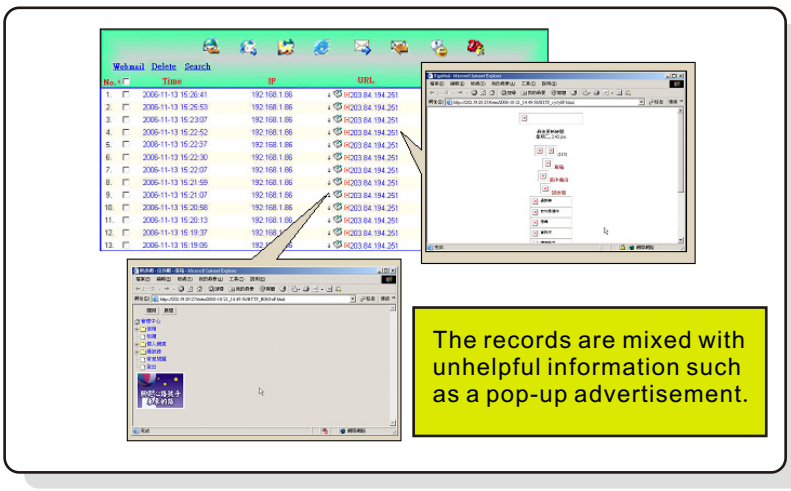
- **It lacks of search criteria of subject, sender, content, etc.**

  IT administrators can only search by the sender's IP address. As a result, it becomes time-consuming finding the desired records.



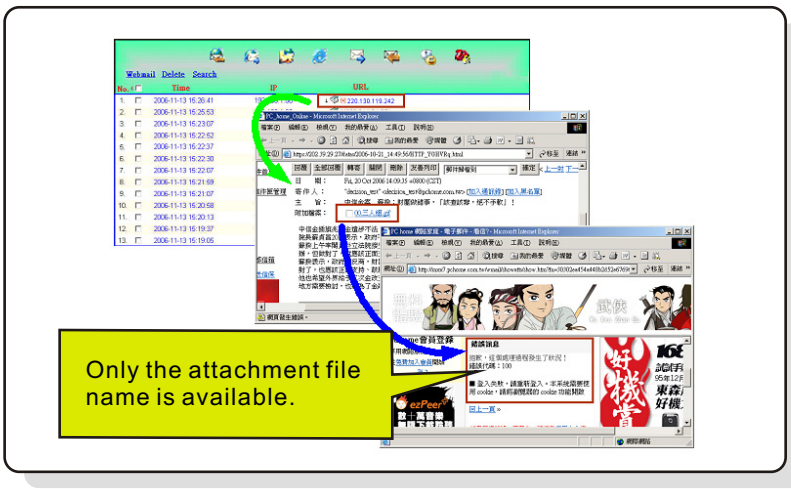
- **It Is Stuffed with Unhelpful Recorded Contents**

By utilizing snapshots as the recording approach, the results can present some unwanted information such as advertisements, etc. This makes it harder to find the required email.



- **No Backups for Email Attachments Is Available**

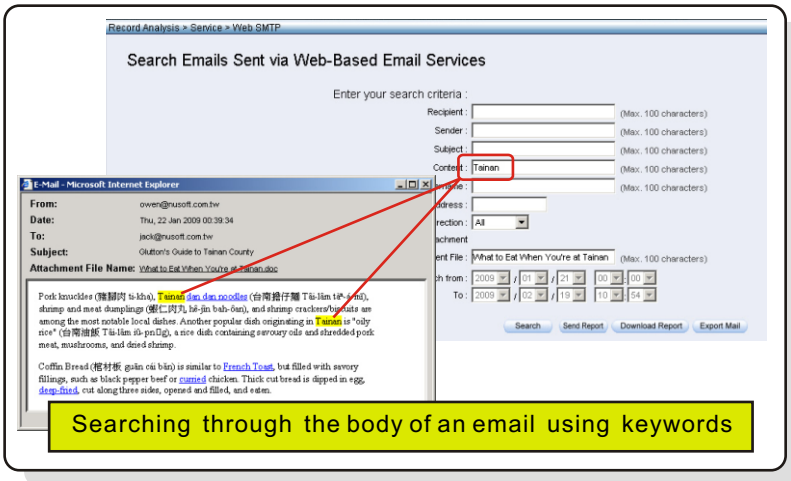
IT administrators could not gain access to any attachment files that the user may have sent or received.

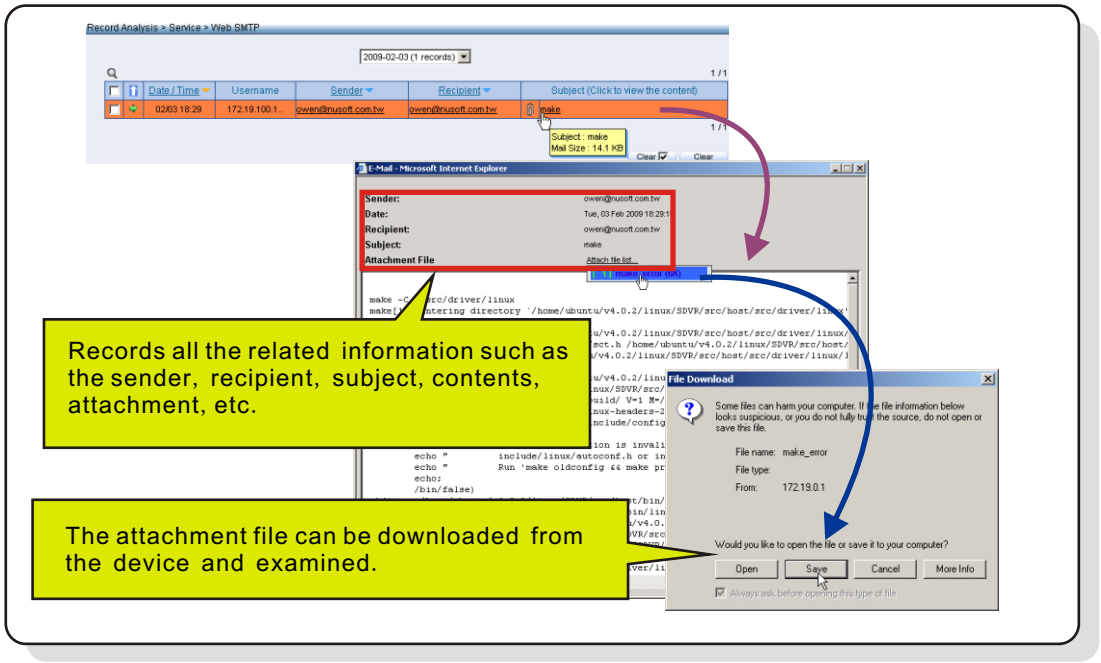


Nusoft Internet Recorder series（NUS-IR2500, NUS-IR1800 and NUS-IR1000G）avoids all of the above-mentioned problems. Taking the NUS-IR2500 as an example, it resolves those issues as below:

- **All the related information of a web-based SMTP / POP3 email is provided.**

The device has incorporated all the related information as its search criteria, such as subject, sender, recipient, contents, attachment file, etc.





- **Signature definitions are employed to analyze the web-based emails.**
  By signature definitions, the device can achieve an accurate recording result.

- **Automatic updates keep your web-based email recording mechanism always up-to-date.**
  The device can spontaneously update its signature definitions, ensuring the recording capabilities remains effective.

Product News : Disk Space Allocation for Nusoft Internet Recorder

The NUS-IR2500 comes with a 250GB hard disk capacity. However, the amount of usable storage space is limited to 230GB. The reason for this is covered as follows:（this also applies to the other models in the IR series）

NUS-IR2500's hard disk is divided into two main partitions:

Data storage partition - contains a total allocation of 230GB. It is used to store all the data recorded from the device. This storage has been further subdivided into the following eight allocations:

- SMTP - stores all the SMTP emails and their attachments (if any).
- POP3 - stores all the POP3 emails and their attachments (if any).
- Web SMTP - stores all the web-based SMTP emails and their attachments (if any).
- Web POP3 - stores all the web-based POP3 emails and their attachments (if any).
- HTTP - stores all HTTP web pages accessed.
- IM - stores all conversations and file transfers（if any）.
- FTP - provides a backup of all files transferred via FTP.
- Telnet - records the contents of telnet sessions.

The device's "Storage Time" setting for each service, will determine what proportion of the available 230GB will be allocated to the service.

The allocation for the remaining 20GB from the 250GB total contains the follows:

- Temporary files
- The cache for remote backup browsing
- Signature definitions for web-based emails and IM software
- System operation logs

The separate 20GB partitioned for system operation prevents IT administrators from accidentally writing over important system files.