

IP Tr@pper



LAND & JOINT SYSTEMS

THALES

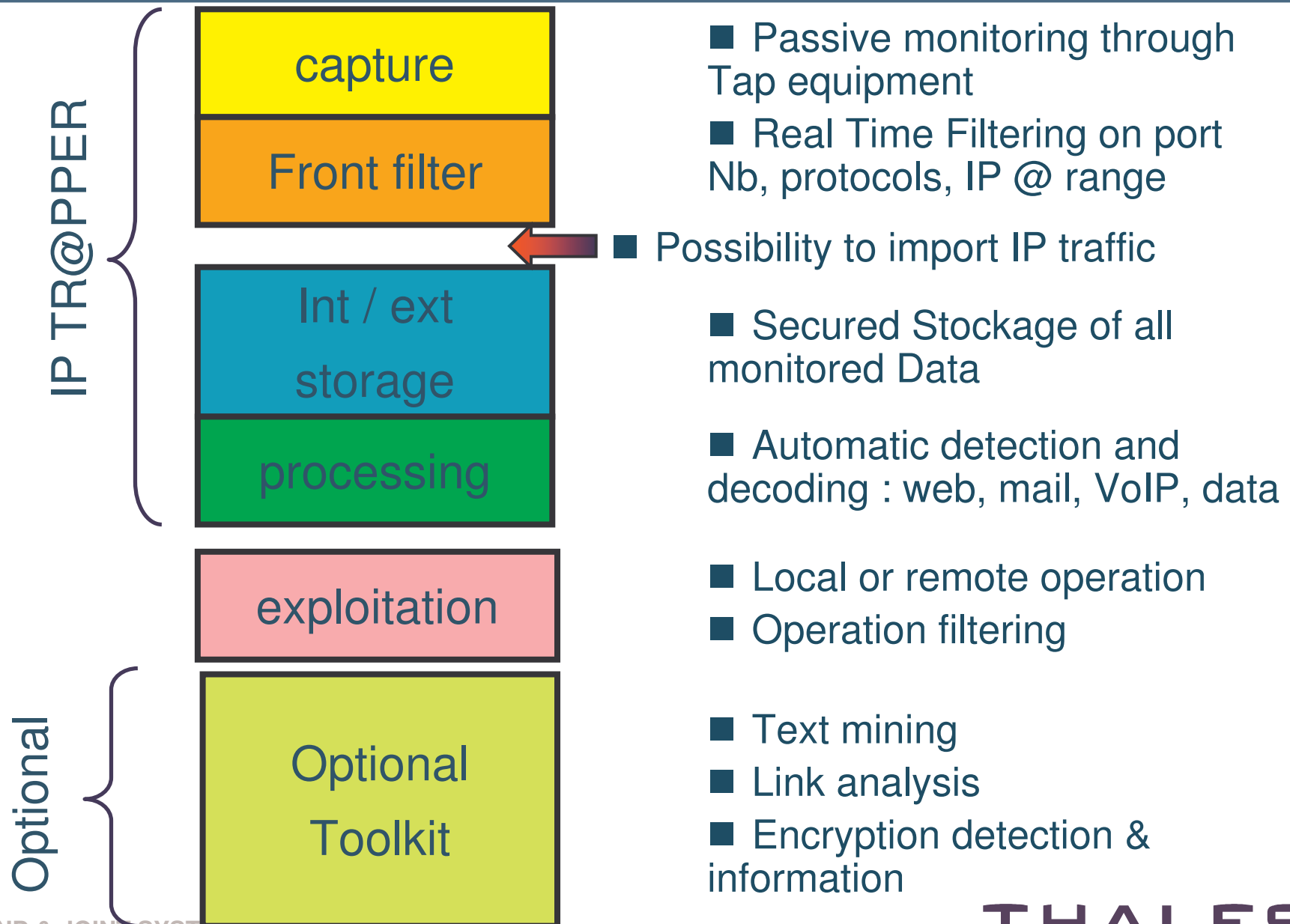
■ Autonomous facility for IP Monitoring :

- Traffic Analysis
 - (Intranet)
 - for Internet (Internet access point)
 - among mail servers
 - for dedicated line as “Internet Cafés”
 - for Wireless connection as WIFI

■ Proposed Interfaces

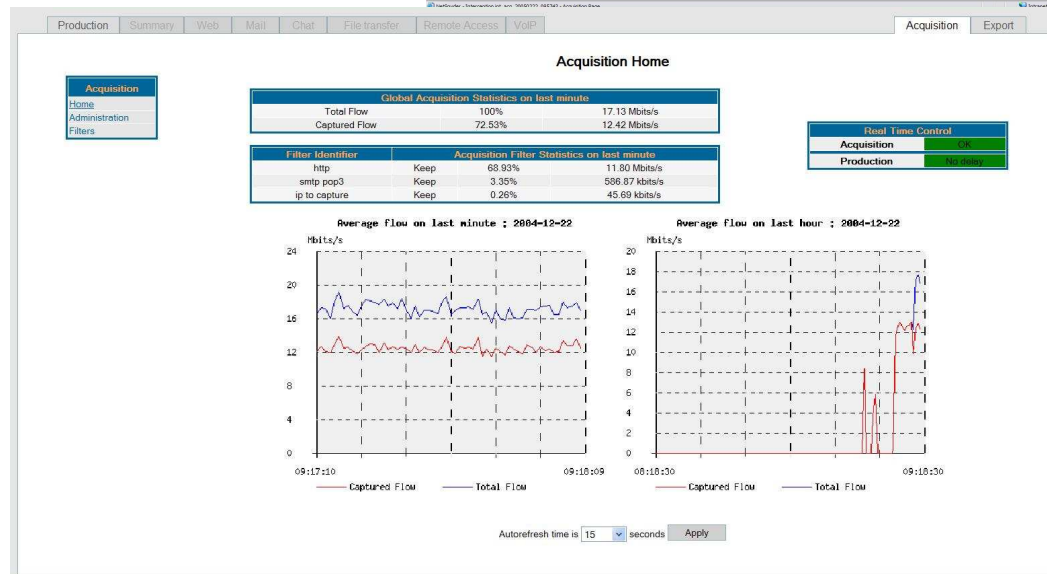
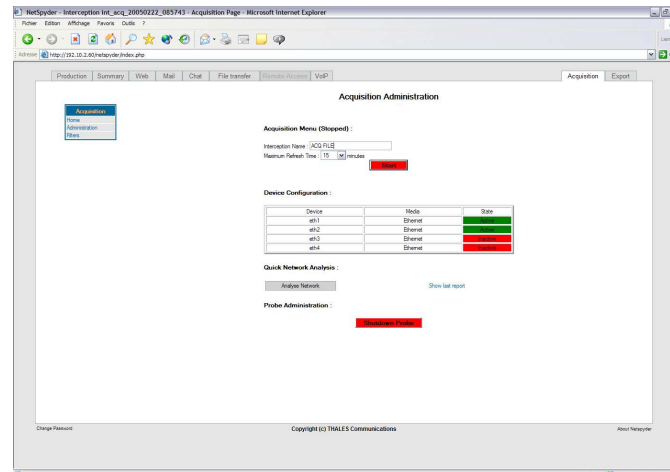
- LAN : Ethernet 10/100/1G
- ADSL
- WIFI
- ATM
- (WiMax)



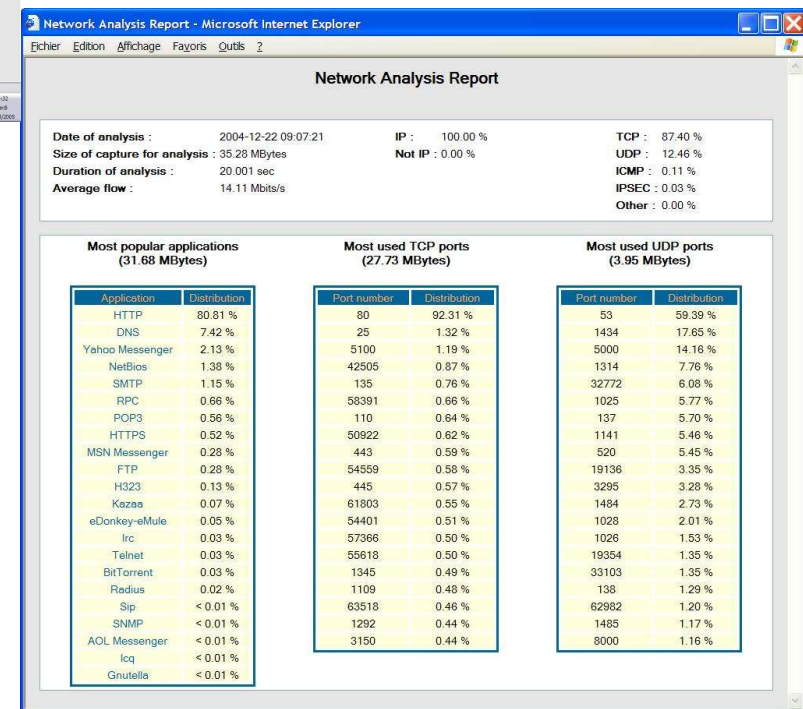


Traffic Analysis and Acquisition Control

Control Panel



Data Stream Display



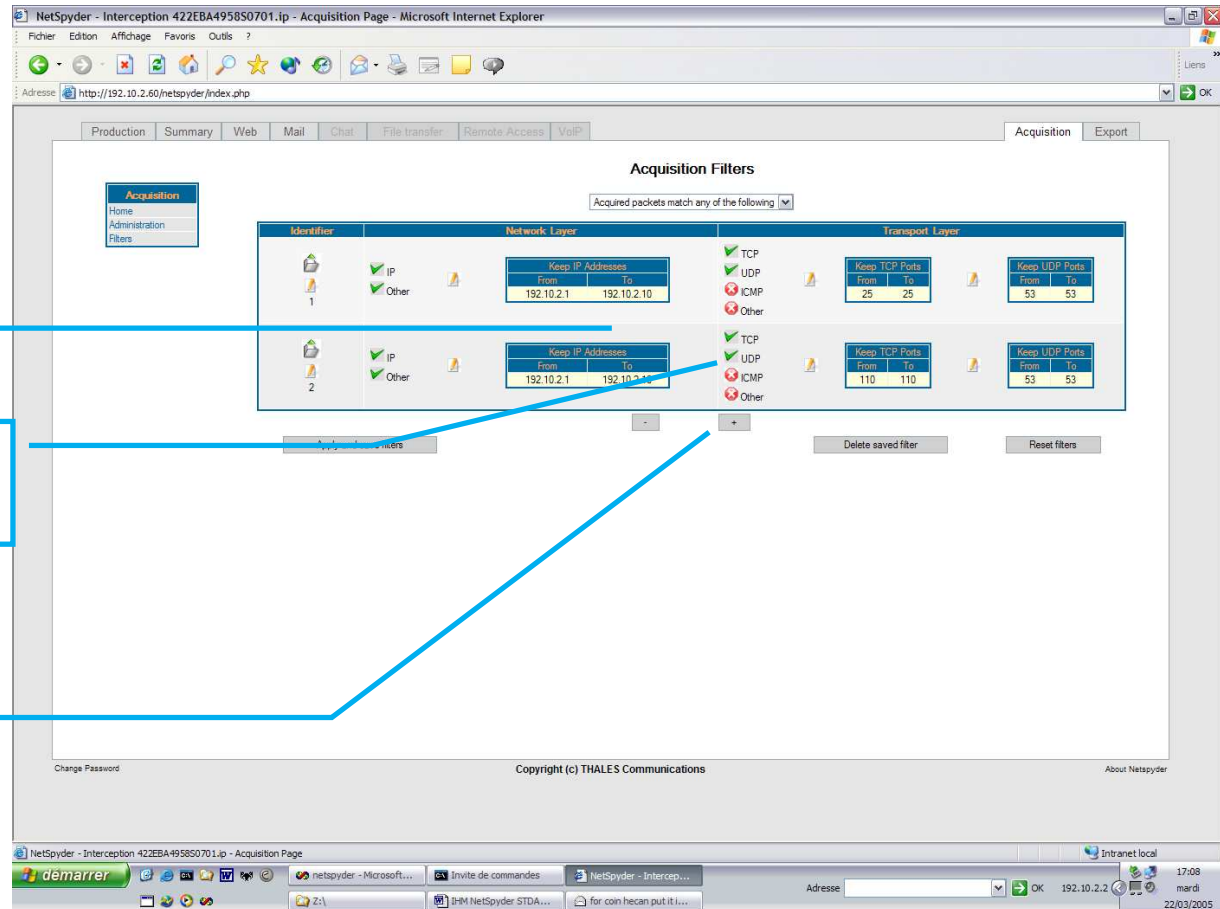
Protocol used

THALES

Set of Filters

Selection/Rejection

Addition/Deletion



IP Acquisition list : IP Application Summary



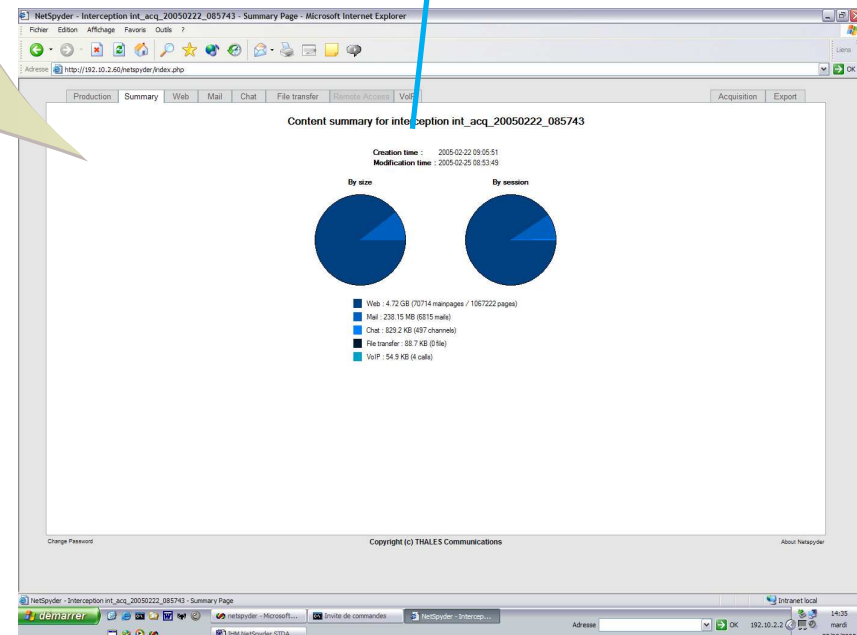
Interception List
(Current interception: int_acq_20050222_085743)

Index	Creation date	Modification date	Size
1111	2005-02-21 13:49:33	2005-02-21 13:49:33	426 8 KB
int_acq_20050221_193227	2005-02-21 18:38:35	2005-02-22 08:57:41	8 470 KB
int_acq_20050222_085743	2005-02-22 09:55:51	2005-02-25 08:53:49	8 470 KB
42020181350004	2005-03-18 13:50:04	2005-03-18 13:50:06	134 6 KB
4202018135102	2005-03-18 13:51:02	2005-03-18 13:51:07	277 KB
4202018135115	2005-03-18 13:51:15	2005-03-18 13:51:16	411 6 KB
4202018135126	2005-03-18 13:51:26	2005-03-18 13:51:26	15 1 KB
4202018135137	2005-03-18 13:51:37	2005-03-18 13:51:39	307 5 KB
4202018135146	2005-03-18 13:51:46	2005-03-18 13:51:48	475 KB
4202018135157	2005-03-18 13:51:57	2005-03-18 13:51:57	1 72 KB
4202018135208	2005-03-18 13:52:08	2005-03-18 13:52:08	75 6 KB
4202018135217	2005-03-18 13:52:17	2005-03-18 13:52:18	271 KB
4202018135226	2005-03-18 13:52:26	2005-03-18 13:52:26	132 9 KB
4202018135236	2005-03-18 13:52:36	2005-03-18 13:52:38	9 KB
4202018135241	2005-03-18 13:52:41	2005-03-18 13:52:41	1 17 KB
4202018135252	2005-03-18 13:52:52	2005-03-18 13:52:53	26 2 KB
4202018135301	2005-03-18 13:53:01	2005-03-18 13:53:01	84 8 KB
4202018135313	2005-03-18 13:53:13	2005-03-18 13:53:13	9 KB
4202018135323	2005-03-18 13:53:23	2005-03-18 13:53:23	105 9 KB
4202018135332	2005-03-18 13:53:32	2005-03-18 13:53:32	116 KB
4202018135341	2005-03-18 13:53:41	2005-03-18 13:53:42	52 KB
int_acq_20050222_123408	2005-03-22 12:34:15	2005-03-22 12:34:16	0 KB

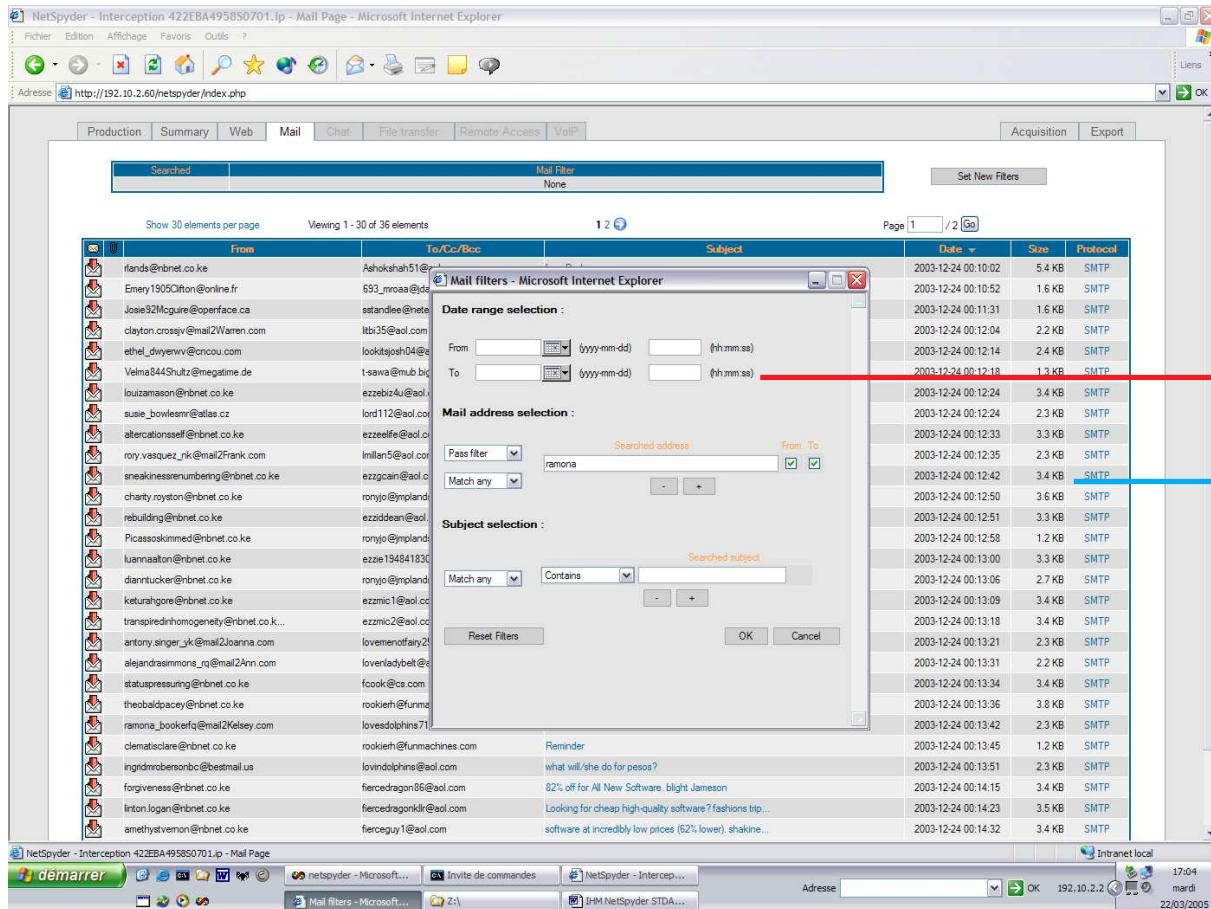
File Selection

Automatic
Application
Display

- Automatic Processing
- Automatic display of Identified Data as : web, mail, VoIP, chat, ftp
- Front filtering
- Back filtering
- Remote control
- Data importation or exportation available (pcap format...)



Operation : e-mail



The screenshot shows the NetSpyder Mail Page interface. A dialog box titled "Mail filters - Microsoft Internet Explorer" is open, displaying filter selection options. The main window shows a list of intercepted emails with columns for From, To/Cc/Bcc, Subject, Date, Size, and Protocol.

Mail filters - Microsoft Internet Explorer

Date range selection :

From: [] (yyyy-mm-dd) [] (hh:mm:ss)

To: [] (yyyy-mm-dd) [] (hh:mm:ss)

Mail address selection :

Pass filter [] Searched address [] From [] To []

Match any [] ramona [] [] []

Subject selection :

Match any [] Contains [] Searched subject []

Reset Filters [] OK [] Cancel []

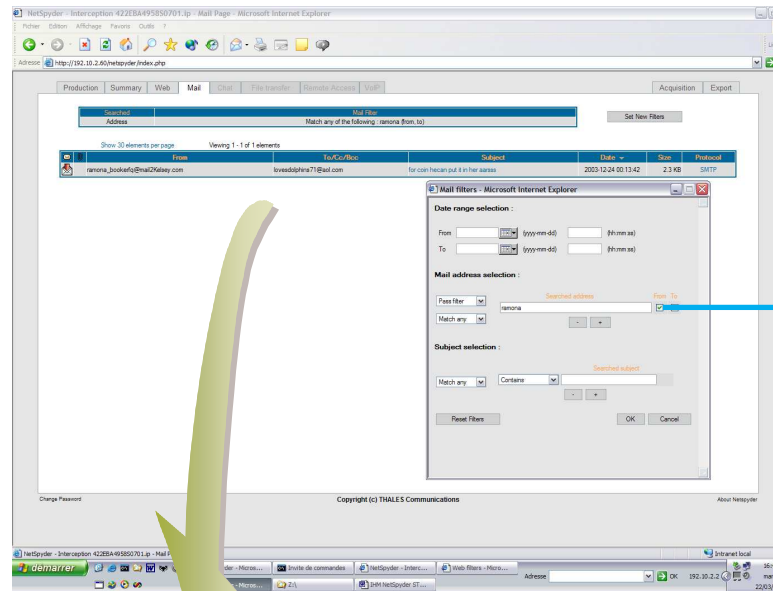
	From	To/Cc/Bcc	Subject	Date	Size	Protocol
	rlands@nbnet.co.ke	Ashokah51@		2003-12-24 00:10:02	5.4 KB	SMTP
	Emery1905@online.fr	693_mroaa@d		2003-12-24 00:10:52	1.6 KB	SMTP
	Joae92Mcguire@openface.ca	standee@net		2003-12-24 00:11:31	1.6 KB	SMTP
	clayton.crosqv@mail2Warren.com	ltbi35@aol.com		2003-12-24 00:12:04	2.2 KB	SMTP
	ethel_dwyerwv@cncou.com	looktajash04@		2003-12-24 00:12:14	2.4 KB	SMTP
	Véline844Shultz@megatime.de	t-saws@mb.bq		2003-12-24 00:12:18	1.3 KB	SMTP
	louizamason@nbnet.co.ke	ezzebiz4u@aol		2003-12-24 00:12:24	3.4 KB	SMTP
	ausie_bowlesmr@atlas.cz	lord112@aol.co		2003-12-24 00:12:24	2.3 KB	SMTP
	altercationself@nbnet.co.ke	ezzeelfe@aol.c		2003-12-24 00:12:33	3.3 KB	SMTP
	roly.vasquez_rk@mail2Frank.com	lmilan5@aol.co		2003-12-24 00:12:35	2.3 KB	SMTP
	sneakinessrenumbering@nbnet.co.ke	ezzgacain@aol.c		2003-12-24 00:12:42	3.4 KB	SMTP
	charity.royston@nbnet.co.ke	ronyo@ympland		2003-12-24 00:12:50	3.6 KB	SMTP
	rebuilding@nbnet.co.ke	ezdiddean@aol		2003-12-24 00:12:51	3.3 KB	SMTP
	Picassoskinned@nbnet.co.ke	ronyo@ympland		2003-12-24 00:12:58	1.2 KB	SMTP
	luannaalon@nbnet.co.ke	ezzie19484183c		2003-12-24 00:13:00	3.3 KB	SMTP
	dianrtucker@nbnet.co.ke	ronyo@ympland		2003-12-24 00:13:06	2.7 KB	SMTP
	keturahgore@nbnet.co.ke	ezzm1@aol.co		2003-12-24 00:13:09	3.4 KB	SMTP
	transpredrinhomogeneity@nbnet.co.k...	ezzm2@aol.co		2003-12-24 00:13:18	3.4 KB	SMTP
	antony.singer_yk@mail2Joanna.com	lovenemofair2		2003-12-24 00:13:21	2.3 KB	SMTP
	alejandrasimmons_rq@mail2Ann.com	lovenlad@bkt		2003-12-24 00:13:31	2.2 KB	SMTP
	stutuspresuring@nbnet.co.ke	fcok@cs.com		2003-12-24 00:13:34	3.4 KB	SMTP
	theobaldpacey@nbnet.co.ke	rookiefr@funma		2003-12-24 00:13:36	3.8 KB	SMTP
	ramona_bookerfq@mail2Kelsey.com	lovedolphins71		2003-12-24 00:13:42	2.3 KB	SMTP
	clematisclare@nbnet.co.ke	rookiefr@funmachines.com	Reminder	2003-12-24 00:13:45	1.2 KB	SMTP
	ingridmrobersonbc@bestmail.us	lovedolphins@aol.com	what will/she do for pesos?	2003-12-24 00:13:51	2.3 KB	SMTP
	forgiveness@nbnet.co.ke	fiercedragon86@aol.com	82% off for All New Software. blight Jameson	2003-12-24 00:14:15	3.4 KB	SMTP
	linton.logan@nbnet.co.ke	fiercedragonktr@aol.com	Looking for cheap high-quality software? fashions trip...	2003-12-24 00:14:23	3.5 KB	SMTP
	amethystvemon@nbnet.co.ke	fierceguy1@aol.com	software at incredibly low prices (62% lower). shake...	2003-12-24 00:14:32	3.4 KB	SMTP

Set of Filter

E-mail List

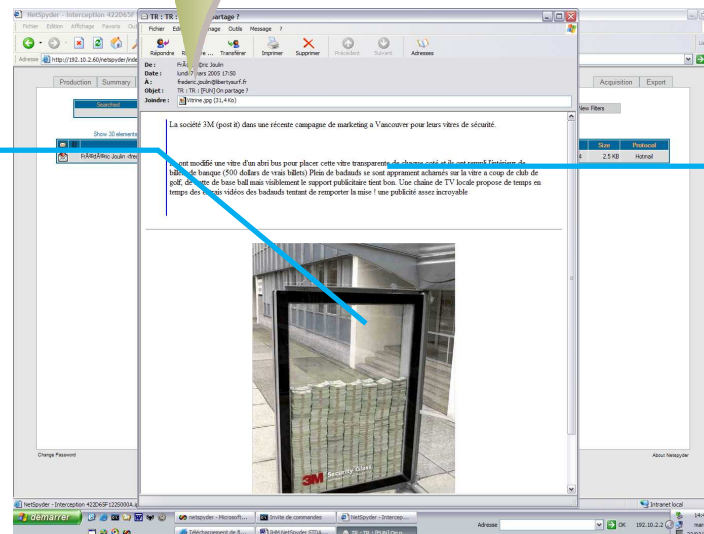
Mail Filtering Result

Operation
Filter



Attached File

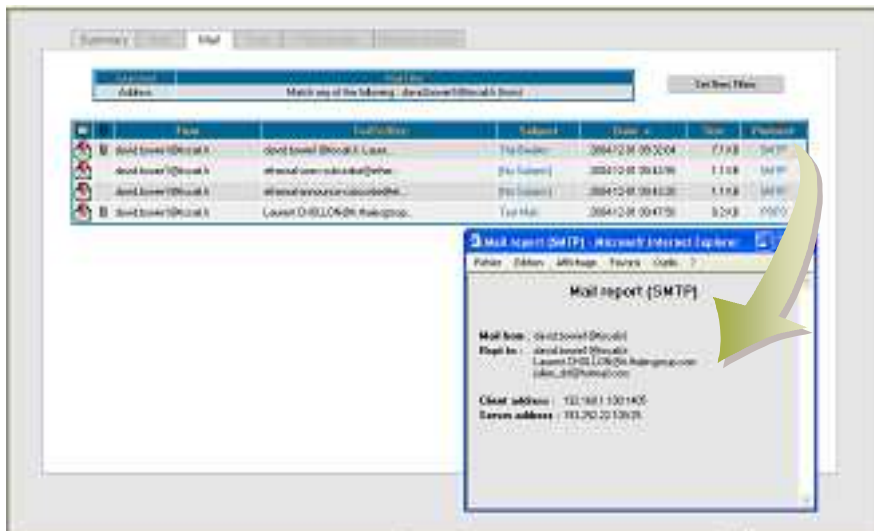
Mail Content



Mail Display

IP Operating Tools : Mail Reports

SMTP Report



Mail report (SMTP)

From	To	Subject	Date	Size	Protocol
dev@broadband.com	dev@broadband.com	[No Subject]	2004-12-01 00:00:04	2.3 KB	SMTP
dev@broadband.com	dev@broadband.com	[No Subject]	2004-12-01 00:00:04	2.3 KB	SMTP
dev@broadband.com	dev@broadband.com	[No Subject]	2004-12-01 00:00:04	2.3 KB	SMTP
dev@broadband.com	dev@broadband.com	[No Subject]	2004-12-01 00:00:04	2.3 KB	SMTP

Mail report (SMTP) - Microsoft Internet Explorer

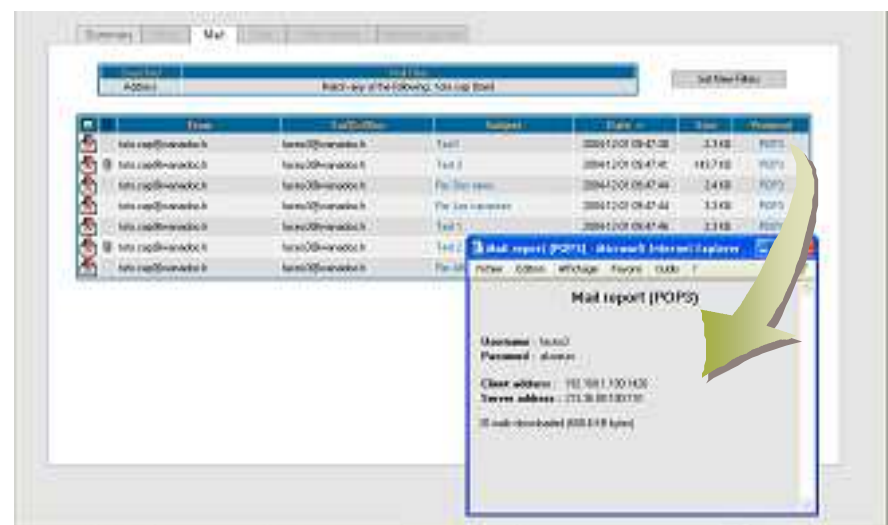
Folder: [No Subject] | Messages: 4 | Pages: 1 | Date: 2

Mail report (SMTP)

Mail from: dev@broadband.com
Mail to: dev@broadband.com
Subject: [No Subject]

Client address: 192.168.1.100:1426
Server address: 192.168.1.100:1426

POP 3 Report



Mail report (POP3)

From	To	Subject	Date	Size	Protocol
dev@broadband.com	dev@broadband.com	[No Subject]	2004-12-01 00:00:04	2.3 KB	POP3
dev@broadband.com	dev@broadband.com	[No Subject]	2004-12-01 00:00:04	2.3 KB	POP3
dev@broadband.com	dev@broadband.com	[No Subject]	2004-12-01 00:00:04	2.3 KB	POP3
dev@broadband.com	dev@broadband.com	[No Subject]	2004-12-01 00:00:04	2.3 KB	POP3

Mail report (POP3) - Microsoft Internet Explorer

Folder: [No Subject] | Messages: 4 | Pages: 1 | Date: 2

Mail report (POP3)

Mail from: dev@broadband.com
Mail to: dev@broadband.com
Subject: [No Subject]

Client address: 192.168.1.100:1426
Server address: 192.168.1.100:1426

IP Operation Tools : Web



Main Pages List

Filtering
Result

Main Pages Display

The top screenshot displays a table of intercepted web pages:

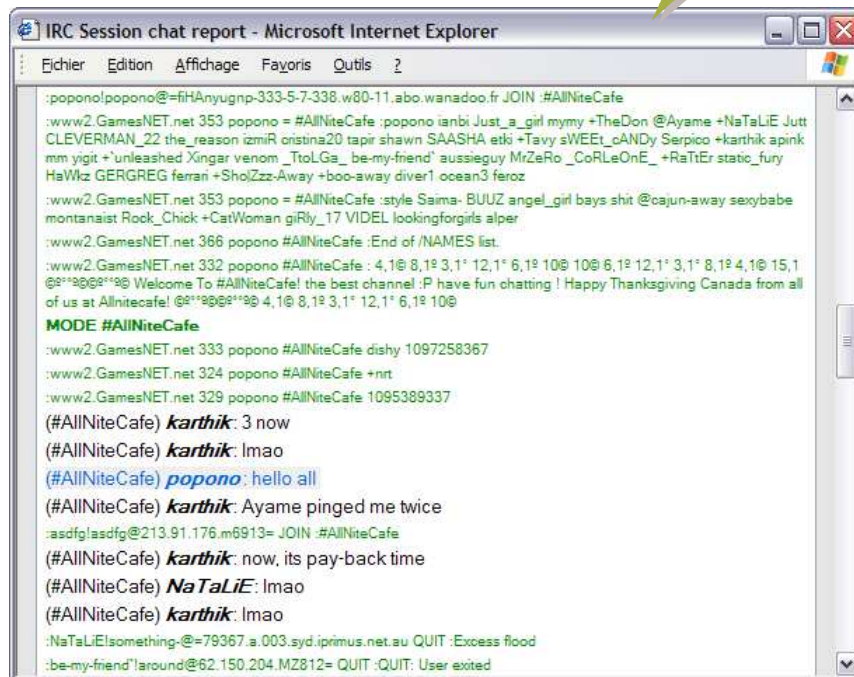
Time	Client	URL	Title	Size	Date
62.8.71.228	Flashmail	flashmail.club-internet.fr/		743 B	2003-12-24 00:00:47
62.8.71.228	Flashmail	flashmail.club-internet.fr/		755 B	2003-12-24 00:03:50
62.8.71.228	Flashmail	flashmail.club-internet.fr/		206 KB	2003-12-24 00:04:13
62.8.71.228	Flashmail	flashmail.club-internet.fr/		52 KB	2003-12-24 00:05:30
62.8.71.228	Flashmail	flashmail.club-internet.fr/		2 KB	2003-12-24 00:05:32
62.8.71.228	Flashmail	flashmail.club-internet.fr/		1.8 KB	2003-12-24 00:05:32
62.8.71.228	Flashmail	flashmail.club-internet.fr/		1.3 KB	2003-12-24 00:06:25
62.8.71.228	Flashmail	flashmail.club-internet.fr/		18.8 KB	2003-12-24 00:08:43
62.8.71.228	Flashmail	flashmail.club-internet.fr/		77.5 KB	2003-12-24 00:08:51
62.8.71.228	Flashmail	flashmail.club-internet.fr/		35.6 KB	2003-12-24 00:10:55
62.8.71.228	Flashmail	flashmail.club-internet.fr/		78 KB	2003-12-24 00:13:34
62.8.71.228	Flashmail	flashmail.club-internet.fr/		23.7 KB	2003-12-24 00:14:28
62.8.71.228	Flashmail	flashmail.club-internet.fr/		71 KB	2003-12-24 00:15:51
62.8.71.228	Flashmail	flashmail.club-internet.fr/		62.5 KB	2003-12-24 00:18:35
62.8.71.228	Flashmail	flashmail.club-internet.fr/		41.6 KB	2003-12-24 00:20:28
62.8.71.228	Flashmail	flashmail.club-internet.fr/		43.7 KB	2003-12-24 00:22:18
62.8.71.228	Flashmail	flashmail.club-internet.fr/		35.4 KB	2003-12-24 00:23:00
62.8.71.228	Flashmail	flashmail.club-internet.fr/		63.1 KB	2003-12-24 00:25:05
62.8.71.228	Flashmail	flashmail.club-internet.fr/		32.7 KB	2003-12-24 00:27:17

The bottom-left screenshot shows the 'Web Filters' dialog box with the following settings:

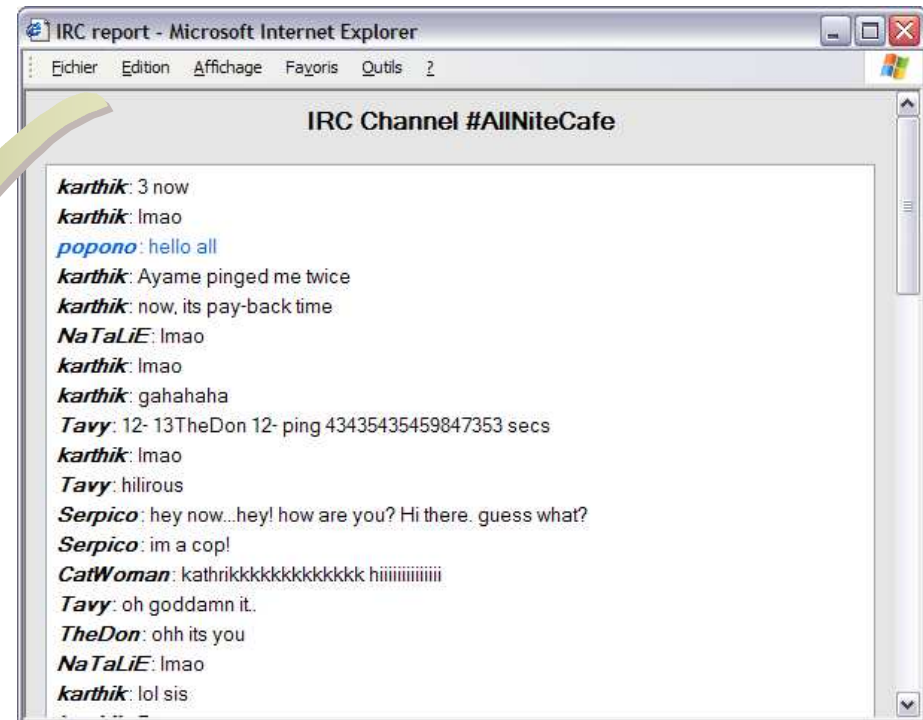
- Date range selection: From 2003-12-24 00:00:00 To 2003-12-24 00:31:24
- IP address selection: From 62.8.71.228 To 62.8.71.228
- URL selection: From www.club-internet.fr To www.club-internet.fr
- HTML title selection: Match any Contains

The bottom-right screenshot shows the 'Main Pages Display' of the website 'Club Internet - L'internet puissante Vous', featuring various advertisements and navigation links.

IRC Report



```
:popono!popono@=fiHAnyugnp-333-5-7-338.w80-11.abo.wanadoo.fr JOIN :#AllNiteCafe
:www2.GamesNET.net 353 popono = #AllNiteCafe :popono lanbi Just_a_girl mymy +TheDon @Ayame +NaTaLiE Jutt
CLEVERMAN_22 the_reason izmiR onistina20 tapir shawn SAASHA etki +Tavy sWEEt_cANDy Serpico +karthik apink
mm yigit +unleashed Xingar venom _TolGa_ be-my-friend aussieguy MrZeRo _CoRLeOnE_ +RaTiEr static_fury
HaWkz GERGREG ferrari +ShoZzz-Away +boo-away diver1.ocean3 feroz
:www2.GamesNET.net 353 popono = #AllNiteCafe :style Saima- BUUZ angel_girl bays shit @cajun-away sexybabe
montanaist Rock_Chick +CatWoman giRly_17 VIDEL lookingforgirls alper
:www2.GamesNET.net 366 popono #AllNiteCafe :End of /NAMES list.
:www2.GamesNET.net 332 popono #AllNiteCafe : 4,1@ 8,1@ 3,1* 12,1* 6,1@ 10@ 6,1@ 12,1* 3,1* 8,1@ 4,1@ 15,1
@8**@88**@ Welcome To #AllNiteCafe! the best channel :P have fun chatting ! Happy Thanksgiving Canada from all
of us at Allnitecafe! @8**@88**@ 4,1@ 8,1@ 3,1* 12,1* 6,1@ 10@
MODE #AllNiteCafe
:www2.GamesNET.net 333 popono #AllNiteCafe dishy 1097258367
:www2.GamesNET.net 324 popono #AllNiteCafe +nrt
:www2.GamesNET.net 329 popono #AllNiteCafe 1095389337
(#AllNiteCafe) karthik: 3 now
(#AllNiteCafe) karthik: lmao
(#AllNiteCafe) popono: hello all
(#AllNiteCafe) karthik: Ayame pinged me twice
:asdfg!asdfg@213.91.176.m6913= JOIN :#AllNiteCafe
(#AllNiteCafe) karthik: now, its pay-back time
(#AllNiteCafe) NaTaLiE: lmao
(#AllNiteCafe) karthik: lmao
:NaTaLiE!something-@=79367.a.003.syd.iprimus.net.au QUIT :Excess flood
:be-my-friend!around@62.150.204.MZ812= QUIT :QUIT: User exited
```

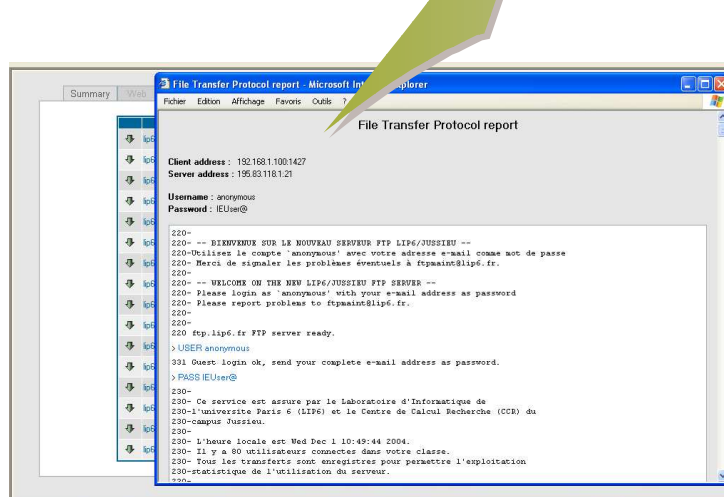


```
karthik: 3 now
karthik: lmao
popono: hello all
karthik: Ayame pinged me twice
karthik: now, its pay-back time
NaTaLiE: lmao
karthik: lmao
karthik: gahahaha
Tavy: 12- 13TheDon 12- ping 43435435459847353 secs
karthik: lmao
Tavy: hilirous
Serpico: hey now...hey! how are you? Hi there. guess what?
Serpico: im a cop!
CatWoman: kathrikkkkkkkkkkkkkkk hiiiiiiiiiiii
Tavy: oh goddamn it.
TheDon: ohh its you
NaTaLiE: lmao
karthik: lol sis
```

IP Operating Tools : File Transfer



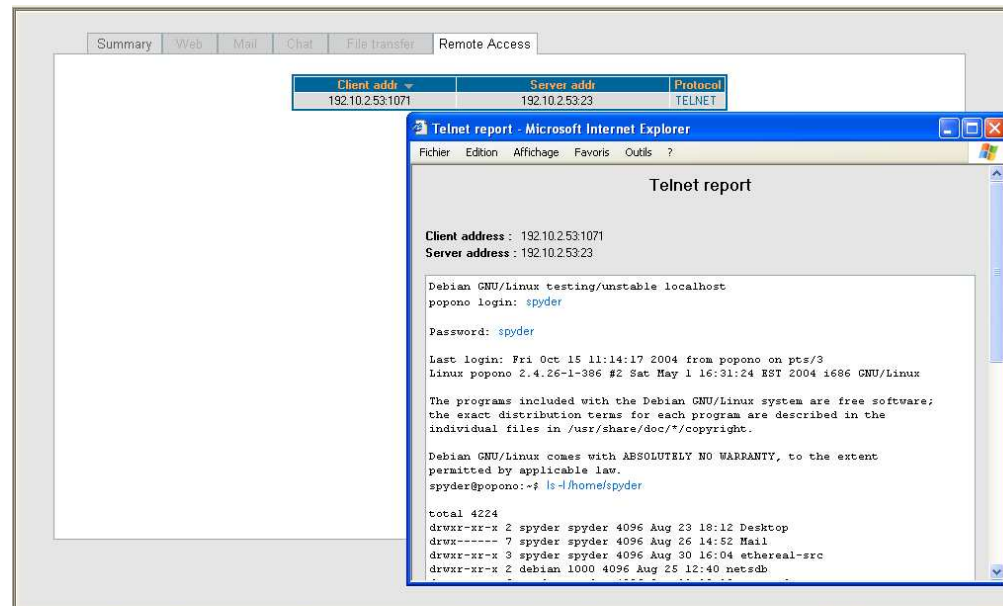
FTP Report



IP Operating Tools : Remote Access



Telnet Report



File Exportation



The screenshot shows the 'Export Http : File Parameters' dialog box. It has a tabbed interface with 'Production', 'Summary', 'Web', 'Mail', 'Chat', 'File transfer', 'Remote Access', 'VoIP', 'Acquisition', and 'Export'. The 'Export' tab is active. On the left, there is a sidebar titled 'Export Captures' with links for 'Home', 'Download http', 'Download ftp', and 'Permanent ftp'. The main area displays 'Estimated size of export : 589 MB'. Below this, there are two input fields: 'Download filename' with the value 'cap_20041221_085622to20041222_085430' and 'Max size of each downloaded file (MB)' with the value '250'. At the bottom, there are 'Continue' and 'Cancel' buttons.

File Importation



The screenshot shows the 'Export with http : File creation and Download' dialog box. It has the same tabbed interface as the previous dialog, with 'Export' selected. The sidebar 'Export Captures' is visible. The main area shows 'Export of selected capture from 2004-12-21 09:56:22 to 2004-12-22 09:54:30'. Below this, it says 'File (1) from 2004-12-21 09:56:22 to 2004-12-21 09:56:45'. There is a 'Download file' button. At the bottom, there is a 'Cancel Download' button and a note 'Go to next file (only when download is finished)'.



■ Questions?