

TD M2102 - Architecture des réseaux

TCP et UDP

Attention : l'exercice 1 propose d'analyser une trace Ethernet, et lors de l'exercice 2, il s'agit d'analyser une trace TCP entre 2 machines (les analyses des niveaux 2 et 3 ont été faites).

1. UDP

On se propose d'analyser la trace Ethernet ci-dessous.

1. Analyse au niveau 2 et 3
 - a. Quel est le protocole de niveau 3 ?
 - b. Quel est le protocole de niveau 4 ?
2. Analyse au niveau 4
3. Analyse au niveau 5 (donner uniquement les messages échangés)

Trame 1

```
08 00 20 10 b6 7c 08 00 20 75 13 88 08 00 45 00
00 2f 3c 22 40 00 ff 11 07 55 93 d2 08 03 93 d2
08 9f c5 7f 00 45 00 1b a0 d2 00 01 6c 6b 6a 66
64 73 66 00 6e 65 74 61 73 63 69 69 00
```

Trame 2

```
08 00 20 75 13 88 08 00 20 10 b6 7c 08 00 45 00
00 2f 25 30 00 00 3c 11 21 48 93 d2 08 9f 93 d2
08 03 0f 64 c5 7f 00 1b 00 00 00 05 00 01 46 69
6c 65 20 6e 6f 74 20 66 6f 75 6e 64 00
```

Trame 3

```
08 00 20 10 b6 7c 08 00 20 75 13 88 08 00 45 00
00 20 3c 23 40 00 ff 11 07 63 93 d2 08 03 93 d2
08 9f c5 7f 0f 64 00 0c f2 a6 00 04 00 01 00 00
00 20 00 00 00 01 ff ff ff ff ff ff
```

2. Analyse de trace TCP

On se propose d'analyser la trace TCP fournie en annexe 2.

1. Analyse au niveau TCP

Le but de cette partie est de fournir le scénario au niveau 4. Les questions suivantes vous donnent des indications sur les informations à faire apparaître dans votre scénario.

- a) Combien de connexions TCP dans cet échange ?
- b) Pour chaque connexion, préciser :
 - Les numéros de port utilisés.
 - Les segments TCP correspondants à :
 - la phase de connexion
 - l'échange de données
 - la déconnexion
 - Les numéros de séquences utilisés.
 - La taille des fenêtres au départ de l'échange
- c) Pour chaque segment TCP, préciser :
 - les flags positionnés (ACK,SYN,PUSH,FIN,URG,RST),
 - les numéros de séquence et d'acquittement échangés,
 - la taille des données transportées.
 - la valeur du champ « fenêtre »

2. Analyse au niveau application

Le but de cette partie est de fournir le scénario au niveau 5. De façon identique à l'exercice précédent, les questions suivantes vous donnent des indications sur votre analyse.

- a) Quel protocole application est concerné par cet échange ?
- b) Quelle(s) est (sont) la (les) requête(s) du client ?
- c) Donner une synthèse du scénario au niveau application

Annexe 1 : Structure des messages Ethernet, IP, TCP et UDP.

Structure des trames ETHERNET.

Adresse Destinataire	Adresse origine	Type de trame	'données'
----------------------	-----------------	---------------	-----------

Signification et taille des différents champs :

Adresse destinataire (6 octets) : Adresse ETHERNET du destinataire,
Adresse origine (6 octets) : Adresse ETHERNET de l'émetteur,
Type de trame (2 octets) : précise à quel protocole s'adresse les données,
0600 XNS
0800 IP
0806 ARP
...
Données (46-1500 octets) : les données !
Au minimum 46 octets (avec caractères de bourrage si nécessaire).

Structure des datagrammes IP.

0		8	16		24	31
Version	Taille de l'entête	Type de service	Longueur totale			
Identification			Flags	Offset (fragment)		
Durée de vie		Protocole transporté	Checksum			
Adresse IP source						
Adresse IP destinataire						
Options						
Données (Segment de niveau supérieur)						

Signification et taille des différents champs :

Version (4 bits) : Numéro de version du protocole
Taille de l'entête (4 bits) : Longueur de l'en-tête en mots de 32 bits
...
(les options font partie de l'en-tête),
Type de service (8 bits) : Priorité au délai, au débit, à la fiabilité,
00 pas de service,
08 priorité au délai,
10 priorité au débit,

20 priorité à la fiabilité,
...
Longueur totale (16 bits) : Longueur totale, en octets, entête et données comprises,
Identification (16 bits) : Identifiant du datagramme
Flags (3 bits) : Gestion de la fragmentation
000 dernier fragment
001 fragment à suivre
010 pas de fragment
Décalage de la fragmentation:
position relative par rapport au début du datagramme initial,
si celui-ci a été fragmenté (exprimé en unité de 8 octets),
Durée de vie (8 bits) : Temps écoulé depuis l'émission, exprimé en nombre de sauts,
Protocole transporté (8 bits) : Protocole de niveau supérieur
01_h ICMP
06_h TCP
09_h IGP
11_h UDP
1D_h Transport ISO Classe 4
...
Checksum (16 bits) : Total de contrôle,
Adresse IP source (32 bits) Adresse IP de l'émetteur
Adresse IP destinataire (32 bits) Adresse IP du destinataire
Options (n mots de 32 bits) : Facultatives,
Données (n octets) : Les données.

Structure des segments TCP.

0	8	16	24	31				
Port source		Port destination						
Numéro de séquence								
Numéro d'acquittement								
Taille de l'entête	Réservé	U	A	P	R	S	F	Fenêtre
		R	C	S	S	Y	I	
		G	K	H	T	N	N	
Checksum			Position des données urgentes					
Options								
Données (séquence d'octets du niveau supérieur)								

Signification et taille des différents champs :

Port Source (16) : Numéro du port source,
Port Destination (16) : Numéro du port destination,
Numéro de séquence (32) : Numéro de séquence du premier octet de ce segment,
Numéro d'acquittement (32) : Numéro du prochain octet attendu,
Taille de l'entête (4) : Longueur de l'en-tête en mots de 32 bits (les options font partie de l'en-tête),
Réservé (6) : Réserve pour une prochaine utilisation...
Bit URG (1) : Le pointeur de données urgentes est valide,
Bit ACK (1) : Le numéro d'acquittement est valide,
Bit PSH (1) : Données à envoyer de suite (push),
Bit RST (1) : Provoque la rupture anormale de la connexion,
Bit SYN (1) : Demande l'établissement de la connexion,
Bit FIN (1) : Demande la fin de la connexion,
Fenêtre (16) : Taille de fenêtre demandée à l'émission,
Checksum (16) : Total de contrôle,
Position des données urgentes (16) : S'il y en a, fournit la position relative des dernières données urgentes,
Options (n mots 32 bits) : Facultatifs
Données (n) : Séquence d'octets du niveau supérieur

Structure des datagrammes UDP.

0	8	16	24	31
Port source				Port destination
Longueur du datagramme UDP				Checksum
Données				

Signification et taille des différents champs :

Port Source (16) : Numéro du port source,
Port Destination (16) : Numéro du port destination,
Longueur totale (16) : Longueur totale, en octets, entête et données comprises,
Checksum (16) : Total de contrôle,
Données (n octets) : Champ de données de taille variable

Annexe 2 : Trace TCP

```
Packet Details
Item number 1, position in dumpfile 3%
----- TCP Header ----- - [34-53]
Source port = 1150 (Unassigned) - [34-35]
Destination port = 80 (www-http (World Wide Web HTTP)) - [36-37]
Sequence number = 3002088962 - [38-41]
Acknowledgement number = 501864369 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 018h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. .... = No urgent pointer - [46-47]
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 1... = Push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 64199 - [48-49]
Checksum = 16B7h - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Client Request ----- - [54-360]
[307 byte(s) of data]
GET /rubi/TD5/SolutionSessionPHP/SelectAuteur.php HTTP/1.1 - [54-111]
Accept: */* - [114-124]
Accept-Language: fr - [127-145]
Accept-Encoding: gzip, deflate - [148-177]
User-Agent: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 1.1.4322) - [180-265]
Host: dormeur - [268-280]
Connection: Keep-Alive - [283-304]
Cookie: PHPSESSID=608cblcac9eca7e32d36ca754648c48c - [307-356]
=====
* 00 0A 5E 44 | D6 56 00 08 | 74 E6 6B C1 | 08 00 45 00 | [..^D.V..t.k...E.]
* 01 5B 03 B7 | 40 00 40 06 | 20 7D AC 10 | 5E B1 AC 10 | [.[. @. @. ]. ^.^...]
* 5E 97 04 7E | 00 50 B2 F0 | 3E 02 1D E9 | D7 B1 50 18 | [^...P...>.....P.]
* FA C7 16 B7 | 00 00 47 45 | 54 20 2F 72 | 75 62 69 2F | [.....GET /rubi/]
* 54 44 35 2F | 53 6F 6C 75 | 74 69 6F 6E | 53 65 73 73 | [TD5/SolutionSess]
* 69 6F 6E 50 | 48 50 2F 53 | 65 6C 65 63 | 74 41 75 74 | [ionPHP/SelectAut]
* 65 75 72 2E | 70 68 70 20 | 48 54 54 50 | 2F 31 2E 31 | [eur.php HTTP/1.1]
* 0D 0A 41 63 | 63 65 70 74 | 3A 20 2A 2F | 2A 0D 0A 41 | [..Accept: /*..A]
* 63 63 65 70 | 74 2D 4C 61 | 6E 67 75 61 | 67 65 3A 20 | [ccept-Language: ]
* 66 72 0D 0A | 41 63 63 65 | 70 74 2D 45 | 6E 63 6F 64 | [fr..Accept-Encod]
* 69 6E 67 3A | 20 67 7A 69 | 70 2C 20 64 | 65 66 6C 61 | [ing: gzip, defla]
* 74 65 0D 0A | 55 73 65 72 | 2D 41 67 65 | 6E 74 3A 20 | [te..User-Agent: ]
* 4D 6F 7A 69 | 6C 6C 61 2F | 34 2E 30 20 | 28 63 6F 6D | [Mozilla/4.0 (com]
* 70 61 74 69 | 62 6C 65 3B | 20 4D 53 49 | 45 20 36 2E | [patible; MSIE 6.]
* 30 3B 20 57 | 69 6E 64 6F | 77 73 20 4E | 54 20 35 2E | [0; Windows NT 5.]
* 31 3B 20 53 | 56 31 3B 20 | 2E 4E 45 54 | 20 43 4C 52 | [1; SV1; .NET CLR]
* 20 31 2E 31 | 2E 34 33 32 | 32 29 0D 0A | 48 6F 73 74 | [ 1.1.4322)..Host]
* 3A 20 64 6F | 72 6D 65 75 | 72 0D 0A 43 | 6F 6E 6E 65 | [: dormeur..Conne]
* 63 74 69 6F | 6E 3A 20 4B | 65 65 70 2D | 41 6C 69 76 | [ction: Keep-Aliv]
* 65 0D 0A 43 | 6F 6F 6B 69 | 65 3A 20 50 | 48 50 53 45 | [e..Cookie: PHPSE]
* 53 53 49 44 | 3D 36 30 38 | 63 62 31 63 | 61 63 39 65 | [SSID=608cblcac9e]
* 63 61 37 65 | 33 32 64 33 | 36 63 61 37 | 35 34 36 34 | [ca7e32d36ca75464]
* 38 63 34 38 | 63 0D 0A 0D | 0A | | [8c48c....]

#####
Item number 2, position in dumpfile 8%
----- TCP Header ----- - [34-53]
Source port = 80 (www-http (World Wide Web HTTP)) - [34-35]
Destination port = 1150 (Unassigned) - [36-37]
Sequence number = 501864369 - [38-41]
Acknowledgement number = 3002089269 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 018h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. .... = No urgent pointer - [46-47]
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 1... = Push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ...1 = FIN - {46-47}
Window = 16752 - [48-49]
Checksum = 9641h - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Server Reply ----- - [54-1074]
[1021 byte(s) of data]
=====
* 00 08 74 E6 | 6B C1 00 0A | 5E 44 D6 56 | 08 00 45 00 | [...t.k...^D.V..E.]
* 01 A0 E3 FE | 40 00 80 06 | FF EF AC 10 | 5E 97 AC 10 | [....@.....^....]
* 5E B1 00 50 | 04 7E 1D E9 | D7 B1 B2 F0 | 3F 35 50 18 | [^..P.~.....?5P.]
* 41 70 2F 4A | 00 00 48 54 | 54 50 2F 31 | 2E 31 20 32 | [Ap/J..HTTP/1.1 2]
* 30 30 20 4F | 4B 0D 0A 53 | 65 72 76 65 | 72 3A 20 4D | [00 OK..Server: M]
* 69 63 72 6F | 73 6F 66 74 | 2D 49 49 53 | 2F 35 2E 30 | [icrosoft-IIS/5.0]
* 0D 0A 44 61 | 74 65 3A 20 | 53 61 74 2C | 20 32 31 20 | [..Date: Sat, 21 ]
* 4A 61 6E 20 | 32 30 30 36 | 20 30 39 3A | 33 30 3A 31 | [Jan 2006 09:30:1]
* 34 20 47 4D | 54 0D 0A 58 | 2D 50 6F 77 | 65 72 65 64 | [4 GMT..X-Powered]
* 2D 42 79 3A | 20 41 53 50 | 2E 4E 45 54 | 0D 0A 43 6F | [-By: ASP.NET..Co]
* 6E 6E 65 63 | 74 69 6F 6E | 3A 20 63 6C | 6F 73 65 0D | [nnection: close.]
* 0A 43 6F 6E | 74 65 6E 74 | 2D 74 79 70 | 65 3A 20 74 | [.Content-type: t]
* 65 78 74 2F | 68 74 6D 6C | 0D 0A 58 2D | 50 6F 77 65 | [ext/html..X-Powe]
* 72 65 64 2D | 42 79 3A 20 | 50 48 50 2F | 35 2E 30 2E | [red-By: PHP/5.0.]
* 34 0D 0A 53 | 65 74 2D 43 | 6F 6F 6B 69 | 65 3A 20 50 | [4..Set-Cookie: P]
* 48 50 53 45 | 53 53 49 44 | 3D 36 30 38 | 63 62 31 63 | [HPSESSID=608cblc]
* 61 63 39 65 | 63 61 37 65 | 33 32 64 33 | 36 63 61 37 | [ac9eca7e32d36ca?]
* 35 34 36 34 | 38 63 34 38 | 63 3B 20 70 | 61 74 68 3D | [54648c48c; path=]
* 2F 0D 0A 45 | 78 70 69 72 | 65 73 3A 20 | 54 68 75 2C | [/.Expires: Thu,]
* 20 31 39 20 | 4E 6F 76 20 | 31 39 38 31 | 20 30 38 3A | [ 19 Nov 1981 08:]
* 35 32 3A 30 | 30 20 47 4D | 54 0D 0A 43 | 61 63 68 65 | [52:00 GMT..Cache]
* 2D 43 6F 6E | 74 72 6F 6C | 3A 20 6E 6F | 2D 73 74 6F | [-Control: no-sto]
* 72 65 2C 20 | 6E 6F 2D 63 | 61 63 68 65 | 2C 20 6D 75 | [re, no-cache, mu]
* 73 74 2D 72 | 65 76 61 6C | 69 64 61 74 | 65 2C 20 70 | [st-revalidate, p]
* 6F 73 74 2D | 63 68 65 63 | 6B 3D 30 2C | 20 70 72 65 | [ost-check=0, pre]
* 2D 63 68 65 | 63 6B 3D 30 | 0D 0A 50 72 | 61 67 6D 61 | [-check=0..Pragma]
* 3A 20 6E 6F | 2D 63 61 63 | 68 65 0D 0A | 0D 0A | [: no-cache....]
```

```
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ..0. = No FIN - {46-47}
Window = 16752 - [48-49]
Checksum = 2F4Ah - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Server Reply ----- - [54-429]
[376 byte(s) of data]
HTTP/1.1 200 OK - [54-68]
Server: Microsoft-IIS/5.0 - [71-95]
Date: Sat, 21 Jan 2006 09:30:14 GMT - [98-132]
X-Powered-By: ASP.NET - [135-155]
Connection: close - [158-174]
Content-type: text/html - [177-199]
X-Powered-By: PHP/5.0.4 - [202-224]
Set-Cookie: PHPSESSID=608cblcac9eca7e32d36ca754648c48c; path=/ - [227-288]
Expires: Thu, 19 Nov 1981 08:52:00 GMT - [291-328]
Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0 - [331-407]
Pragma: no-cache - [410-425]
=====
* 00 08 74 E6 | 6B C1 00 0A | 5E 44 D6 56 | 08 00 45 00 | [...t.k...^D.V..E.]
* 01 A0 E3 FE | 40 00 80 06 | FF EF AC 10 | 5E 97 AC 10 | [....@.....^....]
* 5E B1 00 50 | 04 7E 1D E9 | D7 B1 B2 F0 | 3F 35 50 18 | [^..P.~.....?5P.]
* 41 70 2F 4A | 00 00 48 54 | 54 50 2F 31 | 2E 31 20 32 | [Ap/J..HTTP/1.1 2]
* 30 30 20 4F | 4B 0D 0A 53 | 65 72 76 65 | 72 3A 20 4D | [00 OK..Server: M]
* 69 63 72 6F | 73 6F 66 74 | 2D 49 49 53 | 2F 35 2E 30 | [icrosoft-IIS/5.0]
* 0D 0A 44 61 | 74 65 3A 20 | 53 61 74 2C | 20 32 31 20 | [..Date: Sat, 21 ]
* 4A 61 6E 20 | 32 30 30 36 | 20 30 39 3A | 33 30 3A 31 | [Jan 2006 09:30:1]
* 34 20 47 4D | 54 0D 0A 58 | 2D 50 6F 77 | 65 72 65 64 | [4 GMT..X-Powered]
* 2D 42 79 3A | 20 41 53 50 | 2E 4E 45 54 | 0D 0A 43 6F | [-By: ASP.NET..Co]
* 6E 6E 65 63 | 74 69 6F 6E | 3A 20 63 6C | 6F 73 65 0D | [nnection: close.]
* 0A 43 6F 6E | 74 65 6E 74 | 2D 74 79 70 | 65 3A 20 74 | [.Content-type: t]
* 65 78 74 2F | 68 74 6D 6C | 0D 0A 58 2D | 50 6F 77 65 | [ext/html..X-Powe]
* 72 65 64 2D | 42 79 3A 20 | 50 48 50 2F | 35 2E 30 2E | [red-By: PHP/5.0.]
* 34 0D 0A 53 | 65 74 2D 43 | 6F 6F 6B 69 | 65 3A 20 50 | [4..Set-Cookie: P]
* 48 50 53 45 | 53 53 49 44 | 3D 36 30 38 | 63 62 31 63 | [HPSESSID=608cblc]
* 61 63 39 65 | 63 61 37 65 | 33 32 64 33 | 36 63 61 37 | [ac9eca7e32d36ca?]
* 35 34 36 34 | 38 63 34 38 | 63 3B 20 70 | 61 74 68 3D | [54648c48c; path=]
* 2F 0D 0A 45 | 78 70 69 72 | 65 73 3A 20 | 54 68 75 2C | [/.Expires: Thu,]
* 20 31 39 20 | 4E 6F 76 20 | 31 39 38 31 | 20 30 38 3A | [ 19 Nov 1981 08:]
* 35 32 3A 30 | 30 20 47 4D | 54 0D 0A 43 | 61 63 68 65 | [52:00 GMT..Cache]
* 2D 43 6F 6E | 74 72 6F 6C | 3A 20 6E 6F | 2D 73 74 6F | [-Control: no-sto]
* 72 65 2C 20 | 6E 6F 2D 63 | 61 63 68 65 | 2C 20 6D 75 | [re, no-cache, mu]
* 73 74 2D 72 | 65 76 61 6C | 69 64 61 74 | 65 2C 20 70 | [st-revalidate, p]
* 6F 73 74 2D | 63 68 65 63 | 6B 3D 30 2C | 20 70 72 65 | [ost-check=0, pre]
* 2D 63 68 65 | 63 6B 3D 30 | 0D 0A 50 72 | 61 67 6D 61 | [-check=0..Pragma]
* 3A 20 6E 6F | 2D 63 61 63 | 68 65 0D 0A | 0D 0A | [: no-cache....]
```

```
* 04 25 E3 FF | 40 00 80 06 | FD 69 AC 10 | 5E 97 AC 10 | [%.~@....i..^...]
* 5E B1 00 50 | 04 7E 1D E9 | D9 29 B2 F0 | 3F 35 50 19 | [^..P~....)?5P.]
* 41 70 96 41 | 00 00 0D 0A | 3C 21 44 4F | 43 54 59 50 | [Ap.A....<IDOCTYP
* 45 20 68 74 | 6D 6C 20 50 | 55 42 4C 49 | 43 20 22 2D | [E html PUBLIC "-]
* 2F 2F 57 33 | 43 2F 2F 44 | 54 44 20 58 | 48 54 4D 4C | [//W3C//DTD XHTML
* 20 31 2E 30 | 20 53 74 72 | 69 63 74 2F | 2F 45 4E 22 | [ 1.0 Strict//EN"]
* 20 0D 0A 09 | 22 68 74 74 | 70 3A 2F 2F | 77 77 77 2E | [ ..."http://www.]
* 77 33 2E 6F | 72 67 2F 54 | 52 2F 78 68 | 74 6D 6C 31 | [w3.org/TR/xhtml1
* 2F 44 54 44 | 2F 78 68 74 | 6D 6C 31 2D | 73 74 72 69 | [/DTD/xhtml1-stri
* 63 74 2E 64 | 74 64 22 3E | 0D 0A 3C 68 | 74 6D 6C 20 | [ct.dtd">...<html
* 78 6D 6C 6E | 73 3D 22 68 | 74 74 70 3A | 2F 2F 77 77 | [xmlns="http://ww
* 77 2E 77 33 | 2E 6F 72 67 | 2F 31 39 39 | 39 2F 78 68 | [w.w3.org/1999/xh
* 74 6D 6C 22 | 20 6C 61 6E | 67 3D 22 66 | 72 2D 66 72 | [tml" lang="fr-fr]
* 22 3E 0D 0A | 3C 68 65 61 | 64 3E 0D 0A | 3C 6D 65 74 | [ ">..<head>..<met
* 61 20 63 6F | 6E 74 65 6E | 74 3D 22 74 | 65 78 74 2F | [a content="text//
* 68 74 6D 6C | 3B 20 63 68 | 61 72 73 65 | 74 3D 55 54 | [html; charset=UT
* 46 2D 38 22 | 20 68 74 74 | 70 2D 65 71 | 75 69 76 3D | [F-8" http-equiv=
* 22 63 6F 6E | 74 65 6E 74 | 2D 74 79 70 | 65 22 20 2F | ["content-type" /]
* 3E 0D 0A 3C | 74 69 74 6C | 65 3E 49 64 | 65 6E 74 69 | [>...<title>Identi
* 66 69 63 61 | 74 69 6F 6E | 3C 2F 74 69 | 74 6C 65 3E | [fication</title>]
* 0D 0A 3C 6D | 65 74 61 20 | 63 6F 6E 74 | 65 6E 74 3D | [...<meta content=
* 22 49 64 65 | 6E 74 69 66 | 69 63 61 74 | 69 6F 6E 22 | ["Identification"
* 20 6E 61 6D | 65 3D 22 64 | 65 73 63 72 | 69 70 74 69 | [ name="descripti
* 6F 6E 22 20 | 2F 3E 0D 0A | 3C 21 2D 2D | 20 43 72 65 | [on" />...<!-- Cre
* 65 20 70 61 | 72 3A 20 46 | 2E 52 2E 20 | 6C 65 20 31 | [e par: F.R. le 1
* 35 20 4A 61 | 6E 76 69 65 | 72 20 32 30 | 30 34 20 2D | [5 Janvier 2004 -]
* 2D 3E 0D 0A | 3C 6C 69 6E | 6B 20 72 65 | 6C 3D 22 73 | [->..<link rel="s
* 74 79 6C 65 | 73 68 65 65 | 74 22 20 74 | 79 70 65 3D | [tyle="sheet" type=
* 22 74 65 78 | 74 2F 63 73 | 73 22 20 68 | 72 65 66 3D | ["text/css" href=
* 22 6D 6F 6E | 73 74 79 6C | 65 2E 63 73 | 73 22 2F 3E | ["monstyle.css"/>
* 0D 0A 3C 2F | 68 65 61 64 | 3E 0D 0A 3C | 62 6F 64 79 | [...</head>..<body
* 3E 0D 0A 3C | 68 31 3E 20 | 42 69 62 6C | 69 6F 74 68 | [>...<h1> Biblioth
* 26 65 67 72 | 61 76 65 3B | 71 75 65 20 | 3C 2F 68 31 | [&grave;que </h1>
* 3E 0D 0A 0D | 0A 3C 66 6F | 72 6D 20 6D | 65 74 68 6F | [>...<form metho
* 64 3D 22 70 | 6F 73 74 22 | 20 61 63 74 | 69 6F 6E 3D | [d="post" action=
* 22 2F 72 75 | 62 69 2F 54 | 44 35 2F 53 | 6F 6C 75 74 | ["/rubi/TD5/Solut
* 69 6F 6E 53 | 65 73 73 69 | 6F 6E 50 48 | 50 2F 76 61 | [ionSessionPHP/va
* 6C 69 64 61 | 74 69 6F 6E | 2E 70 68 70 | 22 3E 0D 0A | [lidation.php">...
* 09 3C 68 32 | 3E 4C 27 61 | 63 63 26 65 | 67 72 61 76 | [<h2>L'acc&grave
* 65 3B 73 20 | 20 26 61 67 | 72 61 76 65 | 3B 20 6C 61 | [e;s &grave;la
* 20 62 69 62 | 6C 69 6F 74 | 68 26 65 67 | 72 61 76 65 | [ biblioth&grave
* 3B 71 75 65 | 20 6E 26 65 | 61 63 75 74 | 65 3B 63 65 | [;que n&eacute;ce
* 73 73 69 74 | 65 20 75 6E | 65 20 69 64 | 65 6E 74 69 | [ssite une identi
* 66 69 63 61 | 74 69 6F 6E | 3C 2F 68 32 | 3E 0D 0A 20 | [fication</h2>.. ]
* 20 20 20 3C | 70 3E 4E 6F | 6D 20 3A 20 | 26 6E 62 73 | [ <p>Nom : &nbs
* 70 3B 3C 69 | 6E 70 75 74 | 20 74 79 70 | 65 3D 22 74 | [p;<input type="t
* 65 78 74 22 | 20 6E 61 6D | 65 3D 22 4E | 6F 6D 22 20 | [ext" name="Nom" ]
* 73 69 7A 65 | 3D 22 33 30 | 22 3E 3C 2F | 70 3E 0D 0A | [size="30"></p>...
* 20 20 20 20 | 3C 70 3E 4D | 6F 74 20 64 | 65 20 70 61 | [ <p>Mot de pa
* 73 73 65 20 | 3A 3C 69 6E | 70 75 74 20 | 74 79 70 65 | [sse :<input type
* 3D 22 70 61 | 73 73 77 6F | 72 64 22 20 | 6E 61 6D 65 | [= "password" name
* 3D 22 50 61 | 73 73 77 6F | 72 64 22 20 | 73 69 7A 65 | [= "Password" size
* 3D 22 32 30 | 22 3E 3C 2F | 70 3E 0D 0A | 20 20 20 20 | [= "20"></p>.. ]
* 3C 70 3E 3C | 69 6E 70 75 | 74 20 74 79 | 70 65 3D 22 | [<p><input type="
* 73 75 62 6D | 69 74 22 20 | 76 61 6C 75 | 65 3D 22 45 | [submit" value="E
* 6E 76 6F 79 | 65 72 22 20 | 6E 61 6D 65 | 3D 22 42 31 | [nvoyer" name="B1]
* 22 3E 0D 0A | 09 3C 69 6E | 70 75 74 20 | 74 79 70 65 | [ ">...<input type
* 3D 22 72 65 | 73 65 74 22 | 20 76 61 6C | 75 65 3D 22 | [= "reset" value=
* 52 26 65 61 | 63 75 74 65 | 3B 74 61 62 | 6C 69 72 22 | [R&eacute;tablir"
* 20 6E 61 6D | 65 3D 22 42 | 32 22 3E 3C | 2F 70 3E 0D | [ name="B2"></p>
* 0A 3C 2F 66 | 6F 72 6D 3E | 0D 0A 0D 0A | 3C 68 34 3E | [<./form>...<h4>
* 3C 61 20 68 | 72 65 66 3D | 22 68 74 74 | 70 3A 2F 2F | [<a href="http://
* 77 77 77 2E | 69 6E 66 6F | 2E 69 75 74 | 2E 75 2D 62 | [www.info.iut.u-b
* 6F 72 64 65 | 61 75 78 31 | 2E 66 72 22 | 3E 51 75 69 | [ordeaux1.fr">Qui
* 74 74 65 72 | 3C 2F 61 3E | 3C 2F 68 34 | 3E 0D 0A 3C | [tter</a></h4>...<
* 2F 62 6F 64 | 79 3E 0D 0A | 3C 2F 68 74 | 6D 6C 3E 0D | [/body>...</html>.]
* 0A 0D 0A |
```

#####

Item number 4, position in dumpfile 19%
----- TCP Header ----- - [34-53]
Source port = 1150 (Unassigned) - [34-35]

Destination port = 80 (www-http (World Wide Web HTTP)) - [36-37]
Sequence number = 3002089269 - [38-41]
Acknowledgement number = 501865767 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 010h - {46-47}
0000 00.. = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. = No urgent pointer - [46-47]
0000 00.1 = Acknowledgement - {46-47}
0000 00.. 0... = No push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 64240 - [48-49]
Checksum = 1584h - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Client Request -----
[0 byte(s) of data]
=====

* 00 0A 5E 44 D6 56 00 08 74 E6 6B C1 08 00 45 00	[...^D.V..t.k...E.]
* 00 28 03 BA 40 00 40 06 21 AD AC 10 5E B1 AC 10	[...(.@.!....^...]
* 5E 97 04 7E 00 50 B2 F0 3F 35 1D E9 DD 27 50 10	[^...~.P..?5...^P.]
* FA F0 15 84 00 00	[.....]

#####

Item number 5, position in dumpfile 20%
----- TCP Header ----- - [34-53]
Source port = 1150 (Unassigned) - [34-35]
Destination port = 80 (www-http (World Wide Web HTTP)) - [36-37]
Sequence number = 3002089269 - [38-41]
Acknowledgement number = 501865767 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 011h - {46-47}
0000 00.. = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. = No urgent pointer - [46-47]
0000 00.1 = Acknowledgement - {46-47}
0000 00.. 0... = No push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ...1 = FIN - {46-47}
Window = 64240 - [48-49]
Checksum = 1584h - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Client Request -----
[0 byte(s) of data]
=====

* 00 0A 5E 44 D6 56 00 08 74 E6 6B C1 08 00 45 00	[...^D.V..t.k...E.]
* 00 28 03 BB 40 00 40 06 21 AC AC 10 5E B1 AC 10	[...(.@.!....^...]
* 5E 97 04 7E 00 50 B2 F0 3F 35 1D E9 DD 27 50 11	[^...~.P..?5...^P.]
* FA F0 15 84 00 00	[.....]

#####

Item number 6, position in dumpfile 20%
----- TCP Header ----- - [34-53]
Source port = 80 (www-http (World Wide Web HTTP)) - [34-35]
Destination port = 1150 (Unassigned) - [36-37]
Sequence number = 501865767 - [38-41]
Acknowledgement number = 3002089270 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 010h - {46-47}
0000 00.. = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. = No urgent pointer - [46-47]
0000 00.1 = Acknowledgement - {46-47}
0000 00.. 0... = No push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 16752 - [48-49]

```

Item number 8, position in dumpfile 22%
----- TCP Header ----- - [34-65]
Source port = 80 (www-http (World Wide Web HTTP)) - [34-35]
Destination port = 1153 (Unassigned) - [36-37]
Sequence number = 3441009068 - [38-41]
Acknowledgement number = 2523867635 - [42-45]
Header length = 32 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 012h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. .... = No urgent pointer - [46-47]
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 0... = No push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. .1.. = SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 17520 - [48-49]
Checksum = E134h - [50-51]
Urgent pointer = 0 - [52-53]
Options = 12 bytes - [54-65]
  Code = 2 (MSS)
  Required MSS: 1460
  Other Options

=====
* 00 08 74 E6 | 6B C1 00 0A | 5E 44 D6 56 | 08 00 45 00 | . . t . k . . . ^ D . V . E . |
* 00 34 E4 01 | 40 00 80 06 | 01 59 AC 10 | 5E 97 AC 10 | . . . . . Y . ^ . . . |

```

```

Item number 10, position in dumpfile 28%
----- TCP Header ----- - [34-53]
Source port = 1153 (Unassigned) - [34-35]
Destination port = 80 (www-http (World Wide Web HTTP)) - [36-37]
Sequence number = 2523867635 - [38-41]
Acknowledgement number = 3441009069 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 018h - {46-47}
  0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
  0000 000. .... = No urgent pointer - {46-47}
  0000 00.1 .... = Acknowledgement - {46-47}
  0000 00.. 1... = Push - {46-47}
  0000 00.. 0... = No reset - {46-47}
  0000 00.. ..0. = No SYN - {46-47}
  0000 00.. ...0 = No FIN - {46-47}
Window = 64240 - [48-49]
Checksum = 1751h - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Client Request ----- - [54-514]
[461 byte(s) of data]
GET /rubi/TD5/SolutionSessionPHP/monstyle.css HTTP/1.1 - [54-107]
Accept: /*/* - [110-120]
Referer: http://dormeur/rubi/TD5/SolutionSessionPHP/SelectAuteur.php - [123-190]
Accept-Language: fr - [193-211]
Accept-Encoding: gzip, deflate - [214-243]
If-Modified-Since: Thu, 08 Dec 2005 09:02:05 GMT - [246-293]
If-None-Match: "f4dc870fd6fb5c1:1547" - [296-331]
User-Agent: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 1.1.4322) - [334-419]
Host: dormeur - [422-434]
Connection: Keep-Alive - [437-458]
Cookie: PHPSESSID=608cb1cac9eca7e32d36ca754648c48c - [461-510]
=====
* 00 0A 5E 44 | D6 56 00 08 | 74 E6 6B C1 | 08 00 45 00 | [...]D.V..t.k...E.]
* 01 F5 03 BF | 40 00 04 06 | 1F DB AC 10 | 5E B1 AC 10 | [...]@. ....^...]
* 5E 97 04 81 | 00 50 96 6F | 29 F3 CD 19 | A1 AD 50 18 | [...]^...P.o)....P.]

```

```

Item number 11, position in dumpfile 30%
----- TCP Header ----- - [34-53]
Source port = 80 (www-http (World Wide Web HTTP)) - [34-35]
Destination port = 1153 (Unassigned) - [36-37]
Sequence number = 3441009069 - [38-41]
Acknowledgement number = 2523868096 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 018h - {46-47}
0000 00... .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. .... = No urgent pointer - {46-47}
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 1... = Push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 17059 - [48-49]
Checksum = F77Eh - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Server Reply ----- - [54-217]
[164 byte(s) of data]
HTTP/1.1 304 Not Modified - [54-78]
Server: Microsoft-IIS/5.0 - [81-105]
Date: Sat, 21 Jan 2006 09:30:14 GMT - [108-142]
X-Powered-By: ASP.NET - [145-165]
ETag: "fdc870fd6fbc51:1547" - [168-194]
Content-Length: 0 - [197-213]

=====
* 00 08 74 E6 | 6B C1 00 0A | 5E 44 D6 56 | 08 00 45 00 | [..t.k...^D.V..E.]
* 00 CC E4 02 | 40 00 80 06 | 00 C0 AC 10 | 5E 97 AC 10 | [....@.....^...]
* 5E B1 00 50 | 04 81 CD 19 | A1 AD 96 6F | 2B C0 50 18 | [^..P.....o+.P.]
* 42 A3 F7 7E | 00 00 48 54 | 54 50 2F 31 | 2E 31 20 33 | [B...~..HTTP/1.1 3]
* 30 34 20 4E | 6F 74 20 4D | 6F 64 69 66 | 69 65 64 0D | [04 Not Modified.]
* 0A 53 65 72 | 76 65 72 3A | 20 4D 69 63 | 72 6F 73 6F | [..Server: Microso]
* 66 74 2D 49 | 49 53 2F 35 | 2E 30 0D 0A | 44 61 74 65 | [ft-IIS/5.0...Date]
* 3A 20 53 61 | 74 2C 20 32 | 31 20 4A 61 | 6E 20 32 30 | [: Sat, 21 Jan 20]
* 30 36 20 30 | 39 3A 33 30 | 3A 31 34 20 | 47 4D 54 0D | [06 09:30:14 GMT.]
* 0A 58 2D 50 | 6F 77 65 72 | 65 64 2D 42 | 79 3A 20 41 | [..X-Powered-By: A]
* 53 50 2E 4E | 45 54 0D 0A | 45 54 61 67 | 3A 20 22 66 | [SP.NET...ETag: "f]
* 64 63 38 37 | 30 66 64 36 | 66 62 63 35 | 31 3A 31 35 | [dc870fd6fbc51:15]

```

```

Item number 13, position in dumpfile 38%
----- TCP Header ----- - [34-53]
Source port = 1153 (Unassigned) - [34-35]
Destination port = 80 (www-http (World Wide Web HTTP)) - [36-37]
Sequence number = 2523868096 - [38-41]
Acknowledgement number = 3441009233 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 018h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. .... = No urgent pointer - {46-47}
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 1... = Push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. .0. = No SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 64199 - [48-49]
Checksum = 1816h - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Client Request ----- - [54-711]
[658 byte(s) of data]
POST /rubi/TD5/SolutionSessionPHP/validation.php HTTP/1.1 - [54-110]
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, application/x-shockwave-flash, appl ... -
[113-284]
Referer: http://dormeur/rubi/TD5/SolutionSessionPHP/SelectAuteur.php - [287-354]
Accept-Language: fr - [357-375]
Content-Type: application/x-www-form-urlencoded - [378-424]
Accept-Encoding: gzip, deflate - [427-456]
User-Agent: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 1.1.4322) - [459-544]
Host: dormeur - [547-559]
Content-Length: 27 - [562-579]
Connection: Keep-Alive - [582-603]
Cache-Control: no-cache - [606-628]
Cookie: PHPSESSID=608cb1cac9eca7e32d36ca754648c48c - [631-680]
27 - [631-683]
Nom=a&Password=a&B1=Envoyer
=====

```

```
* 00 0A 5E 44 | D6 56 00 08 | 74 E6 6B C1 | 08 00 45 00 | ...^D.V..t.k...E.]
* 02 BA 03 C5 | 40 00 40 06 | 1F 10 AC 10 | 5E B1 AC 10 | [....@.@....^...]
* 5E 97 04 81 | 00 50 96 6F | 2B C0 CD 19 | A2 51 50 18 | [^....P.o+....QP.]
* FA C7 18 16 | 00 00 50 4F | 53 54 20 2F | 72 75 62 69 | [.....POST /rubi
* 2F 54 44 35 | 2F 53 6F 6C | 75 74 69 6F | 6E 53 65 73 | [/TD5/SolutionSes]
* 73 69 6F 6E | 50 48 50 2F | 76 61 6C 69 | 64 61 74 69 | [sionPHP/validati]
* 6F 6E 2E 70 | 68 70 20 48 | 54 54 50 2F | 31 2E 31 0D | [on.php HTTP/1.1.]
* 0A 41 63 63 | 65 70 74 3A | 20 69 6D 61 | 67 65 2F 67 | [.Accept: image/g
* 69 6E 2C 20 | 69 6D 61 67 | 65 2F 78 2D | 78 62 69 74 | [if, image/x-xbit
* 6D 61 70 2C | 20 69 6D 61 | 67 65 2F 6A | 70 65 67 2C | [map, image/jpeg,]
* 20 69 6D 61 | 67 65 2F 70 | 6A 70 65 67 | 2C 20 61 70 | [ image/pjpeg, ap]
* 70 6C 69 63 | 61 74 69 6F | 6E 2F 78 2D | 73 68 6F 63 | [plication/x-shoc
* 6B 77 61 76 | 65 2D 66 6C | 61 73 68 2C | 20 61 70 70 | [kwave-flash, app]
* 6C 69 63 61 | 74 69 6F 6E | 2F 76 6E 64 | 2E 6D 73 2D | [lication/vnd.ms-]
* 65 78 63 65 | 6C 2C 20 61 | 70 70 6C 69 | 63 61 74 69 | [excel, applicati]
* 6F 6E 2F 76 | 6E 64 2E 6D | 73 2D 70 6F | 77 65 72 70 | [on/vnd.ms-powerp]
* 6F 69 6E 74 | 2C 20 61 70 | 70 6C 69 63 | 61 74 69 6F | [oint, applicatio]
* 6E 2F 6D 73 | 77 6F 72 64 | 2C 20 2A 2F | 2A 0D 0A 52 | [n/msword, /*.R]
* 65 66 65 72 | 65 72 3A 20 | 68 74 74 70 | 3A 2F 2F 64 | [eferer: http://d]
* 6F 72 6D 65 | 75 72 2F 72 | 75 62 69 2F | 54 44 35 2F | [ormeur/rubi/TD5/]
* 53 6F 6C 75 | 74 69 6F 6E | 53 65 73 73 | 69 6F 6E 50 | [SolutionSessionP]
* 48 50 2F 53 | 65 6C 65 63 | 74 41 75 74 | 65 75 72 2E | [HP/SelectAuteur.]
* 70 68 70 0D | 0A 41 63 63 | 65 70 74 2D | 4C 61 6E 67 | [php..Accept-Lang]
* 75 61 67 65 | 3A 20 66 72 | 0D 0A 43 6F | 6E 74 65 6E | [uage: fr..Conten]
* 74 2D 54 79 | 70 65 3A 20 | 61 70 70 6C | 69 63 61 74 | [t-Type: applicat]
* 69 6F 6E 2F | 78 2D 77 77 | 77 2D 66 6F | 72 6D 2D 75 | [ion/x-www-form-u]
* 72 6C 65 6E | 63 6F 64 65 | 64 0D 0A 41 | 63 63 65 70 | [rlencoded..Accep]
* 74 2D 45 6E | 63 6F 64 69 | 6E 67 3A 20 | 67 7A 69 70 | [t-Encoding: gzip]
* 2C 20 64 65 | 66 6C 61 74 | 65 0D 0A 55 | 73 65 72 2D | [, deflate..User-]
* 41 67 65 6E | 74 3A 20 4D | 6F 7A 69 6C | 6C 61 2F 34 | [Agent: Mozilla/4]
* 2E 30 20 28 | 63 6F 6D 70 | 61 74 69 62 | 6C 65 3B 20 | [.0 (compatible; ]
* 4D 53 49 45 | 20 36 2E 30 | 3B 20 57 69 | 6E 64 6F 77 | [MSIE 6.0; Window]
* 73 20 4E 54 | 20 35 2E 31 | 3B 20 53 56 | 31 3B 20 2E | [s NT 5.1; SVL; .]
* 4E 45 54 20 | 43 4C 52 20 | 31 2E 31 2E | 34 33 32 32 | [NET CLR 1.1.4322]
* 29 0D 0A 48 | 6F 73 74 3A | 20 64 6F 72 | 6D 65 75 72 | [)..Host: dormeur]
* 0D 0A 43 6F | 6E 74 65 6E | 74 2D 4C 65 | 6E 67 74 68 | [..Content-Length]
* 3A 20 32 37 | 0D 0A 43 6F | 6E 6E 65 63 | 74 69 6F 6E | [: 27..Connection]
* 3A 20 4B 65 | 65 70 2D 41 | 6C 69 76 65 | 0D 0A 43 61 | [: Keep-Alive..Ca]
* 63 68 65 2D | 43 6F 6E 74 | 72 6F 6C 3A | 20 6E 6F 2D | [che-Control: no-]
* 63 61 63 68 | 65 0D 0A 43 | 6F 6F 6B 69 | 65 3A 20 50 | [cache..Cookie: P]
* 48 50 53 45 | 53 53 49 44 | 3D 36 30 38 | 63 62 31 63 | [HPSESSID=608cblc]
* 61 63 39 65 | 63 61 37 65 | 33 32 64 33 | 36 63 61 37 | [ac9eca7e32d36ca7]
* 35 34 36 34 | 38 63 34 38 | 63 0D 0A 0D | 0A 4E 6F 6D | [54648c48c....Nom]
* 3D 61 26 50 | 61 73 73 77 | 6F 72 64 3D | 61 26 42 31 | [=a&Password=a&B1]
* 3D 45 6E 76 | 6F 79 65 72 | | | [=Envoyeur]
```

#####

Item number 14, position in dumpfile 40%

```
----- TCP Header ----- - [34-53]
Source port = 80 (www-http (World Wide Web HTTP)) - [34-35]
Destination port = 1153 (Unassigned) - [36-37]
Sequence number = 3441009233 - [38-41]
Acknowledgement number = 2523868754 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 018h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 0000. .... = No urgent pointer - {46-47}
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 1... = Push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 16401 - [48-49]
Checksum = 1AB7h - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Server Reply ----- - [54-165]
[112 byte(s) of data]
HTTP/1.1 100 Continue - [54-74]
Server: Microsoft-IIS/5.0 - [77-101]
Date: Sat, 21 Jan 2006 09:30:22 GMT - [104-138]
X-Powered-By: ASP.NET - [141-161]
```

```
=====
* 00 08 74 E6 | 6B C1 00 0A | 5E 44 D6 56 | 08 00 45 00 | [...t.k...^D.V..E.]
* 00 98 E4 E2 | 40 00 80 06 | 00 14 AC 10 | 5E 97 AC 10 | [....@.....^...]
* 5E B1 00 50 | 04 81 CD 19 | A2 51 96 6F | 2E 52 50 18 | [^..P.....Q.o.RP.]
* 40 11 1A B7 | 00 00 48 54 | 54 50 2F 31 | 2E 31 20 31 | [@.....HTTP/1.1 ]
* 30 30 20 43 | 6F 6E 74 69 | 6E 75 65 0D | 0A 53 65 72 | [00 Continue..Ser]
* 76 65 72 3A | 20 4D 69 63 | 72 6F 73 6F | 66 74 2D 49 | [ver: Microsoft-I]
* 49 53 2F 35 | 2E 30 0D 0A | 44 61 74 65 | 3A 20 53 61 | [IS/5.0..Date: Sa]
* 74 2C 20 32 | 31 20 4A 61 | 6E 20 32 30 | 30 36 20 30 | [t, 21 Jan 2006 0]
* 39 3A 33 30 | 3A 32 32 20 | 47 4D 54 0D | 0A 58 2D 50 | [9:30:22 GMT..X-P]
* 6F 77 65 72 | 65 64 2D 42 | 79 3A 20 41 | 53 50 2E 4E | [owered-By: ASP.N]
* 45 54 0D 0A | 0D 0A | | | [ET....]
```

#####

Item number 15, position in dumpfile 53%

```
----- TCP Header ----- - [34-53]
Source port = 80 (www-http (World Wide Web HTTP)) - [34-35]
Destination port = 1153 (Unassigned) - [36-37]
Sequence number = 3441009345 - [38-41]
Acknowledgement number = 2523868754 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 019h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 0000. .... = No urgent pointer - {46-47}
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 1... = Push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ...1 = FIN - {46-47}
Window = 16401 - [48-49]
Checksum = D6AFh - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Server Reply ----- - [54-1329]
[1276 byte(s) of data]
HTTP/1.1 200 OK - [54-68]
Server: Microsoft-IIS/5.0 - [71-95]
Date: Sat, 21 Jan 2006 09:30:22 GMT - [98-132]
X-Powered-By: ASP.NET - [135-155]
Connection: close - [158-174]
Content-type: text/html - [177-199]
X-Powered-By: PHP/5.0.4 - [202-224]
Set-Cookie: PHPSESSID=608cblcac9eca7e32d36ca754648c48c; path=/ - [227-288]
Expires: Thu, 19 Nov 1981 08:52:00 GMT - [291-328]
Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0 - [331-407]
Pragma: no-cache - [410-425]
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" - [430-486]
Binary Data: 841 - [489-1329]
```

```
=====
* 00 08 74 E6 | 6B C1 00 0A | 5E 44 D6 56 | 08 00 45 00 | [...t.k...^D.V..E.]
* 05 24 E4 EA | 40 00 80 06 | FB 7F AC 10 | 5E 97 AC 10 | [.$..@.....^...]
* 5E B1 00 50 | 04 81 CD 19 | A2 C1 96 6F | 2E 52 50 19 | [^..P.....o.RP.]
* 40 11 D6 AF | 00 00 48 54 | 54 50 2F 31 | 2E 31 20 32 | [@.....HTTP/1.1 2]
* 30 30 20 4F | 4B 0D 0A 53 | 65 72 76 65 | 72 3A 20 4D | [00 OK..Server: M]
* 69 63 72 6F | 73 6F 66 74 | 2D 49 49 53 | 2F 35 2E 30 | [icrosoft-IIS/5.0]
* 0D 0A 44 61 | 74 65 3A 20 | 53 61 74 2C | 20 32 31 20 | [..Date: Sat, 21 ]
* 4A 61 6E 20 | 32 30 30 36 | 20 30 39 3A | 33 30 3A 32 | [Jan 2006 09:30:2]
* 32 20 47 4D | 54 0D 0A 58 | 2D 50 6F 77 | 65 72 65 64 | [2 GMT..X-Powered]
* 2D 42 79 3A | 20 41 53 50 | 2E 4E 45 54 | 0D 0A 43 6F | [-By: ASP.NET..Co]
* 6E 6E 65 63 | 74 69 6F 6E | 3A 20 63 6C | 6F 73 65 0D | [nnection: close.]
* 0A 43 6F 6E | 74 65 6E 74 | 2D 74 79 70 | 65 3A 20 74 | [..Content-type: t]
* 65 78 74 2F | 68 74 6D 6C | 0D 0A 58 2D | 50 6F 77 65 | [ext/html..X-Powe]
* 72 65 64 2D | 42 79 3A 20 | 50 48 50 2F | 35 2E 30 2E | [red-By: PHP/5.0.]
* 34 0D 0A 53 | 65 74 2D 43 | 6F 6F 6B 69 | 65 3A 20 50 | [4..Set-Cookie: P]
* 48 50 53 45 | 53 53 49 44 | 3D 36 30 38 | 63 62 31 63 | [HPSESSID=608cblc]
* 61 63 39 65 | 63 61 37 65 | 33 32 64 33 | 36 63 61 37 | [ac9eca7e32d36ca7]
* 35 34 36 34 | 38 63 34 38 | 63 3B 20 70 | 61 74 68 3D | [54648c48c; path=]
* 2F 0D 0A 45 | 78 70 69 72 | 65 73 3A 20 | 54 68 75 2C | [../Expires: Thu,]
* 20 31 39 20 | 4E 6F 76 20 | 31 39 38 31 | 20 30 38 3A | [ 19 Nov 1981 08:]
* 35 32 3A 30 | 30 20 47 4D | 54 0D 0A 43 | 61 63 68 65 | [52:00 GMT..Cache]
* 2D 43 6F 6E | 74 72 6F 6C | 3A 20 6E 6F | 2D 73 74 6F | [-Control: no-sto]
* 72 65 2C 20 | 6E 6F 2D 63 | 61 63 68 65 | 2C 20 6D 75 | [re, no-cache, mu]
```


* 73 74 2D 72 | 65 76 61 6C | 69 64 61 74 | 65 2C 20 70 [st-revalidate, p]
* 6F 73 74 2D | 63 68 65 63 | 6B 3D 30 2C | 20 70 72 65 [ost-check=0, pre]
* 2D 63 68 65 | 63 6B 3D 30 | 0D 0A 50 72 | 61 67 6D 61 [-check=0..Pragma]
* 3A 20 6E 6F | 2D 63 61 63 | 68 65 0D 0A | 0D 0A 3C 21 [: no-cache....<!]
* 44 4F 43 54 | 59 50 45 20 | 68 74 6D 6C | 20 50 55 42 [DOCTYPE html PUB]
* 4C 49 43 20 | 22 2D 2F 2F | 57 33 43 2F | 2F 44 54 44 [LIC "-//W3C//DTD]
* 20 58 48 54 | 4D 4C 20 31 | 2E 30 20 53 | 74 72 69 63 [XHTML 1.0 Stric]
* 74 2F 2F 45 | 4E 22 20 0D | 0A 09 22 68 | 74 74 70 3A [t//EN" ...http:]
* 2F 2F 77 77 | 77 2E 77 33 | 2E 6F 72 67 | 2F 54 52 2F [//www.w3.org/TR/]
* 78 68 74 6D | 6C 31 2F 44 | 54 44 2F 78 | 68 74 6D 6C [xhtml1/DTD/xhtml]
* 31 2D 73 74 | 72 69 63 74 | 2E 64 74 64 | 22 3E 0D 0A [l-strict.dtd">...]
* 3C 68 74 6D | 6C 20 78 6D | 6C 6E 73 3D | 22 68 74 74 [<html xmlns="htt
* 70 3A 2F 2F | 77 77 77 2E | 77 33 2E 6F | 72 67 2F 31 [p://www.w3.org/l]
* 39 39 39 2F | 78 68 74 6D | 6C 22 20 6C | 61 6E 67 3D [999/xhtml" lang=]
* 22 66 72 2D | 66 72 22 3E | 0D 0A 3C 68 | 65 61 64 3E ["fr-fr">...<head>]
* 0D 0A 3C 6D | 65 74 61 20 | 63 6F 6E 74 | 65 6E 74 3D [...meta content=]
* 22 74 65 78 | 74 2F 68 74 | 6D 6C 3B 20 | 63 68 61 72 ["text/html; char
* 73 65 74 3D | 55 54 46 2D | 38 22 20 68 | 74 74 70 2D [set=UTF-8" http-
* 65 71 75 69 | 76 3D 22 63 | 6F 6E 74 65 | 6E 74 2D 74 [equiiv="content-t
* 79 70 65 22 | 20 2F 3E 0D | 0A 3C 74 69 | 74 6C 65 3E [ype" />...<title>
* 53 65 6C 65 | 63 74 69 6F | 6E 20 61 75 | 74 65 75 72 [Selection auteur
* 3C 2F 74 69 | 74 6C 65 3E | 0D 0A 3C 6D | 65 74 61 20 [</title>...<meta >
* 63 6F 6E 74 | 65 6E 74 3D | 22 53 65 6C | 65 63 74 69 [content="Selecti
* 6F 6E 20 61 | 75 74 65 75 | 72 22 20 6E | 61 6D 65 3D [on auteur" name=]
* 22 64 65 73 | 63 72 69 70 | 74 69 6F 6E | 22 20 2F 3E ["description" />
* 0D 0A 3C 21 | 2D 2D 20 43 | 72 65 65 20 | 70 61 72 3A [...!-- Cree par:]
* 20 46 2E 52 | 2E 20 6C 65 | 20 31 35 20 | 4A 61 6E 76 [F.R. le 15 Janv]
* 69 65 72 20 | 32 30 30 34 | 20 2D 2D 3E | 0D 0A 3C 6C [ier 2004 -->...<l
* 69 6E 6B 20 | 72 65 6C 3D | 22 73 74 79 | 6C 65 73 68 [ink rel="stylesh
* 65 65 74 22 | 20 74 79 70 | 65 3D 22 74 | 65 78 74 2F [eet" type="text/
* 63 73 73 22 | 20 68 72 65 | 66 3D 22 6D | 6F 6E 73 74 [css" href="monst
* 79 6C 65 2E | 63 73 73 22 | 2F 3E 0D 0A | 3C 2F 68 65 [yle.css"/>...</he
* 61 64 3E 0D | 0A 3C 62 6F | 64 79 3E 0D | 0A 3C 68 31 [ad>...<body>...<hl
* 3E 20 42 69 | 62 6C 69 6F | 74 68 26 65 | 67 72 61 76 [> Biblioth&egrav
* 65 3B 71 75 | 65 20 3C 2F | 68 31 3E 0D | 0A 0D 0A 3C [eique </hl>...<
* 70 3E 20 42 | 6F 6E 6A 6F | 75 72 20 61 | 3C 2F 70 3E [p> Bonjour a</p>
* 20 0D 0A 0D | 0A 3C 68 32 | 3E 20 52 65 | 63 68 65 72 [...<h2> Recher
* 63 68 65 20 | 61 75 74 65 | 75 72 20 26 | 61 67 72 61 [che auteur &agra
* 76 65 3B 20 | 70 61 72 74 | 69 72 20 64 | 65 20 6C 27 [ve; partir de l'
* 69 6E 69 74 | 69 61 6C 65 | 20 3C 2F 68 | 32 3E 0D 0A [initiale </h2>...
* 3C 66 6F 72 | 6D 20 6D 65 | 74 68 6F 64 | 3D 22 70 6F [<form method="po
* 73 74 22 20 | 61 63 74 69 | 6F 6E 3D 22 | 52 65 63 68 [st" action="Rech
* 65 72 63 68 | 65 41 75 74 | 65 75 72 73 | 2E 70 68 70 [ercheAuteurs.php
* 22 3E 0D 0A | 09 3C 70 3E | 49 6E 69 74 | 69 61 6C 65 [">...<p>Initiale
* 20 3A 20 20 | 3C 69 6E 70 | 75 74 20 74 | 79 70 65 3D [: <input type=]
* 22 74 65 78 | 74 22 20 73 | 69 7A 65 3D | 22 31 22 20 ["text" size="1"]
* 6E 61 6D 65 | 3D 22 69 6E | 69 74 69 61 | 6C 65 22 3E [name="initiale">
* 3C 2F 70 3E | 0D 0A 20 20 | 20 20 20 3C | 70 3E 3C 69 [</p>... <p><i
* 6E 70 75 74 | 20 74 79 70 | 65 3D 22 73 | 75 62 6D 69 [nput type="submi
* 74 22 20 76 | 61 6C 75 65 | 3D 22 45 6E | 76 6F 79 65 [t" value="Envoye
* 72 22 3E 20 | 0D 0A 09 09 | 3C 69 6E 70 | 75 74 20 74 [r"> ...<input t
* 79 70 65 3D | 22 72 65 73 | 65 74 22 20 | 76 61 6C 75 [ype="reset" valu
* 65 3D 22 43 | 6C 65 61 72 | 22 3E 3C 2F | 70 3E 0D 0A [e="Clear"></p>...
* 3C 2F 66 6F | 72 6D 3E 0D | 0A 3C 62 72 | 2F 3E 20 0D [</form>...
 .]
* 0A 3C 68 34 | 3E 3C 61 20 | 68 72 65 66 | 3D 22 2F 72 [.<h4><a href=" /r
* 75 62 69 2F | 54 44 35 2F | 53 6F 6C 75 | 74 69 6F 6E [ubi/TD5/Solution
* 53 65 73 73 | 69 6F 6E 50 | 48 50 2F 44 | 65 63 6F 6E [SessionPHP/Decon
* 6E 65 78 69 | 6F 6E 2E 70 | 68 70 22 3E | 44 65 63 6F [nexion.php">Deco
* 6E 6E 65 78 | 69 6F 6E 3C | 2F 61 3E 3C | 2F 68 34 3E [nnexion</h4>
* 0D 0A 3C 2F | 62 6F 64 79 | 3E 0D 0A 3C | 2F 68 74 6D [...</body>...</htm
* 6C 3E | | | | [l>]

#####

Item number 16, position in dumpfile 53%
----- TCP Header ----- - [34-53]
Source port = 1153 (Unassigned) - [34-35]
Destination port = 80 (www-http (World Wide Web HTTP)) - [36-37]
Sequence number = 2523868754 - [38-41]
Acknowledgement number = 3441010622 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 010h - {46-47}
0000 00.. = 6 Reserved bits, for future usage, which have to be 0 - {46-47}

0000 000. = No urgent pointer - {46-47}
0000 00.1 = Acknowledgement - {46-47}
0000 00.. 0.. = No push - {46-47}
0000 00.. .0. = No reset - {46-47}
0000 00.. .0. = No SYN - {46-47}
0000 00.. .0. = No FIN - {46-47}
Window = 64240 - [48-49]
Checksum = 1584h - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Client Request -----
[0 byte(s) of data]

* 00 0A 5E 44 | D6 56 00 08 | 74 E6 6B C1 | 08 00 45 00 [...^D.V..t.k...E.]
* 00 28 03 C8 | 40 00 40 06 | 21 9F AC 10 | 5E B1 AC 10 [.(...@.!....^...]
* 5E 97 04 81 | 00 50 96 6F | 2E 52 CD 19 | A7 BE 50 10 [^.....P.o.R....P.]
* FA F0 15 84 | 00 00 | | | [.....]

#####

Item number 17, position in dumpfile 54%
----- TCP Header ----- - [34-53]
Source port = 1153 (Unassigned) - [34-35]
Destination port = 80 (www-http (World Wide Web HTTP)) - [36-37]
Sequence number = 2523868754 - [38-41]
Acknowledgement number = 3441010622 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 011h - {46-47}
0000 00.. = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. = No urgent pointer - {46-47}
0000 00.1 = Acknowledgement - {46-47}
0000 00.. 0.. = No push - {46-47}
0000 00.. .0. = No reset - {46-47}
0000 00.. .0. = No SYN - {46-47}
0000 00.. .1. = FIN - {46-47}
Window = 64240 - [48-49]
Checksum = 1584h - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Client Request -----
[0 byte(s) of data]

* 00 0A 5E 44 | D6 56 00 08 | 74 E6 6B C1 | 08 00 45 00 [...^D.V..t.k...E.]
* 00 28 03 C9 | 40 00 40 06 | 21 9E AC 10 | 5E B1 AC 10 [.(...@.!....^...]
* 5E 97 04 81 | 00 50 96 6F | 2E 52 CD 19 | A7 BE 50 11 [^.....P.o.R....P.]
* FA F0 15 84 | 00 00 | | | [.....]

#####

Item number 18, position in dumpfile 55%
----- TCP Header ----- - [34-53]
Source port = 80 (www-http (World Wide Web HTTP)) - [34-35]
Destination port = 1153 (Unassigned) - [36-37]
Sequence number = 3441010622 - [38-41]
Acknowledgement number = 2523868755 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 010h - {46-47}
0000 00.. = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. = No urgent pointer - {46-47}
0000 00.1 = Acknowledgement - {46-47}
0000 00.. 0.. = No push - {46-47}
0000 00.. .0. = No reset - {46-47}
0000 00.. .0. = No SYN - {46-47}
0000 00.. .0. = No FIN - {46-47}
Window = 16401 - [48-49]
Checksum = 1BEEh - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Server Reply ----- - [54-59]
[6 byte(s) of data]

```
* 00 08 74 E6 | 6B C1 00 0A | 5E 44 D6 56 | 08 00 45 00 [...t.k...^D.V..E.]
* 00 28 E4 F6 | 40 00 80 06 | 00 70 AC 10 | 5E 97 AC 10 [...@....p..^...]
* 5E B1 00 50 | 04 81 CD 19 | A7 BE 96 6F | 2E 53 50 10 [^..P.....O.SP.]
* 40 11 1B EE | 00 00 00 00 | 00 00 00 00 |                [ @..... ]
```

#####

```
Item number 19, position in dumpfile 56%
----- TCP Header ----- - [34-65]
Source port = 1154 (Unassigned) - [34-35]
Destination port = 80 (www-http (World Wide Web HTTP)) - [36-37]
Sequence number = 33927497 - [38-41]
Acknowledgement number = 0 - [42-45]
Header length = 32 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 002h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000.. .... = No urgent pointer - [46-47]
0000 00.0 .... = No acknowledgement - {46-47}
0000 00.. 0... = No push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..1. = SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 65535 - [48-49]
Checksum = A18Ch - [50-51]
Urgent pointer = 0 - [52-53]
Options = 12 bytes - [54-65]
Code = 2 (MSS)
Required MSS: 1460
Other Options
----- HTTP Client Request -----
[0 byte(s) of data]
```

```
*****
* 00 0A 5E 44 | D6 56 00 08 | 74 E6 6B C1 | 08 00 45 00 [...^D.V..t.k...E.]
* 00 34 03 CA | 40 00 40 06 | 21 91 AC 10 | 5E B1 AC 10 [.4..@.@.!...^...]
* 5E 97 04 82 | 00 50 02 05 | B1 49 00 00 | 00 00 80 02 [^....P...I.....]
* FF FF A1 8C | 00 00 02 04 | 05 B4 01 03 | 03 02 01 01 [.....]
* 04 02 | | | | [..]
```

#####

```
Item number 20, position in dumpfile 56%
----- TCP Header ----- - [34-65]
Source port = 80 (www-http (World Wide Web HTTP)) - [34-35]
Destination port = 1154 (Unassigned) - [36-37]
Sequence number = 2513773630 - [38-41]
Acknowledgement number = 33927498 - [42-45]
Header length = 32 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 012h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000.. .... = No urgent pointer - [46-47]
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 0... = No push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..1. = SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 17520 - [48-49]
Checksum = A2F9h - [50-51]
Urgent pointer = 0 - [52-53]
Options = 12 bytes - [54-65]
Code = 2 (MSS)
Required MSS: 1460
Other Options
*****
```

```
* 00 08 74 E6 | 6B C1 00 0A | 5E 44 D6 56 | 08 00 45 00 [...t.k...^D.V..E.]
* 00 34 E5 46 | 40 00 80 06 | 00 14 AC 10 | 5E 97 AC 10 [.4.F@.....^...]
* 5E B1 00 50 | 04 82 95 D5 | 24 3E 02 05 | B1 4A 80 12 [^..P....$>...J...]
* 44 70 A2 F9 | 00 00 02 04 | 05 B4 01 03 | 03 00 01 01 [Dp.....]
* 04 02 | | | | [..]
```

#####

```
Item number 21, position in dumpfile 57%
----- TCP Header ----- - [34-53]
Source port = 1154 (Unassigned) - [34-35]
Destination port = 80 (www-http (World Wide Web HTTP)) - [36-37]
Sequence number = 33927498 - [38-41]
Acknowledgement number = 2513773631 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 010h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000.. .... = No urgent pointer - [46-47]
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 0... = No push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 64240 - [48-49]
Checksum = 1584h - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Client Request -----
[0 byte(s) of data]
*****
* 00 0A 5E 44 | D6 56 00 08 | 74 E6 6B C1 | 08 00 45 00 [...^D.V..t.k...E.]
* 00 28 03 CC | 40 00 40 06 | 21 9B AC 10 | 5E B1 AC 10 [...@.@.!...^...]
* 5E 97 04 82 | 00 50 02 05 | B1 4A 95 D5 | 24 3F 50 10 [^....P...J..$?P.]
* FA F0 15 84 | 00 00 | | | [.....]
```

#####

```
Item number 22, position in dumpfile 64%
----- TCP Header ----- - [34-53]
Source port = 1154 (Unassigned) - [34-35]
Destination port = 80 (www-http (World Wide Web HTTP)) - [36-37]
Sequence number = 33927498 - [38-41]
Acknowledgement number = 2513773631 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 018h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000.. .... = No urgent pointer - [46-47]
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 1... = Push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 64240 - [48-49]
Checksum = 180Bh - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Client Request ----- - [54-700]
[647 byte(s) of data]
POST /rubi/TD5/SolutionSessionPHP/RechercheAuteurs.php HTTP/1.1 - [54-116]
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, application/x-shockwave-flash, appl ... - [119-290]
Referer: http://dormeur/rubi/TD5/SolutionSessionPHP/validation.php - [293-358]
Accept-Language: fr - [361-379]
Content-Type: application/x-www-form-urlencoded - [382-428]
Accept-Encoding: gzip, deflate - [431-460]
User-Agent: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 1.1.4322) - [463-548]
Host: dormeur - [551-563]
Content-Length: 12 - [566-583]
Connection: Keep-Alive - [586-607]
Cache-Control: no-cache - [610-632]
Cookie: PHPSESSID=608cblcac9eca7e32d36ca754648c48c - [635-684]
12 - [635-687]
initiale=tou
*****
* 00 0A 5E 44 | D6 56 00 08 | 74 E6 6B C1 | 08 00 45 00 [...^D.V..t.k...E.]
* 02 AF 03 CD | 40 00 40 06 | 1F 13 AC 10 | 5E B1 AC 10 [....@.@.....^...]
* 5E 97 04 82 | 00 50 02 05 | B1 4A 95 D5 | 24 3F 50 18 [^....P...J..$?P.]
* FA F0 18 0B | 00 00 50 4F | 53 54 20 2F | 72 75 62 69 [.....POST /rubi]
* 2F 54 44 35 | 2F 53 6F 6C | 75 74 69 6F | 6E 53 65 73 [/TD5/SolutionSes]
```

```
* 73 69 6F 6E | 50 48 50 2F | 52 65 63 68 | 65 72 63 68 [sionPHP/Recherch]
* 65 41 75 74 | 65 75 72 73 | 2E 70 68 70 | 20 48 54 54 [eAuteurs.php HTTP]
* 50 2F 31 2E | 31 0D 0A 41 | 63 63 65 70 | 74 3A 20 69 [P/1.1..Accept: i]
* 6D 61 67 65 | 2F 67 69 66 | 2C 20 69 6D | 61 67 65 2F [image/gif, image/]
* 78 2D 78 62 | 69 74 6D 61 | 70 2C 20 69 | 6D 61 67 65 [x-xbitmap, image]
* 2F 6A 70 65 | 67 2C 20 69 | 6D 61 67 65 | 2F 70 6A 70 [/jpeg, image/pjp]
* 65 67 2C 20 | 61 70 70 6C | 69 63 61 74 | 69 6F 6E 2F [eg, application/]
* 78 2D 73 68 | 6F 63 6B 77 | 61 76 65 2D | 66 6C 61 73 [x-shockwave-flas]
* 68 2C 20 61 | 70 70 6C 69 | 63 61 74 69 | 6F 6E 2F 76 [h, application/v]
* 6E 64 2E 6D | 73 2D 65 78 | 63 65 6C 2C | 20 61 70 70 [nd.ms-excel, app]
* 6C 69 63 61 | 74 69 6F 6E | 2F 76 6E 64 | 2E 6D 73 2D [lication/vnd.ms-]
* 70 6F 77 65 | 72 70 6F 69 | 6E 74 2C 20 | 61 70 70 6C [powerpoint, appl]
* 69 63 61 74 | 69 6F 6E 2F | 6D 73 77 6F | 72 64 2C 20 [lication/msword, ]
* 2A 2F 2A 0D | 0A 52 65 66 | 65 72 65 72 | 3A 20 68 74 [/*...Referer: ht]
* 74 70 3A 2F | 2F 64 6F 72 | 6D 65 75 72 | 2F 72 75 62 [tp://dormeur/rub]
* 69 2F 54 44 | 35 2F 53 6F | 6C 75 74 69 | 6F 6E 53 65 [i/TD5/SolutionSe]
* 73 73 69 6F | 6E 50 48 50 | 2F 76 61 6C | 69 64 61 74 [ssionPHP/validat]
* 69 6F 6E 2E | 70 68 70 0D | 0A 41 63 63 | 65 70 74 2D [ion.php..Accept-]
* 4C 61 6E 67 | 75 61 67 65 | 3A 20 66 72 | 0D 0A 43 6F [Language: fr.Co]
* 6E 74 65 6E | 74 2D 54 79 | 70 65 3A 20 | 61 70 70 6C [intent-Type: appl]
* 69 63 61 74 | 69 6F 6E 2F | 78 2D 77 77 | 77 2D 66 6F [ication/x-www-fo]
* 72 6D 2D 75 | 72 6C 65 6E | 63 6F 64 65 | 64 0D 0A 41 [rm-urlencod...A]
* 63 63 65 70 | 74 2D 45 6E | 63 6F 64 69 | 6E 67 3A 20 [ccept-Encoding: ]
* 67 7A 69 70 | 2C 20 64 65 | 66 6C 61 74 | 65 0D 0A 55 [gzip, deflate..U]
* 73 65 72 2D | 41 67 65 6E | 74 3A 20 4D | 6F 7A 69 6C [ser-Agent: Mozil]
* 6C 61 2F 34 | 2E 30 20 28 | 63 6F 6D 70 | 61 74 69 62 [la/4.0 (compatib]
* 6C 65 3B 20 | 4D 53 49 45 | 20 36 2E 30 | 3B 20 57 69 [le: MSIE 6.0; Wi]
* 6E 64 6F 77 | 73 20 4E 54 | 20 35 2E 31 | 3B 20 53 56 [ndows NT 5.1; SV]
* 31 3B 20 2E | 4E 45 54 20 | 43 4C 52 20 | 31 2E 31 2E [l; .NET CLR 1.1.]
* 34 33 32 32 | 29 0D 0A 48 | 6F 73 74 3A | 20 64 6F 72 [4322)..Host: dor]
* 6D 65 75 72 | 0D 0A 43 6F | 6E 74 65 6E | 74 2D 4C 65 [meur..Content-Le]
* 6E 67 74 68 | 3A 20 31 32 | 0D 0A 43 6F | 6E 6E 65 63 [ngth: 12..Connec]
* 74 69 6F 6E | 3A 20 4B 65 | 65 70 2D 41 | 6C 69 76 65 [tion: Keep-Alive]
* 0D 0A 43 61 | 63 68 65 2D | 43 6F 6E 74 | 72 6F 6C 3A [...Cache-Control:]
* 20 6E 6F 2D | 63 61 63 68 | 65 0D 0A 43 | 6F 6F 6B 69 [ no-cache..Cooki]
* 65 3A 20 50 | 48 50 53 45 | 53 53 49 44 | 3D 36 30 38 [e: PHPSESSID=608]
* 63 62 31 63 | 61 63 39 65 | 63 61 37 65 | 33 32 64 33 [cblcac9eca7e32d3]
* 36 63 61 37 | 35 34 36 34 | 38 63 34 38 | 63 0D 0A 0D [6ca754648c48c...]
* 0A 69 6E 69 | 74 69 61 6C | 65 3D 74 6F | 75 [..initiale=tou]
```

#####

```
Item number 23, position in dumpfile 66%
----- TCP Header ----- - [34-53]
Source port = 80 (www-http (World Wide Web HTTP)) - [34-35]
Destination port = 1154 (Unassigned) - [36-37]
Sequence number = 2513773631 - [38-41]
Acknowledgement number = 33928145 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 018h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. .... = No urgent pointer - [46-47]
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 1... = Push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 16873 - [48-49]
Checksum = DE1Eh - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Server Reply ----- - [54-165]
[112 byte(s) of data]
HTTP/1.1 100 Continue - [54-74]
Server: Microsoft-IIS/5.0 - [77-101]
Date: Sat, 21 Jan 2006 09:30:31 GMT - [104-138]
X-Powered-By: ASP.NET - [141-161]
=====
* 00 08 74 E6 | 6B C1 00 0A | 5E 44 D6 56 | 08 00 45 00 [...t.k...^D.V...E.]
* 00 98 E5 47 | 40 00 80 06 | FF AE AC 10 | 5E 97 AC 10 [...G@.....^...]
* 5E B1 00 50 | 04 82 95 D5 | 24 3F 02 05 | B3 D1 50 18 [^..P....$?....P.]
* 41 E9 DE 1E | 00 00 48 54 | 54 50 2F 31 | 2E 31 20 31 [A.....HTTP/1.1 ]
* 30 30 20 43 | 6F 6E 74 69 | 6E 75 65 0D | 0A 53 65 72 [00 Continue..Ser]
```

```
* 76 65 72 3A | 20 4D 69 63 | 72 6F 73 6F | 66 74 2D 49 [ver: Microsoft-I]
* 49 53 2F 35 | 2E 30 0D 0A | 44 61 74 65 | 3A 20 53 61 [IS/5.0..Date: Sa]
* 74 2C 20 32 | 31 20 4A 61 | 6E 20 32 30 | 30 36 20 30 [t, 21 Jan 2006 0]
* 39 3A 33 30 | 3A 33 31 20 | 47 4D 54 0D | 0A 58 2D 50 [9:30:31 GMT..X-P]
* 6F 77 65 72 | 65 64 2D 42 | 79 3A 20 41 | 53 50 2E 4E [owered-By: ASP.N]
* 45 54 0D 0A | 0D 0A | | | [ET....]
```

#####

```
Item number 24, position in dumpfile 66%
----- TCP Header ----- - [34-53]
Source port = 1154 (Unassigned) - [34-35]
Destination port = 80 (www-http (World Wide Web HTTP)) - [36-37]
Sequence number = 33928145 - [38-41]
Acknowledgement number = 2513773743 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 010h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. .... = No urgent pointer - [46-47]
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 0... = No push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 64212 - [48-49]
Checksum = 1584h - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Client Request -----
[0 byte(s) of data]
=====
* 00 0A 5E 44 | D6 56 00 08 | 74 E6 6B C1 | 08 00 45 00 [...^D.V..t.k...E.]
* 00 28 03 D0 | 40 00 40 06 | 21 97 AC 10 | 5E B1 AC 10 [..(..@.!....^...]
* 5E 97 04 82 | 00 50 02 05 | B3 D1 95 D5 | 24 AF 50 10 [^.....P.....$P.]
* FA D4 15 84 | 00 00 | | | [.....]
```

#####

```
Item number 25, position in dumpfile 78%
----- TCP Header ----- - [34-53]
Source port = 80 (www-http (World Wide Web HTTP)) - [34-35]
Destination port = 1154 (Unassigned) - [36-37]
Sequence number = 2513773743 - [38-41]
Acknowledgement number = 33928145 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 018h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. .... = No urgent pointer - [46-47]
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 1... = Push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 16873 - [48-49]
Checksum = F644h - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Server Reply ----- - [54-1223]
[1170 byte(s) of data]
HTTP/1.1 200 OK - [54-68]
Server: Microsoft-IIS/5.0 - [71-95]
Date: Sat, 21 Jan 2006 09:30:31 GMT - [98-132]
X-Powered-By: ASP.NET - [135-155]
Connection: close - [158-174]
Content-type: text/html - [177-199]
X-Powered-By: PHP/5.0.4 - [202-224]
Set-Cookie: PHPSESSID=608cblcac9eca7e32d36ca754648c48c; path=/ - [227-288]
Expires: Thu, 19 Nov 1981 08:52:00 GMT - [291-328]
Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0 - [331-407]
Pragma: no-cache - [410-425]
- [430-431]
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" - [434-490]
Binary Data: 731 - [493-1223]
=====
* 00 08 74 E6 | 6B C1 00 0A | 5E 44 D6 56 | 08 00 45 00 | [.t.k...^D.V..E.]
* 04 BA E5 48 | 40 00 80 06 | FB 8B AC 10 | 5E 97 AC 10 | [...H@.....^...]
* 5E B1 00 50 | 04 82 95 D5 | 24 AF 02 05 | B3 D1 50 18 | [^..P....$....P.]
* 41 E9 F6 44 | 00 00 48 54 | 54 50 2F 31 | 2E 31 20 32 | [A..D..HTTP/1.1 2]
* 30 30 20 4F | 4B 0D 0A 53 | 65 72 76 65 | 72 3A 20 4D | [00 OK..Server: M]
* 69 63 72 6F | 73 6F 66 74 | 2D 49 49 53 | 2F 35 2E 30 | [icrosoft-IIS/5.0]
* 0D 0A 44 61 | 74 65 3A 20 | 53 61 74 2C | 20 32 31 20 | [..Date: Sat, 21 ]
* 4A 61 6E 20 | 32 30 30 36 | 20 30 39 3A | 33 30 3A 33 | [Jan 2006 09:30:3]
* 31 20 47 4D | 54 0D 0A 58 | 2D 50 6F 77 | 65 72 65 64 | [1 GMT..X-Powered]
* 2D 42 79 3A | 20 41 53 50 | 2E 4E 45 54 | 0D 0A 43 6F | [-By: ASP.NET..Co]
* 6E 6E 65 63 | 74 69 6F 6E | 3A 20 63 6C | 6F 73 65 0D | [nnection: close.]
* 0A 43 6F 6E | 74 65 6E 74 | 2D 74 79 70 | 65 3A 20 74 | [.Content-type: t]
* 65 78 74 2F | 68 74 6D 6C | 0D 0A 58 2D | 50 6F 77 65 | [ext/html..X-Powe]
* 72 65 64 2D | 42 79 3A 20 | 50 48 50 2F | 35 2E 30 2E | [red-By: PHP/5.0.]
* 34 0D 0A 53 | 65 74 2D 43 | 6F 6F 6B 69 | 65 3A 20 50 | [4..Set-Cookie: P]
* 48 50 53 45 | 53 53 49 44 | 3D 36 30 38 | 63 62 31 63 | [HPSESSID=608cblc]
* 61 63 39 65 | 63 61 37 65 | 33 32 64 33 | 36 63 61 37 | [ac9eca7e32d36ca7]
* 35 34 36 34 | 38 63 34 38 | 63 3B 20 70 | 61 74 68 3D | [54648c48c: path=]
* 2F 0D 0A 45 | 78 70 69 72 | 65 73 3A 20 | 54 68 75 2C | [/.Expires: Thu,]
* 20 31 39 20 | 4E 6F 76 20 | 31 39 38 31 | 20 30 38 3A | [ 19 Nov 1981 08:]
* 35 32 3A 30 | 30 20 47 4D | 54 0D 0A 43 | 61 63 68 65 | [52:00 GMT..Cache]
* 2D 43 6F 6E | 74 72 6F 6C | 3A 20 6E 6F | 2D 73 74 6F | [-Control: no-sto]
* 72 65 2C 20 | 6E 6F 2D 63 | 61 63 68 65 | 2C 20 6D 75 | [re, no-cache, mu]
* 73 74 2D 72 | 65 76 61 6C | 69 64 61 74 | 65 2C 20 70 | [st-revalidate, p]
* 6F 73 74 2D | 63 68 65 63 | 6B 3D 30 2C | 20 70 72 65 | [ost-check=0, pre]
* 2D 63 68 65 | 63 6B 3D 30 | 0D 0A 50 72 | 61 67 6D 61 | [-check=0..Pragma]
* 3A 20 6E 6F | 2D 63 61 63 | 68 65 0D 0A | 0D 0A 20 20 | [: no-cache.... ]
* 0D 0A 3C 21 | 44 4F 43 54 | 59 50 45 20 | 68 74 6D 6C | [...!DOCTYPE html]
* 20 50 55 42 | 4C 49 43 20 | 22 2D 2F 2F | 57 33 43 2F | [ PUBLIC "-//W3C/]
* 2F 44 54 44 | 20 58 48 54 | 4D 4C 20 31 | 2E 30 20 53 | [/DTD XHTML 1.0 S]
* 74 72 69 63 | 74 2F 2F 45 | 4E 22 20 0D | 0A 09 22 68 | [trict//EN" ...h]
* 74 74 70 3A | 2F 2F 77 77 | 77 2E 77 33 | 2E 6F 72 67 | [ttp://www.w3.org]
* 2F 54 52 2F | 78 68 74 6D | 6C 31 2F 44 | 54 44 2F 78 | [/TR/xhtml1/DTD/x]
* 68 74 6D 6C | 31 2D 73 74 | 72 69 63 74 | 2E 64 74 64 | [html1-strict.dtd]
* 22 3E 0D 0A | 3C 68 74 6D | 6C 20 78 6D | 6C 6E 73 3D | [ ">..<html xmlns=]
* 22 68 74 74 | 70 3A 2F 2F | 77 77 77 2E | 77 33 2E 6F | ["http://www.w3.o]
* 72 67 2F 31 | 39 39 39 2F | 78 68 74 6D | 6C 22 20 6C | [rg/1999/xhtml" l]
* 61 6E 67 3D | 22 66 72 2D | 66 72 22 3E | 0D 0A 3C 68 | [ang="fr-fr">..ch]
* 65 61 64 3E | 0D 0A 3C 6D | 65 74 61 20 | 63 6F 6E 74 | [ead>..<meta cont]
* 65 6E 74 3D | 22 74 65 78 | 74 2F 68 74 | 6D 6C 3B 20 | [ent="text/html; ]
* 63 68 61 72 | 73 65 74 3D | 55 54 46 2D | 38 22 20 68 | [charset=UTF-8" h]
* 74 74 70 2D | 65 71 75 69 | 76 3D 22 63 | 6F 6E 74 65 | [ttp-equiv="conte]
* 6E 74 2D 74 | 79 70 65 22 | 20 2F 3E 0D | 0A 3C 74 69 | [nt-type" />..<ti]
* 74 6C 65 3E | 52 65 63 68 | 65 72 63 68 | 65 20 61 75 | [tle>Recherche au]
* 74 65 75 72 | 73 3C 2F 74 | 69 74 6C 65 | 3E 0D 0A 3C | [teurs</title>..<]
* 6D 65 74 61 | 20 63 6F 6E | 74 65 6E 74 | 3D 22 52 65 | [meta content="Re]
* 63 68 65 72 | 63 68 65 20 | 41 75 74 65 | 75 72 73 22 | [cherche Auteurs"]
* 20 6E 61 6D | 65 3D 22 64 | 65 73 63 72 | 69 70 74 69 | [ name="descripti]
* 6F 6E 22 20 | 2F 3E 0D 0A | 3C 21 2D 2D | 20 43 72 65 | [on" />..<!-- Cre]
* 65 20 70 61 | 72 3A 20 46 | 2E 52 2E 20 | 6C 65 20 31 | [e par: F.R. le 1]
* 35 20 4A 61 | 6E 76 69 65 | 72 20 32 30 | 30 34 20 2D | [5 Janvier 2004 -]
* 2D 3E 0D 0A | 3C 6C 69 6E | 6B 20 72 65 | 6C 3D 22 73 | [->..<link rel="s]
* 74 79 6C 65 | 73 68 65 65 | 74 22 20 74 | 79 70 65 3D | [ylesheet" type=]
* 22 74 65 78 | 74 2F 63 73 | 73 22 20 68 | 72 65 66 3D | ["text/css" href=]
* 22 6D 6F 6E | 73 74 79 6C | 65 2E 63 73 | 73 22 2F 3E | ["monstyle.css"/>]
* 0D 0A 09 3C | 2F 68 65 61 | 64 3E 0D 0A | 3C 62 6F 64 | [...</head>..<bod]
* 79 3E 0D 0A | 3C 68 31 3E | 20 42 69 62 | 6C 69 6F 74 | [y>..<h1> Bibliot]
* 68 26 65 67 | 72 61 76 65 | 3B 71 75 65 | 20 3C 2F 68 | [h&egrave;que </h]
* 31 3E 0D 0A | 3C 70 3E 42 | 6F 6E 6A 6F | 75 72 20 61 | [l>..<p>Bonjour a]
* 3C 2F 70 3E | 3C 68 31 3E | 4C 69 73 74 | 65 20 64 65 | [</p><h1>Liste de]
* 73 20 61 75 | 74 65 75 72 | 73 20 64 6F | 6E 74 20 6C | [s auteurs dont l]
* 27 69 6E 69 | 74 69 61 6C | 65 20 65 73 | 74 20 3A 20 | ['initiale est : ]
* 22 74 6F 75 | 20 22 3C 2F | 68 31 3E 3C | 70 3E 20 4E | ["tou "</h1><p> N]
* 6F 6D 20 3A | 20 54 6F 75 | 72 61 69 6E | 65 3C 2F 70 | [om : Touraine</p]
* 3E 3C 70 3E | 20 4E 6F 6D | 20 3A 20 54 | 6F 75 73 73 | [><p> Nom : Touss]
* 61 69 6E 74 | 2D 53 61 6D | 61 74 3C 2F | 70 3E 3C 68 | [aint-Samat</p><h]
* 34 3E 3C 61 | 20 68 72 65 | 66 3D 22 53 | 65 6C 65 63 | [4><a href="Selec]
* 74 41 75 74 | 65 75 72 2E | 70 68 70 22 | 3E 52 65 74 | [tAuteur.php">Ret]
* 6F 75 72 3C | 2F 61 3E 26 | 6E 62 73 70 | 3B 3C 61 20 | [our</a>&nbsp;<a ]
* 68 72 65 66 | 3D 22 2F 72 | 75 62 69 2F | 54 44 35 2F | [href="/rubi/TD5/]
* 53 6F 6C 75 | 74 69 6F 6E | 53 65 73 73 | 69 6F 6E 50 | [SolutionSessionP]
* 48 50 2F 44 | 65 63 6F 6E | 6E 65 78 69 | 6F 6E 2E 70 | [HP/Deconnexion.p]
```

```
* 68 70 22 3E | 44 65 63 6F | 6E 6E 65 78 | 69 6F 6E 3C | [hp">Deconnexion<]
* 2F 61 3E 3C | 2F 68 34 3E | 3C 2F 42 4F | 44 59 3E 0D | [/a></h4></BODY>..]
* 0A 0D 0A 3C | 2F 48 54 4D | 4C 3E 0D 0A | 0D 0A 0D 0A | [...</HTML>.....]
* 0D 0A 0D 0A | 0D 0A 0D 0A | 0D 0A 0D 0A | 0D 0A 0D 0A | [.....]
* 0D 0A 0D 0A | 0D 0A 0D 0A | | | [.....]
```

#####

```
Item number 26, position in dumpfile 79%
----- TCP Header ----- - [34-53]
Source port = 80 (www-http (World Wide Web HTTP)) - [34-35]
Destination port = 1154 (Unassigned) - [36-37]
Sequence number = 2513774913 - [38-41]
Acknowledgement number = 33928145 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 011h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 0000. .... = No urgent pointer - [46-47]
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 0... = No push - {46-47}
0000 00.. 0.. = No reset - {46-47}
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ...1 = FIN - {46-47}
Window = 16873 - [48-49]
Checksum = DEC1h - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Server Reply ----- - [54-59]
[6 byte(s) of data]
=====
* 00 08 74 E6 | 6B C1 00 0A | 5E 44 D6 56 | 08 00 45 00 | [.t.k...^D.V..E.]
* 00 28 E5 49 | 40 00 80 06 | 00 1D AC 10 | 5E 97 AC 10 | [.(.I@.....^...]
* 5E B1 00 50 | 04 82 95 D5 | 29 41 02 05 | B3 D1 50 11 | [^..P....)A....P.]
* 41 E9 DE C1 | 00 00 00 00 | 00 00 00 00 | | [A.....]
```

#####

```
Item number 27, position in dumpfile 80%
----- HTTP Client Request -----
[0 byte(s) of data]
=====
* 00 0A 5E 44 | D6 56 00 08 | 74 E6 6B C1 | 08 00 45 00 | [...^D.V..t.k...E.]
* 00 28 03 D1 | 40 00 40 06 | 21 96 AC 10 | 5E B1 AC 10 | [.(.@.@.!...^...]
* 5E 97 04 82 | 00 50 02 05 | B3 D1 95 D5 | 29 42 50 10 | [^....P.....)BP.]
* F9 AF 15 84 | 00 00 | | | [.....]
```

#####

```
Item number 28, position in dumpfile 81%
----- TCP Header ----- - [34-53]
Source port = 1154 (Unassigned) - [34-35]
Destination port = 80 (www-http (World Wide Web HTTP)) - [36-37]
Sequence number = 33928145 - [38-41]
Acknowledgement number = 2513774914 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 011h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 0000. .... = No urgent pointer - [46-47]
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 0... = No push - {46-47}
0000 00.. 0.. = No reset - {46-47}
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ...1 = FIN - {46-47}
Window = 63919 - [48-49]
Checksum = 1584h - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Client Request -----
[0 byte(s) of data]
```

```
=====
* 00 0A 5E 44 | D6 56 00 08 | 74 E6 6B C1 | 08 00 45 00 [...^D.V..t.k...E.]
* 00 28 03 D2 | 40 00 40 06 | 21 95 AC 10 | 5E B1 AC 10 [...@.@!...^...]
* 5E 97 04 82 | 00 50 02 05 | B3 D1 95 D5 | 29 42 50 11 [^....P.....)BP.]
* F9 AF 15 84 | 00 00          |              |          [.....]
```

#####

```
Item number 29, position in dumpfile 81%
----- TCP Header ----- - [34-53]
Source port = 80 (www-http (World Wide Web HTTP)) - [34-35]
Destination port = 1154 (Unassigned) - [36-37]
Sequence number = 2513774914 - [38-41]
Acknowledgement number = 33928146 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 010h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. .... = No urgent pointer - [46-47]
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 0... = No push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 16873 - [48-49]
Checksum = DEC0h - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Server Reply ----- - [54-59]
[6 byte(s) of data]
```

```
=====
* 00 08 74 E6 | 6B C1 00 0A | 5E 44 D6 56 | 08 00 45 00 [...t.k...^D.V..E.]
* 00 28 E5 4A | 40 00 80 06 | 00 1C AC 10 | 5E 97 AC 10 [...J@.....^...]
* 5E B1 00 50 | 04 82 95 D5 | 29 42 02 05 | B3 D2 50 10 [...P....)B....P.]
* 41 E9 DE C0 | 00 00 00 00 | 00 00 00 00 |          [A.....]
```

#####

```
Item number 30, position in dumpfile 82%
----- TCP Header ----- - [34-65]
Source port = 1157 (Unassigned) - [34-35]
Destination port = 80 (www-http (World Wide Web HTTP)) - [36-37]
Sequence number = 2188035898 - [38-41]
Acknowledgement number = 0 - [42-45]
Header length = 32 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 002h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. .... = No urgent pointer - [46-47]
0000 00.0 .... = No acknowledgement - {46-47}
0000 00.. 0... = No push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..1. = SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 65535 - [48-49]
Checksum = 0B33h - [50-51]
Urgent pointer = 0 - [52-53]
Options = 12 bytes - [54-65]
Code = 2 (MSS)
Required MSS: 1460
Other Options
----- HTTP Client Request -----
[0 byte(s) of data]
```

```
=====
* 00 0A 5E 44 | D6 56 00 08 | 74 E6 6B C1 | 08 00 45 00 [...^D.V..t.k...E.]
* 00 34 03 D7 | 40 00 40 06 | 21 84 AC 10 | 5E B1 AC 10 [...@.@!...^...]
* 5E 97 04 85 | 00 50 82 6A | C7 3A 00 00 | 00 00 80 02 [^....P.j.;...#]
* FF FF 0B 33 | 00 00 02 04 | 05 B4 01 03 | 03 02 01 01 [...3.....]
* 04 02          |              |              |          [..]
```

#####

```
Item number 31, position in dumpfile 83%
----- TCP Header ----- - [34-65]
Source port = 80 (www-http (World Wide Web HTTP)) - [34-35]
Destination port = 1157 (Unassigned) - [36-37]
Sequence number = 2750030632 - [38-41]
Acknowledgement number = 2188035899 - [42-45]
Header length = 32 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 012h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. .... = No urgent pointer - [46-47]
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 0... = No push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..1. = SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 17520 - [48-49]
Checksum = FFA0h - [50-51]
Urgent pointer = 0 - [52-53]
Options = 12 bytes - [54-65]
Code = 2 (MSS)
Required MSS: 1460
Other Options
=====
* 00 08 74 E6 | 6B C1 00 0A | 5E 44 D6 56 | 08 00 45 00 [...t.k...^D.V..E.]
* 00 34 E5 B0 | 40 00 80 06 | FF A9 AC 10 | 5E 97 AC 10 [...@.....^...]
* 5E B1 00 50 | 04 85 A3 EA | 23 28 82 6A | C7 3B 80 12 [^..P....#(.j.;...
* 44 70 FF A0 | 00 00 02 04 | 05 B4 01 03 | 03 00 01 01 [Dp.....]
* 04 02          |              |              |          [..]
```

#####

```
Item number 32, position in dumpfile 84%
----- TCP Header ----- - [34-53]
Source port = 1157 (Unassigned) - [34-35]
Destination port = 80 (www-http (World Wide Web HTTP)) - [36-37]
Sequence number = 2188035899 - [38-41]
Acknowledgement number = 2750030633 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 010h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. .... = No urgent pointer - [46-47]
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 0... = No push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. ..0. = No SYN - {46-47}
0000 00.. ...0 = No FIN - {46-47}
Window = 64240 - [48-49]
Checksum = 1584h - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Client Request -----
[0 byte(s) of data]
```

```
=====
* 00 0A 5E 44 | D6 56 00 08 | 74 E6 6B C1 | 08 00 45 00 [...^D.V..t.k...E.]
* 00 28 03 D9 | 40 00 40 06 | 21 8E AC 10 | 5E B1 AC 10 [...@.@!...^...]
* 5E 97 04 85 | 00 50 82 6A | C7 3B A3 EA | 23 29 50 10 [^....P.j.;...#)P.]
* FA F0 15 84 | 00 00          |              |          [.....]
```

#####

```
Item number 33, position in dumpfile 90%
----- TCP Header ----- - [34-53]
Source port = 1157 (Unassigned) - [34-35]
Destination port = 80 (www-http (World Wide Web HTTP)) - [36-37]
Sequence number = 2188035899 - [38-41]
Acknowledgement number = 2750030633 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 018h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. .... = No urgent pointer - [46-47]
```

```
Item number 34, position in dumpfile 94%
----- TCP Header ----- [34-53]
Source port = 80 (www-http (World Wide Web HTTP)) - [34-35]
Destination port = 1157 (Unassigned) - [36-37]
Sequence number = 2750030633 - [38-41]
Acknowledgement number = 2188036440 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 018h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000.. .... = No urgent pointer - {46-47}
```

```

Item number 35, position in dumpfile 97%
----- TCP Header ----- - [34-53]
Source port = 80 (www-http (World Wide Web HTTP)) - [34-35]
Destination port = 1157 (Unassigned) - [36-37]
Sequence number = 2750031009 - [38-41]
Acknowledgement number = 2188036440 - [42-45]
Header length = 20 bytes - {46-46}
6 Reserved bits & 6 bits Flags = 019h - {46-47}
0000 00.. .... = 6 Reserved bits, for future usage, which have to be 0 - {46-47}
0000 000. .... = No urgent pointer - {46-47}
0000 00.1 .... = Acknowledgement - {46-47}
0000 00.. 1... = Push - {46-47}
0000 00.. .0.. = No reset - {46-47}
0000 00.. .0. = No SYN - {46-47}
0000 00.. ..1 = FIN - {46-47}
Window = 16979 - [48-49]
Checksum = 10A8h - [50-51]
Urgent pointer = 0 - [52-53]
No TCP options
----- HTTP Server Reply ----- - [54-351]

```

[298 byte(s) of data]

* 00 08 74 E6	6B C1 00 0A	5E 44 D6 56	08 00 45 00	[.t.k...^D.V..E.]
* 01 52 E5 B2	40 00 80 06	FE 89 AC 10	5E 97 AC 10	[.R..@.....^...]
* 5E B1 00 50	04 85 A3 EA	24 A1 82 6A	C9 58 50 19	[^..P....\$.j.XP.]
* 42 53 10 A8	00 00 20 20	0D 0A 0D 0A	3C 68 74 6D	[BS....<...<htm]
* 6C 3E 0D 0A	3C 68 65 61	64 3E 0D 0A	3C 4C 49 4E	[l>..<head>..<LIN]
* 4B 20 72 65	6C 3D 73 74	79 6C 65 73	68 65 65 74	[K rel=stylesheet]
* 20 74 79 70	65 3D 22 74	65 78 74 2F	63 73 73 22	[type="text/css"]
* 20 68 72 65	66 3D 22 6D	6F 6E 73 74	79 6C 65 2E	[href="monstyle"]
* 63 73 73 22	3E 0D 0A 0D	0A 3C 74 69	74 6C 65 3E	[css">...<title>]
* 42 69 62 6C	69 6F 74 68	E8 71 75 65	3C 2F 74 69	[Biblioth.que</ti
* 74 6C 65 3E	0D 0A 3C 2F	68 65 61 64	3E 0D 0A 3C	[tle>..</head>..<
* 62 6F 64 79	3E 0D 0A 3C	50 3E 20 42	6F 6E 6A 6F	[body>..<P> Bonjo]
* 75 72 20 0D	0A 61 3C 62	72 3E 0D 0A	0D 0A 0D 0A	[ur ..a]
* 3C 68 31 3E	42 69 62 6C	69 6F 74 68	E8 71 75 65	[<hl>Biblioth.que
* 3C 2F 68 31	3E 0D 0A 0D	0A 0D 0A 20	4D 65 72 63	[</hl>..... Merc]
* 69 20 64 65	20 76 6F 74	72 65 20 76	69 73 69 74	[i de votre visit]
* 65 20 0D 0A	3C 48 34 3E	3C 41 20 68	72 65 66 3D	[e ..<H4><A href=
* 22 68 74 74	70 3A 2F 2F	77 77 77 2E	69 6E 66 6F	["http://www.info
* 2E 69 75 74	2E 75 2D 62	6F 72 64 65	61 75 78 31	[.iut.u-bordeauxl
* 2E 66 72 22	3E 51 75 69	74 74 65 72	3C 2F 41 3E	[.fr">Quitter]
* 3C 2F 48 34	3E 20 3C 62	72 3E 0D 0A	3C 2F 62 6F	[</H4> ..</bo
* 64 79 3E 0D	0A 3C 2F 68	74 6D 6C 3E	0D 0A 0D 0A	[dy>...</html>....]

#####

Item number 36, position in dumpfile 98%

----- TCP Header ----- - [34-53]

Source port = 1157 (Unassigned) - [34-35]

Destination port = 80 (www-http (World Wide Web HTTP)) - [36-37]

Sequence number = 2188036440 - [38-41]

Acknowledgement number = 2750031308 - [42-45]

Header length = 20 bytes - {46-46}

6 Reserved bits & 6 bits Flags = 010h - {46-47}

0000 00.. = 6 Reserved bits, for future usage, which have to be 0 - {46-47}

0000 000. = No urgent pointer - {46-47}

0000 00.1 = Acknowledgement - {46-47}

0000 00.. 0... = No push - {46-47}

0000 00.. .0... = No reset - {46-47}

0000 00.. ..0. = No SYN - {46-47}

0000 00.. ...0 = No FIN - {46-47}

Window = 64071 - [48-49]

Checksum = 1584h - [50-51]

Urgent pointer = 0 - [52-53]

No TCP options

----- HTTP Client Request -----

[0 byte(s) of data]

* 00 0A 5E 44	D6 56 00 08	74 E6 6B C1	08 00 45 00	[..^D.V..t.k...E.]
* 00 28 03 DC	40 00 40 06	21 8B AC 10	5E B1 AC 10	[.(..@.@.!...^...]
* 5E 97 04 85	00 50 82 6A	C9 58 A3 EA	25 CC 50 10	[^....P.j.X..%.P.]
* FA 47 15 84	00 00			[.G....]

#####

Item number 37, position in dumpfile 99%

----- TCP Header ----- - [34-53]

Source port = 1157 (Unassigned) - [34-35]

Destination port = 80 (www-http (World Wide Web HTTP)) - [36-37]

Sequence number = 2188036440 - [38-41]

Acknowledgement number = 2750031308 - [42-45]

Header length = 20 bytes - {46-46}

6 Reserved bits & 6 bits Flags = 011h - {46-47}

0000 00.. = 6 Reserved bits, for future usage, which have to be 0 - {46-47}

0000 000. = No urgent pointer - {46-47}

0000 00.1 = Acknowledgement - {46-47}

0000 00.. 0... = No push - {46-47}

0000 00.. .0... = No reset - {46-47}

0000 00.. ..0. = No SYN - {46-47}

0000 00.. ...1 = FIN - {46-47}

Window = 64071 - [48-49]

Checksum = 1584h - [50-51]

Urgent pointer = 0 - [52-53]

No TCP options

----- HTTP Client Request -----

[0 byte(s) of data]

* 00 0A 5E 44	D6 56 00 08	74 E6 6B C1	08 00 45 00	[..^D.V..t.k...E.]
* 00 28 03 DD	40 00 40 06	21 8A AC 10	5E B1 AC 10	[.(..@.@.!...^...]
* 5E 97 04 85	00 50 82 6A	C9 58 A3 EA	25 CC 50 11	[^....P.j.X..%.P.]
* FA 47 15 84	00 00			[.G....]

#####

Item number 38, position in dumpfile 100%

----- TCP Header ----- - [34-53]

Source port = 80 (www-http (World Wide Web HTTP)) - [34-35]

Destination port = 1157 (Unassigned) - [36-37]

Sequence number = 2750031308 - [38-41]

Acknowledgement number = 2188036441 - [42-45]

Header length = 20 bytes - {46-46}

6 Reserved bits & 6 bits Flags = 010h - {46-47}

0000 00.. = 6 Reserved bits, for future usage, which have to be 0 - {46-47}

0000 000. = No urgent pointer - {46-47}

0000 00.1 = Acknowledgement - {46-47}

0000 00.. 0... = No push - {46-47}

0000 00.. .0... = No reset - {46-47}

0000 00.. ..0. = No SYN - {46-47}

0000 00.. ...0 = No FIN - {46-47}

Window = 16979 - [48-49]

Checksum = 3DC8h - [50-51]

Urgent pointer = 0 - [52-53]

No TCP options

----- HTTP Server Reply ----- - [54-59]

[6 byte(s) of data]

* 00 08 74 E6	6B C1 00 0A	5E 44 D6 56	08 00 45 00	[.t.k...^D.V..E.]
* 00 28 E5 B3	40 00 80 06	FF B2 AC 10	5E 97 AC 10	[.(..@.....^...]
* 5E B1 00 50	04 85 A3 EA	25 CC 82 6A	C9 59 50 10	[^..P....%.j.YP.]
* 42 53 3D C8	00 00 00 00	00 00 00 00		[BS=.....]

#####