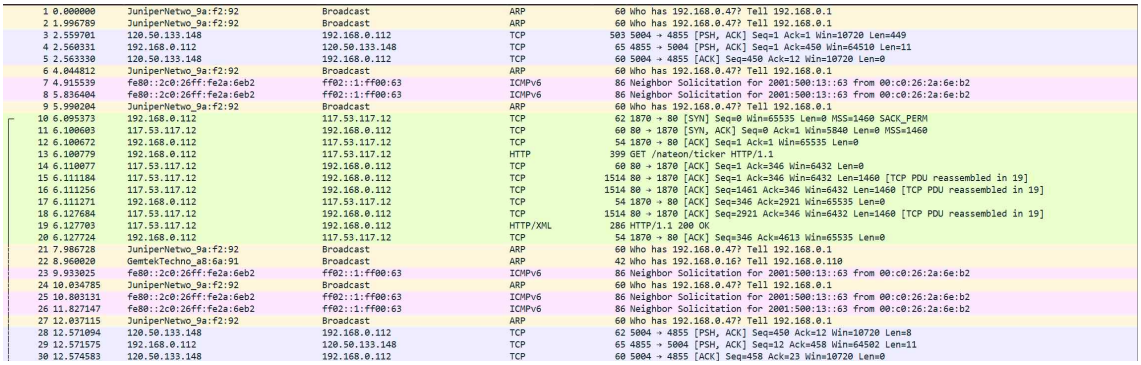


1	0.000000	JuniperNetwo_9a:f2:92	Broadcast	ARP	60 Who has 192.168.0.47? Tell 192.168.0.1
2	1.996789	JuniperNetwo_9a:f2:92	Broadcast	ARP	60 Who has 192.168.0.47? Tell 192.168.0.1
3	2.559701	120.50.133.148	192.168.0.112	TCP	503 5004 → 4855 [PSH, ACK] Seq=1 Ack=1 Win=10720 Len=449
4	2.560331	192.168.0.112	120.50.133.148	TCP	65 4855 → 5004 [PSH, ACK] Seq=1 Ack=450 Win=64510 Len=11
5	2.563330	120.50.133.148	192.168.0.112	TCP	60 5004 → 4855 [ACK] Seq=450 Ack=12 Win=10720 Len=0
6	4.044812	JuniperNetwo_9a:f2:92	Broadcast	ARP	60 Who has 192.168.0.47? Tell 192.168.0.1
7	4.915539	fe80::2c0:26ff:fe2a:6eb2	ff02::1:ff00:63	ICMPv6	86 Neighbor Solicitation for 2001:500:13::63 from 00:c0:26:2a:6e:b2
8	5.836404	fe80::2c0:26ff:fe2a:6eb2	ff02::1:ff00:63	ICMPv6	86 Neighbor Solicitation for 2001:500:13::63 from 00:c0:26:2a:6e:b2
9	5.990204	JuniperNetwo_9a:f2:92	Broadcast	ARP	60 Who has 192.168.0.47? Tell 192.168.0.1
10	6.095373	192.168.0.112	117.53.117.12	TCP	62 1870 → 80 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 SACK_PERM
11	6.100603	117.53.117.12	192.168.0.112	TCP	60 80 → 1870 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460
12	6.100672	192.168.0.112	117.53.117.12	TCP	54 1870 → 80 [ACK] Seq=1 Ack=1 Win=65535 Len=0
13	6.100779	192.168.0.112	117.53.117.12	HTTP	399 GET /nateon/ticker HTTP/1.1
14	6.110077	117.53.117.12	192.168.0.112	TCP	60 80 → 1870 [ACK] Seq=1 Ack=346 Win=6432 Len=0
15	6.111184	117.53.117.12	192.168.0.112	TCP	1514 80 → 1870 [ACK] Seq=1 Ack=346 Win=6432 Len=1460 [TCP PDU reassembled in 19]
16	6.111256	117.53.117.12	192.168.0.112	TCP	1514 80 → 1870 [ACK] Seq=1461 Ack=346 Win=6432 Len=1460 [TCP PDU reassembled in 19]
17	6.111271	192.168.0.112	117.53.117.12	TCP	54 1870 → 80 [ACK] Seq=346 Ack=2921 Win=65535 Len=0
18	6.127684	117.53.117.12	192.168.0.112	TCP	1514 80 → 1870 [ACK] Seq=2921 Ack=346 Win=6432 Len=1460 [TCP PDU reassembled in 19]
19	6.127703	117.53.117.12	192.168.0.112	HTTP/XML	286 HTTP/1.1 200 OK
20	6.127724	192.168.0.112	117.53.117.12	TCP	54 1870 → 80 [ACK] Seq=346 Ack=4613 Win=65535 Len=0
21	7.986728	JuniperNetwo_9a:f2:92	Broadcast	ARP	60 Who has 192.168.0.47? Tell 192.168.0.1
22	8.960020	GemtekTechno_a8:6a:91	Broadcast	ARP	42 Who has 192.168.0.16? Tell 192.168.0.110
23	9.933025	fe80::2c0:26ff:fe2a:6eb2	ff02::1:ff00:63	ICMPv6	86 Neighbor Solicitation for 2001:500:13::63 from 00:c0:26:2a:6e:b2
24	10.034785	JuniperNetwo_9a:f2:92	Broadcast	ARP	60 Who has 192.168.0.47? Tell 192.168.0.1
25	10.803131	fe80::2c0:26ff:fe2a:6eb2	ff02::1:ff00:63	ICMPv6	86 Neighbor Solicitation for 2001:500:13::63 from 00:c0:26:2a:6e:b2
26	11.827147	fe80::2c0:26ff:fe2a:6eb2	ff02::1:ff00:63	ICMPv6	86 Neighbor Solicitation for 2001:500:13::63 from 00:c0:26:2a:6e:b2
27	12.037115	JuniperNetwo_9a:f2:92	Broadcast	ARP	60 Who has 192.168.0.47? Tell 192.168.0.1
28	12.571094	120.50.133.148	192.168.0.112	TCP	62 5004 → 4855 [PSH, ACK] Seq=450 Ack=12 Win=10720 Len=8
29	12.571575	192.168.0.112	120.50.133.148	TCP	65 4855 → 5004 [PSH, ACK] Seq=12 Ack=458 Win=64502 Len=11
30	12.574583	120.50.133.148	192.168.0.112	TCP	60 5004 → 4855 [ACK] Seq=458 Ack=23 Win=10720 Len=0

ARP 요청
패킷 1, 2, 6, 9, 21, 22, 24, 27
MAC 주소 : 00:14:f6:9a:f2:92 IP : 192.168.0.1에서 지속적으로
192.168.0.47의 IP주소값을 가진 MAC주소를 찾고 있는 ARP메시지를 보내고 있음

패킷 3,4
출발지 IP : 120.50.133.148
목적지 IP : 192.168.0.112
TCP 연결이 시작 되었고 449바이트의 데이터가 전송하였고 PSH 플래그를 사용해 데이터를 즉시 처리하도록 지시

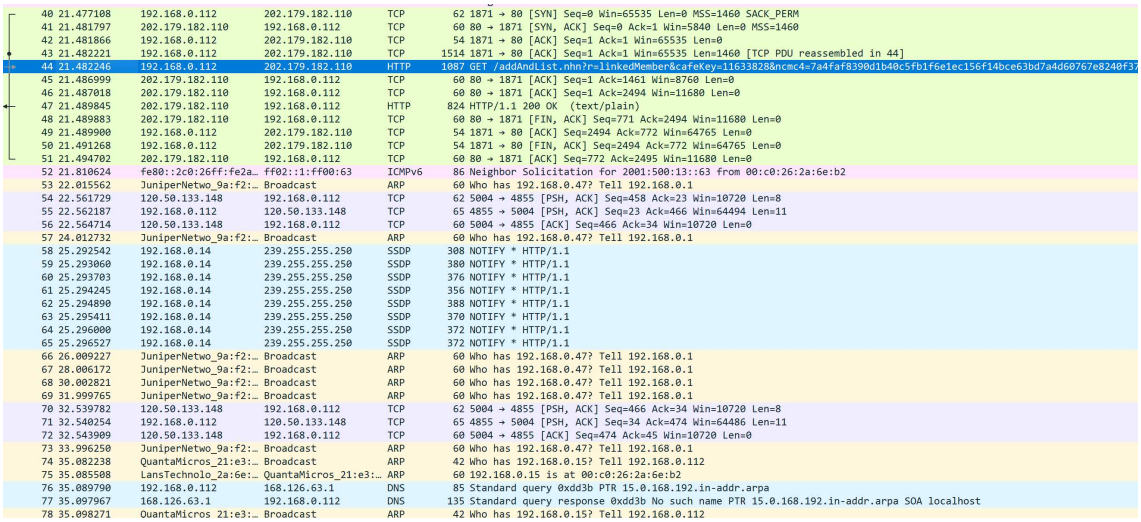
패킷 7,8
2001:500:13::63라는 IPv6주소에 대한 MAC 주소를 찾기 위해 fe80::2c0:26ff:fe2a:6eb2 장치가 Neighbor Solicitation을 보내는 상황

패킷 10 ~ 20
10 : SYN 플래그를 가진 패킷이 117.53.117.12에서 192.168.0.112로 전송.
11 : 192.168.0.112에서 117.53.117.12로 SYN-ACK 응답
12 : 117.53.117.12에서 다시 ACK 패킷을 보냄
13 : 클라이언트(192.168.0.112)가 서버(117.53.117.12)로 /nateon/ticker에 대한 데이터를 요청하는 패킷 TCP Segmet Len = 345 쿠기값 존재 get 요청
뉴스 메인 페이지 요청

14 : 117.53.117.12에서 192.168.0.112으로 get 요청에 대한 응답
15 ~ `8 : TCP PDU = (Protocol Data Unit) 패킷이 19에서 재조합되었다는뜻
17 : 16번 패킷에 대한 응답 15~16을 제대로 받았는지 응답하는 것 같음
19 : 13번 패킷에 대한 응답 200코드로 요청이 성공
http://newstkr.nate.com/nateon/ticker
20 : 서버에게 데이터를 잘 받았다고 응답
21 : 1,2번 패킷과 같음
22: 00:1a:73::a8:6a:91에서 192.168.0.16의 ip를 찾고 있다. 출발지 ip = 192.168.0.110

28 : 120.50.133.148 (5004)에서 192.168.0.112 (4855)로 즉시 데이터 처리 요청
27번에 대한응답이 맞는지 질문

38 : 192.168.0.112(1870)에서 1174.53.117.12(80)의 응답 TCP연결을 리셋하는 RST 플래그와 ACK 응답이 설정된 패킷 TCP 연결을 종료 하거나 초기화 하려는 시도로 보임 윈도우 크기가 0인 것으로 보아 수신자가 더 이상 데이터를 받을 수 없다는 상태 인 것 같음
10번에서 연결된 연결 종료



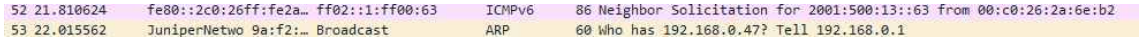
40	21.477108	192.168.0.112	202.179.182.110	TCP	62 1871 → 80 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 SACK_PERM
41	21.481797	202.179.182.110	192.168.0.112	TCP	60 80 → 1871 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460
42	21.481866	192.168.0.112	202.179.182.110	TCP	54 1871 → 80 [ACK] Seq=1 Ack=1 Win=65535 Len=0
43	21.482221	192.168.0.112	202.179.182.110	TCP	1514 1871 → 80 [ACK] Seq=1 Ack=1 Win=65535 Len=1460 [TCP PDU reassembled in 44]
44	21.482246	192.168.0.112	202.179.182.110	HTTP	1087 GET /addAndList.nhn?r=linkedMember&cafeKey=11633828&ncmc4=7a4faf8390d1b40c5fb1f6e1ec156f14bce63bd7a4d60767e8240f37
45	21.486999	202.179.182.110	192.168.0.112	TCP	60 80 → 1871 [ACK] Seq=1 Ack=1461 Win=8760 Len=0
46	21.487018	202.179.182.110	192.168.0.112	TCP	60 80 → 1871 [ACK] Seq=1 Ack=2494 Win=11680 Len=0
47	21.489845	202.179.182.110	192.168.0.112	HTTP	824 HTTP/1.1 200 OK (text/plain)
48	21.489883	202.179.182.110	192.168.0.112	TCP	60 80 → 1871 [FIN, ACK] Seq=771 Ack=2494 Win=11680 Len=0
49	21.489900	192.168.0.112	202.179.182.110	TCP	54 1871 → 80 [ACK] Seq=2494 Ack=772 Win=64765 Len=0
50	21.491268	192.168.0.112	202.179.182.110	TCP	54 1871 → 80 [FIN, ACK] Seq=2494 Ack=772 Win=64765 Len=0
51	21.494702	202.179.182.110	192.168.0.112	TCP	60 80 → 1871 [ACK] Seq=772 Ack=2495 Win=11680 Len=0
52	21.810624	fe80::2c0:26ff:fe2a…	ff02::1:ff00:63	ICMPv6	86 Neighbor Solicitation for 2001:500:13::63 from 00:c0:26:2a:6e:b2
53	22.015562	JuniperNetwo_9a:f2:…	Broadcast	ARP	60 Who has 192.168.0.47? Tell 192.168.0.1
54	22.561729	120.50.133.148	192.168.0.112	TCP	62 5004 → 4855 [PSH, ACK] Seq=458 Ack=23 Win=10720 Len=8
55	22.562187	192.168.0.112	120.50.133.148	TCP	65 4855 → 5004 [PSH, ACK] Seq=23 Ack=466 Win=64494 Len=11
56	22.564714	120.50.133.148	192.168.0.112	TCP	60 5004 → 4855 [ACK] Seq=466 Ack=34 Win=10720 Len=0
57	24.012732	JuniperNetwo_9a:f2:…	Broadcast	ARP	60 Who has 192.168.0.47? Tell 192.168.0.1
58	25.292542	192.168.0.14	239.255.255.250	SSDP	308 NOTIFY * HTTP/1.1
59	25.293060	192.168.0.14	239.255.255.250	SSDP	380 NOTIFY * HTTP/1.1
60	25.293703	192.168.0.14	239.255.255.250	SSDP	376 NOTIFY * HTTP/1.1
61	25.294245	192.168.0.14	239.255.255.250	SSDP	356 NOTIFY * HTTP/1.1
62	25.294890	192.168.0.14	239.255.255.250	SSDP	388 NOTIFY * HTTP/1.1
63	25.295411	192.168.0.14	239.255.255.250	SSDP	370 NOTIFY * HTTP/1.1
64	25.296000	192.168.0.14	239.255.255.250	SSDP	372 NOTIFY * HTTP/1.1
65	25.296527	192.168.0.14	239.255.255.250	SSDP	372 NOTIFY * HTTP/1.1
66	26.009227	JuniperNetwo_9a:f2:…	Broadcast	ARP	60 Who has 192.168.0.47? Tell 192.168.0.1
67	28.006172	JuniperNetwo_9a:f2:…	Broadcast	ARP	60 Who has 192.168.0.47? Tell 192.168.0.1
68	30.002821	JuniperNetwo_9a:f2:…	Broadcast	ARP	60 Who has 192.168.0.47? Tell 192.168.0.1
69	31.999765	JuniperNetwo_9a:f2:…	Broadcast	ARP	60 Who has 192.168.0.47? Tell 192.168.0.1
70	32.539782	120.50.133.148	192.168.0.112	TCP	62 5004 → 4855 [PSH, ACK] Seq=466 Ack=34 Win=10720 Len=8
71	32.540254	192.168.0.112	120.50.133.148	TCP	65 4855 → 5004 [PSH, ACK] Seq=34 Ack=474 Win=64486 Len=11
72	32.543909	120.50.133.148	192.168.0.112	TCP	60 5004 → 4855 [ACK] Seq=474 Ack=45 Win=10720 Len=0
73	33.996250	JuniperNetwo_9a:f2:…	Broadcast	ARP	60 Who has 192.168.0.47? Tell 192.168.0.1
74	35.082238	QuantaMicros_21:e3:…	Broadcast	ARP	42 Who has 192.168.0.15? Tell 192.168.0.112
75	35.085508	LansTechnolo_2a:6e:…	QuantaMicros_21:e3:…	ARP	60 192.168.0.15 is at 00:c0:26:2a:6e:b2
76	35.089790	192.168.0.112	168.126.63.1	DNS	85 Standard query 0xdd3b PTR 15.0.168.192.in-addr.arpa
77	35.097967	168.126.63.1	192.168.0.112	DNS	135 Standard query response 0xdd3b No such name PTR 15.0.168.192.in-addr.arpa SOA localhost
78	35.098271	OuantaMicros 21:e3:…	Broadcast	ARP	42 Who has 192.168.0.15? Tell 192.168.0.112

클라이언트(192.168.0.112)가 서버(202.179.182.110)의 HTTP 포트(80)에 접속을 시도하며 SYN 패킷을 보내서 핸드셰이크 완료됨.
MSS (Maximum Segment Size) 전송할 수 있는 최대 데이터 크기 1460바이트로 설정

패킷 44번
: 클라이언트 HTTP GET 요청을 보냄. txt 형식으로 확인 가능. 쿠키값 존재


```
{"c":"6","i":"http://itemimgs.naver.com/personacon","l":[
        {"m":"aackc","n":"챨리","p":"/94/63/2726394.gif"},
        {"m":"soseaz","n":"soseaz","p":"N"},
        {"m":"doochiri","n":"목말랑","p":"/10/59/1015910.gif"},
        {"m":"nig0412","n":"nig0412","p":"N"},
        {"m":"hyouks74","n":"블루오션","p":"/81/52/2525281.gif"},
        {"m":"katro","n":"김반장","p":"/27/84/1108427.gif"}
]}
```


이후 서버는 HTTP/1.1 200 OK 응답을 통해 요청을 정상 처리하고 클라이언트와 서버는 연결 정상적으로 종료.
사용자가 Mozilla 리눅스를 사용하는 것으로 확인

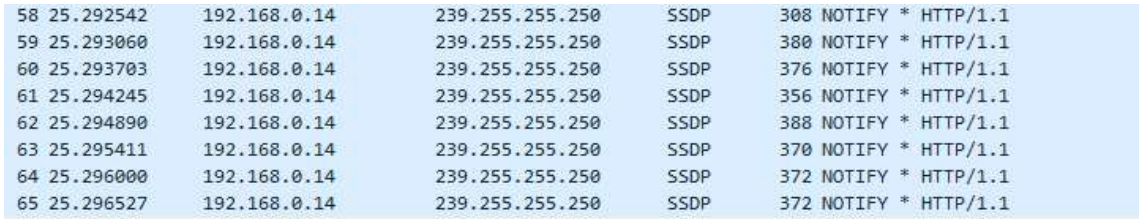


패킷 51-52

: ICMPv6 프로토콜 기반의 Neighbor Solicitation(NS) 메시지, IPv6 네트워크 환경에서 연결된 이웃 장치를 찾기 위한 정상적인 동작.

패킷 53-56

: 로컬 네트워크 내에서 해당 IP 주소(192.168.0.47)의 MAC 주소를 알아내기 위해 브로드캐스트 요청을 전송



패킷 58-65

: SSDP NOTIFY 메시지가 연속적으로 전송됨

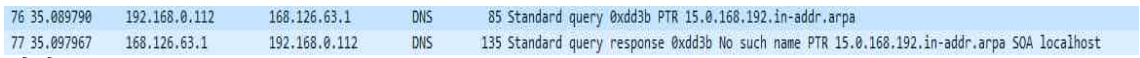
네트워크 장치들이 서로를 검색하고, 네트워크 서비스나 장치를 자동으로 발견하는 데 사용되는 프로토콜. SSDP는 주로 멀티캐스트 주소를 사용하여 다른 장치들에게 알림을 보내고 응답을 받음

패킷 66-79

: ARP 요청 계속 반복. 이전과 동일한 Who has 192.168.0.47? Tell 192.168.0.1 요청

패킷 73-75

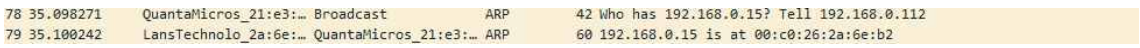
: 브로드캐스트로 요청되었으며, 192.168.0.15에 대한 ARP 응답이 네트워크로 브로드캐스트. 응답에 따라 192.168.0.15의 MAC 주소(00:c0:26:2a:6e:b2)가 네트워크 상에 알려짐.



패킷 76-77

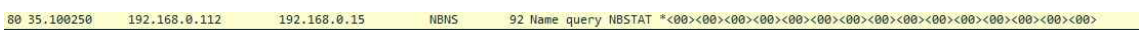
: DNS 요청이 15.0.168.192.in-addr.arpa 도메인에 대한 PTR (Reverse DNS Lookup). 주로 IP 주소를 도메인 이름으로 변환하기 위해 역방향 조회 수행

응답 내용: No such name PTR은 DNS 서버가 요청된 PTR 레코드에 대한 정보를 찾지 못했음을 의미



패킷 78~29

: 192.168.0.15의 MAC주소를 찾는 ARP프로토콜에 LansTechnolo_2a:6e:b2가 192.168.0.15라고 응답을 보냈음

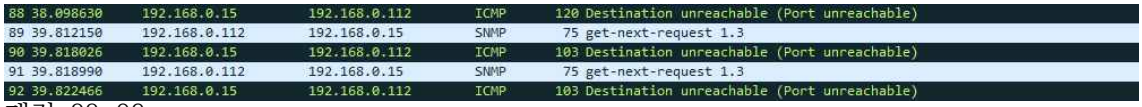


패킷 80

: NBNS = NetBIOS Name Service의 약자로 NetBIOS 이름을 사용하여 네트워크 상의 다른 장치들을 찾는데 사용되는 프로토콜, 네트워크 상에서 이름을 IP주소와 연결하는 역할을 한다. <00>으로 특정 이름을 나타내지 않았으므로 모든 네트워크 장치에서 응답을 받기 위한 질의

패킷 85

: 프로토콜: IPX SAP, 네트워크에서 서비스(예: 프린터, 파일 서버 등)를 광고하기 위해 사용되는 프로토콜



패킷 88-92

: 192.168.0.112는 SNMP Get-Next-Request 명령을 통해 192.168.0.15의 네트워크 정보를 요청했으나, 대상 포트가 닫혀있어 ICMP Destination Unreachable 응답을 수신

94

: 192.168.0.15의 mac 주소를 192.168.0.112에서 응답

95번 패킷부터 이메일 시스템에 연결을 시도 하고 연결을 성공한 후 99번 패킷에서 새로운 포트로 연결을 시도 함. 중간자 공격이나 세션하이재킹의 공격 가능성이 있음 이후 3313포트에서 19169포트로 TCP 연결 유지에 대한 패킷을 보냄

이후 같은 IP에서 여러 포트로 SYN패킷을 보내는 것으로 보아 포트 스캐닝임을 의심

TCP 대화따라가기

3	2.559701	120.50.133.148	192.168.0.112	TCP	503 5004 → 4855 [PSH, ACK] Seq=1 Ack=1 Win=10720 Len=449
4	2.560331	192.168.0.112	120.50.133.148	TCP	65 4855 → 5004 [PSH, ACK] Seq=1 Ack=450 Win=64510 Len=11
5	2.563330	120.50.133.148	192.168.0.112	TCP	60 5004 → 4855 [ACK] Seq=450 Ack=12 Win=10720 Len=0
28	12.571094	120.50.133.148	192.168.0.112	TCP	62 5004 → 4855 [PSH, ACK] Seq=450 Ack=12 Win=10720 Len=8
29	12.571575	192.168.0.112	120.50.133.148	TCP	65 4855 → 5004 [PSH, ACK] Seq=12 Ack=458 Win=64502 Len=11
30	12.574583	120.50.133.148	192.168.0.112	TCP	60 5004 → 4855 [ACK] Seq=458 Ack=23 Win=10720 Len=0
54	22.561729	120.50.133.148	192.168.0.112	TCP	62 5004 → 4855 [PSH, ACK] Seq=458 Ack=23 Win=10720 Len=8
55	22.562187	192.168.0.112	120.50.133.148	TCP	65 4855 → 5004 [PSH, ACK] Seq=23 Ack=466 Win=64494 Len=11
56	22.564714	120.50.133.148	192.168.0.112	TCP	60 5004 → 4855 [ACK] Seq=466 Ack=34 Win=10720 Len=0
70	32.539782	120.50.133.148	192.168.0.112	TCP	62 5004 → 4855 [PSH, ACK] Seq=466 Ack=34 Win=10720 Len=8
71	32.540254	192.168.0.112	120.50.133.148	TCP	65 4855 → 5004 [PSH, ACK] Seq=34 Ack=474 Win=64486 Len=11
72	32.543909	120.50.133.148	192.168.0.112	TCP	60 5004 → 4855 [ACK] Seq=474 Ack=45 Win=10720 Len=0
2189	42.573655	120.50.133.148	192.168.0.112	TCP	62 5004 → 4855 [PSH, ACK] Seq=474 Ack=45 Win=10720 Len=8
2190	42.574121	192.168.0.112	120.50.133.148	TCP	65 4855 → 5004 [PSH, ACK] Seq=45 Ack=482 Win=64478 Len=11
2196	42.577868	120.50.133.148	192.168.0.112	TCP	60 5004 → 4855 [ACK] Seq=482 Ack=56 Win=10720 Len=0
9127	52.560315	120.50.133.148	192.168.0.112	TCP	62 5004 → 4855 [PSH, ACK] Seq=482 Ack=56 Win=10720 Len=8
9128	52.560742	192.168.0.112	120.50.133.148	TCP	65 4855 → 5004 [PSH, ACK] Seq=56 Ack=490 Win=64470 Len=11
9129	52.568347	120.50.133.148	192.168.0.112	TCP	60 5004 → 4855 [ACK] Seq=490 Ack=67 Win=10720 Len=0
9180	62.541971	120.50.133.148	192.168.0.112	TCP	62 5004 → 4855 [PSH, ACK] Seq=490 Ack=67 Win=10720 Len=8
9181	62.542444	192.168.0.112	120.50.133.148	TCP	65 4855 → 5004 [PSH, ACK] Seq=67 Ack=498 Win=64462 Len=11
9182	62.544746	120.50.133.148	192.168.0.112	TCP	60 5004 → 4855 [ACK] Seq=498 Ack=78 Win=10720 Len=0
9412	72.567986	120.50.133.148	192.168.0.112	TCP	62 5004 → 4855 [PSH, ACK] Seq=498 Ack=78 Win=10720 Len=8
9413	72.568296	192.168.0.112	120.50.133.148	TCP	65 4855 → 5004 [PSH, ACK] Seq=78 Ack=506 Win=64454 Len=11

```
TICK 0 BEF9999031885DFC79A86B5DC71E82C3E5EBDF9A7E0767600112C63F2B7E900F81142CD9ABE7E2497395550E16CC6E8BB26
C6E79B30B87FFA093264EDEA6BE274AD393C18BEC84DEDD8C495F78D6E0A317A5A4F0CCD5A442158A37D708BD72921022020418B87
0D24CF656CA78EB578929A2603F029278996C
PING 0

PING 610

PING 0

PING 611

PING 0

PING 612

PING 0

PING 613

PING 0

PING 614

PING 0

PING 615

PING 0

PING 616

PING 0

PING 617
```

지속적으로 PING명령어를 실행하는 것으로 보임

```
 10 6.095373    192.168.0.112   117.53.117.12   TCP      62 1870 → 80 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 SACK_PERM
 11 6.100603    117.53.117.12   192.168.0.112   TCP      60 80 → 1870 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460
 12 6.100672    192.168.0.112   117.53.117.12   TCP      54 1870 → 80 [ACK] Seq=1 Ack=1 Win=65535 Len=0
 13 6.100779    192.168.0.112   117.53.117.12   HTTP    399 GET /nateon/ticker HTTP/1.1
 14 6.110077    117.53.117.12   192.168.0.112   TCP      60 80 → 1870 [ACK] Seq=1 Ack=346 Win=6432 Len=0
 15 6.111184    117.53.117.12   192.168.0.112   TCP    1514 80 → 1870 [ACK] Seq=1 Ack=346 Win=6432 Len=1460 [TCP PDU reassembled in 19]
 16 6.111256    117.53.117.12   192.168.0.112   TCP    1514 80 → 1870 [ACK] Seq=1461 Ack=346 Win=6432 Len=1460 [TCP PDU reassembled in 19]
 17 6.111271    192.168.0.112   117.53.117.12   TCP      54 1870 → 80 [ACK] Seq=346 Ack=2921 Win=65535 Len=0
 18 6.127684    117.53.117.12   192.168.0.112   TCP    1514 80 → 1870 [ACK] Seq=2921 Ack=346 Win=6432 Len=1460 [TCP PDU reassembled in 19]
 19 6.127703    117.53.117.12   192.168.0.112   HTTP/X…  286 HTTP/1.1 200 OK
 20 6.127724    192.168.0.112   117.53.117.12   TCP      54 1870 → 80 [ACK] Seq=346 Ack=4613 Win=65535 Len=0
 33 16.107726   117.53.117.12   192.168.0.112   TCP      60 80 → 1870 [FIN, ACK] Seq=4613 Ack=346 Win=6432 Len=0
 34 16.107764   192.168.0.112   117.53.117.12   TCP      54 1870 → 80 [ACK] Seq=346 Ack=4614 Win=65535 Len=0
 38 20.130059   192.168.0.112   117.53.117.12   TCP      54 1870 → 80 [RST, ACK] Seq=346 Ack=4614 Win=0 Len=0
```

```
GET /nateon/ticker HTTP/1.1
User-Agent: NateOn/4.0.14.3 (1605)
Host: newstkr.nate.com
Cache-Control: no-cache
Cookie: UD2=9fe2e8506c768773; pcid=1300772270640365551; NateMain=NcOpen=1&NateOn=N&BlockCy=0; MAIN=OpenSession=1; Nate=Close=; LOGIN=saveid=off&iplevel=2&xlevel=2&loginid=&savepwd=off&loginrsapwd=; SAVED_NATEID=%7C0; SSL_LOGIN=1


HTTP/1.1 200 OK
Content-Length: 4347
Content-Type: text/xml
Cache-Control: no-cache
Last-Modified: Tue, 29 Mar 2011 09:59:06 GMT
Accept-Ranges: bytes
Server: Apache
Via: SK-WebCache-32bits with openssl/0.6.39
Date: Tue, 29 Mar 2011 10:00:01 GMT
Age: 55

<?xml version="1.0" encoding="EUC-KR"?>
<ipml>
<body>
<list name="ticker">
<member date="20110329152403" url="http://news.nate.com/etc/nateonRedirect?NC=NT&amp;url=http%3A%2F%2Fnews.nate.com%2Frank%2Finterest%3Fnateon%3D20110329n18845%26sc%3Dall" ttl="3">.... 80.... .... .
..... ..... .... 3..6..</member>
<member date="20110329151003" url="http://news.nate.com/etc/nateonRedirect?NC=NT&amp;url=http%3A%2F%2Fnews.nate.com%2Frank%2Finterest%3Fnateon%3D20110329n18166%26sc%3Dent" ttl="3">........ ..... ..
..... ..... ... .. ..... ..... ....</member>
<member date="20110329155503" url="http://news.nate.com/etc/nateonRedirect?NC=NT&amp;url=http%3A%2F%2Fnews.nate.com%2Frank%2Finterest%3Fnateon%3D20110329n20054%26sc%3Dspo" ttl="3">.. .... &amp;quot;....
.., ..... ..... ..... ....&amp;quot;</member>
<member date="20110329153803" url="http://news.nate.com/etc/nateonRedirect?NC=NT&amp;url=http%3A%2F%2Fnews.nate.com%2Frank%2Finterest%3Fnateon%3D20110329n19418%26sc%3Dall" ttl="3">&amp;quot;.....5, 10.
..... .....&amp;quot;</member>
<member date="20110329152903" url="http://news.nate.com/etc/nateonRedirect?NC=NT&amp;url=http%3A%2F%2Fnews.nate.com%2Frank%2Finterest%3Fnateon%3D20110329n19091%26sc%3Dent" ttl="3">....., '.....' .
..... '..... .....'....</member>
<member date="20110329175005" url="http://news.nate.com/etc/nateonRedirect?NC=NT&amp;url=http%3A%2F%2Fnews.nate.com%2Frank%2Finterest%3Fnateon%3D20110329n24370%26sc%3Dspo" ttl="3">..... On ..... |
..... .....</member>
<member date="20110329150002" url="http://news.nate.com/etc/nateonRedirect?NC=NT&amp;url=http%3A%2F%2Fnews.nate.com%2Frank%2Finterest%3Fnateon%3D20110329n17515%26sc%3Dall" ttl="3">'.....' .....
... ..... .....</member>
<member date="20110329162203" url="http://news.nate.com/etc/nateonRedirect?NC=NT&amp;url=http%3A%2F%2Fnews.nate.com%2Frank%2Finterest%3Fnateon%3D20110329n21236%26sc%3Dent" ttl="3">'.....' ....., .
... .... .... '30kg ....'</member>
```

nate의 news에 접속하여 받은 html코드

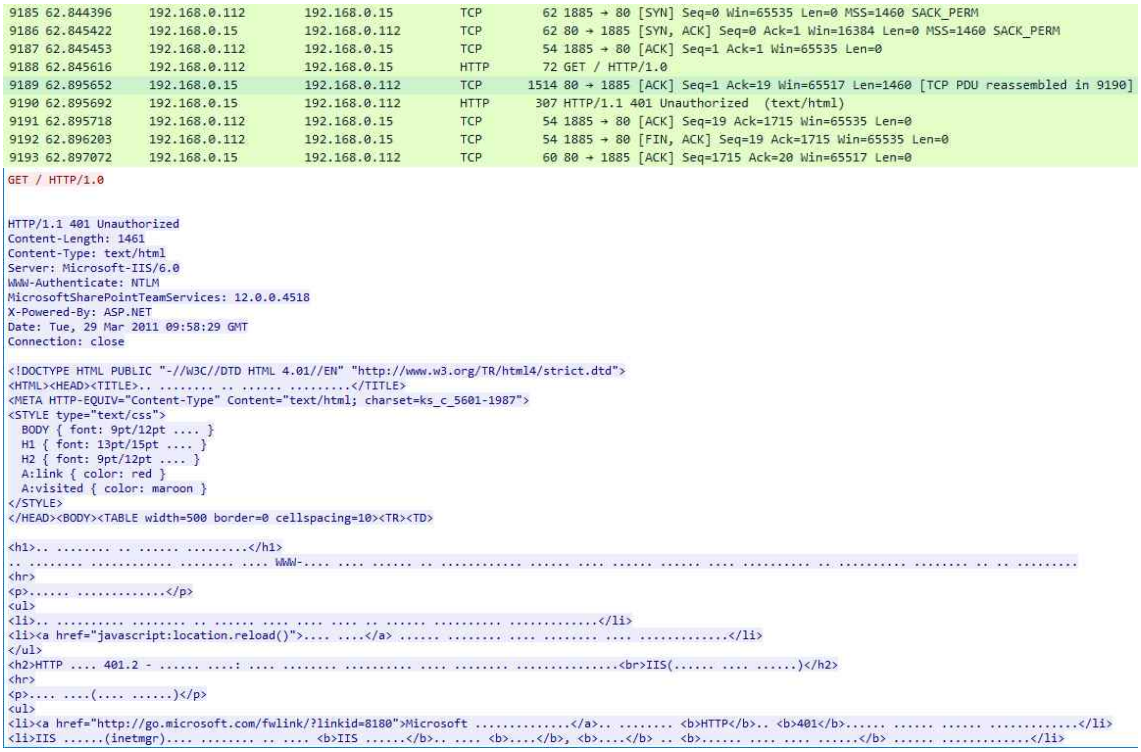
```
 9161 60.829147   192.168.0.112   192.168.0.15    TCP      62 1882 → 80 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 SACK_PERM
 9162 60.830235   192.168.0.15    192.168.0.112   TCP      62 80 → 1882 [SYN, ACK] Seq=0 Ack=1 Win=16384 Len=0 MSS=1460 SACK_PERM
 9163 60.830284   192.168.0.112   192.168.0.15    TCP      54 1882 → 80 [ACK] Seq=1 Ack=1 Win=65535 Len=0
 9164 60.840388   192.168.0.112   192.168.0.15    HTTP     72 GET / HTTP/1.1
 9165 60.841811   192.168.0.15    192.168.0.112   HTTP    222 HTTP/1.1 400 Bad Request  (text/html)
 9166 60.841895   192.168.0.112   192.168.0.15    TCP      54 1882 → 80 [ACK] Seq=19 Ack=170 Win=65367 Len=0
 9167 60.842144   192.168.0.112   192.168.0.15    TCP      54 1882 → 80 [FIN, ACK] Seq=19 Ack=170 Win=65367 Len=0
 9169 60.843565   192.168.0.15    192.168.0.112   TCP      60 80 → 1882 [ACK] Seq=170 Ack=20 Win=65517 Len=0
```

```
GET / HTTP/1.1
```

```
HTTP/1.1 400 Bad Request
Content-Type: text/html
Date: Tue, 29 Mar 2011 09:58:27 GMT
Connection: close
Content-Length: 39

<h1>Bad Request (Invalid Hostname)</h1>
```

클라이언트가 보낸 요청에 오류가 있는 HTTP 400 Bad Request패킷



```
9185 62.844396   192.168.0.112   192.168.0.15    TCP     62 1885 → 80 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 SACK_PERM
9186 62.845422   192.168.0.15    192.168.0.112   TCP     62 80 → 1885 [SYN, ACK] Seq=0 Ack=1 Win=16384 Len=0 MSS=1460 SACK_PERM
9187 62.845453   192.168.0.112   192.168.0.15    TCP     54 1885 → 80 [ACK] Seq=1 Ack=1 Win=65535 Len=0
9188 62.845616   192.168.0.112   192.168.0.15    HTTP    72 GET / HTTP/1.0
9189 62.895652   192.168.0.15    192.168.0.112   TCP   1514 80 → 1885 [ACK] Seq=1 Ack=19 Win=65517 Len=1460 [TCP PDU reassembled in 9190]
9190 62.895692   192.168.0.15    192.168.0.112   HTTP   307 HTTP/1.1 401 Unauthorized  (text/html)
9191 62.895718   192.168.0.112   192.168.0.15    TCP     54 1885 → 80 [ACK] Seq=19 Ack=1715 Win=65535 Len=0
9192 62.896203   192.168.0.112   192.168.0.15    TCP     54 1885 → 80 [FIN, ACK] Seq=19 Ack=1715 Win=65535 Len=0
9193 62.897072   192.168.0.15    192.168.0.112   TCP     60 80 → 1885 [ACK] Seq=1715 Ack=20 Win=65517 Len=0
```

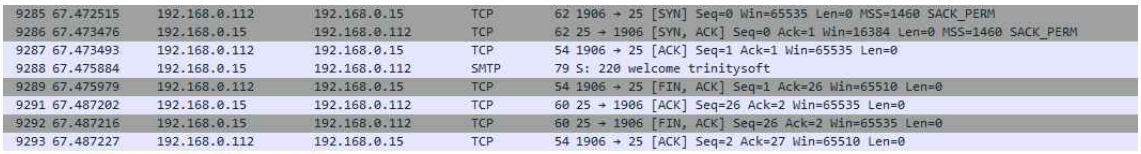
```
GET / HTTP/1.0


HTTP/1.1 401 Unauthorized
Content-Length: 1461
Content-Type: text/html
Server: Microsoft-IIS/6.0
WWW-Authenticate: NTLM
MicrosoftSharePointTeamServices: 12.0.0.4518
X-Powered-By: ASP.NET
Date: Tue, 29 Mar 2011 09:58:29 GMT
Connection: close

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
<HTML><HEAD><TITLE>.. ........ .. ...... .........</TITLE>
<META HTTP-EQUIV="Content-Type" Content="text/html; charset=ks_c_5601-1987">
<STYLE type="text/css">
  BODY { font: 9pt/12pt .... }
  H1 { font: 13pt/15pt .... }
  H2 { font: 9pt/12pt .... }
  A:link { color: red }
  A:visited { color: maroon }
</STYLE>
</HEAD><BODY><TABLE width=500 border=0 cellspacing=10><TR><TD>

<h1>.. ........ .. ...... .........</h1>
.. ........ ............ ........ .... WWW-.... .... ...... .. ............ ...... .... ...... ...... .... .......... .. .......... ........ .. .. .........
<hr>
<p>...... ............</p>
<ul>
<li>.. .......... ........ .. ...... .... .... .... .. ...... .......... ............</li>
<li><a href="javascript:location.reload()">.... ....</a> ...... ........ .... ........ .... ............</li>
</ul>
<h2>HTTP .... 401.2 - ...... ....: .... ........ .......... .... ........ ..............<br>IIS(...... .... ......)</h2>
<hr>
<p>.... ....(.... ......)</p>
<ul>
<li><a href="http://go.microsoft.com/fwlink/?linkid=8180">Microsoft ..............</a>.. ........ <b>HTTP</b>.. <b>401</b>..... ...... ...... ..... ..............</li>
<li>IIS ......(inetmgr).... ........ .. .... <b>IIS ......</b>.. .... <b>....</b>, <b>....</b> .. <b>...... .... .... ......</b> ...... ..... ..............</li>
```

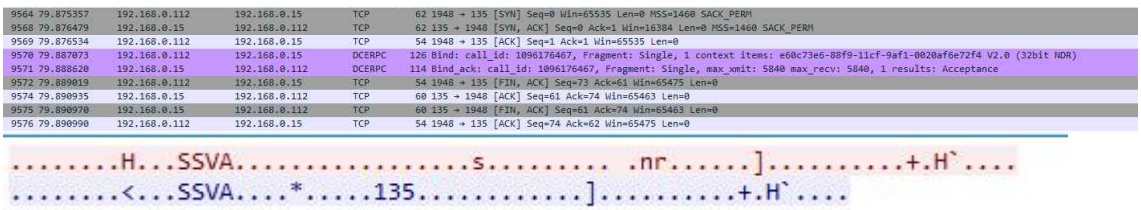
401 Unauthorized : 클라이언트가 요청한 리소스에 접근할 권한이 없다는 것을 나타내는 HTTP 상태 코드



```
9285 67.472515   192.168.0.112   192.168.0.15    TCP     62 1906 → 25 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 SACK_PERM
9286 67.473476   192.168.0.15    192.168.0.112   TCP     62 25 → 1906 [SYN, ACK] Seq=0 Ack=1 Win=16384 Len=0 MSS=1460 SACK_PERM
9287 67.473493   192.168.0.112   192.168.0.15    TCP     54 1906 → 25 [ACK] Seq=1 Ack=1 Win=65535 Len=0
9288 67.475884   192.168.0.15    192.168.0.112   SMTP    79 S: 220 welcome trinitysoft
9289 67.475979   192.168.0.112   192.168.0.15    TCP     54 1906 → 25 [FIN, ACK] Seq=1 Ack=26 Win=65510 Len=0
9291 67.487202   192.168.0.15    192.168.0.112   TCP     60 25 → 1906 [ACK] Seq=26 Ack=2 Win=65535 Len=0
9292 67.487216   192.168.0.15    192.168.0.112   TCP     60 25 → 1906 [FIN, ACK] Seq=26 Ack=2 Win=65535 Len=0
9293 67.487227   192.168.0.112   192.168.0.15    TCP     54 1906 → 25 [ACK] Seq=2 Ack=27 Win=65510 Len=0
```

```
220 welcome trinitysoft
```

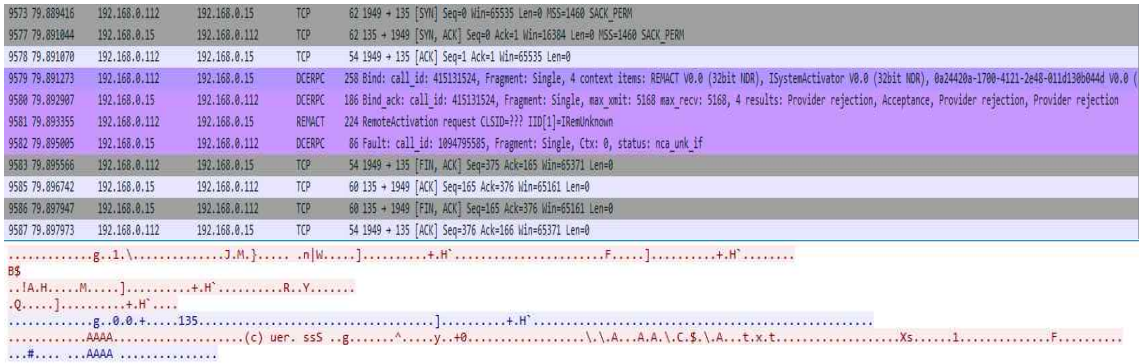
SMTP 메시지 서비스에 연결



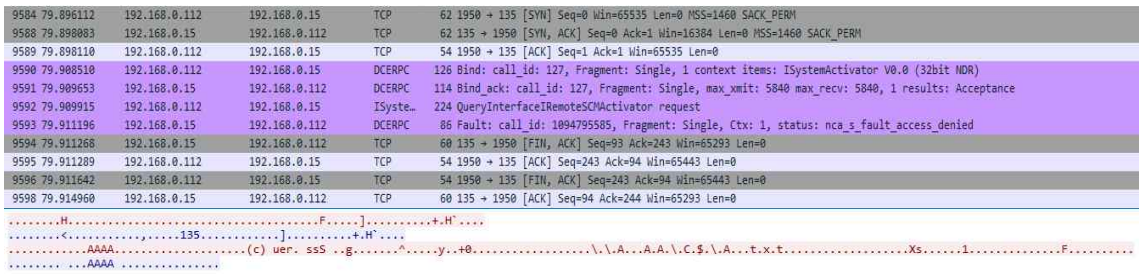
```
9564 79.875357   192.168.0.112   192.168.0.15    TCP     62 1948 → 135 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 SACK_PERM
9568 79.876479   192.168.0.15    192.168.0.112   TCP     62 135 → 1948 [SYN, ACK] Seq=0 Ack=1 Win=16384 Len=0 MSS=1460 SACK_PERM
9569 79.876534   192.168.0.112   192.168.0.15    TCP     54 1948 → 135 [ACK] Seq=1 Ack=1 Win=65535 Len=0
9570 79.887073   192.168.0.112   192.168.0.15    DCERPC  126 Bind: call_id: 1096176467, Fragment: Single, 1 context items: e60c73e6-88f9-11cf-9af1-0020af6e72f4 V2.0 (32bit NDR)
9571 79.888620   192.168.0.15    192.168.0.112   DCERPC  114 Bind_ack: call_id: 1096176467, Fragment: Single, max_xmit: 5840 max_recv: 5840, 1 results: Acceptance
9572 79.889019   192.168.0.112   192.168.0.15    TCP     54 1948 → 135 [FIN, ACK] Seq=73 Ack=61 Win=65475 Len=0
9574 79.890935   192.168.0.15    192.168.0.112   TCP     60 135 → 1948 [ACK] Seq=61 Ack=74 Win=65463 Len=0
9575 79.890970   192.168.0.15    192.168.0.112   TCP     60 135 → 1948 [FIN, ACK] Seq=61 Ack=74 Win=65463 Len=0
9576 79.890990   192.168.0.112   192.168.0.15    TCP     54 1948 → 135 [ACK] Seq=74 Ack=62 Win=65475 Len=0
```

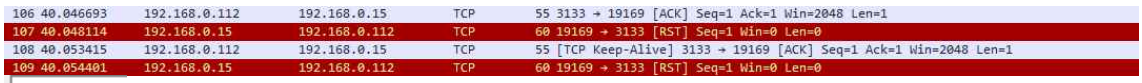
```
........H...SSVA.................s.......... .nr......]..........+.H`....
........<...SSVA....*.....135.............]..........+.H`....
```

DCERPC (Distributed Computing Environment / Remote Procedure Call)
원격 프로시저 호출 (RPC)의 한 형태로, 분산 환경에서 다른 시스템의 프로시저(함수나 메소드)를 호출할 수 있게 해주는 프로토콜
DCE (Distributed Computing Environment)라는 프레임워크의 일부로, 다양한 시스템 간에 분산 애플리케이션을 개발할 수 있게 지원하는 기술
TCP 연결을 설정하고, DCERPC 프로토콜을 사용하여 Bind 요청과 응답을 교환하는 과정. 그 후, 연결을 종료하는 FIN, ACK 패킷이 교환

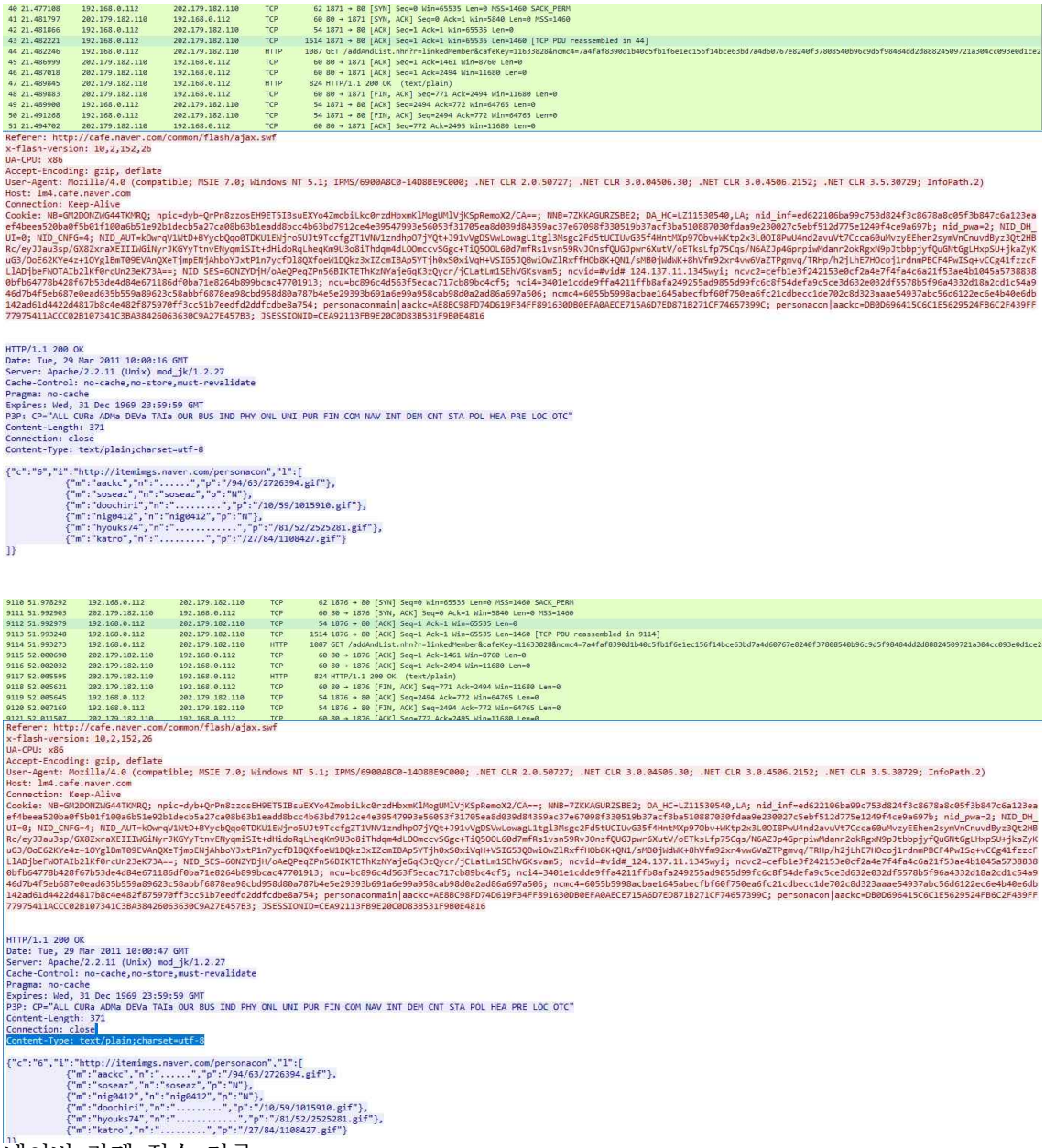


DCERPC 프로토콜을 사용한 원격 프로시저 호출 요청과 응답
Bind 요청 후 Provider rejection이 발생하는 등, 요청이 거부되고 연결이 종료
Fault 응답에서 nca_unk_if오류가 발생 = 알 수 없는 인터페이스 오류로 요청이 처리 되지 않음을 의미





연결을 유지 하려고 하지만 연결을 서버에서 끊음



```
40 21.477108    192.168.0.112    202.179.182.110    TCP      62 1871 → 80 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 SACK_PERM
41 21.481797    202.179.182.110  192.168.0.112      TCP      60 80 → 1871 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460
42 21.481866    192.168.0.112    202.179.182.110    TCP      54 1871 → 80 [ACK] Seq=1 Ack=1 Win=65535 Len=0
43 21.482221    192.168.0.112    202.179.182.110    TCP    1514 1871 → 80 [ACK] Seq=1 Ack=1 Win=65535 Len=1460 [TCP PDU reassembled in 44]
44 21.482246    192.168.0.112    202.179.182.110    HTTP   1087 GET /addAndList.nhn?r=linkedMember&cafeKey=11633828&ncmc4=7a4faf8390d1b40c5fb1f6e1ec156f14bce63bd7a4d60767e8240f37808540b96c9d5f98484dd2d8882450972 1a304cc093e0d1ce2
45 21.486999    202.179.182.110  192.168.0.112      TCP      60 80 → 1871 [ACK] Seq=1 Ack=1461 Win=8760 Len=0
46 21.487018    202.179.182.110  192.168.0.112      TCP      60 80 → 1871 [ACK] Seq=1 Ack=2494 Win=11680 Len=0
47 21.489845    202.179.182.110  192.168.0.112      HTTP    824 HTTP/1.1 200 OK  (text/plain)
48 21.489883    202.179.182.110  192.168.0.112      TCP      60 80 → 1871 [FIN, ACK] Seq=771 Ack=2494 Win=11680 Len=0
49 21.489900    192.168.0.112    202.179.182.110    TCP      54 1871 → 80 [ACK] Seq=2494 Ack=772 Win=64765 Len=0
50 21.491268    192.168.0.112    202.179.182.110    TCP      54 1871 → 80 [FIN, ACK] Seq=2494 Ack=772 Win=64765 Len=0
51 21.494702    202.179.182.110  192.168.0.112      TCP      60 80 → 1871 [ACK] Seq=772 Ack=2495 Win=11680 Len=0
```

```
Referer: http://cafe.naver.com/common/flash/ajax.swf
x-flash-version: 10,2,152,26
UA-CPU: x86
Accept-Encoding: gzip, deflate
User-Agent: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; IPMS/6900A8C0-14D88E9C000; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; InfoPath.2)
Host: lm4.cafe.naver.com
Connection: Keep-Alive
Cookie: NB=GM2DONZWG44TKMRQ; npic=dyb+QrPn8zzosEH9ET5IBsuEXYo4ZmobiLkc0rzdHbxmKlMogUMlVjKSpReomoX2/CA==; NNB=7ZKKAGURZSBE2; DA_HC=LZ11530540,LA; nid_inf=ed622106ba99c753d824f3c8678a8c05f3b847c6a123ea
ef4beea520ba0f5b01f100a6b51e92b1decb5a27ca08b63b1eadd8bcc4b63bd7912ce4e39547993e56053f31705ea8d039d84359ac37e67098f330519b37acf3ba510887030fdaa9e230027c5ebf512d775e1249f4ce9a697b; nid_pwa=2; NID_DH_
UI=0; NID_CNFG=4; NID_AUT=kOwrqV1WtD+BYycbQqo8TDKU1EWjro5Ut9TccfgZT1VNV1zndhpO7jYQt+J91vVgDSVwLowagL1tgl3Msgc2Fd5tUCIUvG35f4HntNXp97Obv+WKtp2x3L0OI8PwU4nd2avuVt7Ccca60uMvzyEEhen2symVnCnuvdByz3Qt2HB
Rc/eyJJau3sp/GX8ZxraXEIIIWGiNyrJKGYyTtnvENyqmiSIt+dHidoRqLheqKm9U3o8iThdqm4dLOOmccvSGgcxTiQ5OOL60d7mfRs1vsn59RvJOnsfQUGJpwr6XutV/oETksLfp75Cqs/N6AZJp4GprpiwMdanr2okRgxN9pJtbbpjyfQuGNtGgLHxpSU+jkaZyK
uG3/OoE62KYe4z+1DYgl8mT09EVAnQXeTjmpENjAhboYJxtP1n7ycfDl8QXfoeWiDQkz3xIZcmIBAp5YTjh0x50xiVqH+VSIG51QBwiOw2lRxffHObBK+QNl/sMB0jwdwK+8hVfw92xr4vw6VaZTPgmvq/TRNp/h2jLhE7HOcojlrdnmP8CF4PwISq+vCCg41fzzcF
LlADjbeFwOTAIb2lKf0rcUn23eK73A==; NID_SES=6ONZYDjH/oAeQPeqZPn56BIKTEThKzNYajeGqK3zQycr/jCLatLm1SEhVGKsvam5; ncvid=#vid#_124.137.11.1345wyi; ncvc2=cefb1e3f242153e0cf2a4e7f4fa4c6a21f53ae4b1045a5738838
0bfb64778b428f67b53de4d84e671186df0ba71e8264b899bcac47701913; ncu=bc896c4d563f5ecac717cb89bc4cf5; nci4=3401e1cdde9ffa4211ffb8afa249255ad9855d99fc6c8f54defa9c5ce3d632e032df5578b5f96a4332d18a2cd1c54a9
46d7b4f5eb687e0ead635b559a89623c58abbf6878ea98cbd958d80a787b4e5e29393b691a6e99a958cab98d0a2ad86a697a506; ncmc4=6055b5998acbae1645abecfbf60f750ea6fc21cdbecc1de702c8d323aaae54937abc56d6122ec6e4b40e6db
142ad61d4422d4817b8c4e482f875970ff3cc51b7eedfd2ddfcdbe8a754; personaconmain|aackc=AE8BC98FD74D619F34FF891630DB0EFA0AECE715A6D7ED871B271CF74657399C; personacon|aackc=DB0D696415C6C1E5629524FB6C2F439FF
77975411ACCC02B107341C3BA38426063630C9A27E457B3; JSESSIONID=CEA92113FB9E20C0D83B531F9B0E4816
```

```
HTTP/1.1 200 OK
Date: Tue, 29 Mar 2011 10:00:16 GMT
Server: Apache/2.2.11 (Unix) mod_jk/1.2.27
Cache-Control: no-cache,no-store,must-revalidate
Pragma: no-cache
Expires: Wed, 31 Dec 1969 23:59:59 GMT
P3P: CP="ALL CURa ADMa DEVa TAIa OUR BUS IND PHY ONL UNI PUR FIN COM NAV INT DEM CNT STA POL HEA PRE LOC OTC"
Content-Length: 371
Connection: close
Content-Type: text/plain;charset=utf-8

{"c":"6","i":"http://itemimgs.naver.com/personacon","l":[
          {"m":"aackc","n":".....","p":"/94/63/2726394.gif"},
          {"m":"soseaz","n":"soseaz","p":"N"},
          {"m":"doochiri","n":".........","p":"/10/59/1015910.gif"},
          {"m":"nig0412","n":"nig0412","p":"N"},
          {"m":"hyouks74","n":".............","p":"/81/52/2525281.gif"},
          {"m":"katro","n":".........","p":"/27/84/1108427.gif"}
]}
```

```
9110 51.978292    192.168.0.112    202.179.182.110    TCP      62 1876 → 80 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 SACK_PERM
9111 51.992903    202.179.182.110  192.168.0.112      TCP      60 80 → 1876 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460
9112 51.992979    192.168.0.112    202.179.182.110    TCP      54 1876 → 80 [ACK] Seq=1 Ack=1 Win=65535 Len=0
9113 51.993248    192.168.0.112    202.179.182.110    TCP    1514 1876 → 80 [ACK] Seq=1 Ack=1 Win=65535 Len=1460 [TCP PDU reassembled in 9114]
9114 51.993273    192.168.0.112    202.179.182.110    HTTP   1087 GET /addAndList.nhn?r=linkedMember&cafeKey=11633828&ncmc4=7a4faf8390d1b40c5fb1f6e1ec156f14bce63bd7a4d60767e8240f37808540b96c9d5f98484dd2d8882450972 1a304cc093e0d1ce2
9115 52.000690    202.179.182.110  192.168.0.112      TCP      60 80 → 1876 [ACK] Seq=1 Ack=1461 Win=8760 Len=0
9116 52.002032    202.179.182.110  192.168.0.112      TCP      60 80 → 1876 [ACK] Seq=1 Ack=2494 Win=11680 Len=0
9117 52.005595    202.179.182.110  192.168.0.112      HTTP    824 HTTP/1.1 200 OK  (text/plain)
9118 52.005621    202.179.182.110  192.168.0.112      TCP      60 80 → 1876 [FIN, ACK] Seq=771 Ack=2494 Win=11680 Len=0
9119 52.005645    192.168.0.112    202.179.182.110    TCP      54 1876 → 80 [ACK] Seq=2494 Ack=772 Win=64765 Len=0
9120 52.007169    192.168.0.112    202.179.182.110    TCP      54 1876 → 80 [FIN, ACK] Seq=2494 Ack=772 Win=64765 Len=0
9121 52.011587    202.179.182.110  192.168.0.112      TCP      60 80 → 1876 [ACK] Seq=772 Ack=2495 Win=11680 Len=0
```

```
Referer: http://cafe.naver.com/common/flash/ajax.swf
x-flash-version: 10,2,152,26
UA-CPU: x86
Accept-Encoding: gzip, deflate
User-Agent: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; IPMS/6900A8C0-14D88E9C000; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; InfoPath.2)
Host: lm4.cafe.naver.com
Connection: Keep-Alive
Cookie: NB=GM2DONZWG44TKMRQ; npic=dyb+QrPn8zzosEH9ET5IBsuEXYo4ZmobiLkc0rzdHbxmKlMogUMlVjKSpReomoX2/CA==; NNB=7ZKKAGURZSBE2; DA_HC=LZ11530540,LA; nid_inf=ed622106ba99c753d824f3c8678a8c05f3b847c6a123ea
ef4beea520ba0f5b01f100a6b51e92b1decb5a27ca08b63b1eadd8bcc4b63bd7912ce4e39547993e56053f31705ea8d039d84359ac37e67098f330519b37acf3ba510887030fdaa9e230027c5ebf512d775e1249f4ce9a697b; nid_pwa=2; NID_DH_
UI=0; NID_CNFG=4; NID_AUT=kOwrqV1WtD+BYycbQqo8TDKU1EWjro5Ut9TccfgZT1VNV1zndhpO7jYQt+J91vVgDSVwLowagL1tgl3Msgc2Fd5tUCIUvG35f4HntNXp97Obv+WKtp2x3L0OI8PwU4nd2avuVt7Ccca60uMvzyEEhen2symVnCnuvdByz3Qt2HB
Rc/eyJJau3sp/GX8ZxraXEIIIWGiNyrJKGYyTtnvENyqmiSIt+dHidoRqLheqKm9U3o8iThdqm4dLOOmccvSGgcxTiQ5OOL60d7mfRs1vsn59RvJOnsfQUGJpwr6XutV/oETksLfp75Cqs/N6AZJp4GprpiwMdanr2okRgxN9pJtbbpjyfQuGNtGgLHxpSU+jkaZyK
uG3/OoE62KYe4z+1DYgl8mT09EVAnQXeTjmpENjAhboYJxtP1n7ycfDl8QXfoeWiDQkz3xIZcmIBAp5YTjh0x50xiVqH+VSIG51QBwiOw2lRxffHObBK+QNl/sMB0jwdwK+8hVfw92xr4vw6VaZTPgmvq/TRNp/h2jLhE7HOcojlrdnmP8CF4PwISq+vCCg41fzzcF
LlADjbeFwOTAIb2lKf0rcUn23eK73A==; NID_SES=6ONZYDjH/oAeQPeqZPn56BIKTEThKzNYajeGqK3zQycr/jCLatLm1SEhVGKsvam5; ncvid=#vid#_124.137.11.1345wyi; ncvc2=cefb1e3f242153e0cf2a4e7f4fa4c6a21f53ae4b1045a5738838
0bfb64778b428f67b53de4d84e671186df0ba71e8264b899bcac47701913; ncu=bc896c4d563f5ecac717cb89bc4cf5; nci4=3401e1cdde9ffa4211ffb8afa249255ad9855d99fc6c8f54defa9c5ce3d632e032df5578b5f96a4332d18a2cd1c54a9
46d7b4f5eb687e0ead635b559a89623c58abbf6878ea98cbd958d80a787b4e5e29393b691a6e99a958cab98d0a2ad86a697a506; ncmc4=6055b5998acbae1645abecfbf60f750ea6fc21cdbecc1de702c8d323aaae54937abc56d6122ec6e4b40e6db
142ad61d4422d4817b8c4e482f875970ff3cc51b7eedfd2ddfcdbe8a754; personaconmain|aackc=AE8BC98FD74D619F34FF891630DB0EFA0AECE715A6D7ED871B271CF74657399C; personacon|aackc=DB0D696415C6C1E5629524FB6C2F439FF
77975411ACCC02B107341C3BA38426063630C9A27E457B3; JSESSIONID=CEA92113FB9E20C0D83B531F9B0E4816
```

```
HTTP/1.1 200 OK
Date: Tue, 29 Mar 2011 10:00:47 GMT
Server: Apache/2.2.11 (Unix) mod_jk/1.2.27
Cache-Control: no-cache,no-store,must-revalidate
Pragma: no-cache
Expires: Wed, 31 Dec 1969 23:59:59 GMT
P3P: CP="ALL CURa ADMa DEVa TAIa OUR BUS IND PHY ONL UNI PUR FIN COM NAV INT DEM CNT STA POL HEA PRE LOC OTC"
Content-Length: 371
Connection: close
Content-Type: text/plain;charset=utf-8

{"c":"6","i":"http://itemimgs.naver.com/personacon","l":[
          {"m":"aackc","n":".....","p":"/94/63/2726394.gif"},
          {"m":"soseaz","n":"soseaz","p":"N"},
          {"m":"nig0412","n":"nig0412","p":"N"},
          {"m":"doochiri","n":".........","p":"/10/59/1015910.gif"},
          {"m":"hyouks74","n":".............","p":"/81/52/2525281.gif"},
          {"m":"katro","n":".........","p":"/27/84/1108427.gif"}
]}
```

네이버 카페 접속 기록

결론

192.168.0.112에서 192.168.0.15 이메일 서버에 여러 SYN 패킷과 RST 응답이 반복적으로 발생하고 있고 공격자는 SYN 패킷을 보내 열려 있는 포트를 찾고 있는 것으로 보인다.

파일에서 보낸 ICMP는 Neighbor Solicitation(NS) 메시지, IPv6 환경에서 네트워크 이웃의 MAC 주소를 확인하거나 새로 연결된 장치가 네트워크에 있는지 확인하기 위해 사용

HTTP GET 요청을 통해 /nateon/ticker 경로에 데이터를 요청
서버 응답 코드 200 OK가 반환되었으며, 이는 요청이 성공적으로 처리되었음을 의미
데이터 요청 시 쿠키 값이 포함된 것으로 보아, 사용자 인증 또는 개인화된 설정이 포함되었을 가능성이 있음
요청된 데이터는 NateOn에서 제공하는 뉴스 티커 서비스와 관련된 내용으로 보임

포트 스캐닝 중 SYN 패킷을 보냈을 때 SYN-ACK를 받으면, 이는 해당 포트가 열려 있음을 의미 (SYN -보내기, SYN-ACK -응답 받음(포트열림), ACK -보내 핸드셰이크 완료)