

burp 日志插件从原理到实践

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Logger++ 是 nccgroup 开源的一个 burp 扩展，主要功能是记录经过 Burp Suite 的所有 HTTP 请求 和 HTTP 响应。

相较于 Burp 自带的 Proxy 组件中的 HTTP History，logger++ 的优势是记录了更完整的流量，并且支持对这些流量进行基于正则表达式的简易分析，对相关流量记录进行着色展示，将流量导入到 elasticsearch 平台等。Burp 基本组件 Proxy 中的 HTTP History 则只记录经过代理的 HTTP 流量，对于 Repeater, Scanner, Intruder 等组件的流量，并不会在它的标签中展示。

对于笔者而言，常用的功能主要有两个：

- 1、基于正则表达式的简易 HTTP 流量分析
- 2、记录流量日志（导出 csv 便于后续代码分析）

代码简要分析

<https://github.com/nccgroup/BurpSuiteLoggerPlusPlus/blob/master/src/main/java/burp/BurpExtender.java>

从入口 `src/main/java/burp/BurpExtender.java` 开始看，一开始只是继承 `loggerplusplus.LoggerPlusPlus` 类。

```
1 package burp;

2 import loggerplusplus.LoggerPlusPlus;

3
4 public class BurpExtender extends LoggerPlusPlus
5 {
6     public static void main(String [] args){
7         System.out.println("You have built the Logger++. You shall play with the jar file now!");
8     }
9 }
10
11
```

切换到 `src/main/java/loggerplusplus/LoggerPlusPlus.java` 与记录 HTTP 日志有关的语句是 `logManager = new LogManager(loggerPreferences);` 。

```
1  @Override
   public void registerExtenderCallbacks(final IBurpExtenderCallbacks callbacks)
2  {
       //Burp Specific
3      LoggerPlusPlus.callbacks = callbacks;
       LoggerPlusPlus.instance = this;
4      LoggerPlusPlus.contextMenuFactory = new LoggerContextMenuFactory();

5      callbacks.setExtensionName("Logger++");

6      filterListeners = new ArrayList<>();
       loggerPreferences = new LoggerPreferences(LoggerPlusPlus.this);
7      logManager = new LogManager(loggerPreferences);
       elasticSearchLogger = new ElasticSearchLogger(logManager, loggerPreferences);
8

9      if(!callbacks.isExtensionBapp() && loggerPreferences.checkUpdatesOnStartup()){
           MoreHelp.checkForUpdate(false);
10     }

11     buildUI();
12 }
13
14
15
16
```

17
18
19
20
21

继续跟踪到 `src/main/java/loggerplusplus/LogManager.java` 。

基本思路就是继承和实现 Burp 提供的 `IHttpListener` 接口 和 `IProxyListener` 接口，重写 `processHttpMessage` 和 `processProxyMessage` 方法，存储流经的 HTTP 流量。还有一些对 HTTP 请求 / 响应的处理细节可以在 `src/main/java/loggerplusplus/LogEntry.java` 中的 `processRequest` 和 `processResponse` 中找到。（其实大部分情况下 Burp 自带的 `LoggerPlusPlus.getCallbacks().getHelpers().analyzeRequest(requestResponse)` 已经帮我们把需要的字段解析完成了。）

关键代码如下：

```
1      @Override
      public void processHttpMessage(final int toolFlag, final boolean messageIsRequest, final
2          // Only process scanner messages which contain the request and response.
          if(!messageIsRequest) {
3          final LogEntry logEntry = new LogEntry();
```

```

4         processHttpMessage(logEntry, toolFlag, requestResponse);
5     }
6 }
7
8 // Wrapper to allow a custom LogEntry to be passed as a parameter
9 // Custom LogEntry used when importing proxy history.
10 // messageIsRequest is removed as not needed.
11
12 public void processHttpMessage(final LogEntry logEntry, final int toolFlag, final IHttpRe
13     executorService.submit(new Runnable() {
14         @Override
15         public void run() {
16             if(toolFlag != IBurpExtenderCallbacks.TOOL_PROXY || logEntry.isImported){
17                 if(requestResponse == null || !prefs.isEnabled()) return;
18
19                 IRequestInfo analyzedReq = LoggerPlusPlus.getCallbacks().getHelpers().ana
20                 URL uUrl = analyzedReq.getUrl();
21
22                 if (isValidTool(toolFlag) && (!prefs.isRestrictedToScope() || LoggerPlusP
23                     // We will not need to change messageInfo so save to temp file
24                     IHttpRequestResponse savedReqResp = LoggerPlusPlus.getCallbacks().sav
25                     logEntry.processRequest(toolFlag, savedReqResp, uUrl, analyzedReq, nu
26                     if(requestResponse.getResponse() != null) logEntry.processResponse(sa
27                     // Check entry against colorfilters.
28                     for (ColorFilter colorFilter : prefs.getColorFilters().values()) {
29                         logEntry.testColorFilter(colorFilter, false);
30                     }
31
32                     addNewRequest(logEntry, true); // Complete Request and Response Added
33                     for (LogEntryListener logEntryListener : logEntryListeners) {

```

```

20         logEntryListener.onResponseUpdated(logEntry);
21     }
22 }
23 });
24 }
25
26 @Override
27 public void processProxyMessage(final boolean messageIsRequest, final IInterceptedProxyMe
    //REQUEST AND RESPONSE SEPARATE
28     final LogEntry.PendingRequestEntry logEntry;
29     if(messageIsRequest){
30         logEntry = new LogEntry.PendingRequestEntry();
31     }else{
32         synchronized (pendingRequests) {
33             logEntry = pendingRequests.remove(proxyMessage.getMessageReference());
34         }
35     }
36     executorService.submit(new Runnable() {
37         @Override
38         public void run() {
39             if(proxyMessage == null || !prefs.isEnabled()) return;
40             IHttpRequestResponse requestResponse = proxyMessage.getMessageInfo();
41             IRequestInfo analyzedReq = LoggerPlusPlus.getCallbacks().getHelpers().analyze
42             URL uUrl = analyzedReq.getUrl();
43             int toolFlag = LoggerPlusPlus.getCallbacks().TOOL_PROXY;
44             if (isValidTool(toolFlag) && (!prefs.isRestrictedToScope() || LoggerPlusPlus.
45                 if(messageIsRequest){

```

```

36      //New Proxy Request
37      //We need to change messageInfo when we get a response so do not save
logEntry.processRequest(toolFlag, requestResponse, uUrl, analyzedReq,
38      for (ColorFilter colorFilter : prefs.getColorFilters().values()) {
logEntry.testColorFilter(colorFilter, false);
39      }
synchronized (pendingRequests) {
40      pendingRequests.put(proxyMessage.getMessageReference(), logEntry)
41      }
addNewRequest(logEntry, false); // Request added without response
42      }else{
// Existing Proxy Request, update existing
43      if (logEntry != null) {
updatePendingRequest(logEntry, requestResponse);
44      } else {
lateResponses++;
45      if(totalRequests > 100 && ((float)lateResponses)/totalRequests >
MoreHelp.showWarningMessage(lateResponses +
46      " responses have been delivered after the Logger++ timeout.
//Reset late responses to prevent message being displayed aga
lateResponses = 0;
47      }
48      }
49      }
50      });
51      }

```




功能说明

主界面

先看下 Logger++ 的基本界面，其实和 Proxy 中的 HTTP History 基本一致，稍微新增了一些字段。

正常经过代理的流量 Tool 字段都是 Proxy；Repeater, Intruder 等工具发出的请求也会进行记录。

如果 Tool 为 Scanner 是 Burp 自带的扫描器发送的请求；Tool 为 Extender 是其他 Burp 插件发送的请求。在这个场景插件发出的请求都是来自 Active Scan++，**利用这个特性你可以使用 Logger++ 以 "黑盒" 的方式分析 Burp 一些的扫描能力增强插件的原理 / payload。**

Proxy / Repeater / Intruder 案例:

Burp Project Intruder Repeater Window Help												
Dashboard Target Proxy Intruder Repeater Sequencer Decoder Comparer Extender Project options User options Logger++												
View Logs Filter Library Grep Values Options About Help												
Filter:												
#	Complete	Tool	Host	Method	Path	Query	Params	Status	Response Le...	MIME type	Extension	Comment
176	✓	Extender	http://csk.blkstone.me	GET	/	rUrl={url}	✓	200	4315	HTML		
177	✓	Extender	http://csk.blkstone.me	GET	/	rUrl={url}	✓	200	4315	HTML		
178	✓	Extender	http://csk.blkstone.me	GET	/	rUrl={url}	✓	200	4315	HTML		
179	✓	Extender	http://csk.blkstone.me	GET	/	rUrl={url}	✓	200	4315	HTML		
180	✓	Extender	http://csk.blkstone.me	GET	/	rUrl={url}	✓	200	4315	HTML		
181	✓	Extender	http://csk.blkstone.me	GET	/	rUrl={url}	✓	200	4315	HTML		
182	✓	Extender	http://csk.blkstone.me	GET	/	rUrl={url}	✓	200	4315	HTML		
183	✓	Extender	http://csk.blkstone.me	GET	/	rUrl={url}	✓	200	4315	HTML		
184	✓	Extender	http://csk.blkstone.me	GET	/	rUrl={url}	✓	200	4315	HTML		
185	✓	Extender	http://csk.blkstone.me	GET	/	rUrl={url}	✓	200	4315	HTML		
186	✓	Proxy	https://firefox.settings...	GET	/v1/buckets/monitor/collecti...	_since=%221555690676551%22&_exp...	✓	200	181	JSON		
187	✓	Proxy	https://incoming.tele...	POST	/submit/telemetry/d195380a...	v=4	✓	200	2	text		
188	✓	Repeater	http://wp.blkstone.me	GET	/test2019_2.php	a=1	✓	200	53	HTML	php	
189	✓	Repeater	http://wp.blkstone.me	GET	/test2019_1.php	rUrl=http://www.baidu.com	✓	200	24	HTML	php	
190	✓	Intruder	http://wp.blkstone.me	GET	/test2019_1.php	id=100	✓	200	24	HTML	php	
191	✓	Intruder	http://wp.blkstone.me	GET	/test2019_1.php	id=101	✓	200	24	HTML	php	
192	✓	Intruder	http://wp.blkstone.me	GET	/test2019_1.php	id=102	✓	200	24	HTML	php	
193	✓	Intruder	http://wp.blkstone.me	GET	/test2019_1.php	id=105	✓	200	24	HTML	php	
194	✓	Intruder	http://wp.blkstone.me	GET	/test2019_1.php	id=103	✓	200	24	HTML		
195	✓	Intruder	http://wp.blkstone.me	GET	/test2019_1.php	id=104	✓	200	24	HTML		
196	✓	Intruder	http://wp.blkstone.me	GET	/test2019_1.php	id=100	✓	200	24	HTML	php	

Scanner / Extender 案例:

Burp Project Intruder Repeater Window Help
 Dashboard Target Proxy Intruder Repeater Sequencer Decoder Comparer Extender Project options User options Logger++
 View Logs Filter Library Grep Values Options About Help

Filter:

#	Complete	Tool	Host	Method	Path	Query	Params	Status	Response Le...	MIME type	Extension	Comment
68	✓	Scanner	http://csk.blkstone.me	GET	/	rUrl=%3cmex%20xmIns%3d%22http...	✓	200	4315	HTML		
69	✓	Scanner	http://csk.blkstone.me	GET	/	rUrl=%3cxxx%20xmIns%3axi%3d%22...	✓	200	4315	HTML		
70	✓	Scanner	http://csk.blkstone.me	GET	/	rUrl=%7burl%7d%7e%3e%3c...	✓	200	4315	HTML		
71	✓	Scanner	http://csk.blkstone.me	GET	/	rUrl=%7burl%2c%22\$where%22%3a...	✓	200	4315	HTML		
72	✓	Scanner	http://csk.blkstone.me	GET	/	rUrl=%7burl%7d%2b(function)%7bft...	✓	200	4315	HTML		
73	✓	Scanner	http://csk.blkstone.me	GET	/	rUrl=(1)%3bfttypeof%20snpy%3d%3d...	✓	200	4315	HTML		
74	✓	Scanner	http://csk.blkstone.me	GET	/	rUrl=%22-%3e-%3e%60-%3e%3c...	✓	200	4315	HTML		
75	✓	Scanner	http://csk.blkstone.me	GET	/	rUrl=%7burl%7d%0d%0aBCC%3a2rnf...	✓	200	4315	HTML		
76	✓	Scanner	http://csk.blkstone.me	GET	/	rUrl=%7burl%7d%3e%0d%0aBCC%3a...	✓	200	4315	HTML		
77	✓	Extender	http://csk.blkstone.me	GET	/server-status	rUrl={url}	✓	404	144	HTML		
78	✓	Extender	http://csk.blkstone.me	GET	/git/config	rUrl={url}	✓	404	142	HTML		
79	✓	Extender	http://csk.blkstone.me	GET	/	rUrl={url}	✓	200	4315	HTML		
80	✓	Extender	http://csk.blkstone.me	POST	/	rUrl={url}	✓	404	132	HTML		
81	✓	Extender	http://csk.blkstone.me	POST	/	rUrl={url}	✓	404	132	HTML		
82	✓	Extender	http://csk.blkstone.me	GET	/	rUrl={url}	✓	200	4315	HTML		
83	✓	Extender	http://csk.blkstone.me	GET	/	rUrl=(%20%7b%20%3a%3b%7d%3b...	✓	200	4315	HTML		
84	✓	Extender	http://csk.blkstone.me	GET	/	rUrl=(%20%7b%20%3a%3b%7d%3b...	✓	200	4315	HTML		
85	✓	Extender	http://csk.blkstone.me	GET	/	rUrl=%60sleep%2011%60	✓	200	4315	HTML		
86	✓	Extender	http://csk.blkstone.me	GET	/	rUrl=%7csleep%2011%20%26%20ping...	✓	200	4315	HTML		
87	✓	Extender	http://csk.blkstone.me	GET	/	rUrl=\$(sleep%2011)	✓	200	4315	HTML		
88	✓	Extender	http://csk.blkstone.me	GET	/	rUrl=\$%7b(new%20java.io.BufferedRea...	✓	200	4315	HTML		

Raw Params Headers Hex
 GET /git/config?rUrl={url} HTTP/1.1
 Host: csk.blkstone.me:3000
 User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:56.0) Gecko/20100101 Firefox/56.0
 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
 Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2
 Accept-Encoding: gzip, deflate
 Referer: http://csk.blkstone.me:3000/
 Connection: close
 Cookie: UM_distinctid=169fc4a00b44f-0bd9863a464a59-12666d4a-144000-169fc4a00b63ee; ga=GA1.2.1042565548.1554715903; _gid=GA1.2.1049358182.1555564319; donotdecode=eyJtb2R1bGUiOiJub2RILXNlcmh6Gt6ZSJ9; connectsid=s%3A%WF%W%Y%M7S-2l%du_Ez-QXTnq59GT-J3JkP5gVw3X3bC3gX9ZXoCUJChQsKRQ6J5ziABIErphOg
 Upgrade-Insecure-Requests: 1

Raw Headers Hex HTML Render
 HTTP/1.1 404 Not Found
 X-Powered-By: Express
 Content-Security-Policy: default-src 'self'
 X-Content-Type-Options: nosniff
 Content-Type: text/html; charset=utf-8
 Content-Length: 142
 Date: Fri, 19 Apr 2019 16:29:08 GMT
 Connection: close
 <!DOCTYPE html>
 <html lang="en">
 <head>
 <meta charset="utf-8">
 <title>Error</title>
 </head>
 <body>
 <pre>Cannot GET /git/config</pre>
 </body>

记录上图时的插件情况

Burp Project Intruder Repeater Window Help
 Dashboard Target Proxy Intruder Repeater Sequencer Decoder Comparer Extender Project options User options Logger++
 Extensions BApp Store APIs Options

Burp Extensions

Extensions let you customize Burp's behavior using your own or third-party code.

Add

Remove

Up

Down

Loaded	Type	Name
<input checked="" type="checkbox"/>	Python	Active Scan++
<input type="checkbox"/>	Java	J2EEScan
<input type="checkbox"/>	Java	Backslash Powered Scanner
<input checked="" type="checkbox"/>	Java	Logger++
<input type="checkbox"/>	Java	Copy As Python-Requests
<input type="checkbox"/>	Java	LogRequestsToSQLite
<input type="checkbox"/>	Java	JSON Beautifier
<input type="checkbox"/>	Java	CO2
<input type="checkbox"/>	Java	Turbo Intruder
<input type="checkbox"/>	Python	SQLiPy Sqlmap Integration
<input type="checkbox"/>	Python	Intruder Time Payloads
<input type="checkbox"/>	Python	Random JSESSIONID Generator
<input type="checkbox"/>	Python	Unix timestamp Intruder Generator
<input type="checkbox"/>	Java	reCAPTCHA v0.8 by bit4
<input type="checkbox"/>	Java	CVSS Calculator
<input type="checkbox"/>	Java	Knife v0.8 by bit4woo
<input type="checkbox"/>	Java	Chunked coding converter 0.1
<input type="checkbox"/>	Java	Image Location & Privacy Scanner
<input type="checkbox"/>	Java	Java Deserialization Scanner
<input type="checkbox"/>	Python	Intelligent analysis
<input type="checkbox"/>	Python	Burp Collector

Details Output Errors

☒ Extension loaded

Name: Active Scan++

Item	Detail
Extension type	Python
Filename	bapps\3123d5b5f25c4128894d97ea1acc4976\activeScan++.py



基于正则表达式的简易流量分析

过滤器也是 Logger++ 中一个很方便的功能。笔者通常会使用这个功能，来寻找一些敏感信息泄露和潜在的漏洞请求（这里提供的规则并不是 100% 能确定漏洞的，只是作为一个辅助手段，还需要进一步手工验证）。在该工具的 Filter Library 里也有几个不错的过滤器示例可以参考。

关于过滤器支持的其他字段可以在 Logger++ 的项目 wiki 里查到，链接如下

<https://github.com/nccgroup/BurpSuiteLoggerPlusPlus/wiki/Filter-Fields>

这里提供一些过滤器的示例作为抛砖引玉

信息泄露 (内网 IP) 规则 #1

Internal IP Address

```
RESPONSE == /(10(\.(25[0-5]|2[0-4][0-9]|1[0-9]{1,2}|[0-9]{1,2})){3}|((172\.(1[6-9]|2[0-9]|3[01]))|192\.(168)|\.(25[0-5]|2[0-4][0-9]|1[0-9]{1,2}|[0-9]{1,2})){2})/
```



Filter: RESPONSE == /(10(\.(25[0-5]|2[0-4][0-9]|1[0-9]{1,2}|[0-9]{1,2})){3}(((172\.(1[6-9]|2[0-9]|3[01]))|192\.168\.(1|2|3|4))|(10\.(2|3|4|5|6|7|8|9))|0\.(0|1|2|3|4|5|6|7|8|9)))/ Saved Filters Colorize Clear Log

#	Complete	Tool	Host	Method	Path	Query	Params
7	<input checked="" type="checkbox"/>	Proxy	http://wp.blkstone.me	GET	/test2019_3.php		<input type="checkbox"/>
208	<input checked="" type="checkbox"/>	Proxy	http://wp.blkstone.me	GET	/test2019_3.php		<input type="checkbox"/>
210	<input checked="" type="checkbox"/>	Proxy	http://wp.blkstone.me	GET	/test2019_3.php		<input type="checkbox"/>

Raw Params Headers Hex

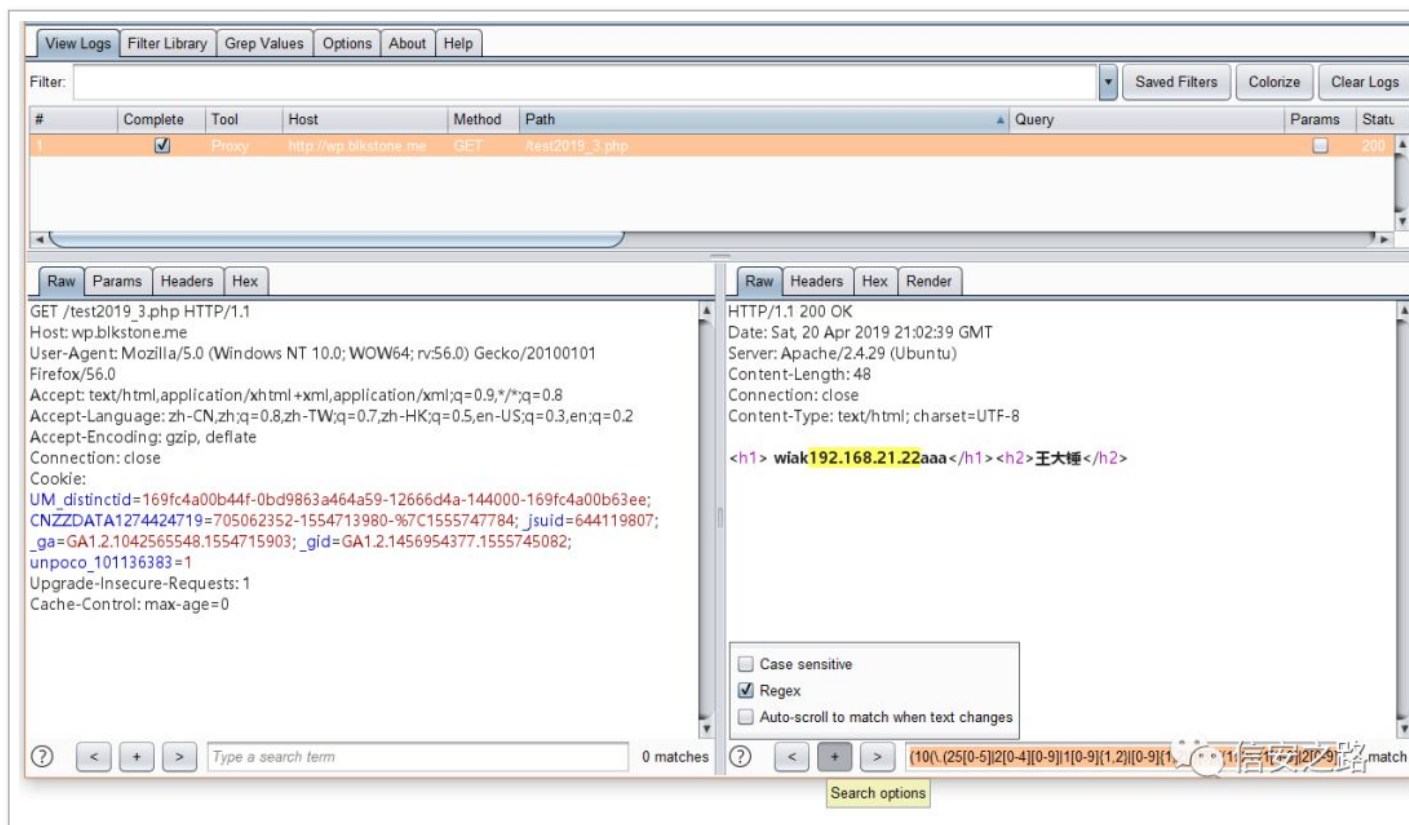
GET /test2019_3.php HTTP/1.1
Host: wp.blkstone.me
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:56.0) Gecko/20100101 Firefox/56.0
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language:
zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.

Raw Headers Hex Render

HTTP/1.1 200 OK
Date: Fri, 19 Apr 2019 17:12:00 GMT
Server: Apache/2.4.29 (Ubuntu)
Content-Length: 48
Connection: close
Content-Type: text/html; charset=UTF-8

<h1> wiak192.168.21.22aaa</h1><h1>信安之路

如果你需要确定具体匹配的值，可以在 Message Editor 里用正则表达式搜索。



也可以使用 Grep Values 标签来汇总所有请求中符合过滤器筛选内容的字符串值。

Burp Project Intruder Repeater Window Logger++ Help Log Requests to SQLite
 Dashboard Target Proxy Intruder Repeater Sequencer Decoder Comparer Extender Project options User options JSON Beautifier **Logger++**
 View Logs Filter Library **Grep Values** Options About Help

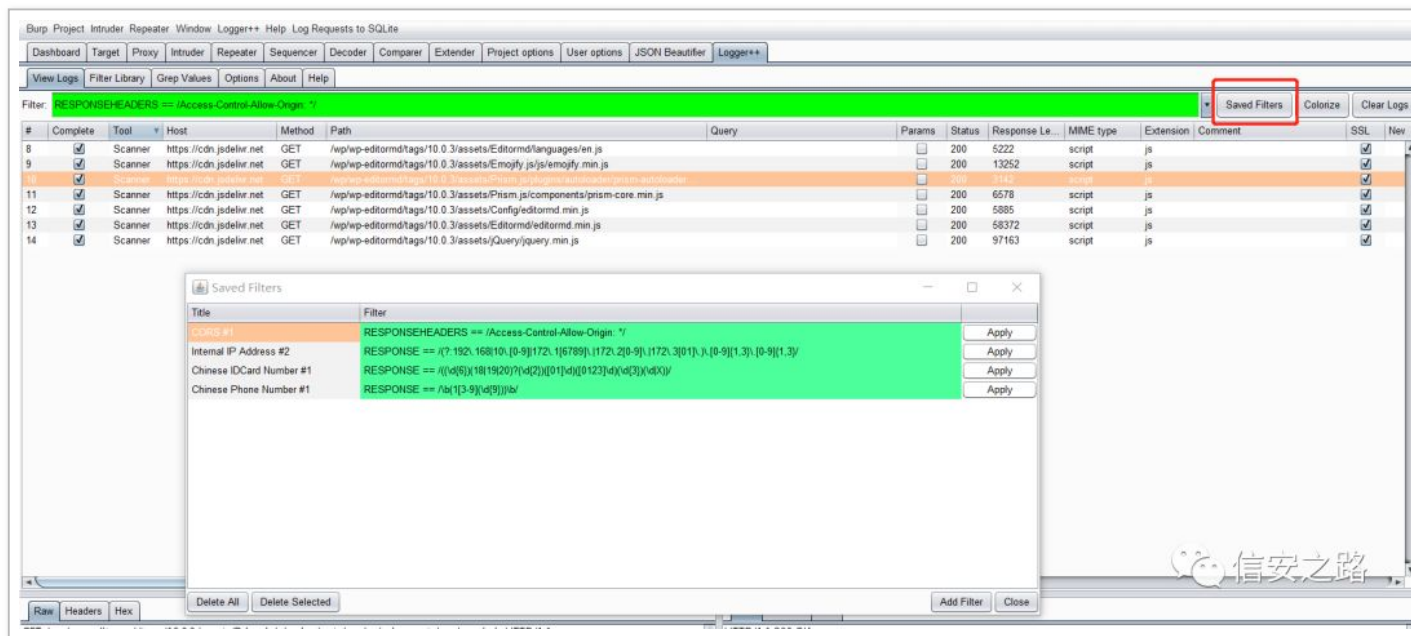
Regex: `(10\.(25[0-5]|2[0-4]|1[0-9]|1[0-9]{1,2})|3[0-9]{1,2})|((172\.(1[6-9]|2[0-9]|3[01]))|192\.168\.(25[0-5]|2[0-4]|1[0-9]|1[0-9]{1,2})|3[0-9]{1,2}))`

Results Unique Values

Entry	Matches	All Groups	Group 1 Value	Group 2 Value	Group 3 Value	Group 4 Value
▼ https://aus5.mozilla.org:443/update/3/GMP/66.0... 1						
REQUEST	1	10.0.0.0	10.0.0.0	.0	0	
▼ https://aus5.mozilla.org:443/update/6/Firefox/66... 1						
REQUEST	1	10.0.0.0	10.0.0.0	.0	0	
▼ https://aus5.mozilla.org:443/update/3/SystemAd... 1						
REQUEST	1	10.0.0.0	10.0.0.0	.0	0	
▼ https://blocklists.settings.services.mozilla.com:... 7						
RESPONSE		10.18.10.39	10.18.10.39	.39	39	
RESPONSE		10.18.10.39	10.18.10.39	.39	39	
RESPONSE		10.18.10.39	10.18.10.39	.39	39	
RESPONSE		10.18.10.39	10.18.10.39	.39	39	
RESPONSE		10.18.10.39	10.18.10.39	.39	39	
RESPONSE		10.18.10.39	10.18.10.39	.39	39	
RESPONSE		10.18.10.39	10.18.10.39	.39	39	
▼ http://wp.bikstone.me:80/test2019_3.php 1						
RESPONSE	1	192.168.21.22	192.168.21.22			

信安之路

如果要新增自定义过滤器，只要点击 Saved Filters，然后点击 Add Filter 即可，另外在 Options 选项卡中可以批量导入 / 导出过滤器设置。



信息泄露 (身份证号) #2

```
RESPONSE == /(^[0-9]{18}$)/
```

信息泄露 (电子邮件) #3

匹配所有邮箱

```
RESPONSE == /(^[A-Za-z0-9_\-\.]+@([A-Za-z0-9_\-\.]+)\.([A-Za-z]{2,4}))$/
```

匹配特定邮箱

```
RESPONSE == /(^[A-Za-z0-9_\-\.]+@test.com)$/
```

模糊关键字匹配邮箱

```
RESPONSE == /(([A-Za-z0-9_-\.\.])+ \@([A-Za-z0-9_-\.\.])+ \.([A-Za-z]{2,4}))/
```

DashboardTargetProxyIntruderRepeaterSequencerDecoderComparerExtenderProject optionsUser optionsLogger++

View LogsFilter LibraryGrep ValuesOptionsAboutHelp

Regex: (([A-Za-z0-9_-\.\.])+ \@([A-Za-z0-9_-\.\.])+ \.([A-Za-z]{2,4})))

☒ In Scope Only

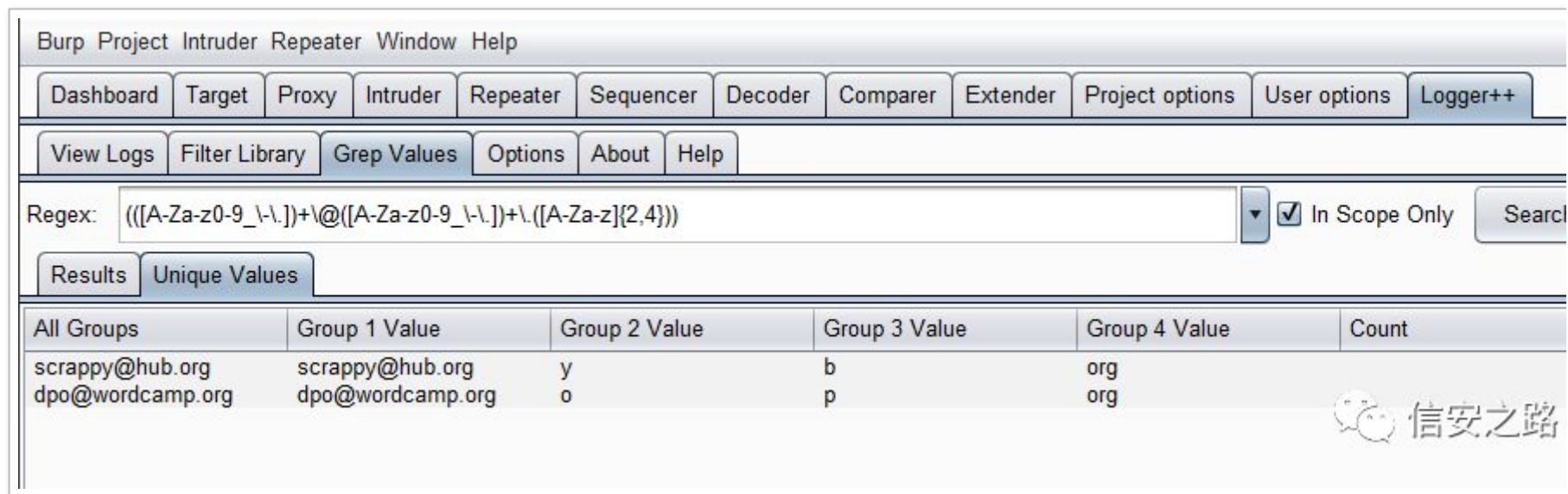
Search

ResultsUnique Values

Entry	Matches	All Groups	Group 1 Value	Group 2 Value
▶ https://cn.wordpress.org:443/news/	2			
▶ https://cn.wordpress.org:443/news/	2			
▶ https://cn.wordpress.org:443/news/	2			
▶ https://cn.wordpress.org:443/news/	2			
▶ https://cn.wordpress.org:443/about/privacy/	1			
▶ https://cn.wordpress.org:443/about/privacy/	1			
▶ https://cn.wordpress.org:443/about/privacy/	1			
▼ https://cn.wordpress.org:443/about/privacy/	1			
RESPONSE		dpo@wordcamp....	dpo@wordcamp.org	o
▶ https://cn.wordpress.org:443/news/	2			
▶ https://cn.wordpress.org:443/category/releases/	2			
▶ https://cn.wordpress.org:443/news/	2			
▶ https://cn.wordpress.org:443/news/	2			
▶ https://cn.wordpress.org:443/news/	2			
▶ https://cn.wordpress.org:443/category/releases/	2			
▶ https://cn.wordpress.org:443/category/releases/	2			
▶ https://cn.wordpress.org:443/category/releases/	2			
▶ https://cn.wordpress.org:443/category/releases/	2			
▶ https://cn.wordpress.org:443/news/	2			
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▶ https://cn.wordpress.org:443/news/	2			
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▶ https://cn.wordpress.org:443/news/	2			
▶ https://cn.wordpress.org:443/news/	2			
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▶ https://cn.wordpress.org:443/news/	2			
▼ https://cn.wordpress.org:443/news/	2			
RESPONSE		scrappy@hub.org	scrappy@hub.org	y
RESPONSE		scrappy@hub.org	scrappy@hub.org	y
▼ https://cn.wordpress.org:443/news/	2			
RESPONSE		scrappy@hub.org	scrappy@hub.org	y
RESPONSE		scrappy@hub.org	scrappy@hub.org	

对结果进行去重



潜在的 CORS 配置不当 #4

```
RESPONSEHEADERS == /Access-Control-Allow-Origin: null/
```

```
RESPONSEHEADERS == /Access-Control-Allow-Origin: \*/
```

寻找潜在的 SSRF / 开放重定向 #5

开放重定向

根据响应头

```
ResponseHeaders == /(Location)/
```

根据参数名称

```
QUERY == /(url(.*)=)/ || REQUEST == /(url(.*)=)/  
  
QUERY == /(uri(.*)=)/ || REQUEST == /(uri(.*)=)/  
  
QUERY == /(path(.*)=)/ || REQUEST == /(path(.*)=)/  
  
QUERY == /(href(.*)=)/ || REQUEST == /(href(.*)=)/  
  
QUERY == /(redirect(.*)=)/ || REQUEST == /(redirect(.*)=)/
```

寻找参数中的图片

```
QUERY == /(img(.*)=)/ || REQUEST == /(img(.*)=)/  
  
QUERY == /(pic(.*)=)/ || REQUEST == /(pic(.*)=)/  
  
QUERY == /(\\.png)/ || REQUEST == /(\\.png)/  
  
QUERY == /(\\.jpg)/ || REQUEST == /(\\.jpg)/  
  
QUERY == /(\\.gif)/ || REQUEST == /(\\.gif)/
```

寻找潜在的 JSONP 调用 #6

基于参数

```
REQUEST == /(callback(.*)=)/ || QUERY == /(callback(.*)=)/
```


基于响应特征

```
RESPONSE == /(.\+\([\(.*)\]\))/ && RESPONSEHEADERS == /application\/json/
```

寻找潜在的越权漏洞 #7

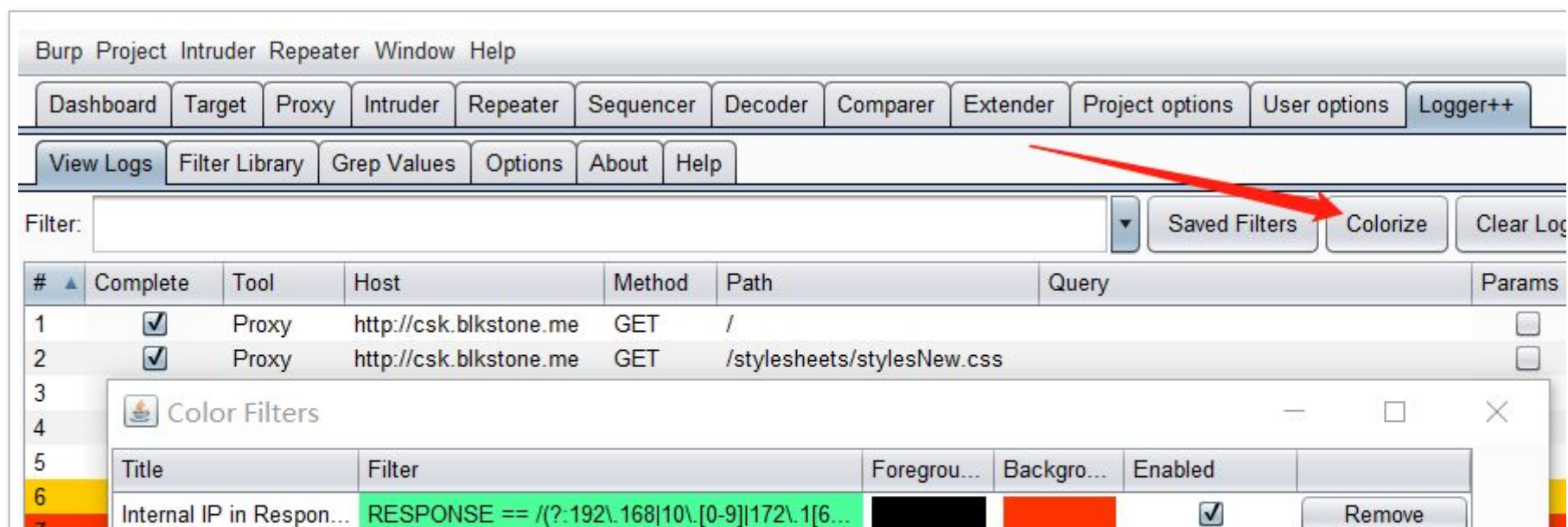
```
REQUEST == /(id(.*)=)/ || QUERY == /(id(.*)=)/
```

着色过滤器 (color filter)

举一个 内网 IP 泄露检测规则 和 身份证号检测规则 配置的例子

Logger++ => View Logs => Colorize

着色过滤器配置也可以在 Options 中配置批量导入 / 导出。



8 IDCard Number RESPONSE == /(\\d{6})(18|19|20)?(\\d{2})([01]\\... Remove

9

10

11

12

13

14

15

16

17

18

19

20

21

Raw

GET
/?rUrl=
%20%7 Delete All Add Filter Close

Host: csk.bikstone.me:3000
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:56.0)
Gecko/20100101 Firefox/56.0
Accept:

Cache-Control: public, max-age=0
Last-Modified: Mon, 27 Nov 2017 04:08:58 GMT
ETag: W/"10db-15ffba9eb90"
Content-Type: text/html; charset=UTF-8

信安之路

着色效果如下

Burp Project Intruder Repeater Window Help

Dashboard Target Proxy Intruder Repeater Sequencer Decoder Comparer Extender Project options User options Logger++

View Logs Filter Library Grep Values Options About Help

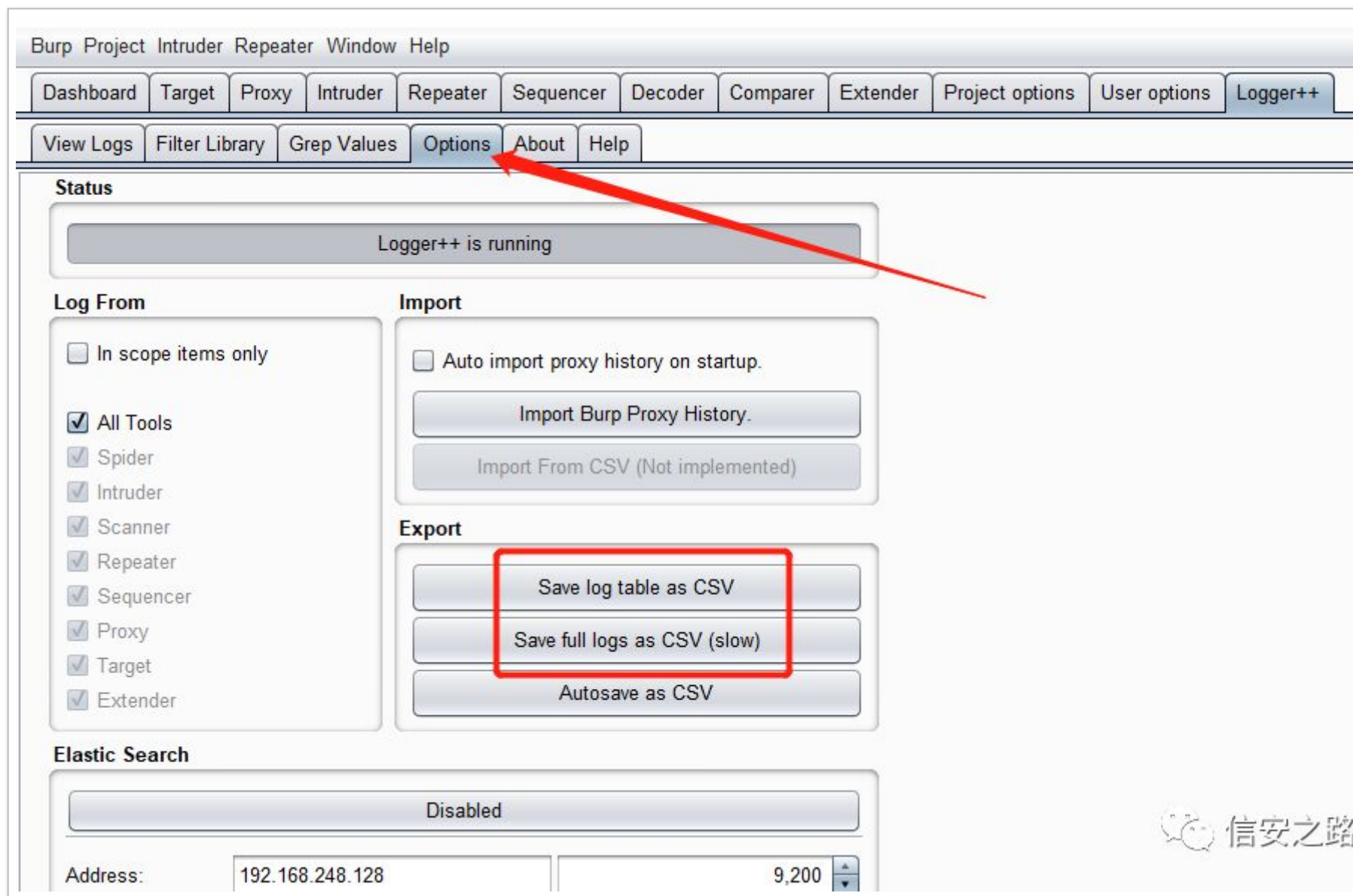
Filter: Saved Filters Colorize Clear Log

#	Complete	Tool	Host	Method	Path	Query	Params
1	<input checked="" type="checkbox"/>	Proxy	http://csk.blkstone.me	GET	/		<input type="checkbox"/>
2	<input checked="" type="checkbox"/>	Proxy	http://csk.blkstone.me	GET	/stylesheets/stylesNew.css		<input type="checkbox"/>
3	<input checked="" type="checkbox"/>	Proxy	http://csk.blkstone.me	GET	/pics/logo2.png		<input type="checkbox"/>
4	<input checked="" type="checkbox"/>	Proxy	https://safebrowsing.g...	GET	/v4/threatListUpdates:fetch	\$ct=application/x-protobuf&key=AlzaS...	<input checked="" type="checkbox"/>
5	<input checked="" type="checkbox"/>	Proxy	http://wp.blkstone.me	GET	/test2019_1.php		<input type="checkbox"/>
6	<input checked="" type="checkbox"/>	Proxy	http://wp.blkstone.me	GET	/test2019_2.php		<input type="checkbox"/>
7	<input checked="" type="checkbox"/>	Proxy	http://wp.blkstone.me	GET	/test2019_3.php		<input type="checkbox"/>
8	<input checked="" type="checkbox"/>	Proxy	http://csk.blkstone.me	GET	/changePW		<input type="checkbox"/>
9	<input checked="" type="checkbox"/>	Proxy	http://csk.blkstone.me	GET	/	rUrl={url}	<input checked="" type="checkbox"/>
10	<input checked="" type="checkbox"/>	Proxy	http://csk.blkstone.me	GET	/stylesheets/stylesNew.css		<input type="checkbox"/>
11	<input checked="" type="checkbox"/>	Proxy	http://csk.blkstone.me	GET	/pics/logo2.png		<input type="checkbox"/>
12	<input checked="" type="checkbox"/>	Proxy	http://csk.blkstone.me	GET	/api/tickets/ticket		<input type="checkbox"/>
13	<input checked="" type="checkbox"/>	Proxy	http://csk.blkstone.me	GET	/xss		<input type="checkbox"/>
14	<input checked="" type="checkbox"/>	Proxy	http://csk.blkstone.me	GET	/stylesheets/stylesNew.css		<input type="checkbox"/>
15	<input checked="" type="checkbox"/>	Proxy	http://csk.blkstone.me	GET	/pics/logo2.png		<input type="checkbox"/>
16	<input checked="" type="checkbox"/>	Proxy	http://csk.blkstone.me	GET	/chatchannel/1		<input type="checkbox"/>
17	<input checked="" type="checkbox"/>	Scanner	http://csk.blkstone.me	GET	/	rUrl=(select%20extractvalue(xmltype('...	<input checked="" type="checkbox"/>
18	<input checked="" type="checkbox"/>	Scanner	http://csk.blkstone.me	GET	/	rUrl=%7burl%7d%22%7cecho%20if1kpkure6%20rq1yl8xoye	<input checked="" type="checkbox"/>
19	<input checked="" type="checkbox"/>	Scanner	http://csk.blkstone.me	GET	/	rUrl=%7burl%7d%3bdeclare%20@q%2...	<input checked="" type="checkbox"/>
20	<input checked="" type="checkbox"/>	Scanner	http://csk.blkstone.me	GET	/	rUrl=%7burl%7d%3bdeclare%20@q%...	<input checked="" type="checkbox"/>
21	<input checked="" type="checkbox"/>	Scanner	http://csk.blkstone.me	GET	/	rUrl=%7burl%7d)%3bdeclare%20@q%...	<input checked="" type="checkbox"/>

Raw	Params	Headers	Hex	Raw	Headers	Hex	HTML	Render
GET /?rUrl=%7burl%7d%22%7cecho%20if1kpkure6%20rq1yl8xoye%20%7c%7c HTTP/1.1 Host: csk.blkstone.me:3000 User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:56.0) Gecko/20100101 Firefox/56.0 Accept:				HTTP/1.1 200 OK X-Powered-By: Express Accept-Ranges: bytes Cache-Control: public, max-age=0 Last-Modified: Mon, 27 Nov 2017 04:08:58 ETag: W/"10db-15ffba9eb90" Content-Type: text/html; charset=UTF-8				

记录流量日志

Logger++ => Options => Export => Save log table as csv.



结语

充分利用 Logger++ 插件的过滤器，能帮助你在海量 HTTP 请求中更方便快捷地定位到某些脆弱的 HTTP 请求。如果你有其他不错的过滤器规则，也欢迎在下面留言。

参考资料

BurpSuiteLoggerPlusPlus Wiki

<https://github.com/nccgroup/BurpSuiteLoggerPlusPlus/wiki>

Logger++ 示例过滤器

<https://github.com/nccgroup/BurpSuiteLoggerPlusPlus/wiki/Example-Filters>

Burp Suite 存储日志分析

<https://zhuanlan.zhihu.com/p/28284124>

Burp Suite 神器的日志存储

<https://zhuanlan.zhihu.com/p/28231222>

经验分享 Burpsuite 插件的使用

<https://cloud.tencent.com/developer/article/1015187>

