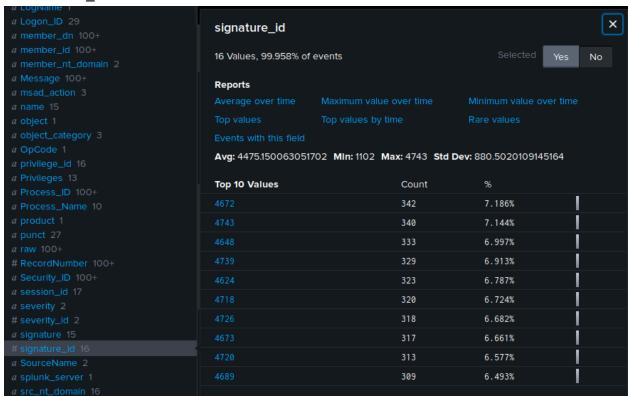


Project 3 Splunk Analysis

Make a copy of this document before you begin. Place your answers below each question.

Splunk Analysis File

PART 1 SIGNATURE ID



a OpCode 1 a privilege_id 16 a Privileges 13 a Process_ID 100+ a Process_Name 10 a product 1 a punct 27 a raw 100+ # RecordNumber 100+ a Security_ID 100+	signature 15 Values, 99.937% of events Reports	Sele	ected Yes	X ,
	Top values Top values by time Events with this field			
a session_id 17 a severity 2	Top 10 Values Special privileges assigned to new logon	Count 342	7.188%	1
# severity_id 2 a signature 15		340	7.146%	i į
# signature_id 16	A logon was attempted using explicit credentials	333	6.999%	
a SourceName 2	Domain Policy was changed	329	6.915%	1
 a splunk_server 1 a src_nt_domain 16 a src_user 15 a src_user_watchlist 1 	An account was successfully logged on	323	6.788%	1
	System security access was removed from an account	320	6.726%	1
a status 3		318	6.683%	1
a subject 16 a ta_windows_action 1	A privileged service was called	317	6.662%	T
a ta_windows_security_CategoryStrin	A user account was created	313	6.578%	T
g 2	A process has exited	309	6.494%	T
a tag 20	ACCOUNT HOMAIN.	DOM910		

USER

USER						
a status 3		nost – mojecto	source - William	ws_server_rogs.cs	y sourcetype	
a subject 16						
a ta_windows_action 1	user				×	
a ta_windows_security_CategoryStrin	\$400 \/slv 00 070	0/		Selected		
g 2 a tag 20	>100 Values, 99.979% of events			Selected Yes No		
a tag_action 2	Reports					
a tag_eventtype 17 a TaskCategory 8	Top values	Top values by time		Rare values		
	Events with this field				9	
a time 100+	Events with this field					
a timeendpos 4	Top 10 Values	С	Count	%		
a timestartpos 3 a Type 1		3	53	7.416%		
a user 100+		2	82	5.924%		
a user_watchlist 1 a vendor 1 a vendor_privilege 14 109 more fields + Extract New Fields		2	75	5.777%	i	
		2	71	5.693%		
		2	70	5.672%		
		2	69	5.651%		
		2	69	5.651%		
		2	67	5.609%		
		2	64	5.546%		
		2	63	5.525%		

STATUS



SEVERITY

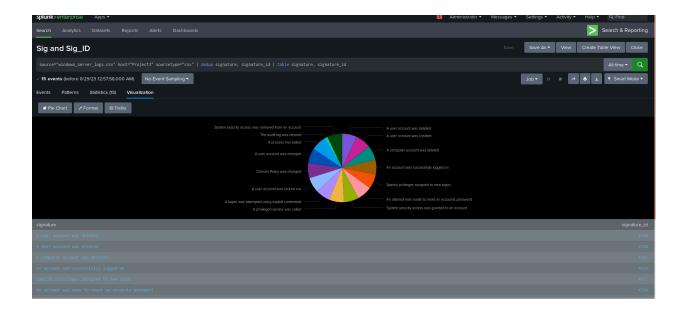


PART 2

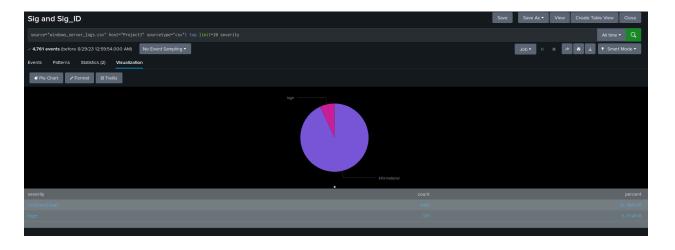
REPORT 1

source="windows_server_attack_logs.csv" host="Linux_Server" sourcetype="csv" | dedup signature, signature_id | table signature_id

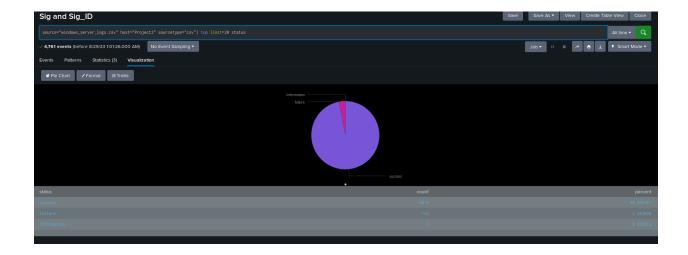




REPORT 2



REPORT 3



ALERTS

Alert-Fail- Activities



SECOND ALERT Successful logins

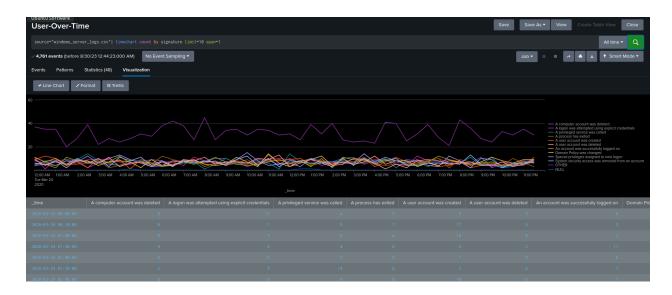


THIRD ALERT Account deletion

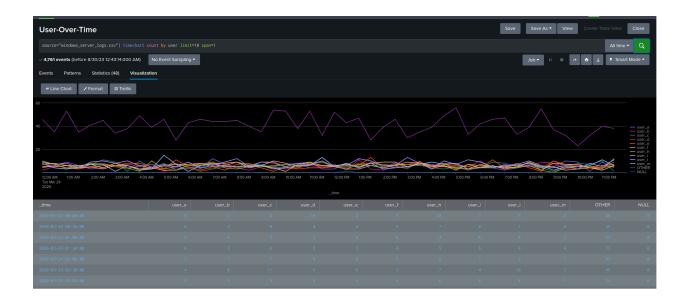


Dashboard

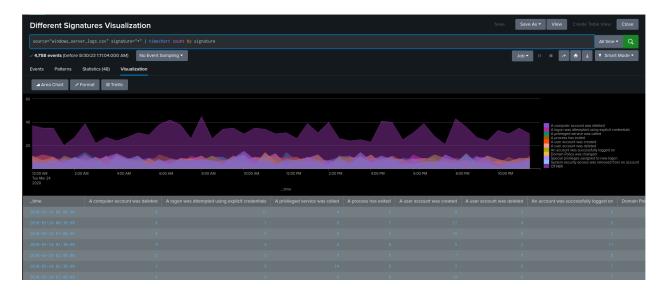
By Signature over time



By User over time



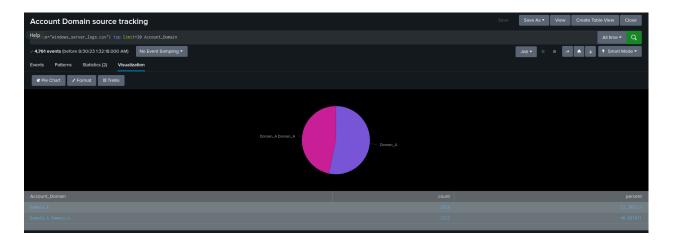
Count by different signatures



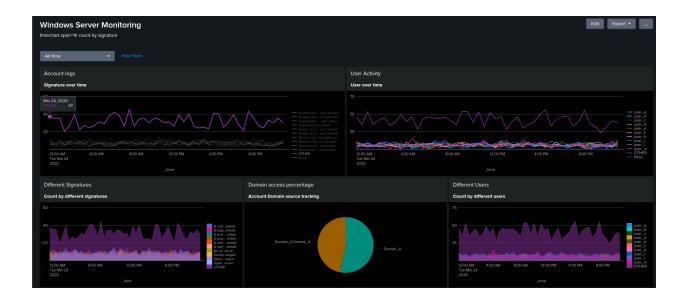
Count by different users



Account Domain source tracking



Dashboard



PART 3

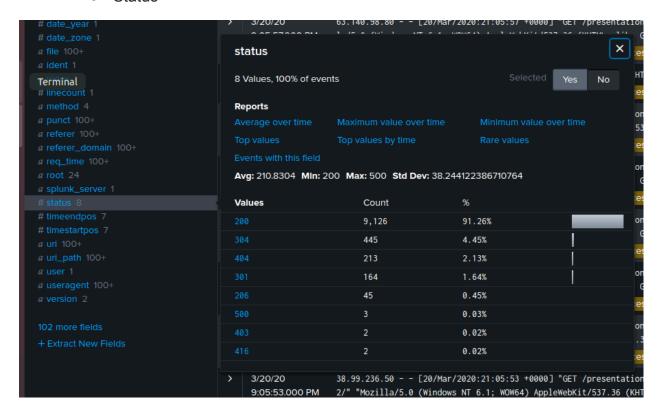
Method



o Referer_domain



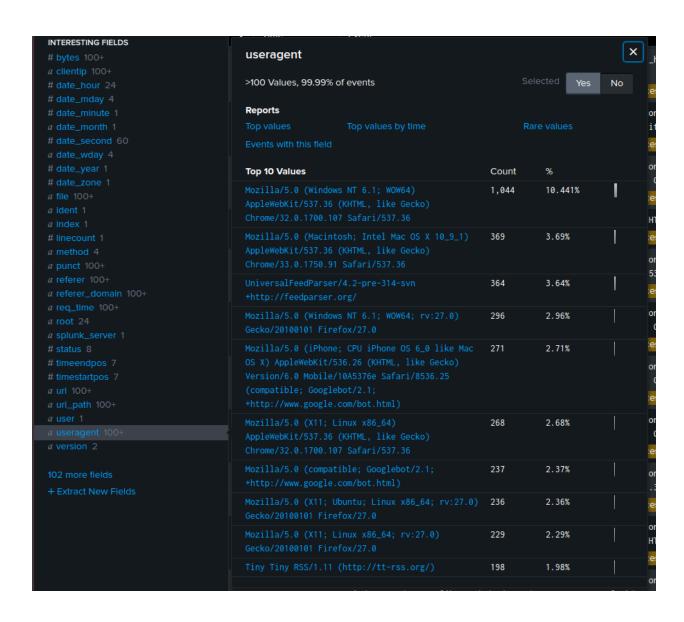
Status



o Clientip

INTERESTING FIELDS	clientip			×		
# bytes 100+	>100 Values, 100% o	f events	Selected Yes	s No _he		
a clientip 100+	Reports		_			
# date_hour 24 # date_mday 4		Top values Top values by time		es		
# date_moute 1 a date_month 1	Events with this field			Rare values or it		
# date_second 60	Top 10 Values	Count	%	es		
<pre>a date_wday 4 # date_year 1</pre>		482	4.82%	on:		
# date_year 1		364	3.64%	Ge		
a file 100+	130.237.218.86	357	3.57%	es		
a ident 1 a index 1	75.97.9.59	273	2.73%	НТ		
# linecount 1		113	1.13%	es		
	209.85.238.199	102	1.02%	on:		
a punct 100+ a referer 100+	68.180.224.225	99	0.99%	53		
a referer_domain 100+	208.115.111.72	83	0.83%	es		
a req_time 100+	198.46.149.143	82	0.82%	on:		
a root 24	100.43.83.137	79	0.79%	Ge		
a splunk_server 1# status 8				es		

o Useragent

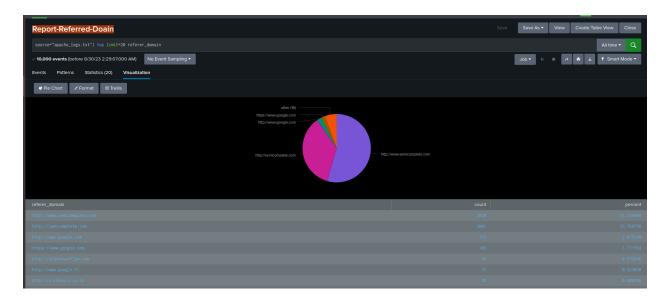


PART 4

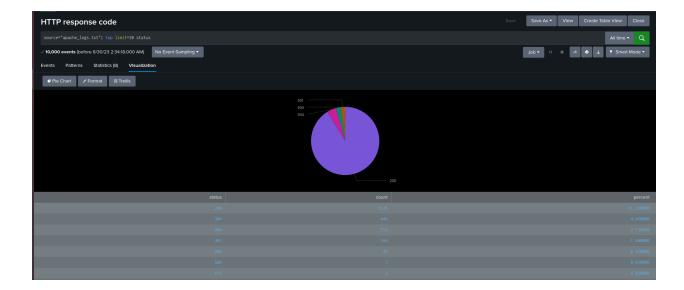
a. HTTP methods (GET, POST, HEAD, etc.).



Report-Referred-DOMAIN



a. HTTP response code



ALERTS

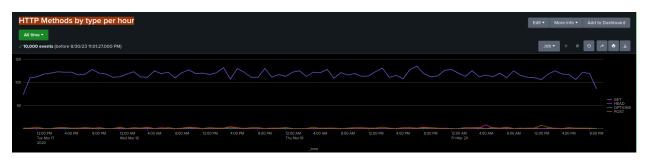
France-IP-Access



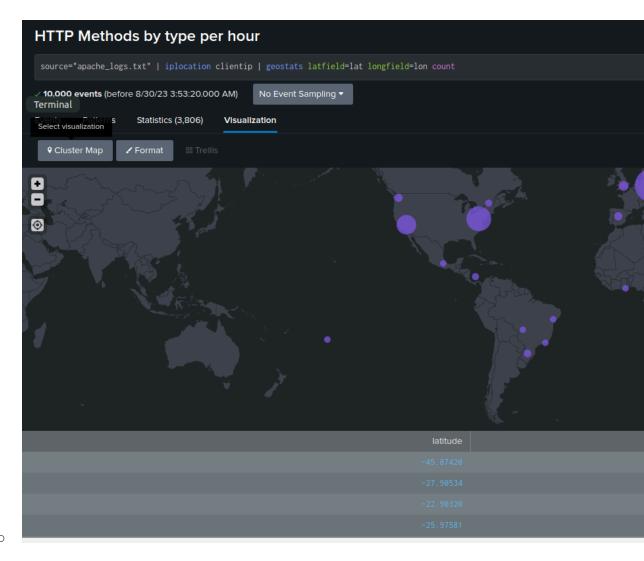
Alert-POST-Method



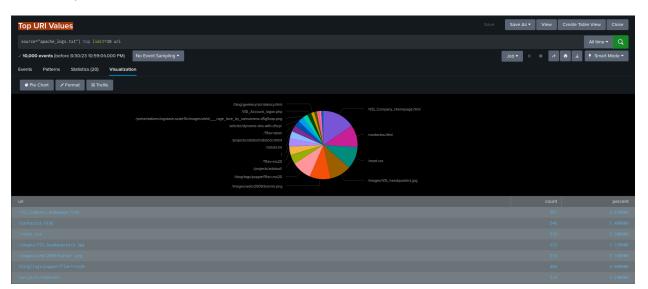
- Visualizations and dashboards
- 2. HTTP Methods by type per hour



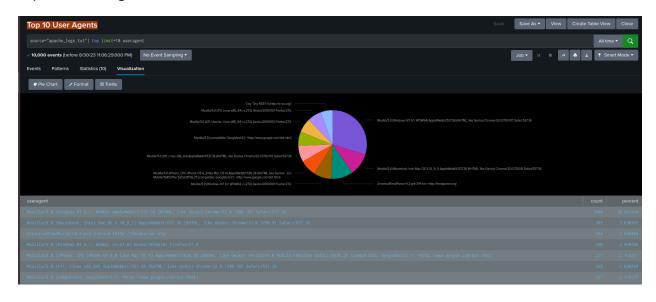
a. geographical map showing the location based on the "clientip" field



2. Top URI Values



Top 10 User Agents



SPLUNK DAY 2

TOP SEVERITY-LOGS



TOP SEVERITY- ATTACKS



Did you detect any suspicious changes in severity?

Info- We see a change of 13 percent in decrease from 93% to 80%

Level High- We see a change of 13 percent increase from 7% to 20%

Based on this information it suggests there are suspicious changes in severity.

Alert Analysis for Failed Windows Activity

LOGS



Attack logs



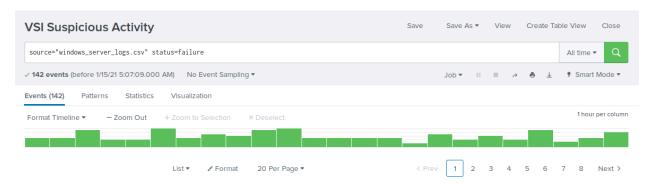
Did you detect any suspicious changes in failed activities?

Success: Notice a 1% increase from 97% to 98%.

Failure: Notice a decrease of 1% from 3% to 2%.

Based on these results we see no major changes in failed activities.

Log Failures



Attack logs



S

Did you detect a suspicious volume of failed activity?

There was potential for a suspicious volume of failed activity at 8:00 a.m. on Wednesday, March 25th.

If so, what was the count of events in the hour(s) it occurred?

The count of activity was 35 events during this hour.

When did it occur?

8:00 a.m. on Wednesday, March 25th.

Would your alert be triggered for this activity?

Yes, the alert is within the trigger threshold.

After reviewing, would you change your threshold from what you previously selected?

No change in threshold necessary.

Alert Analysis Successful logins

Logs



Attack Logs



Did you detect a suspicious volume of successful logons?

There was potential for suspicious activity at 11:00 a.m. and 12:00 p.m. on Wednesday, March 25th.

If so, what was the count of events in the hour(s) it occurred?

The count of activity is 196 events at 11:00 a.m. and 77 events at 12:00 p.m.

Who is the primary user logging in?

The primary user logging in was user_j.

When did it occur?

The suspicious activities occurred at 11:00 a.m. and 12:00 p.m. on Wednesday, March 25th.

Would your alert be triggered for this activity?

Yes, the alert is within the trigger threshold.

After reviewing, would you change your threshold from what you previously selected?

No change in threshold necessary.

Alert Analysis for Deleted Accounts.

Splunk: Building a Secure Monitoring Solution (Part 1) - DEV Community

Splunk: Building a Secure Monitoring Solution (Part 2) - DEV Community