

“From bits to information”

Introduction to Splunk

Industry 1.0

Industry 1.0
Mechanization
(1760-1820)

Industry 2.0
Electrification
(1870-1914)

Industry 3.0
Automation
(20th Century)

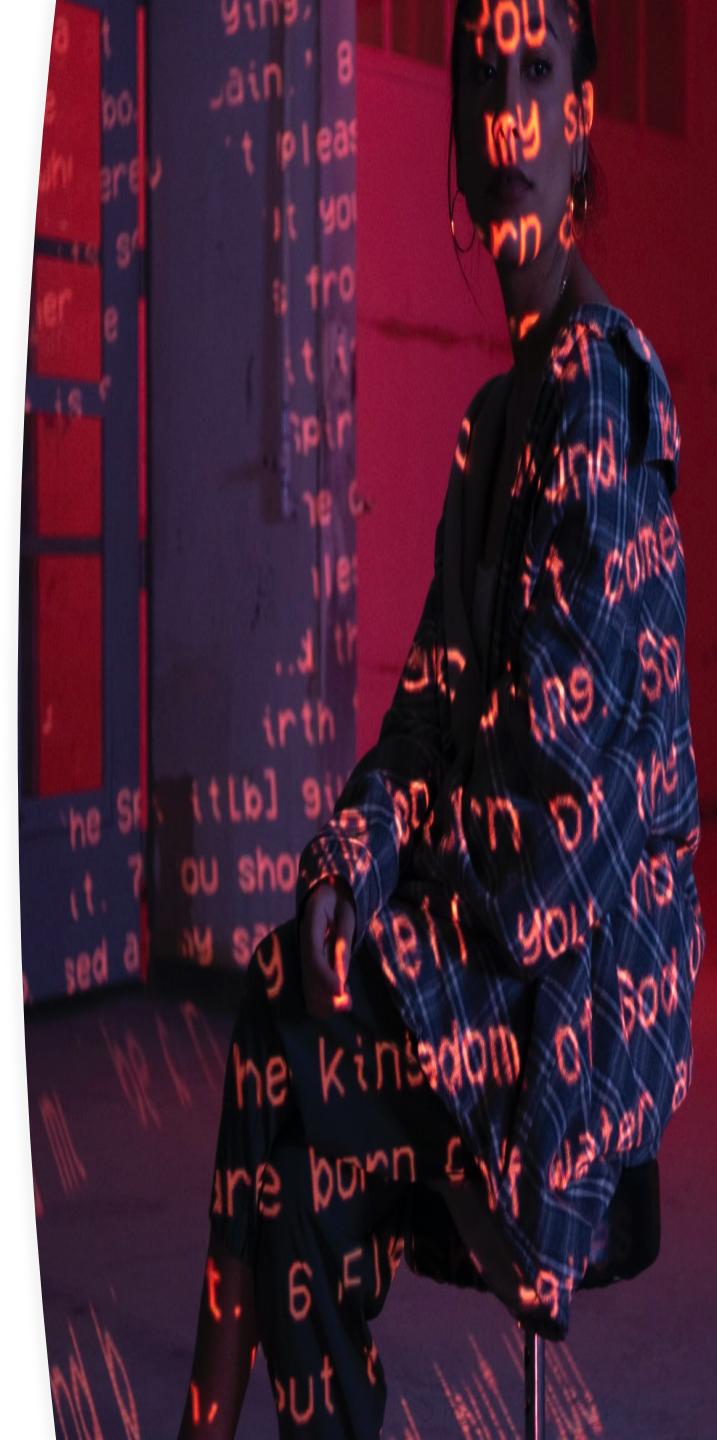
Industry 4.0
Digitization
(21st Century)

Steam-power or
water-powered
engines

Railways,
factories,
telegram

Electronics,
Electrical
generator, CPU,
Internet, Web

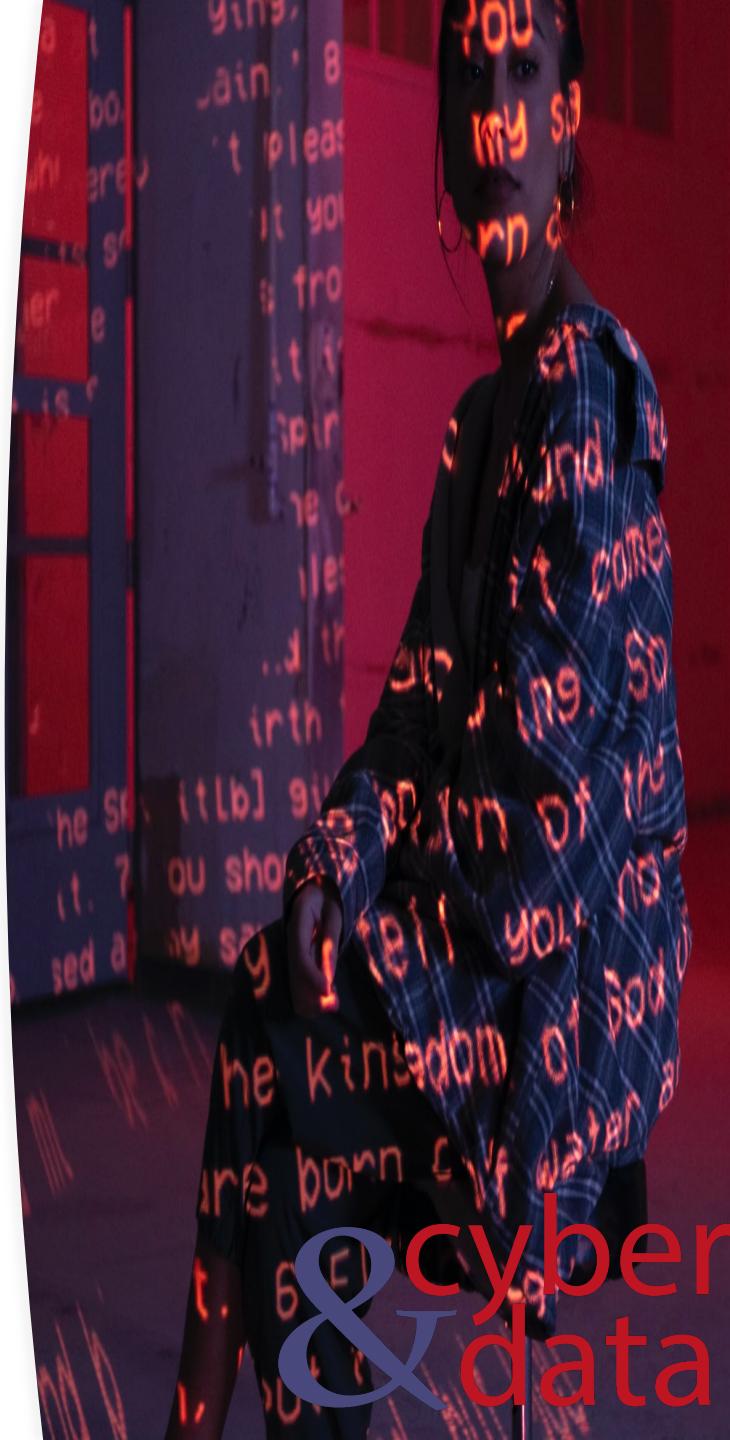
Virtualization, AI,
Cyberphysical, IoT



6vs and 6Cs

Industry 4.0 brings:

- 6 Cs: **Connection** (sensor and networks); **Cloud** (computing and data on demand); **Cyber** (model and memory); **Content/context** (meaning and correlation); **Community** (sharing and collaboration); and **Customization** (personalization and value).
 - 6 Vs: **Volume**; **Velocity**; **Variety**; **Variability**; **Veracity**; and **Value**.



Outline

- Why use Splunk?
- Application of Splunk.



cyber
& data

Outline



cyber & data

“From bits to information”

Directed Graphs and Cyber Threats

Why? PCI

Build and Maintain and Secure Network
Firewall. System passwords.

Protect Cardholder Data
Stored cardholder data. Encrypt data.

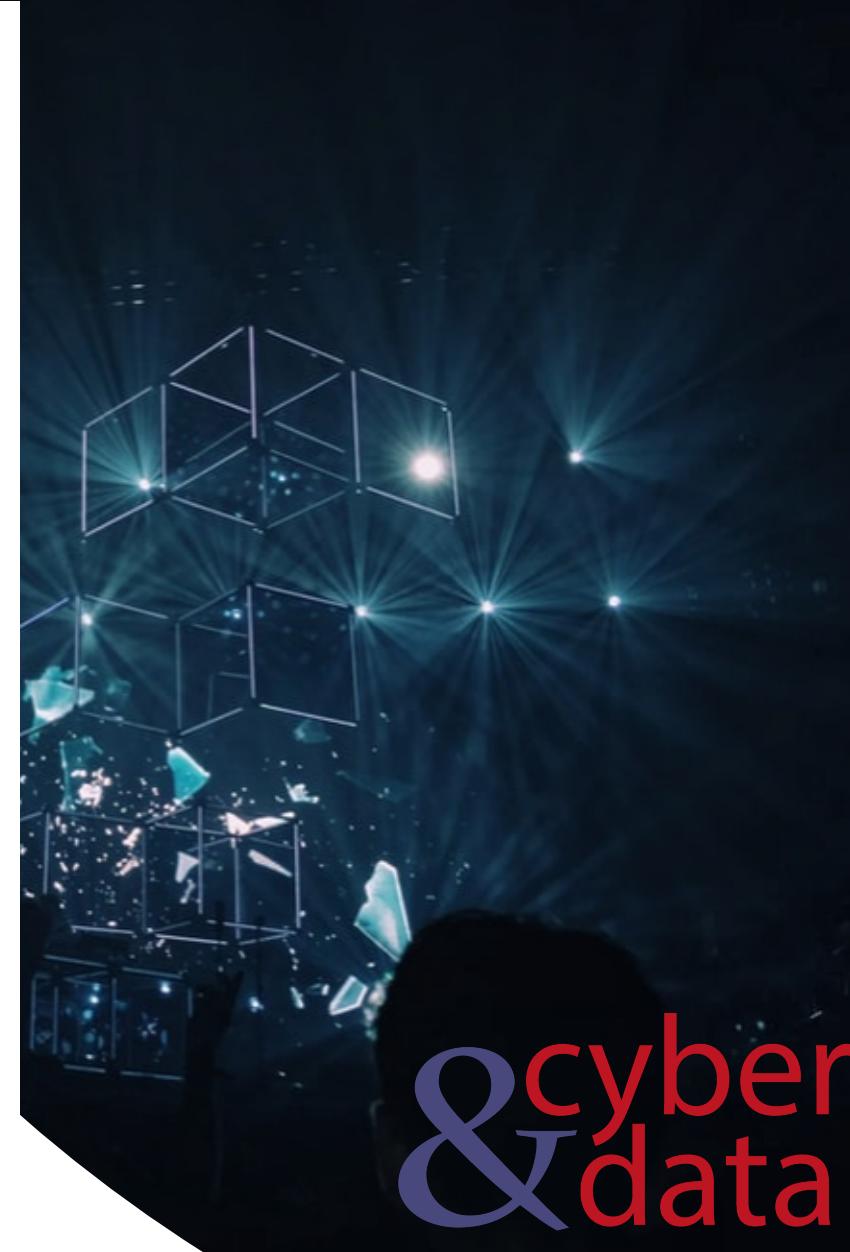
Monitor and Test Networks
Track/monitor accesses. Perform security tests.



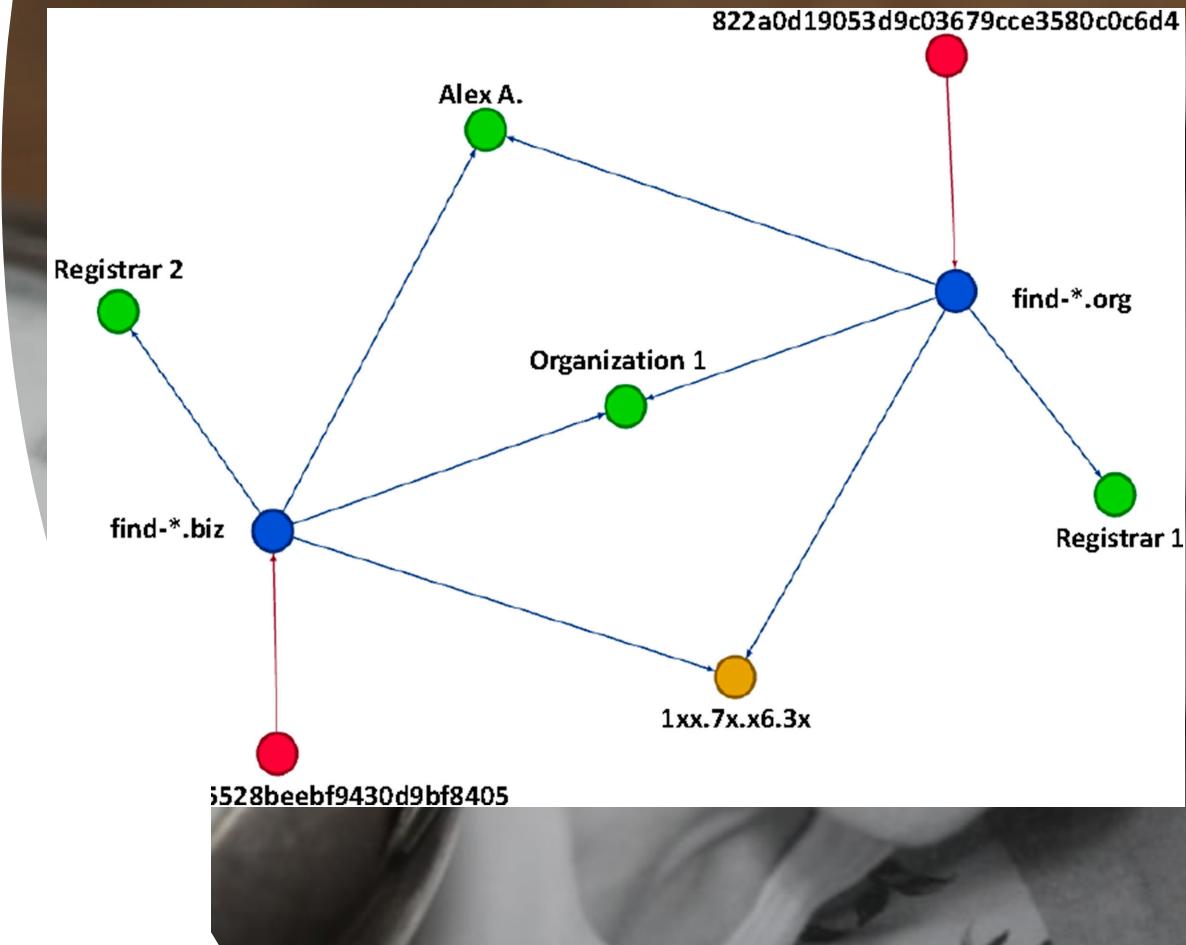
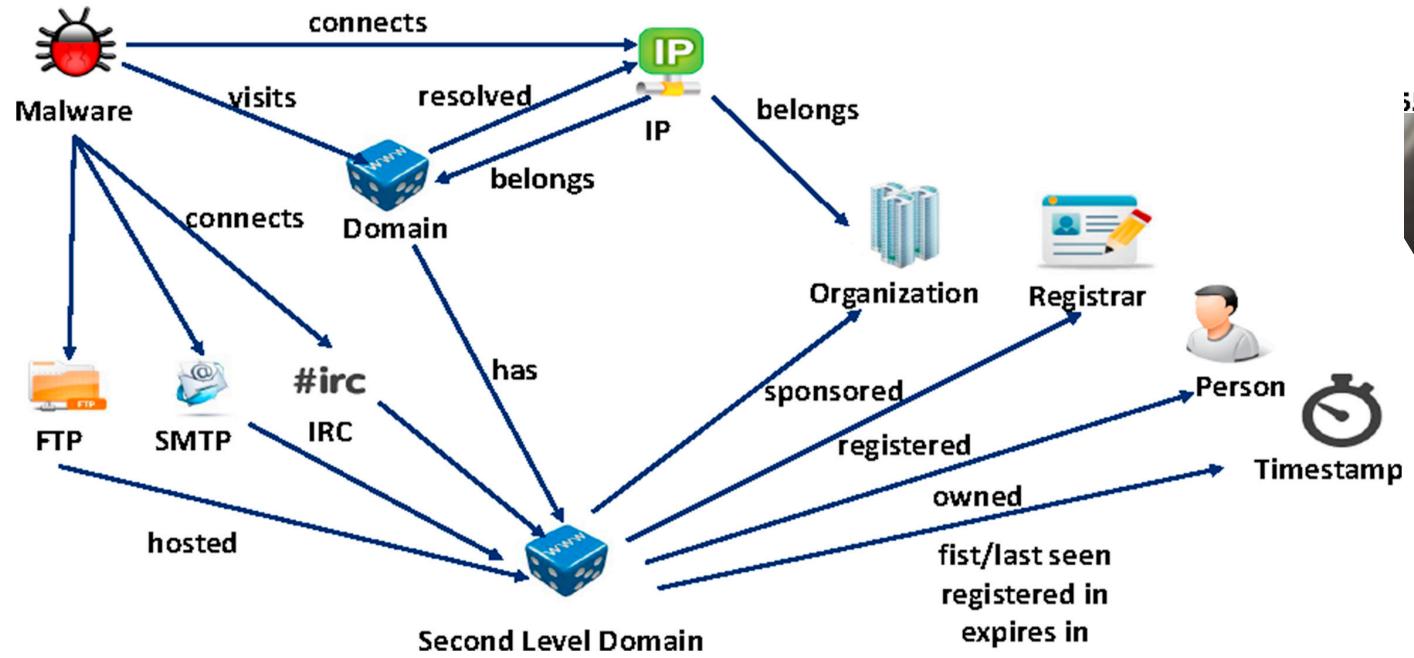
Maintain Vulnerability Management Program
Anti-virus. Develop/maintain secure systems and apps.



Strong Access Control
Restrict access to cardholder data. Assign unique ID for each user who accesses. Restrict physical access.



Directed Graphs



cyber
&
data

Directed Graphs

91.205.189.15 - - [26/Apr/2014:18:22:16] "GET /oldlink?itemId=EST-14&JSESSIONID=SD6SL7FF7ADFF53113 HTTP 1.1" 200 1665 "http://www.buttercupgames.com/oldlink?itemId=EST-14" "Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/536.5 (KHTML, like Gecko) Chrome/19.0.1084.46 Safari/536.5" 159

26/04/2014 91.205.189.15 - - [26/Apr/2014:18:22:16] "GET /oldlink?itemId=EST-14&JSESSIONID=SD6SL7FF7ADFF53113 HTTP 1.1" 200 1665 "http://www.buttercupgames.com/oldlink?itemId=EST-14" "Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/536.5 (KHTML, like Gecko) Chrome/19.0.1084.46 Safari/536.5" 159

Event Actions ▾			
Type	<input checked="" type="checkbox"/> Field	Value	Actions
Event	<input type="checkbox"/> JSESSIONID ▾	SD6SL7FF7ADFF53113	▼
	<input type="checkbox"/> bytes ▾	1665	▼
	<input type="checkbox"/> clientip ▾	91.205.189.15	▼

clientip

>100 Values, 100% of events

Selected

Yes

No

Reports

Top values

Top values by time

Rare values

Events with this field

Top 10 Values

Count

%

87.194.216.51

651

2.618%

211.166.11.101

473

1.902%

128.241.220.82

364

1.464%

194.215.205.19

316

1.271%

188.138.40.166

276

1.11%

109.169.32.135

257

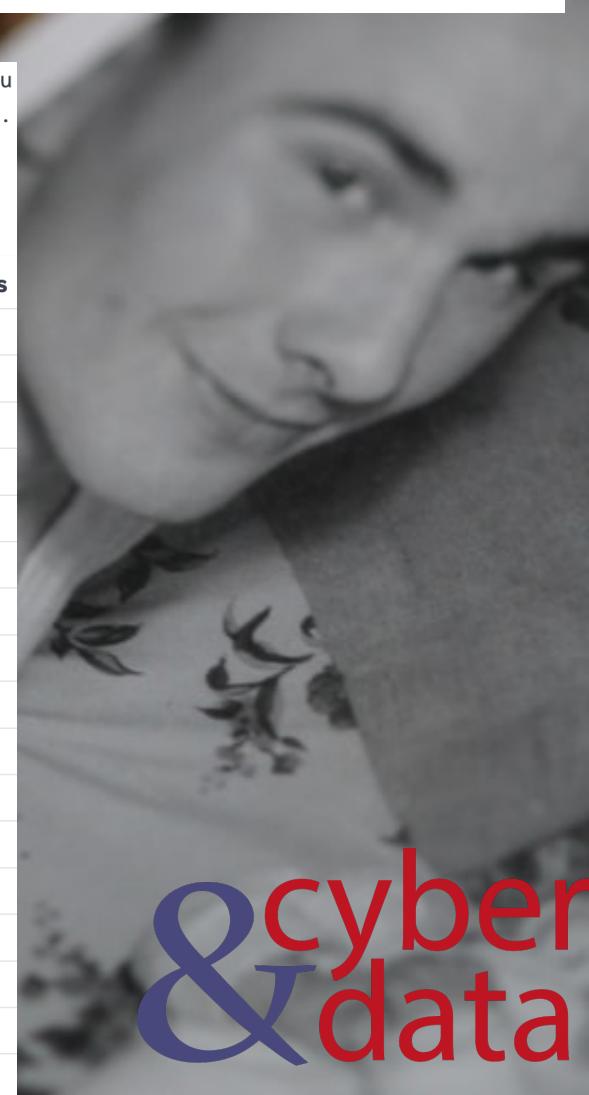
1.034%

k?itemId=EST-14

D6SL7FF7ADFF53113

F7ADFF53113

AppleWebKit/536.5 (KHTML, like Gecko) Chrome/19.0.1084.46 Safari/



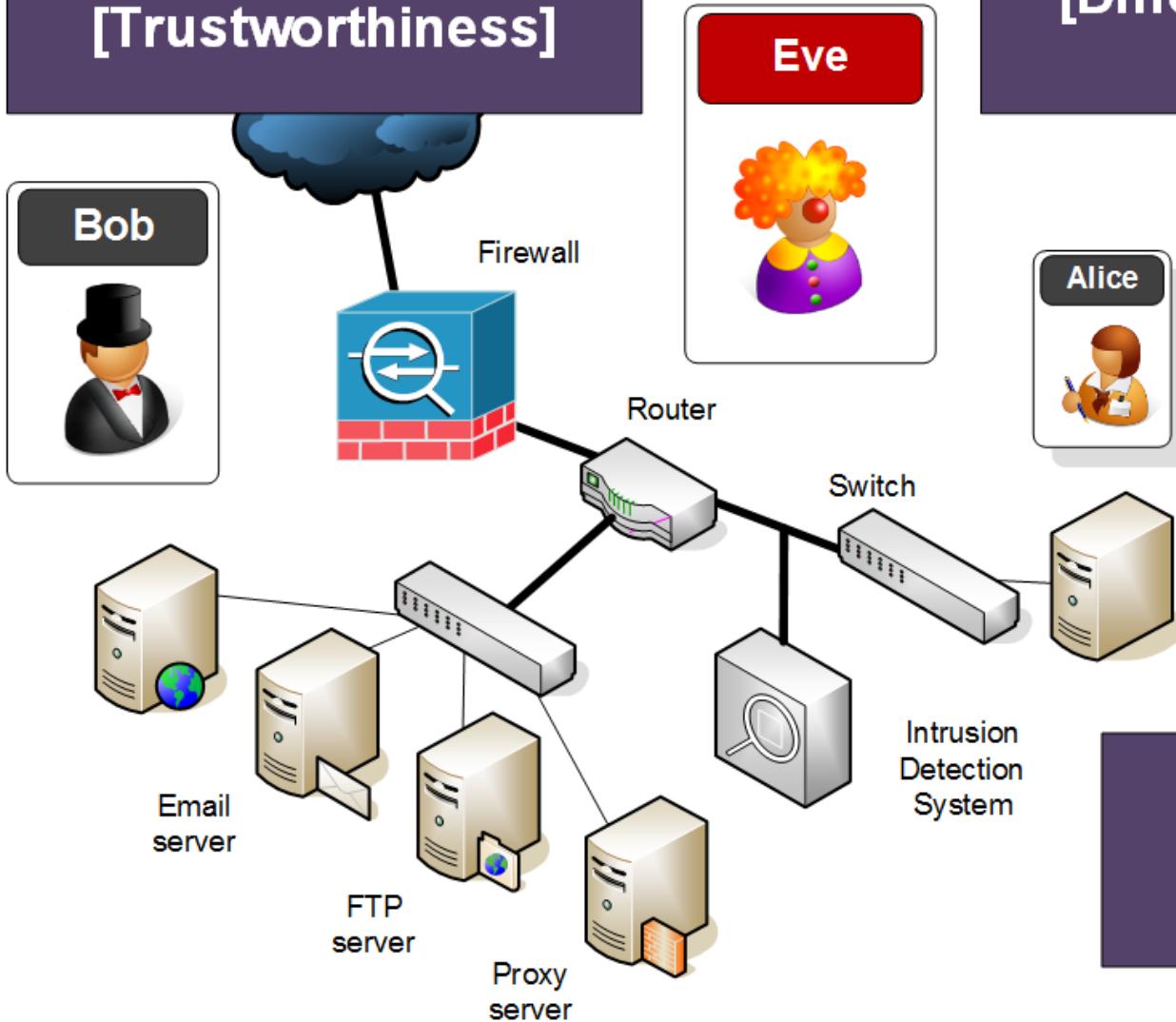
cyber
&
data

Outline

V- Velocity
[Speed of data generation]

V- Veracity
[Trustworthiness]

V- Variety
[Different forms of data]

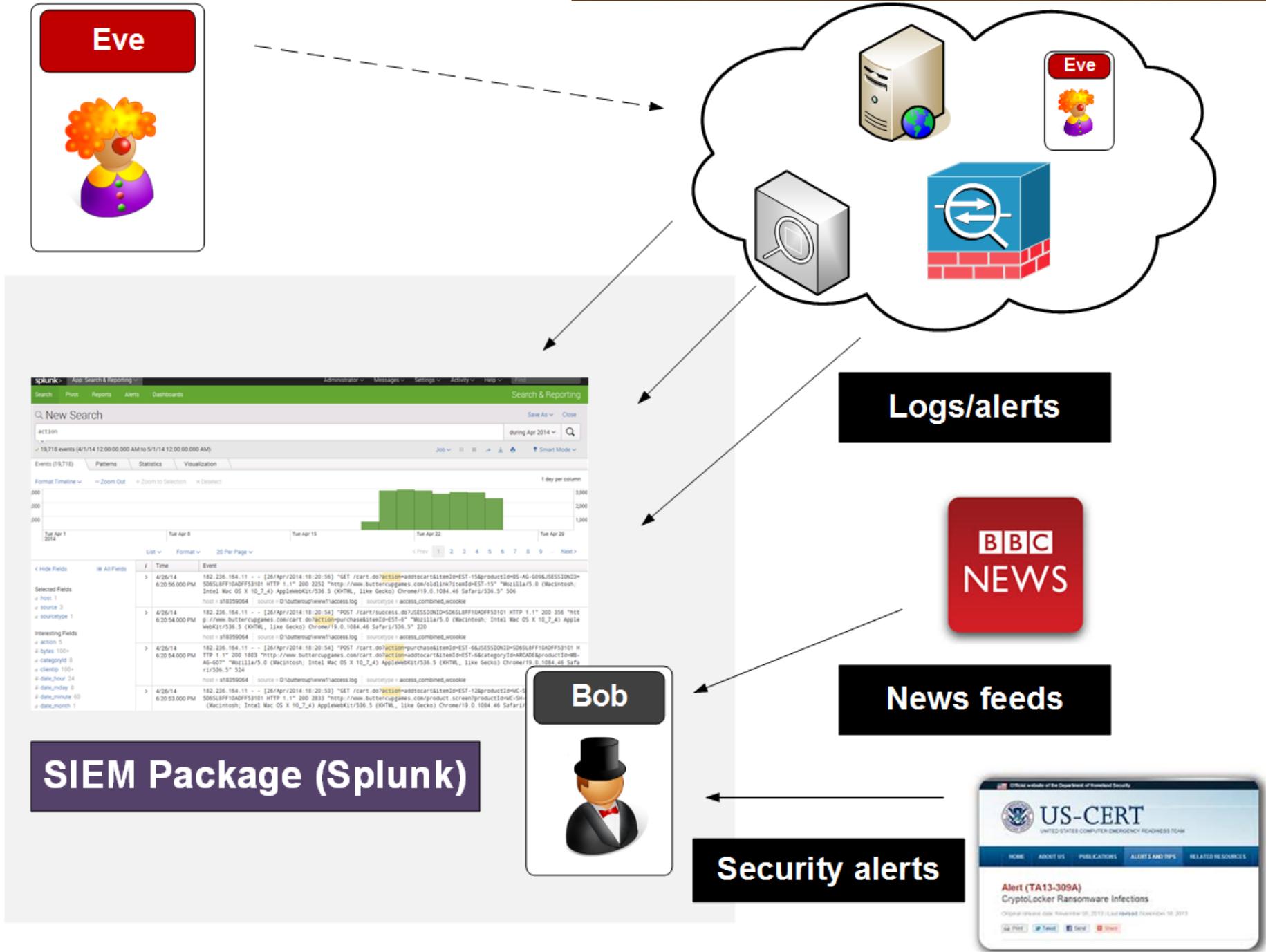


Management report
Sales analysis
Targeted marketing
Trending/Correlation
Incident Response

V- Volume
[Scale of data]

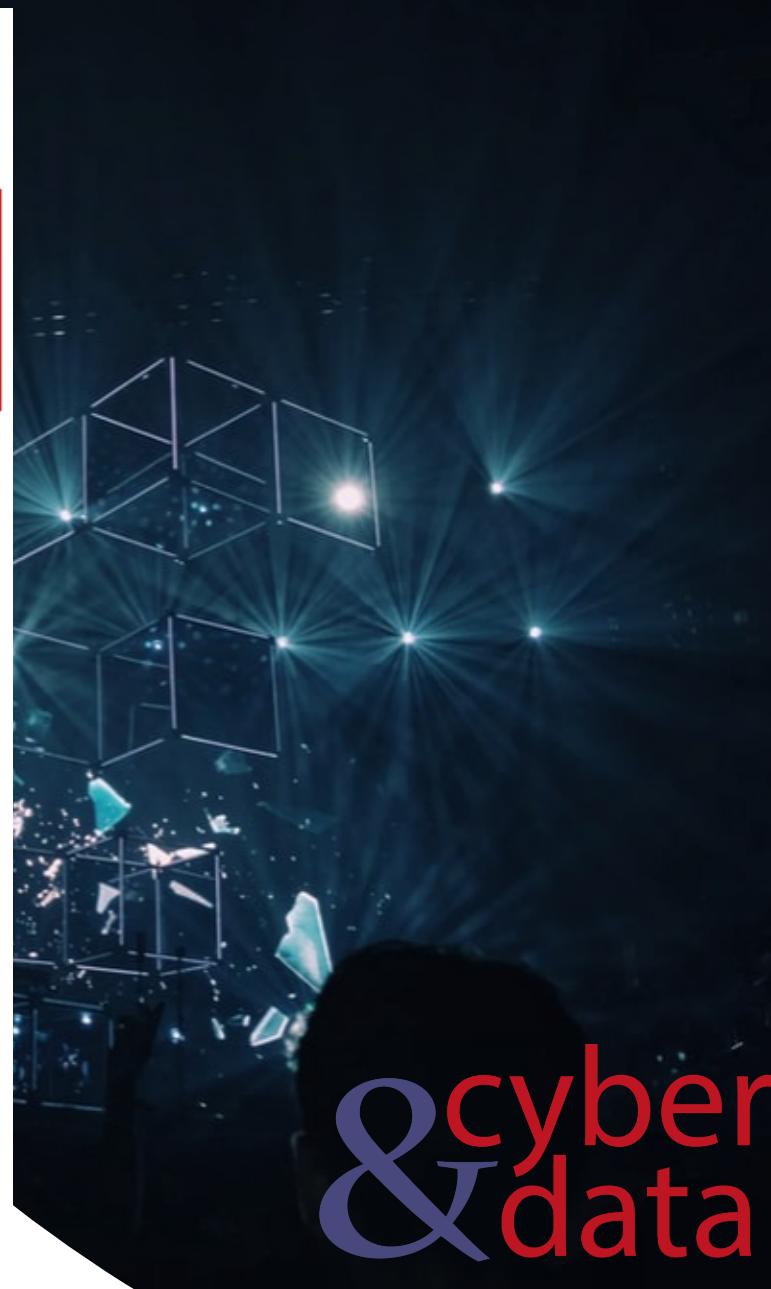
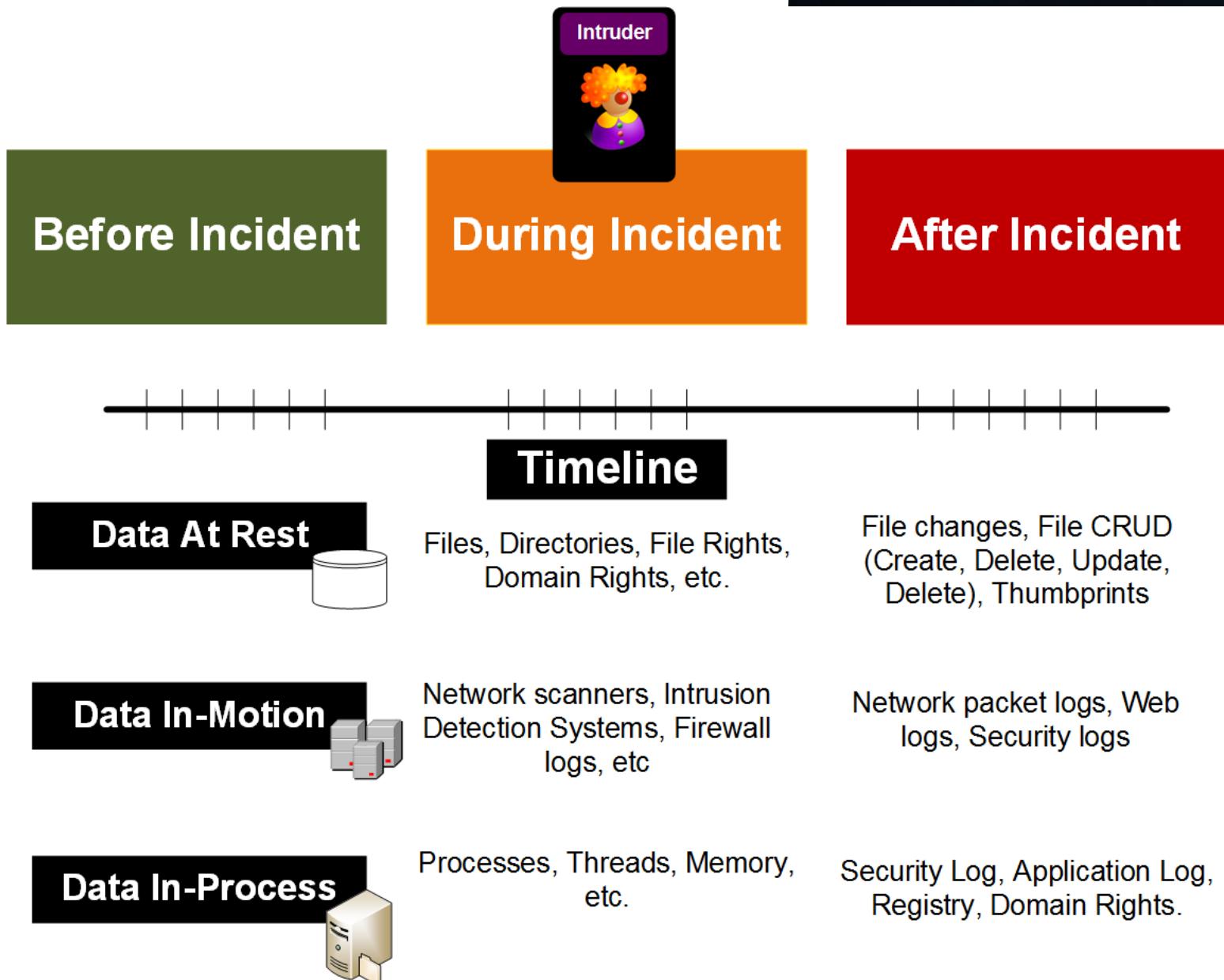
/ber
data

Outline



cyber
data

Before, During and After



Logs

Local host logs
- Application.
- Security.
- System
- etc

File and Directories
- CRUD.
- Security changes.

Performance
- CPU.
- Memory.
- Threads.

Database Access
- Logs.

TCP/UDP
- Syslog.



Environmental
- Temp.
- Humidity.

Active Directory
- User additions.
- Host changes.
- Logins

Remote Access
- Logs.

Registry Monitoring
- Key changes.
- Updates.

Print Monitoring
- Jobs.

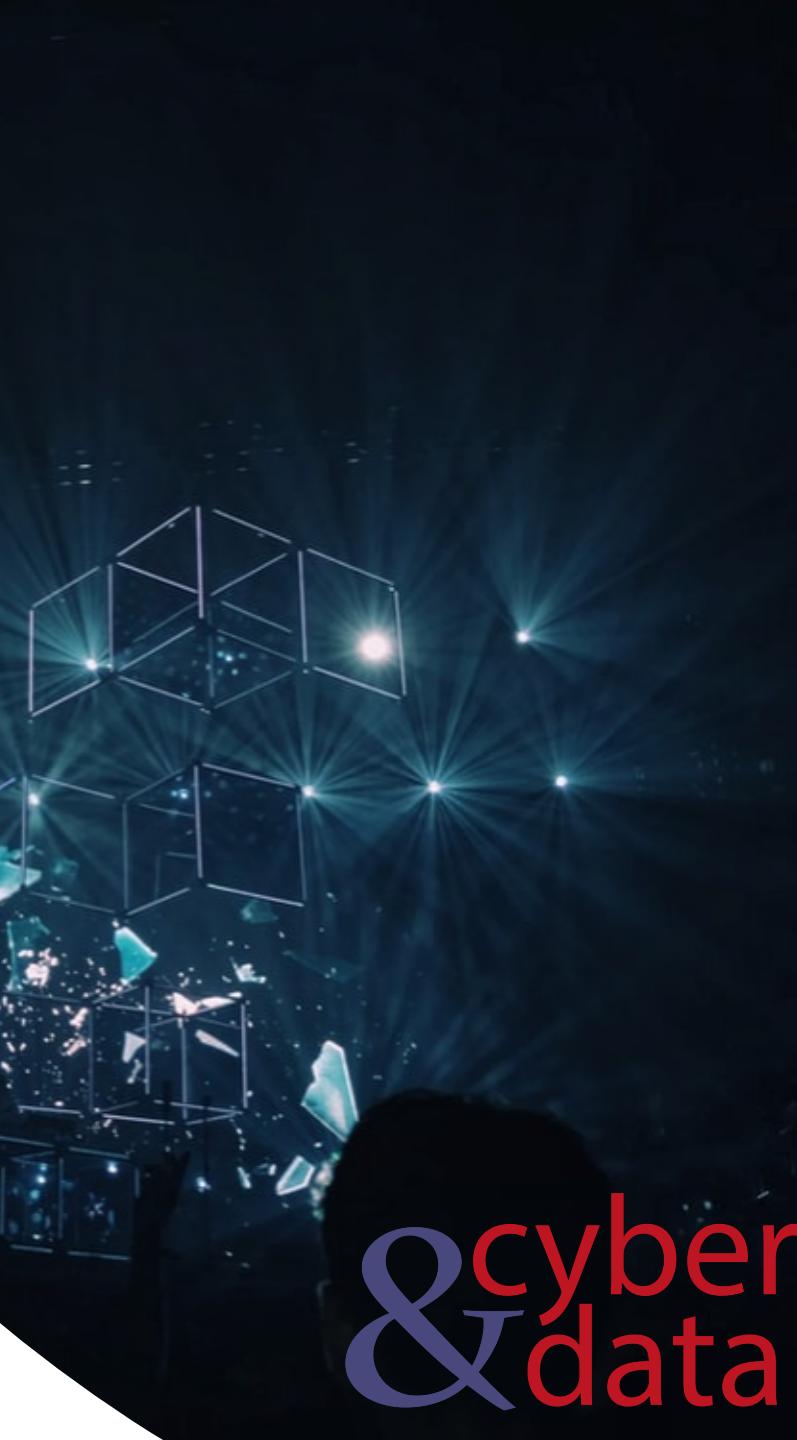
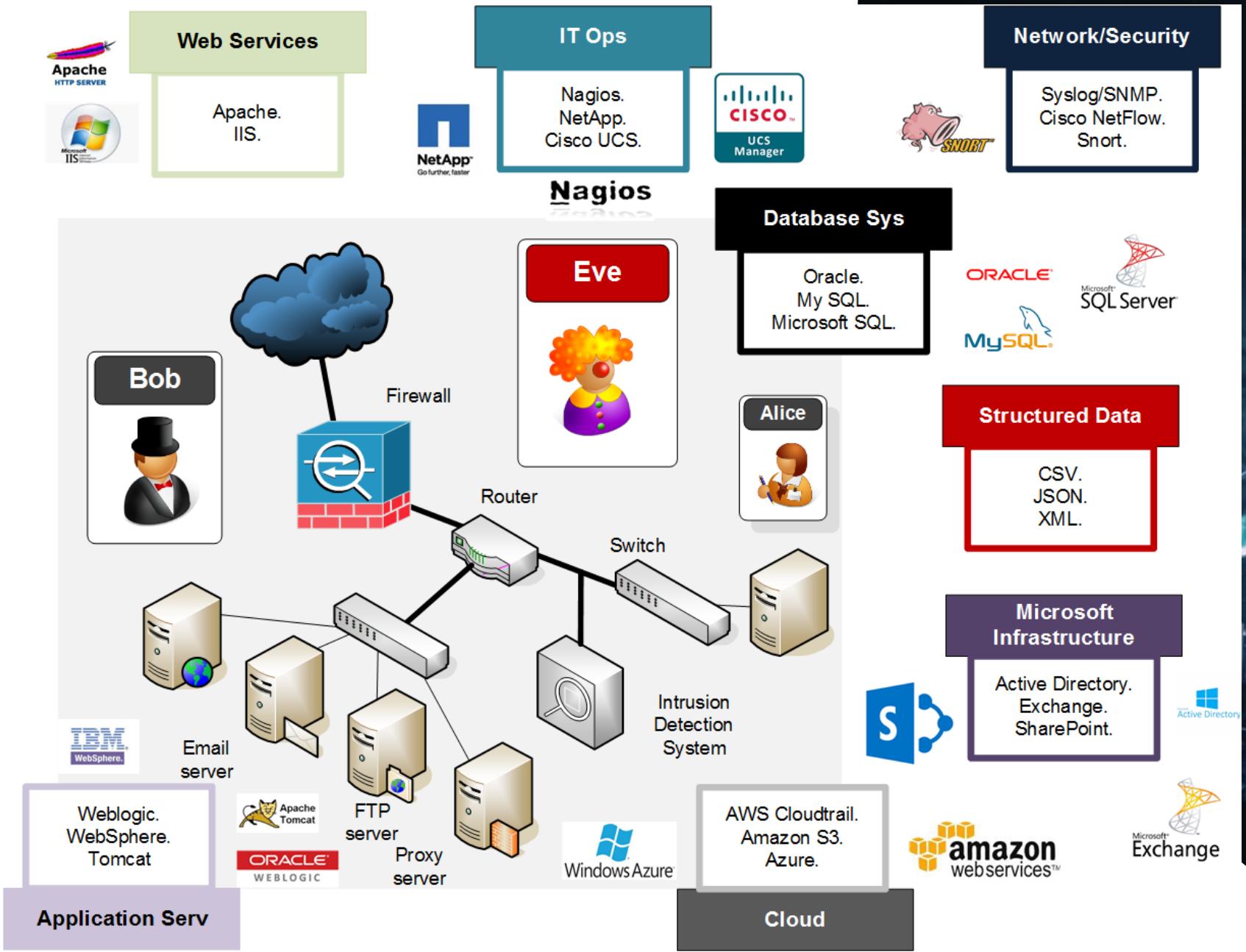
Intrusion Detection
- Alerts

Email
- Logs.



cyber
&
data

And the complexity ...



cyber
&
data



"From bits to information"

Get

Introduction to Splunk

Buttercup Games



Get

GET

/oldlink
/category.screen
/cart.do
/product.screen
/show.do
/productscreen.html
/anne_nicole.html
/signals.zip
/numa.html

GET

categoryID={STRATEGY, ARCADE, TEE,
ACCESSORIES, SIMULATION, SHOOTER,
SPORTS}

POST

action={addtocart,
purchase, view, categoryID, productID
remove,
changequantity}

GET

productID={WC-SH-G04,
SC-MG-G10 , DB-SG-G01,
MB-AG-T01, DC-SG-G02, MB-AG-G07,
FS-SG-G03, WC-SH-A02, WC-SH-A01,
WC-SH-T02 , PZ-SG-G05 , FI-AG-G08,
BS-AG-G09 , CU-PG-G06,
SF-BVS-G01}

- **SHOOTER:** WC-SH-G04
- **STRATEGY:** DB-SG-G01, DC-SG-G02, FS-SG-G03 and PZ-SG-G05
- **TEE:** MB-AG-T01 and WC-SH-T02.
- **ARCADE:** MB-AG-G07, FI-AG-G08, and BS-AG-G09.
- **SPORTS:** CU-PG-G06.
- **SIMULATION:** SC-MG-G10.
- **ACCESSORIES:** WC-SH-A01 and AC-SH-A02.

New Search

get

24,866 events (before 6/24/20 2:46:06.000 PM) No Event Sampling ▾

Save As ▾ Close

All time ▾

Events (82) Patterns Statistics Visualization

Format Timeline ▾ 1 hour per column

Apr 19, 2014 6:00 PM Apr 19, 2014 7:00 PM

List ▾ Format 20 Per Page ▾ 1 2 3 4 5

Time	Event
4/19/14 6:59:59.000 PM	60.18.93.11 - - [19/Apr/2014:18:59:59] "GET /oldlink?itemId=EST-12&JSESSIONID=SD4SL5FF3ADFF5111 HTTP 1.1" 200 1786 "http://www.buttercupgames.com/oldlink?itemId=EST-12" "Mozilla/5.0 (iPad; CPU OS 5_1_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Version/5.1 Mobile/9B206 Safari/7534.48.3" 788 host = s18359064 source = buttercup.zip:\buttercup\www1\access.log sourcetype = access_combined_wcookie
4/19/14 6:59:57.000 PM	60.18.93.11 - - [19/Apr/2014:18:59:57] "GET /cart.do?action=changequantity&itemId=EST-12&productId=CU-PG-G06&JSESSIONID=D4SL5FF3ADFF5111 HTTP 1.1" 200 849 "http://www.buttercupgames.com/category.screen?categoryId=SPORTS" "Mozilla/5.0 (iPad; CPU OS 5_1_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Version/5.1 Mobile/9B206 Safari/7534.48.3" 314 host = s18359064 source = buttercup.zip:\buttercup\www1\access.log sourcetype = access_combined_wcookie
4/19/14 6:59:56.000 PM	60.18.93.11 - - [19/Apr/2014:18:59:56] "GET /category.screen?categoryId=NULL&JSESSIONID=SD4SL5FF3ADFF5111 HTTP 1.1" 400 2120 "http://www.buttercupgames.com/cart.do?action=purchase&itemId=EST-14" "Mozilla/5.0 (iPad; CPU OS 5_1_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Version/5.1 Mobile/9B206 Safari/7534.48.3" 245 host = s18359064 source = buttercup.zip:\buttercup\www1\access.log sourcetype = access_combined_wcookie
4/19/14 6:59:55.000 PM	60.18.93.11 - - [19/Apr/2014:18:59:55] "GET /oldlink?itemId=EST-16&JSESSIONID=SD4SL5FF3ADFF5111 HTTP 1.1" 200 200 "http://www.buttercupgames.com/product.screen?productId=DC-SG-G02" "Mozilla/5.0 (iPad; CPU OS 5_1_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Version/5.1 Mobile/9B206 Safari/7534.48.3" 914 host = s18359064 source = buttercup.zip:\buttercup\www1\access.log sourcetype = access_combined_wcookie
4/19/14 6:57:52.000 PM	91.205.40.22 - - [19/Apr/2014:18:57:52] "GET /product.screen?productId=CU-PG-G06&JSESSIONID=SD10SL10FF5ADFF5106 HTTP 1.1" 200 1711 "http://www.buttercupgames.com/category.screen?categoryId=SPORTS" "Opera/9.20 (Windows NT 6.0; U; en)" 723 host = s18359064 source = buttercup.zip:\buttercup\www1\access.log sourcetype = access_combined_wcookie

Get

er
data

Splunk

List ▾ Format 20 Per Page ▾

◀ Prev 1 2 3 4 5 6 7 8 ... Next ▾

Selected Fields		All Fields	i Time	Event	Event Actions ▾
SELECTED FIELDS			4/26/14 6:22:16.000 PM	91.205.189.15 - - [26/Apr/2014:18:22:16] "GET /oldlink?itemId=EST-14&JSESSIONID=SD6SL7FF7ADFF53113 HTTP/1.1" 200 1665 "http://www.buttercupgames.com/oldlink?itemId=EST-14" "Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/536.5 (KHTML, like Gecko) Chrome/19.0.1084.46 Safari/536.5" 159	
INTERESTING FIELDS					
<i>a host</i> 1 <i>a source</i> 3 <i>a sourcetype</i> 1					
<i>a action</i> 5 <i># bytes</i> 100+ <i>a categoryid</i> 8 <i>a clientip</i> 100+ <i># date_hour</i> 24 <i># date_mday</i> 8 <i># date_minute</i> 60 <i>a date_month</i> 1 <i># date_second</i> 60 <i>a date_wday</i> 7 <i># date_year</i> 1 <i>a date_zone</i> 1 <i>a file</i> 12 <i>a ident</i> 1 <i>a index</i> 1 <i>a itemId</i> 14 <i>a JSESSIONID</i> 100+ <i># linecount</i> 1 <i>a method</i> 1 <i># other</i> 100+ <i>a productId</i> 16 <i>a punct</i> 96 <i>a referer</i> 100+ <i>a referer_domain</i> 4 <i>a req_time</i> 100+ <i>a splunk_server</i> 1 <i># status</i> 9 <i># timeendpos</i> 7 <i># timestamppos</i> 7 <i>a uri</i> 100+ <i>a uri_path</i> 12 <i>a uri_query</i> 100+ <i>a user</i> 1 <i>a userAgent</i> 26					
Type	<input checked="" type="checkbox"/> Field	Value			Actions ▾
Selected	<input checked="" type="checkbox"/> host	s18359064			▼
	<input checked="" type="checkbox"/> source	buttercup.zip:\buttercup\www2\access.log			▼
	<input checked="" type="checkbox"/> sourcetype	access_combined_wcookie			▼
Event	<input type="checkbox"/> JSESSIONID	SD6SL7FF7ADFF53113			▼
	<input type="checkbox"/> bytes	1665			▼
	<input type="checkbox"/> clientip	91.205.189.15			▼
	<input type="checkbox"/> file	oldlink			▼
	<input type="checkbox"/> ident	-			▼
	<input type="checkbox"/> itemId	EST-14			▼
	<input type="checkbox"/> method	GET			▼
	<input type="checkbox"/> other	159			▼
	<input type="checkbox"/> referer	http://www.buttercupgames.com/oldlink?itemId=EST-14			▼
	<input type="checkbox"/> referer_domain	http://www.buttercupgames.com			▼
	<input type="checkbox"/> req_time	26/Apr/2014:18:22:16			▼
	<input type="checkbox"/> status	200			▼
	<input type="checkbox"/> uri	/oldlink?itemId=EST-14&JSESSIONID=SD6SL7FF7ADFF53113			▼
	<input type="checkbox"/> uri_path	/oldlink			▼
	<input type="checkbox"/> uri_query	itemId=EST-14&JSESSIONID=SD6SL7FF7ADFF53113			▼
	<input type="checkbox"/> user	-			▼
	<input type="checkbox"/> userAgent	Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/536.5 (KHTML, like Gecko) Chrome/19.0.1084.46 Safari/536.5			▼
	<input type="checkbox"/> version	1.1			▼
Time	<input type="checkbox"/> _time	2014-04-26T18:22:16.000+00:00			
Default	<input type="checkbox"/> index	main			▼
	<input type="checkbox"/> linecount	1			▼
	<input type="checkbox"/> punct	..._-_[:::_]_/?=-&=_."__"://.?=-"_/._(▼

Splunk

New Search

get status=404

✓ 553 events (before 6/24/20 2:54:05.000 PM) No Event Sampling ▾

Save As ▾ Close All time ▾

Events (553) Patterns Statistics Visualization

Format Timeline ▾ - Zoom Out + Zoom to Selection × Deselect 1 hour per column

List ▾ Format 20 Per Page ▾ 1 2 3 4 5 6 7 8 ... Next >

< Hide Fields All Fields

SELECTED FIELDS
a host 1
a source 3
a sourcetype 1

INTERESTING FIELDS
a action 5
bytes 100+
a categoryId 1
a clientip 100+
date_hour 24
date_mday 8
date_minute 60
a date_month 1
date_second 60
a date_wday 7
date_year 1
a date_zone 1
a file 9
a ident 1
a index 1

i	Time	Event
>	4/26/14 6:18:59.000 PM	198.35.1.75 - - [26/Apr/2014:18:18:59] "GET /productscreen.html?t=ou812&JSESSIONID=SD10SL2FF4ADFF53099 HTTP 1.1" 404 240 "http://www.buttercupgames.com/product.screen?productId=SF-BVS-G01" "Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/536.5 (KHTML, like Gecko) Chrome/19.0.1084.46 Safari/536.5" 850 host = s18359064 source = buttercup.zip:\buttercup\www1\access.log sourcetype = access_combined_wcookie
>	4/26/14 6:10:07.000 PM	216.221.226.11 - - [26/Apr/2014:18:10:07] "GET /search.do?items=2112&JSESSIONID=SD4SL4FF4ADFF53057 HTTP 1.1" 404 1967 "http://www.buttercupgames.com/category.screen?categoryId=NULL" "Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.2; .NET CLR 1.1.4322; InfoPath.1; MS-RTC LM 8)" 825 host = s18359064 source = buttercup.zip:\buttercup\www3\access.log sourcetype = access_combined_wcookie
>	4/26/14 5:48:46.000 PM	71.192.86.205 - - [26/Apr/2014:17:48:46] "GET /rush/signals.zip?JSESSIONID=SD8SL2FF7ADFF52982 HTTP 1.1" 404 1281 "http://www.buttercupgames.com/protocol.screen?productId=SF-BVS-G01" "Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)" 885 host = s18359064 source = buttercup.zip:\buttercup\www1\access.log sourcetype = access_combined_wcookie
>	4/26/14 5:42:06.000 PM	125.89.78.6 - - [26/Apr/2014:17:42:06] "GET /rush/signals.zip?JSESSIONID=SD10SL8FF3ADFF52952 HTTP 1.1" 404 1252 "http://www.buttercupgames.com/cart.do?action=purchase&itemId=EST-7" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_7_4) AppleWebKit/536.5 (KHTML, like Gecko) Chrome/19.0.1084.46 Safari/536.5" 594 host = s18359064 source = buttercup.zip:\buttercup\www2\access.log sourcetype = access_combined_wcookie
>	4/26/14 5:19:39.000 PM	198.35.1.75 - - [26/Apr/2014:17:19:39] "GET /product.screen?productId=SF-BVS-G01&JSESSIONID=SD5SL1FF5ADFF52835 HTTP 1.1" 404 411 "http://www.buttercupgames.com/category.screen?categoryId=NULL" "Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.2.28) Gecko/20120306 YFF3 Firefox/3.6.28 (.NET CLR 3.5.30729; .NET4.0C)" 165 host = s18359064 source = buttercup.zip:\buttercup\www1\access.log sourcetype = access_combined_wcookie

Get

er data

New Search

get status=404 clientip="87.194.216.51"

✓ 18 events (before 24/06/2020 16:04:22.000) No Event Sampling ▾

Events (18) Patterns Statistics Visualization

Format Timeline ▾ — Zoom Out + Zoom to Selection × Deselect 1 hour per column

List ▾ ✎ Format 20 Per Page ▾

Time	Event
25/04/2014 18:21:45.000	87.194.216.51 - - [25/Apr/2014:18:21:45] "GET /search.do?items=2112&JSESSIONID=SD2SL1FF10ADFF46115 HT TP 1.1" 404 1585 "http://www.buttercupgames.com/cart.do?action=view&itemId=EST-16" "Mozilla/5.0 (Wind ows; U; Windows NT 5.1; en-US; rv:1.9.2.28) Gecko/20120306 YFF3 Firefox/3.6.28 (.NET CLR 3.5.30729; .NET4.0C)" 920 host = s18359064 source = buttercup.zip:\buttercup\www1\access.log sourcetype = access_combined_wcookie
25/04/2014 17:52:09.000	87.194.216.51 - - [25/Apr/2014:17:52:09] "GET /productscreen.html?t=ou812&JSESSIONID=SD2SL3FF1ADFF460 10 HTTP 1.1" 404 2391 "http://www.buttercupgames.com/product.screen?productId=SF-BVS-G01" "Opera/9.20 (Windows NT 6.0; U; en)" 575 host = s18359064 source = buttercup.zip:\buttercup\www1\access.log sourcetype = access_combined_wcookie

< Hide Fields All Fields

SELECTED FIELDS

- a host 1
- a source 3
- a sourcetype 1

INTERESTING FIELDS

- a clientip 1
- a index 1
- # linecount 1
- a splunk_server 1
- # status 1

Get

Qudia

New Search

New Search Save As ▾ Close

passwords.pdf All time ▾ 🔍

✓ 68 events (before 24/06/2020 16:06:13.000) No Event Sampling ▾ Job ▾ || ✖ ✚ ⬇ ⚡ Fast Mode ▾

Events (68) Patterns Statistics Visualization

Format Timeline ▾ – Zoom Out + Zoom to Selection X Deselect 1 hour per column

List ▾ ✓ Format 20 Per Page ▾ < Prev 1 2 3 4 Next >

◀ Hide Fields	☰ All Fields	i Time	Event
SELECTED FIELDS a host 1 a source 3 a sourcetype 1		➢ 26/04/2014 14:54:08.000	175.44.1.172 -- [26/Apr/2014:14:54:08] "POST /passwords.pdf?JSESSIONID=SD10SL2FF3ADFF51999 HTTP 1.1" 404 2388 "http://www.buttercupgames.com/oldlink?itemId=EST-6" "Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; Trident/4.0; .NET CLR 2.0.50727; MS-RTC LM 8; InfoPath.2)" 102 host = s18359064 source = buttercup.zip:\buttercup\www1\access.log sourcetype = access_combined_wcookie
INTERESTING FIELDS a index 1 # linecount 1 a splunk_server 1		➢ 26/04/2014 12:38:50.000	198.35.1.10 -- [26/Apr/2014:12:38:50] "POST /passwords.pdf?JSESSIONID=SD9SL3FF3ADFF51356 HTTP 1.1" 404 446 "http://www.buttercupgames.com/product.screen?productId=SF-BVS-G01" "Mozilla/5.0 (compatible; MSIE 9.0; Windows NT 6.1; WOW64; Trident/5.0; BOIE9;ENUS)" 542 host = s18359064 source = buttercup.zip:\buttercup\www2\access.log sourcetype = access_combined_wcookie
+ Extract New Fields		➢ 26/04/2014 12:07:15.000	59.36.99.70 -- [26/Apr/2014:12:07:15] "GET /passwords.pdf?JSESSIONID=SD3SL5FF4ADFF51205 HTTP 1.1" 404 2152 "http://www.buttercupgames.com/oldlink?itemId=EST-26" "Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/536.5 (KHTML, like Gecko) Chrome/19.0.1084.46 Safari/536.5" 162 host = s18359064 source = buttercup.zip:\buttercup\www1\access.log sourcetype = access_combined_wcookie

Get

New Search Save As ▾ Close

```
sourcetype=access_* status=200 action=purchase  
| top categoryId
```

All time ▾ 🔍

✓ 5,224 events (before 24/06/2020 16:07:35.000) No Event Sampling ▾ Job ▾ II ■ ↗ ✚ ⬇ ⚡ Fast Mode ▾

Events Patterns **Statistics (7)** Visualization

20 Per Page ▾ ✍ Format Preview ▾

categoryId	count	percent
STRATEGY	806	30.495649
ARCADE	493	18.653046
TEE	367	13.885736
ACCESSORIES	348	13.166856
SIMULATION	246	9.307605
SHOOTER	245	9.269769
SPORTS	138	5.221339

Get

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Splunk

New Search

sourcetype=access_* status!=200 action=purchase | top categoryId

✓ 513 events (before 6/24/20 2:55:46.000 PM) No Event Sampling ▾

Save As ▾ Close All time ▾

Events Patterns Statistics (8) **Visualization**

Bar Chart Format Trellis

categoryId	count
STRATEGY	79
NULL	71
ARCADE	44
ACCESSORIES	39
TEE	37
SHOOTER	30
SIMULATION	27
SPORTS	10

count

categoryId count percent

categoryId	count	percent
STRATEGY	79	23.442136
NULL	71	21.068249
ARCADE	44	13.056380
ACCESSORIES	39	11.572700
TEE	37	10.979228
SHOOTER	30	8.902077
SIMULATION	27	8.011869
SPORTS	10	2.967359

Get

New Search Save As ▾ Close

```
sourcetype=access_* status=200 action=purchase  
| top categoryId
```

All time ▼ 🔍

✓ 5,224 events (before 24/06/2020 16:07:35.000) No Event Sampling ▾ Job ▾ || ⤒ ⤓ ⤔ ⤕ ⤖ ⤗ ⤘ Fast Mode ▾

Events Patterns Statistics (7) **Visualization**

柱状图 Format Trellis

categoryId	count
STRATEGY	750
ARCADE	500
TEE	350
ACCESSORIES	350
SIMULATION	250
SHOOTER	250
SPORTS	150

Get

Splunk

New Search

Save As ▾ Close

Close

```
sourcetype=access_* status!=200 action=purchase  
| top categoryId
```

All time ▾



✓ 513 events (before 24/06/2020 16:10:47.000) No Event Sampling ▾

Job ▾ || ■ ➔ ✎ ⬇ ⚡ Fast Mode ▾

Events

Patterns

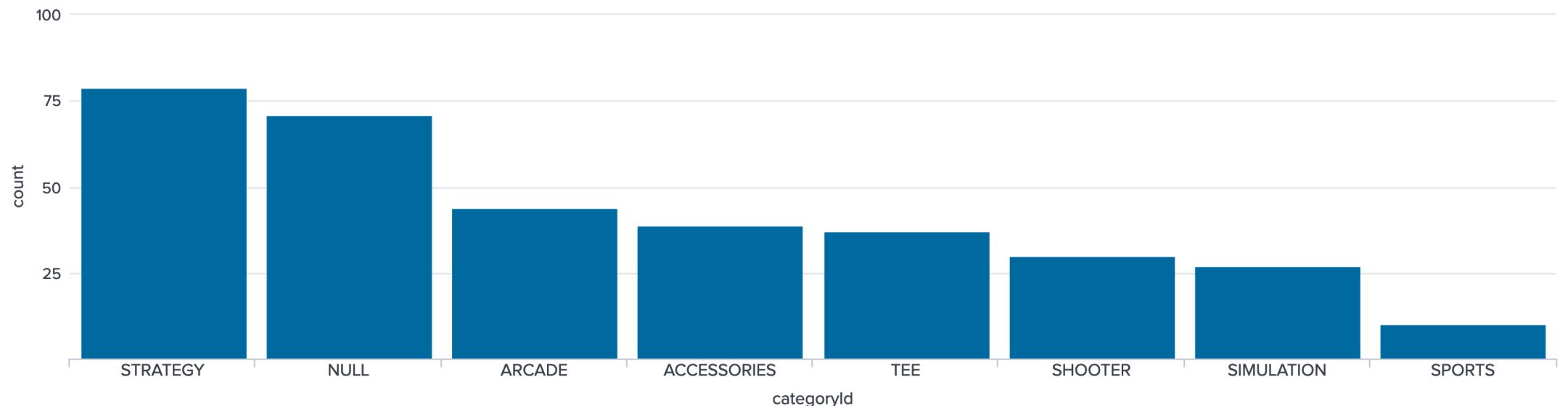
Statistics (8)

Visualization

柱状图 Column Chart

Format

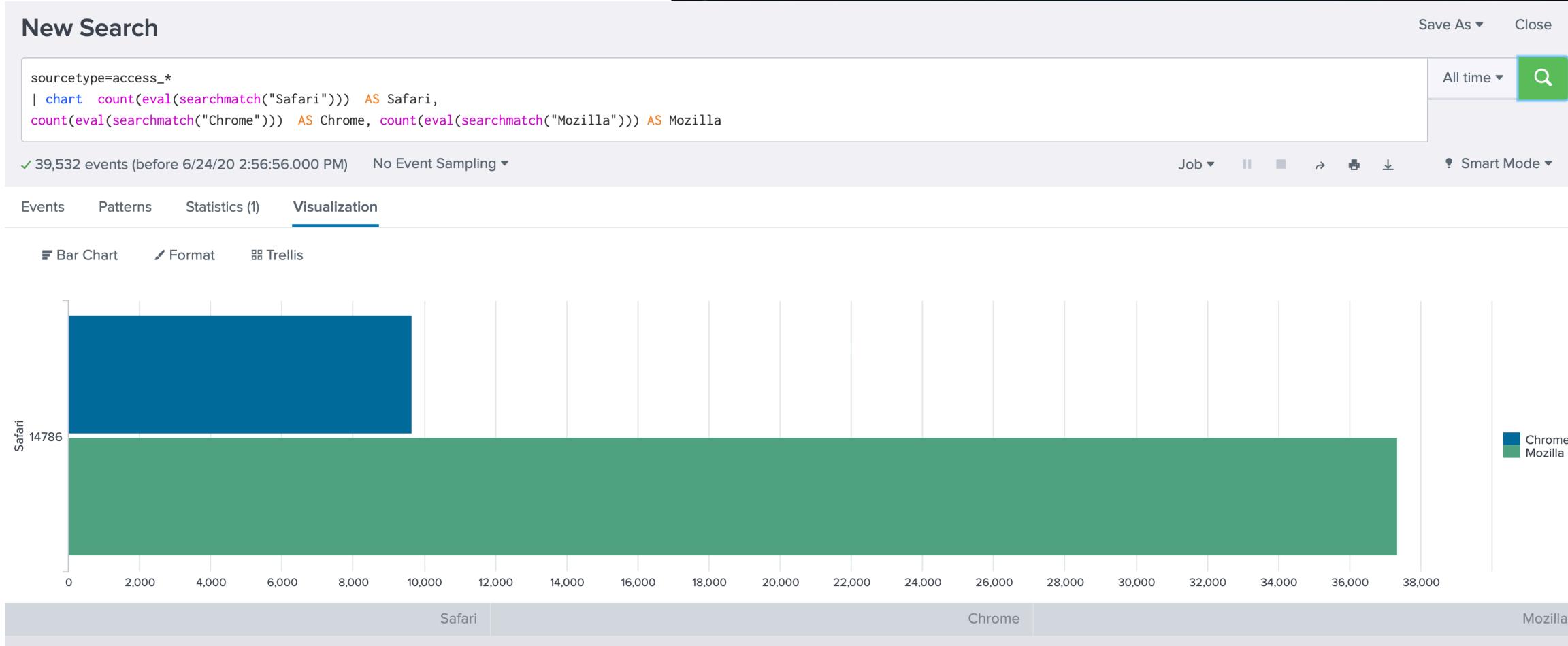
 Trellis



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New Search

Save As ▾ Close

```
get cart.do productId="WC-SH-G04" | top categoryId
```

All time ▾



✓ 692 events (before 6/25/20 5:56:31.000 AM) No Event Sampling ▾

Job ▾ || ■ ↻ + ↓

! Smart Mode ▾

Events Patterns Statistics (1) Visualization

20 Per Page ▾ ✎ Format Preview ▾

categoryId	count	percent
SHOOTER	171	100.000000

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New Search Save As ▾ Close

get cart.do categoryId="STRATEGY" | **top** productId All time ▾ 🔍

✓ 568 events (before 6/25/20 6:06:42.000 AM) No Event Sampling ▾ Job ▾ || ↶ ↷ ⤒ ⤓ ! Smart Mode ▾

Events Patterns **Statistics (4)** Visualization

20 Per Page ▾ ✓ Format Preview ▾

productId	count	percent
DB-SG-G01	171	30.105634
DC-SG-G02	157	27.640845
FS-SG-G03	131	23.063380
PZ-SG-G05	109	19.190141

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“From bits to information”

Introduction to Splunk