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Reducing Time to Data

Define millions of inbound web requests

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Define Millions Of Inbound Web Requests

Harness power of splunk to reduce the time to data

- Millions of inbound web requests
  - What are the requests?
  - Where are the requests coming from?
  - Data visualization?
  - Pattern?
  - Automated reporting?

Turn data points into action items

Define Millions Of Inbound Web Requests

Example: Usage profile, legacy certificate hash versus current

2+

In millions for OCSP requests in 24 hours

1.7

In millions, legacy cert hash issuance

141

Certificate types

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Define Millions Of Inbound Web Requests

How would one data compare without splunk?

- Excel
  - Create a workbook with worksheets of the data to compare
    - Vlookups
    - Scripted compare logic
    - Attempt to throw more resources at it
    - Attempt to reduce time frame to actually come back with data

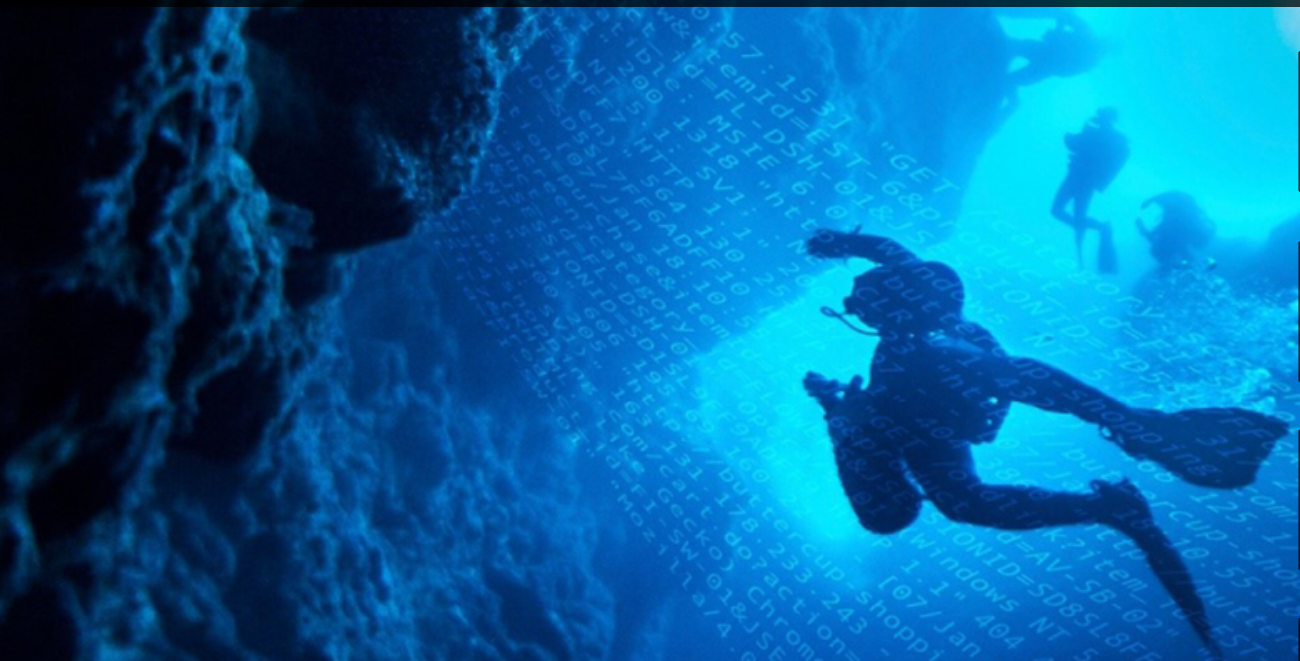
Result: nothing and/or reduced information set

- Custom code
  - Data compare (any/all methods)
    - Index the millions of events in a given time period
    - Attempt to perform data correlation
    - Attempt to throw more resources at it
    - Attempt to reduce time frame to actually come back with data

Result: nothing and/or reduced information set

Define Millions Of Inbound Web Requests

Deep diving the data with splunk



- Import a custom own data set
- Real time data compare
- Minutes away from the data
- Automated reporting / visualization

How Easy It Is?

SOURCES

Verify custom data

| inputlookup <custom data set name>

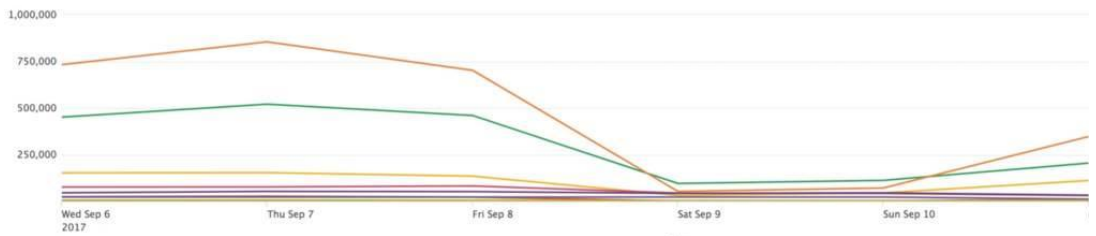
Verify target data

EventCode=5125 "*<Legacy CA name match>*" | dedup Certificate_Serial_Number

Data compare

| lookup cert_serial_num Serial_Number as Certificate_Serial_Number OUTPUT Requester_Name as LegacyUser | search LegacyUser ="*" | table LegacyUser,Certificate_Serial_Number

Profit



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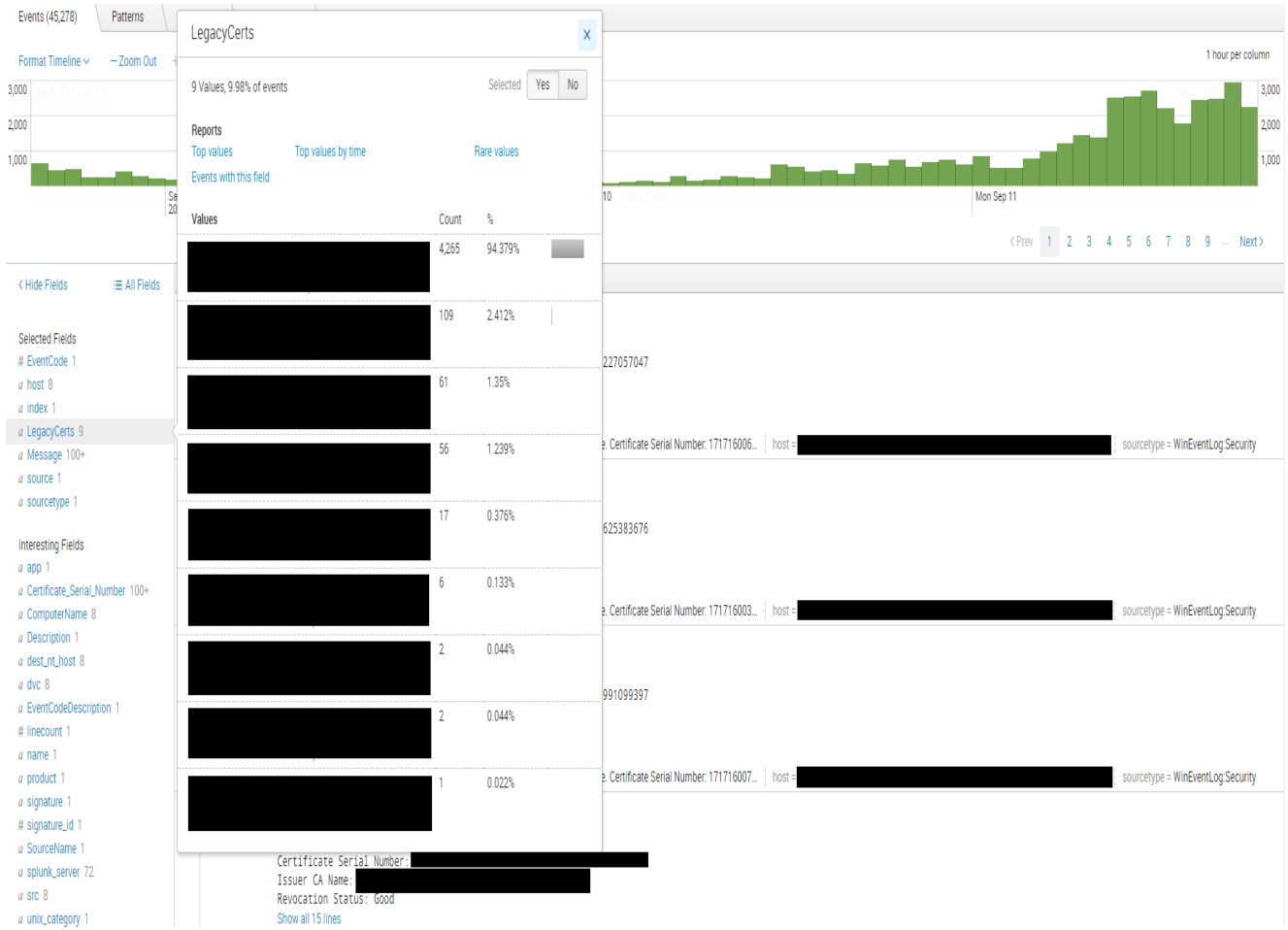
Define Millions Of Inbound Web Requests

- Retrieving real time data
- Data visualization
- Default parsing
  - Host breakdown
  - Source
  - Custom lookup



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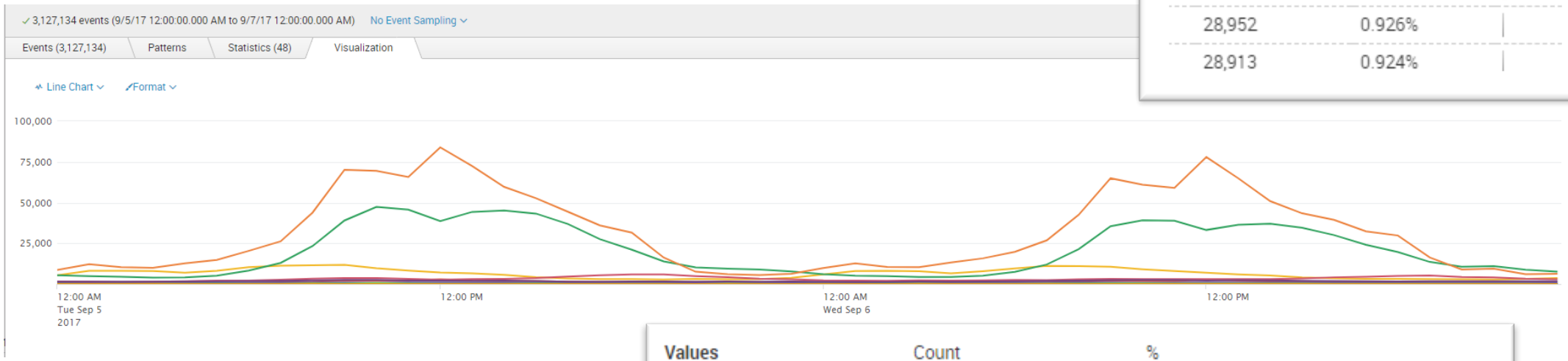
Define Millions Of Inbound Web Requests

- Simple data visualization overlay
- Simple dashboard creation

Count	%
1,155,962	36.966%
1,155,806	36.96%
196,085	6.27%
196,082	6.27%
182,701	5.842%
182,633	5.84%
28,952	0.926%
28,913	0.924%



Values	Count	%
Good	3,044,971	97.374%
Revoked	82,111	2.626%

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Key Takeaways

Reducing time to data

1. Customize the splunk experience
2. Reduce time to data using splunk
3. Leverage the power of splunk cloud

Thank You

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