# DEVSECCIOS BOOTCAMP

BUILDING RUGGED SOFTWARE

YEAR ONE / WEEK FOUR/ LESSON TWO

## Agenda

- Splunk Search
- Field Extraction
- Field Extraction with Regular Expressions
- Statistics

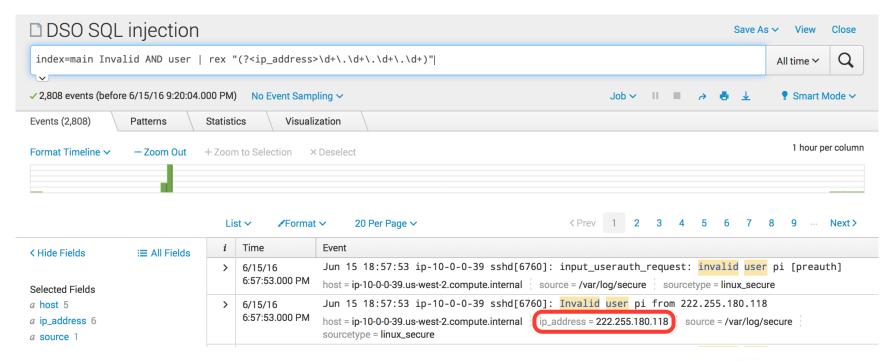


- Splunk Search
  - Retrieves events from indexes
  - Filters results of a previous search
  - Uses Search Processing Language
  - Implicit command when a search is performed or can be used further filter search results, e.g., index=main sourcetype=linux\_secure | search field=value



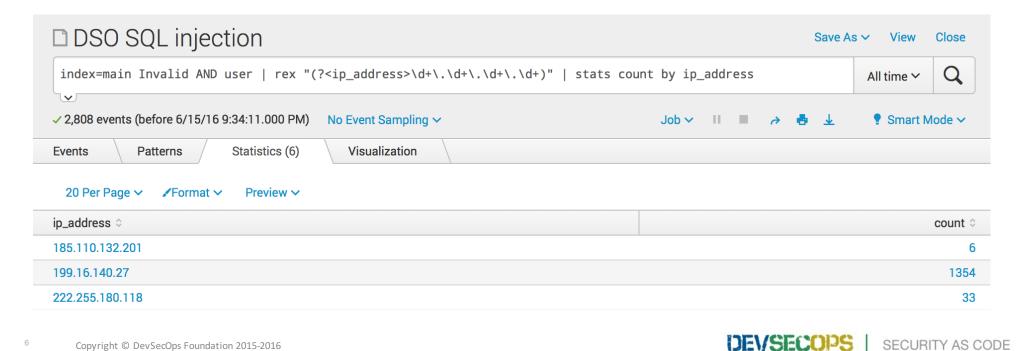
- Field Extraction
  - Key value pairs extracted by Splunk or by custom field extraction
  - Used by splunk to
  - Commands used to perform field extraction: rex, rename, stats, etc.

- Field Extraction with Regular Expressions
  - rex uses Perl like regular expression to extract fields from search results

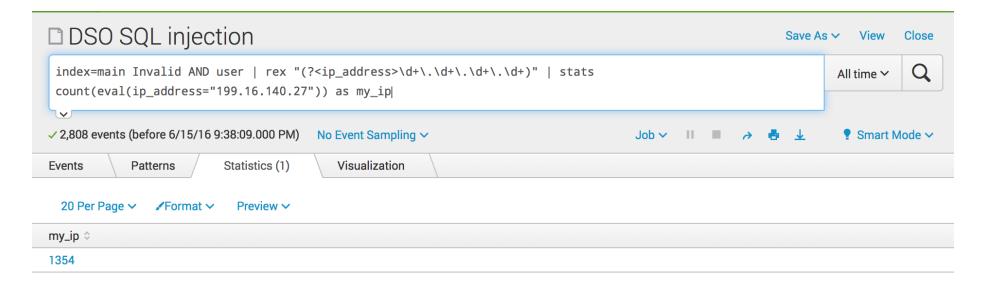


#### Statistics

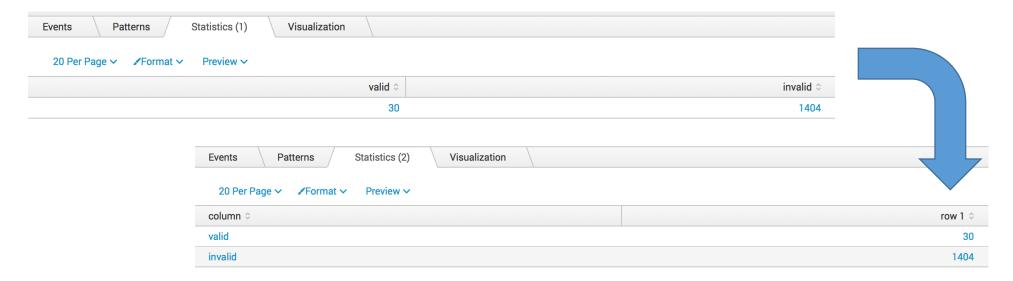
 stats command - calculates statistics such as counts, averages, min and max values



- Evaluating Fields
  - To narow in on a specific IP address for example, we could use a combination of count and eval to perform our query



- Tables and Visualization
  - transpose converts rows into columns
    - helps us create charts souch as pie charts



### Questions?



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### Lab 2

- If you weren't here last week team up with someone who was or quickly do week 3 lab 2 (get AWS credentials from Instructor)
- If you were here last week:
  - Run through the exercises in week 3 lab 3 if Splunk searches return no data