# DEVSECCIOS BOOTCAMP

BUILDING RUGGED SOFTWARE

YEAR ONE / WEEK FOUR/ LESSON TWO

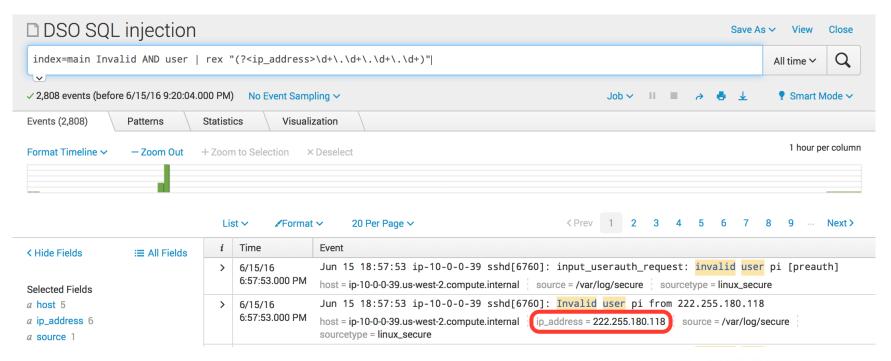
# Agenda

- Field Extraction
- Field Extraction with Regular Expressions
- Statistics
- Dashboards
- Alerts



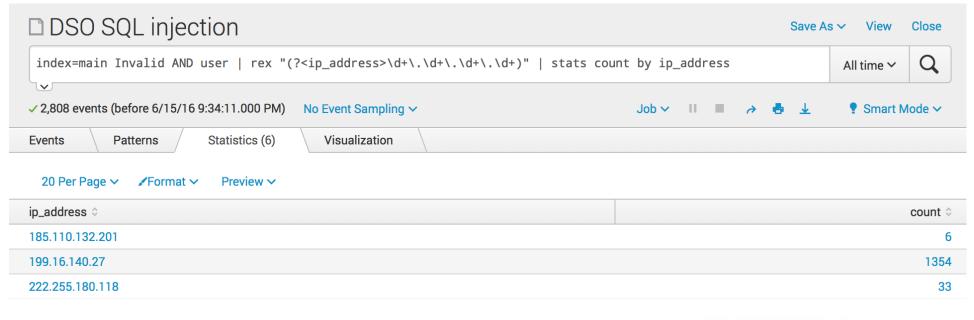
- Field Extraction
  - Key value pairs extracted by Splunk or by custom field extraction
  - Used by splunk to
  - Commands used to perform field extraction: rex, rename, stats, etc.

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



#### Statistics

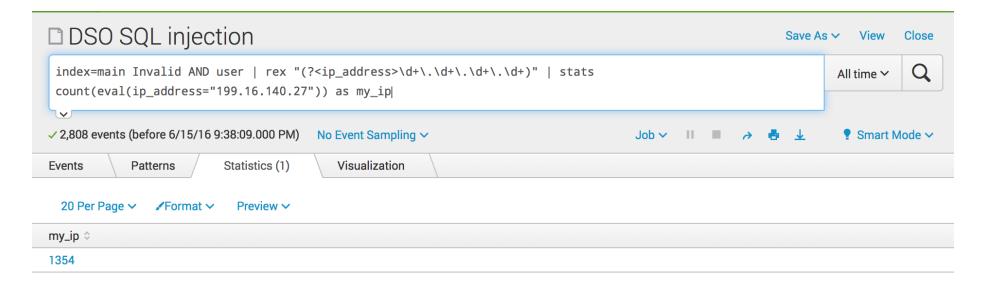
 stats command - calculates statistics such as counts, averages, min and max values



Evaluating Fields

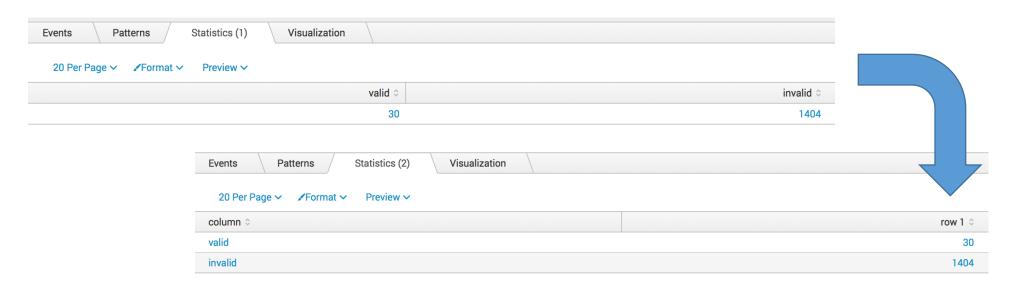
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 To narow in on a specific IP address for example, we could use a combination of count and eval to perform our query



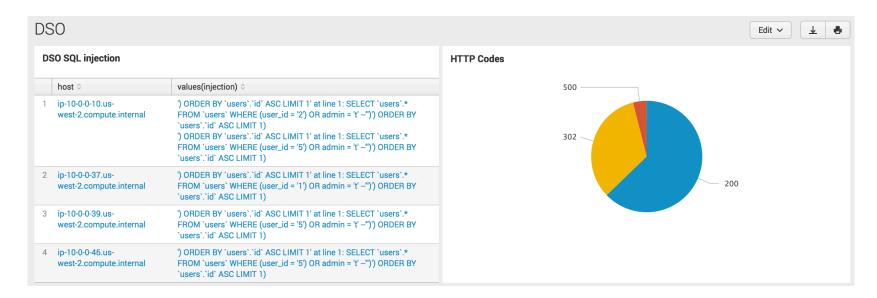
SECURITY AS CODE

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



#### Dashboards

- Reveals trends
- Show security relevant or interesting events
- Real time high-level view of environment



#### Alerts

- Alerts can be used to
  - Drive a report
  - Send an email
  - Execute a Splunk app
  - Execute a custom script
  - Initiate incident response



#### Questions?



#### 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

