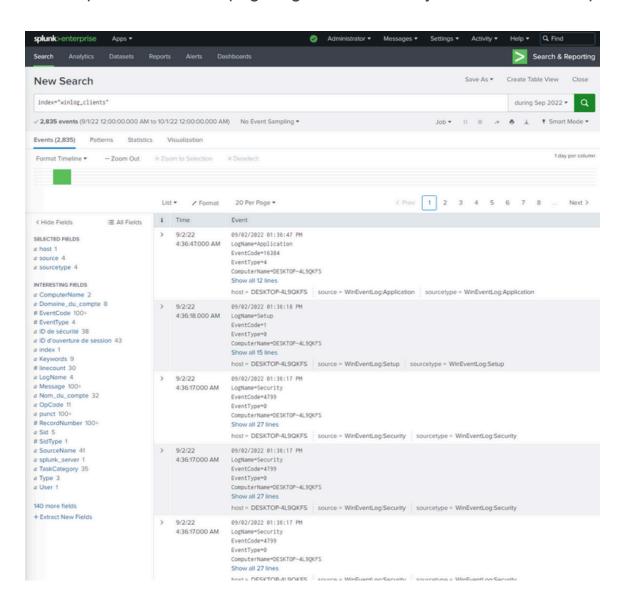


Search on Splunk

By: Ryan Stewart

Let's explore the Search page together and clarify some essential aspects.



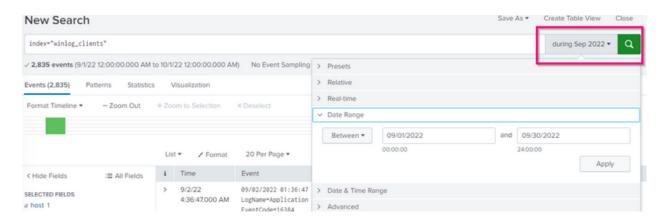
Traps and Tips:

- Field names are case-sensitive.
- Field values are not case-sensitive.
- The wildcard character "*" is available for use.
- Operators such as AND, OR, and NOT can be utilized.

Date Selection:

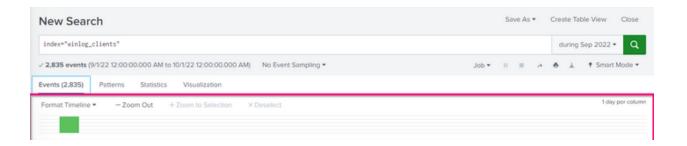
The first step is selecting the data range. You have various options:

- Presets (today, last week, last year, last 24 hours, etc.).
- Relative (beginning of the hour, X minutes ago, X weeks ago, etc.).
- Real-time.
- Date range (between 00:00 DD/MM/YYYY and 24:00 DD/MM/YYYY).
- Date & time range (same but with the option to choose an hour).



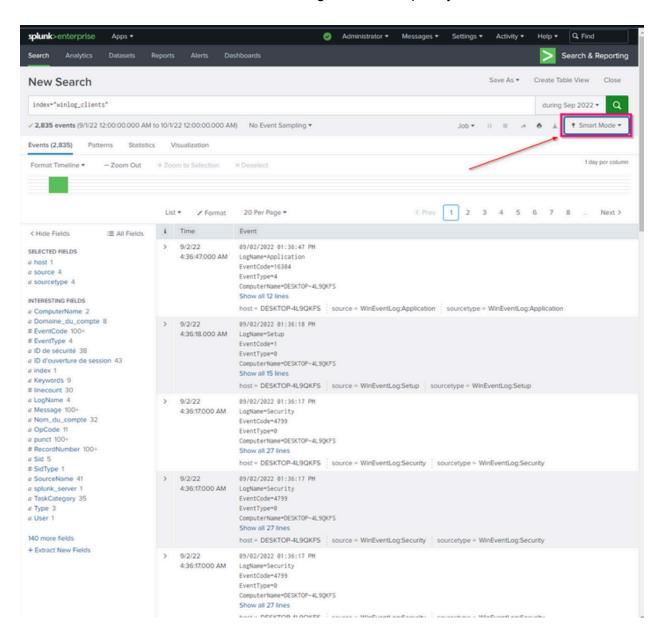
Timeline:

Upon conducting a search, Splunk displays a Timeline.



Search Mode:

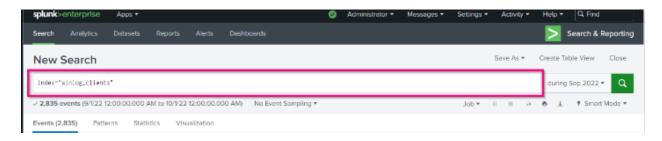
There are three modes, with Smart Mode being the most frequently used.



Search Bar:

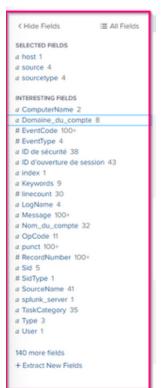
This is where you formulate your requests. As mentioned earlier, utilize the wildcard character ("*") and operators. Examples include:

- Search for a username with "Je" in it: "Username=Je*"
- Search for connections on the computer named computer1: "eventid=4624 AND computername=computer1"
- Search for every connection on the computer except the domain controller: "eventid=4624 NOT computername=domaincontroller"
- Utilize "Search History."



Fields:

Fields are listed on the left, providing information about each field in your search. Select a field to view details.

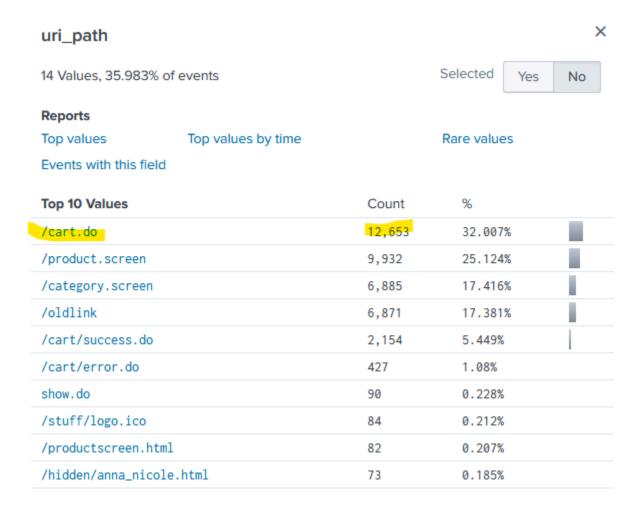


Save As:

In this menu, you can opt to save your request as a report, alert, or dashboard.

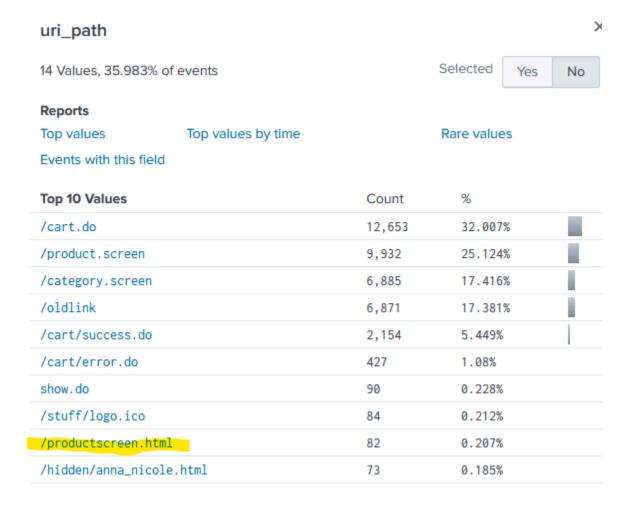
Quiz Questions

1. Path with the highest number of web requests from the client IP address "128.241.220.82":



i	Time	Event
>	9/8/22 6:20:56.000 PM	182.236.164.11 [08/Sep/2022:18:20:56] "GET /cart.do?action=addtoca rt&itemId=EST-15&productId=BS-AG-G09&JSESSIONID=SD6SL8FF10ADFF53101 HT TP 1.1" 200 2252 "http://www.buttercupgames.com/oldlink?itemId=EST-15" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_7_4) AppleWebKit/536.5 (KHT ML, like Gecko) Chrome/19.0.1084.46 Safari/536.5" 506
		host = ip-172-31-30-208.us-east-2.compute.internal source = tutorialdata.zip:./www1/access.log sourcetype = access_combined_wcookie

2. Number of unique client IP addresses requesting the "/productscreen.html" path:**



In Splunk, I'll use the stats command along with the count function to find the count of unique IP addresses. According to the source data the IP addresses are stored in a field named clientip, the search command would look like this:

