Integrate SSH Jump server with splunk for SIEM

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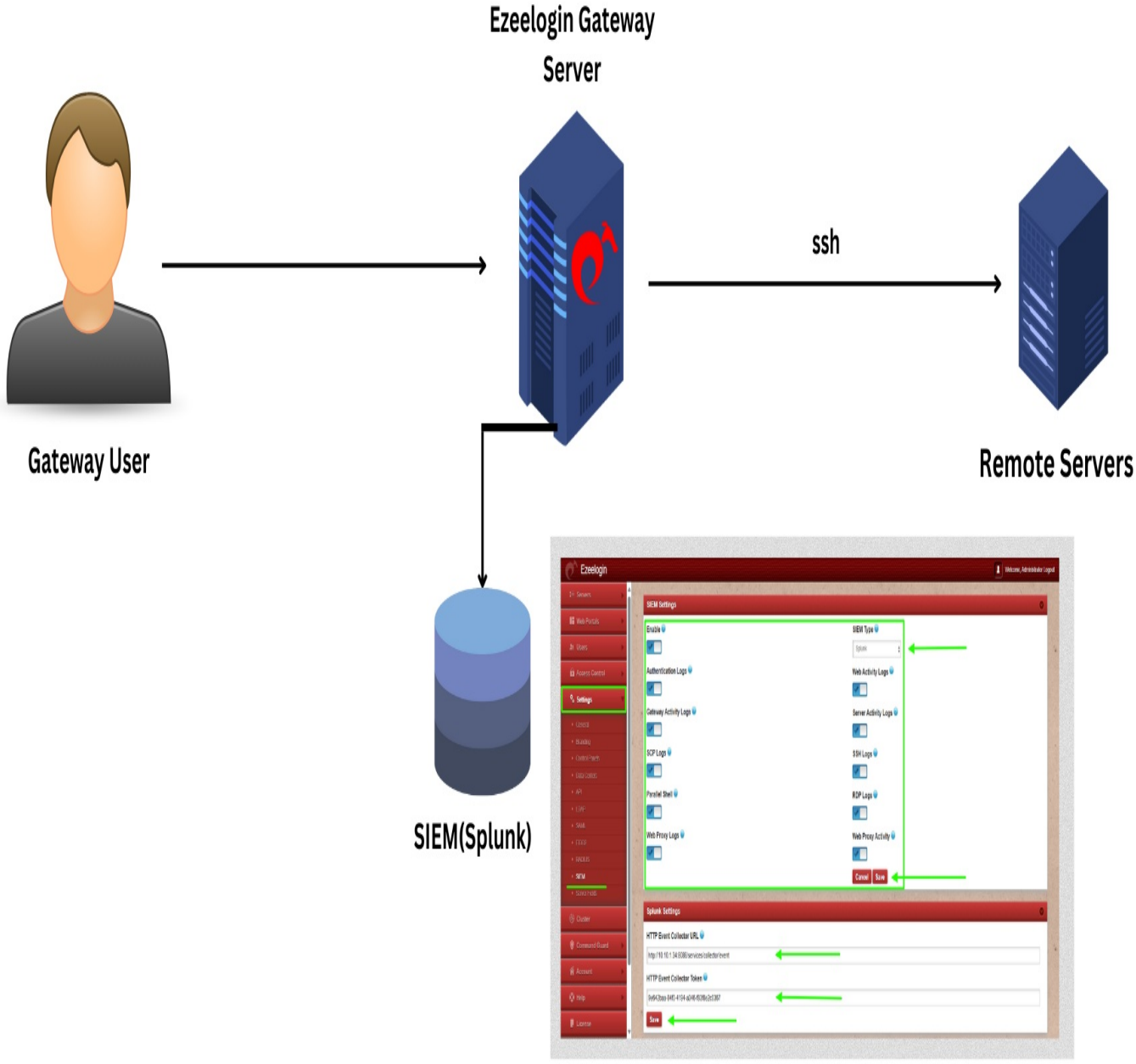
How to forward SSH Jump Server logs to Splunk?

Overview: This article explains how to configure Splunk HTTP Event Collector (HEC) to forward Ezeelogin SSH Jump Server logs for real-time monitoring and analysis.

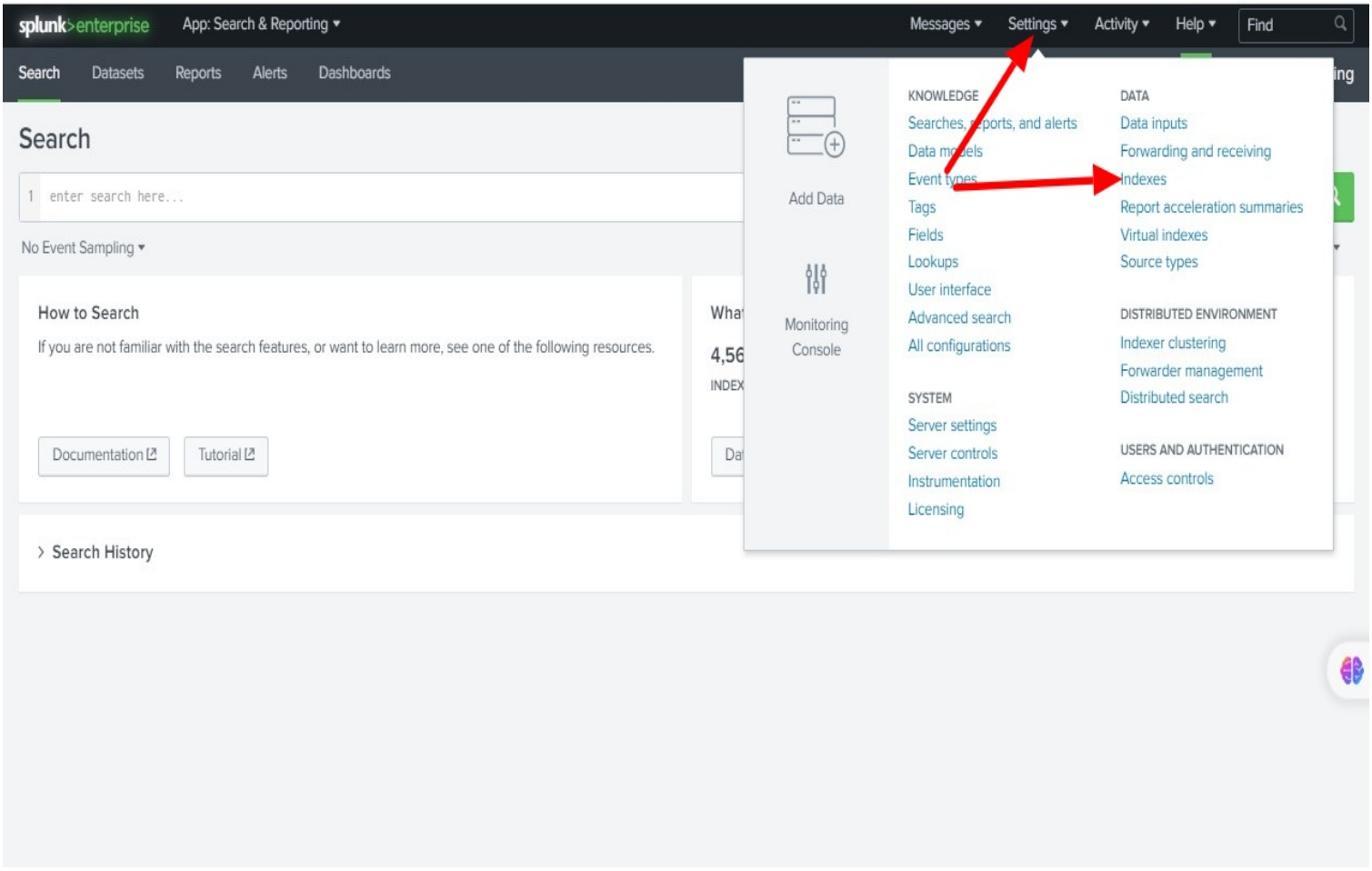
Splunk is a software platform designed for searching, monitoring, and analyzing machine-generated data in real time. It provides insights into various data sources, including logs, events, and metrics, allowing organizations to gain information and troubleshoot efficiently. Splunk is widely used for log management, security information and event management (SIEM), and business analytics.



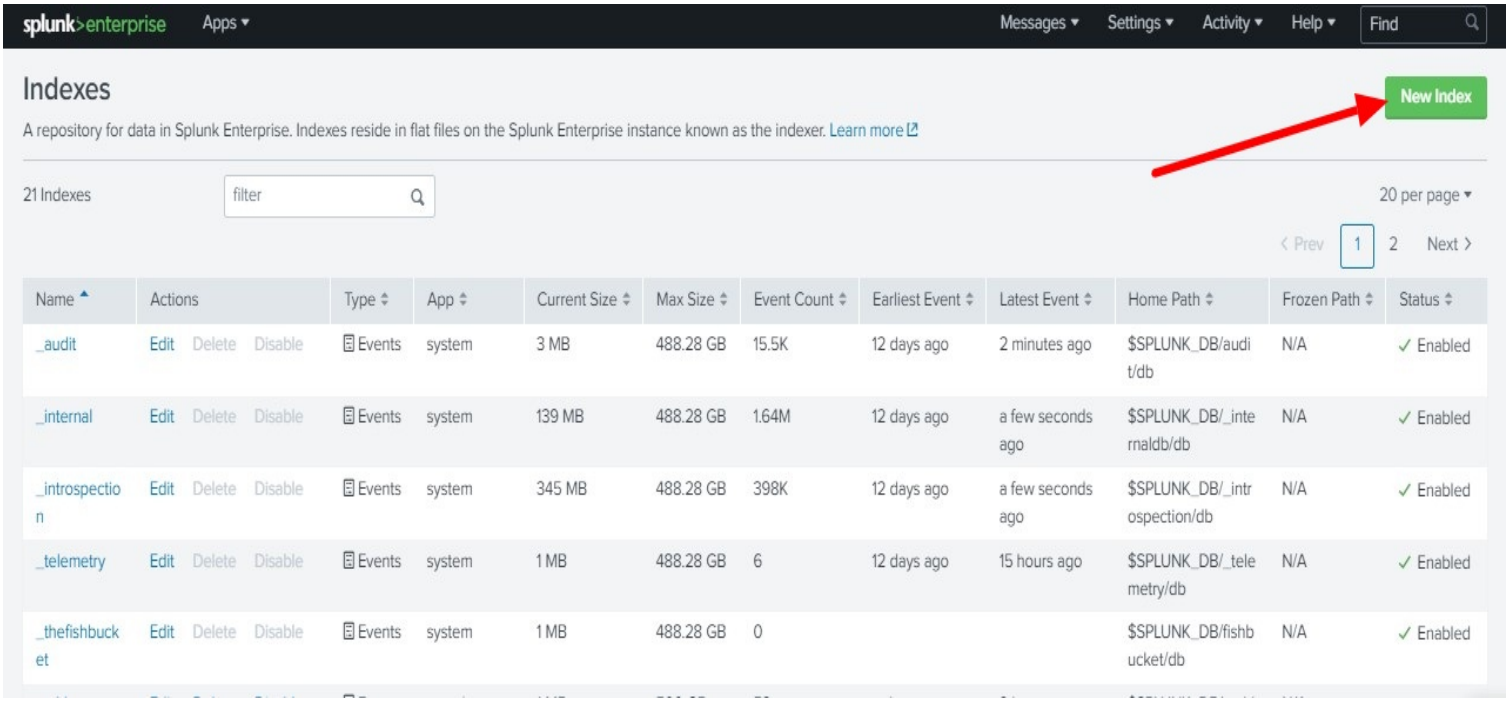
We are configuring Splunk HTTP Event Collector (HEC) which allows Ezelogin logs to be streamed to Splunk

Step 1: Log in to **Splunk** and refer to the steps to create an index for Ezeelogin.

Click on **Settings -> Indexes**



Step 2: Click on **New Index** to create a new index.



Step 3: Enter the Index Name and Save it. We need to add the following indexes for streaming Ezeelogin Logs

authlog

ezsh_activity

sshlogs

web_activity

server_activity

parallel_shell

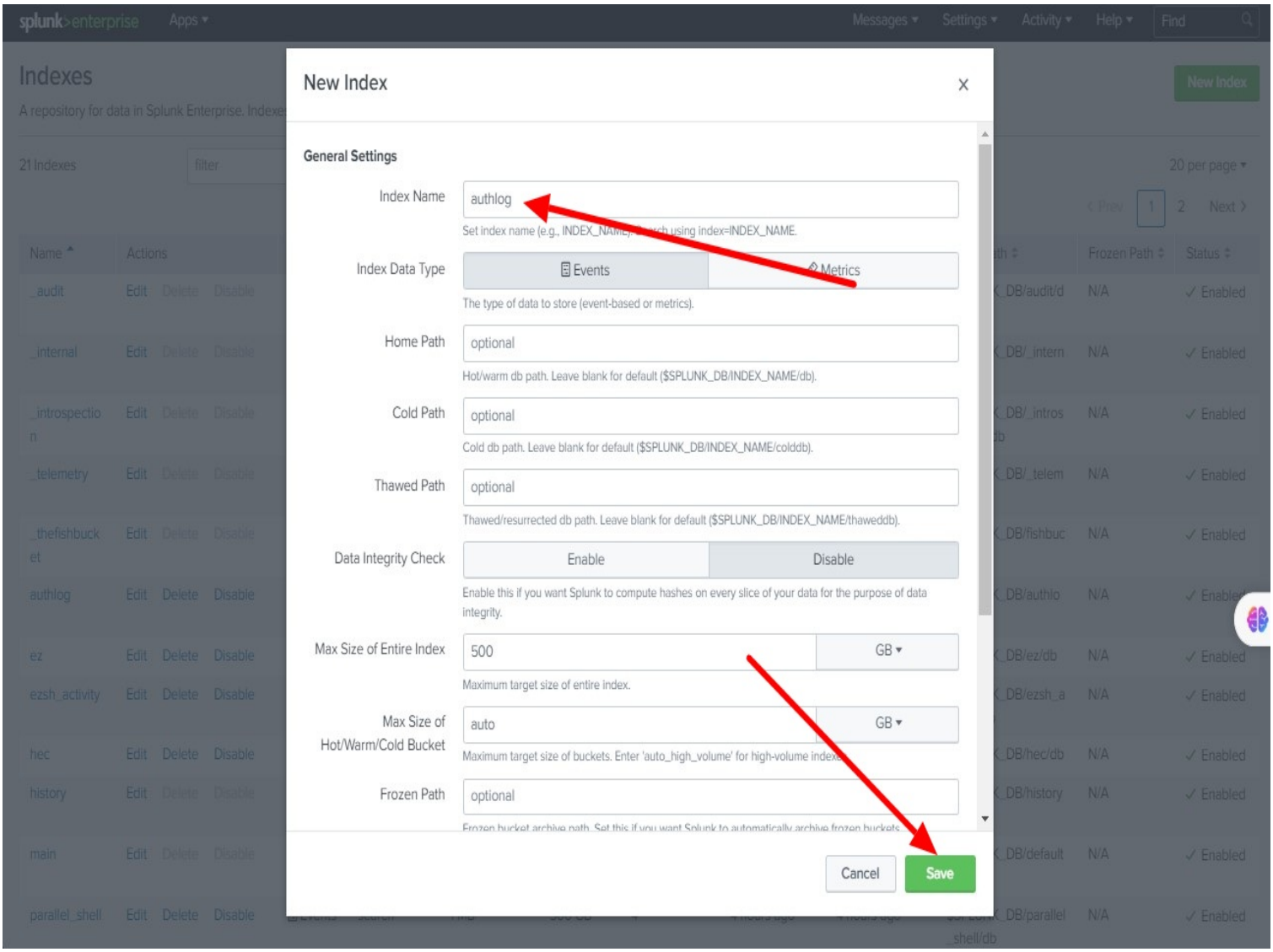
rdplogs

web_proxy

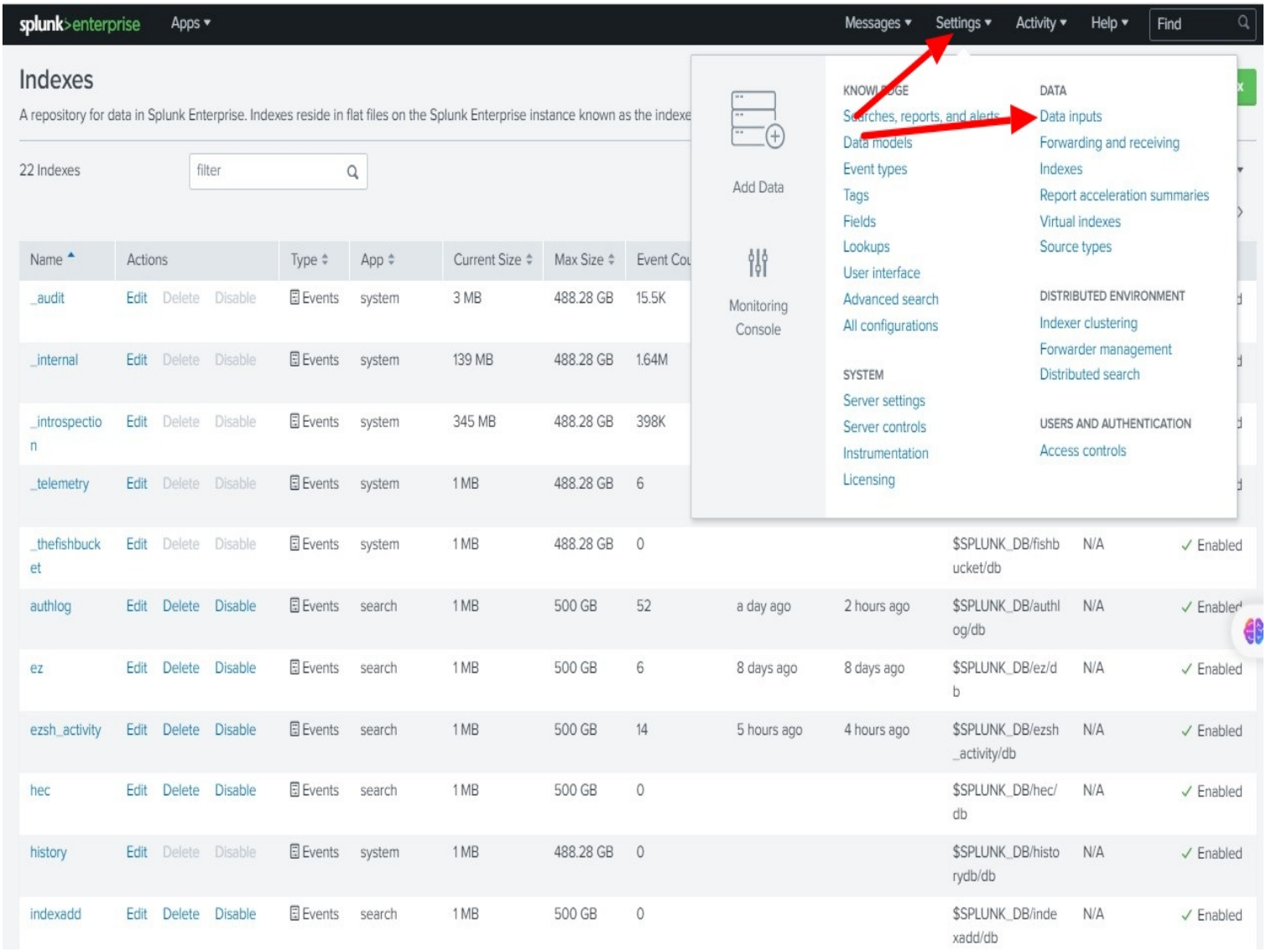
web_proxy_activity

scplogs

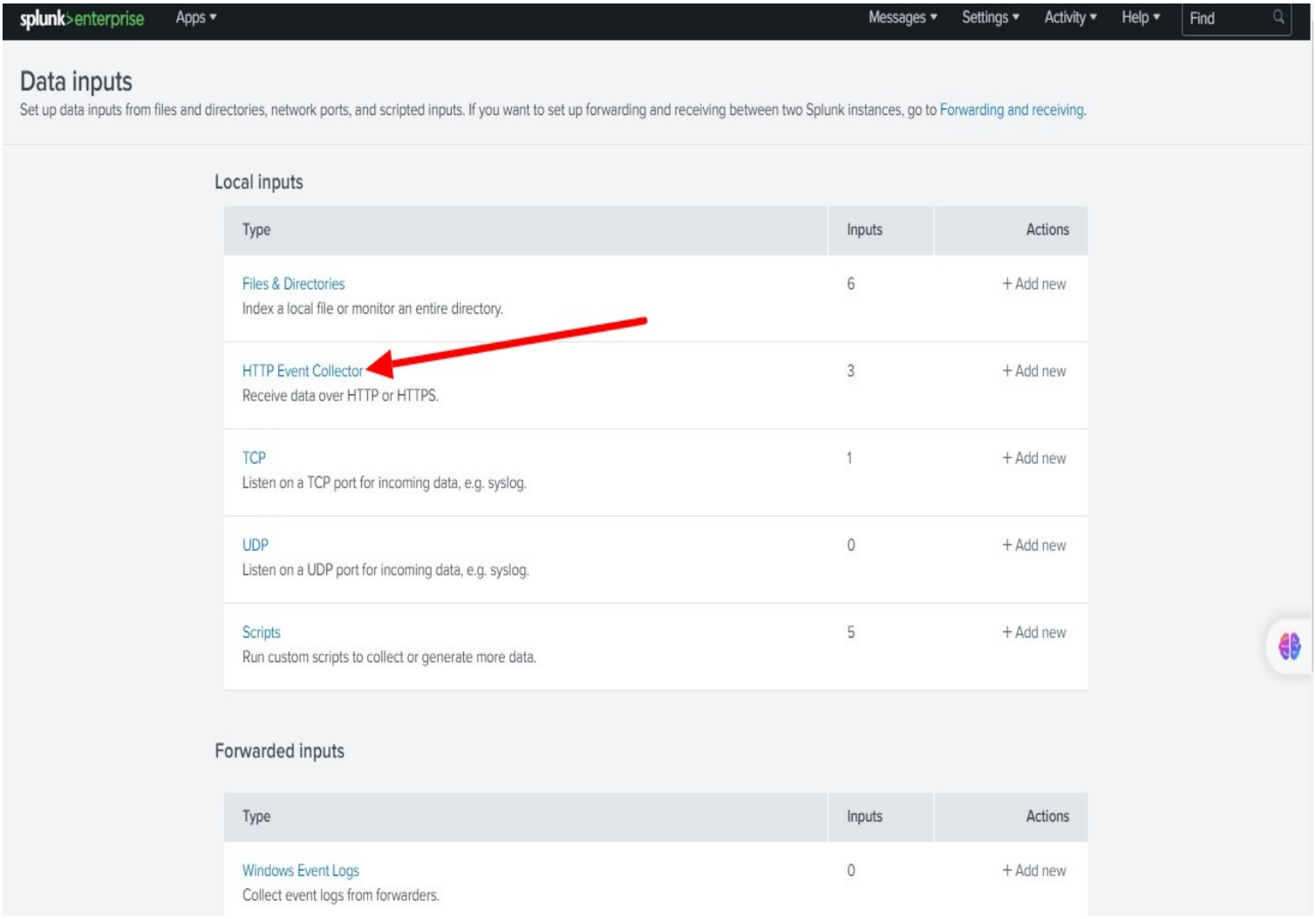
Add all the above indexes one by one as follows.



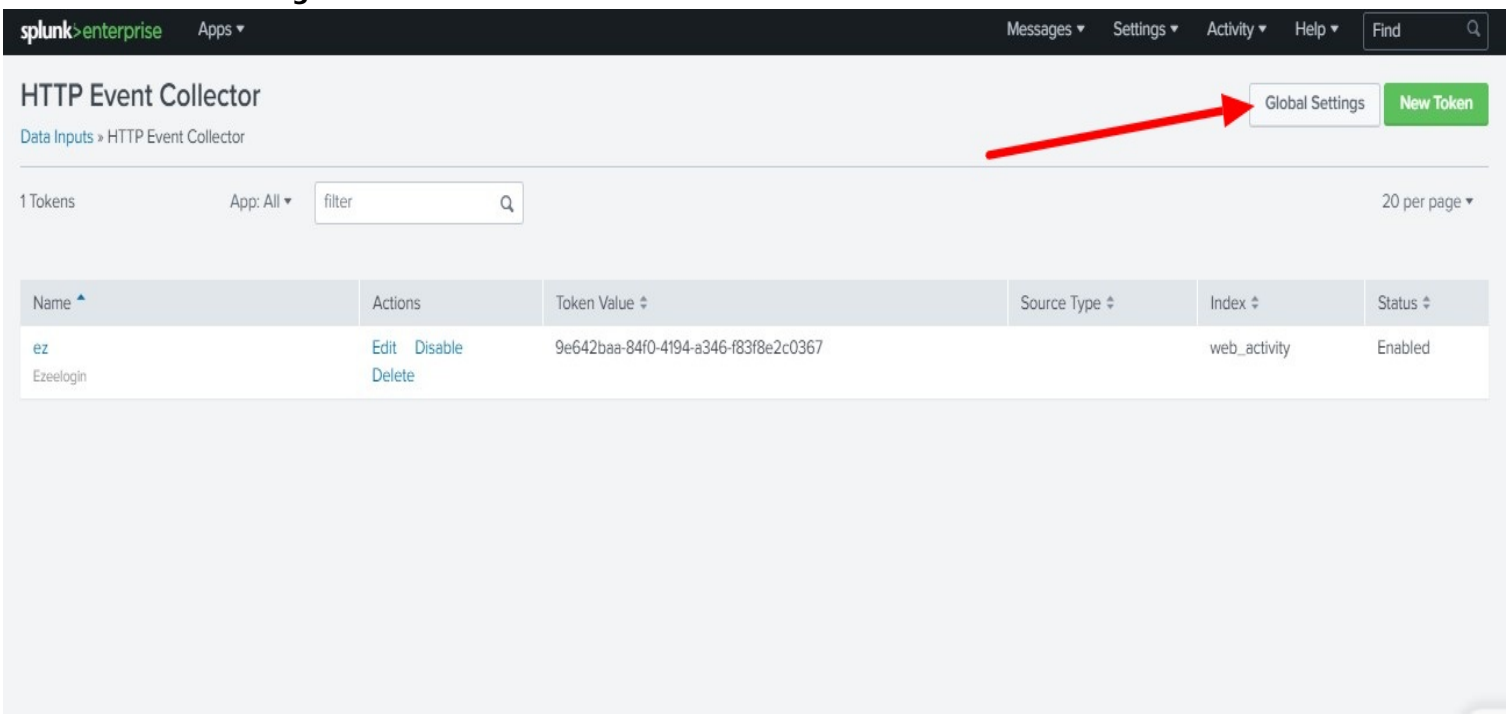
Step 4: Create **HTTP Event Collector** and enable **Global Settings**
Step 4 A: Click on **Settings -> Data inputs**



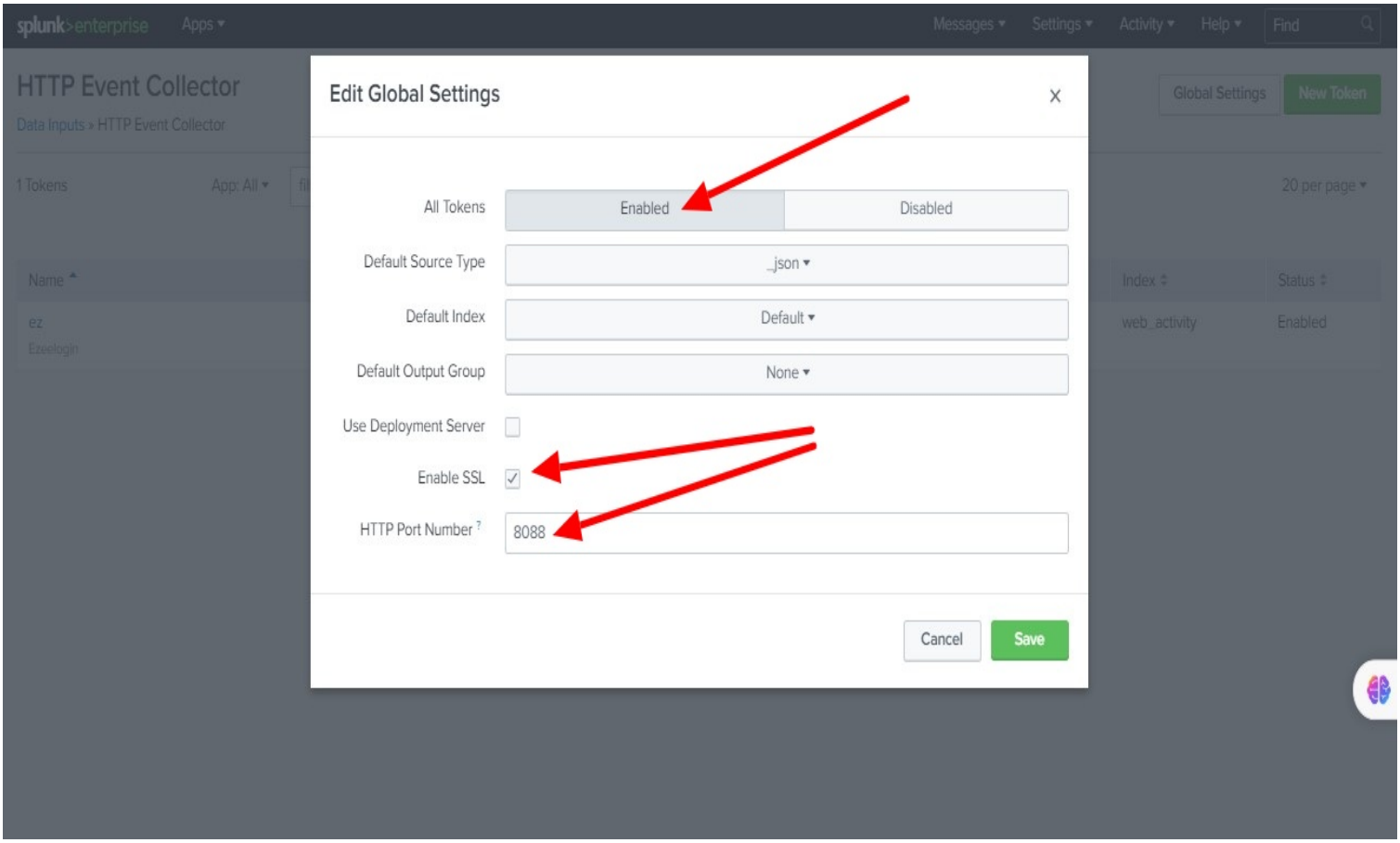
Step 4 B: Click on **HTTP Event Collector**



Step 4 C: Enable **Global Settings**
click on **Global Settings**

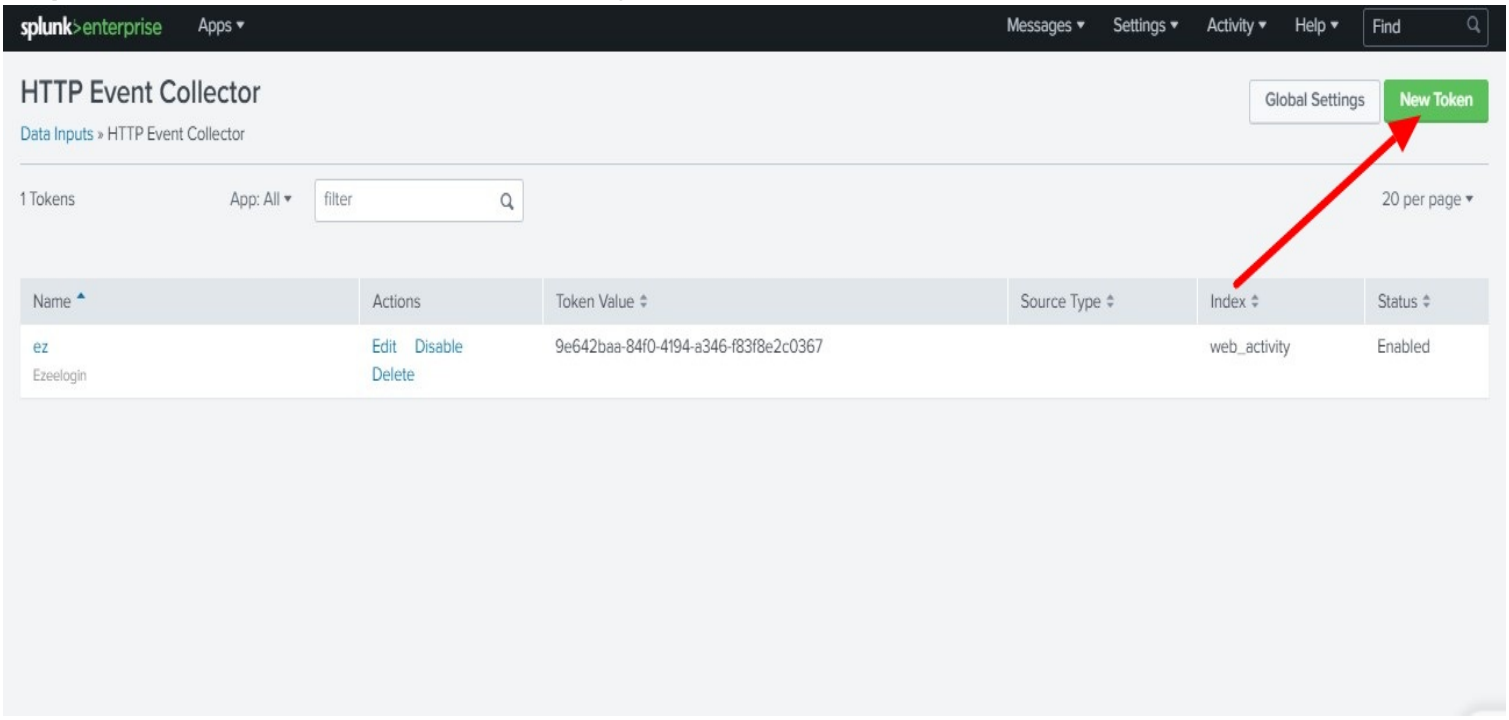


Step 4 D: Click **Enabled** -> **Enable SSL** (optional) ->Specify **HTTP Port Number (8088) -> Save**

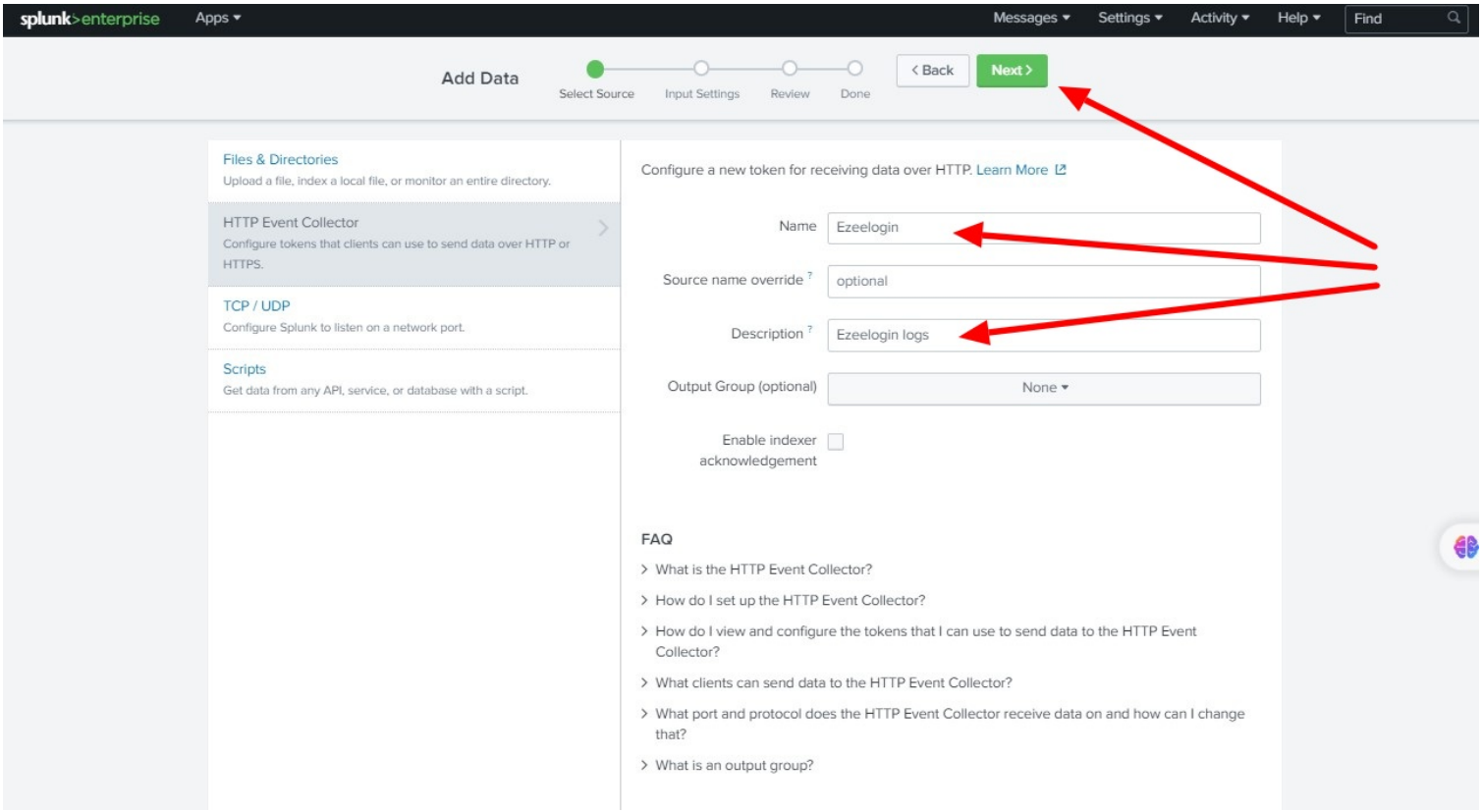


Create HEC Token

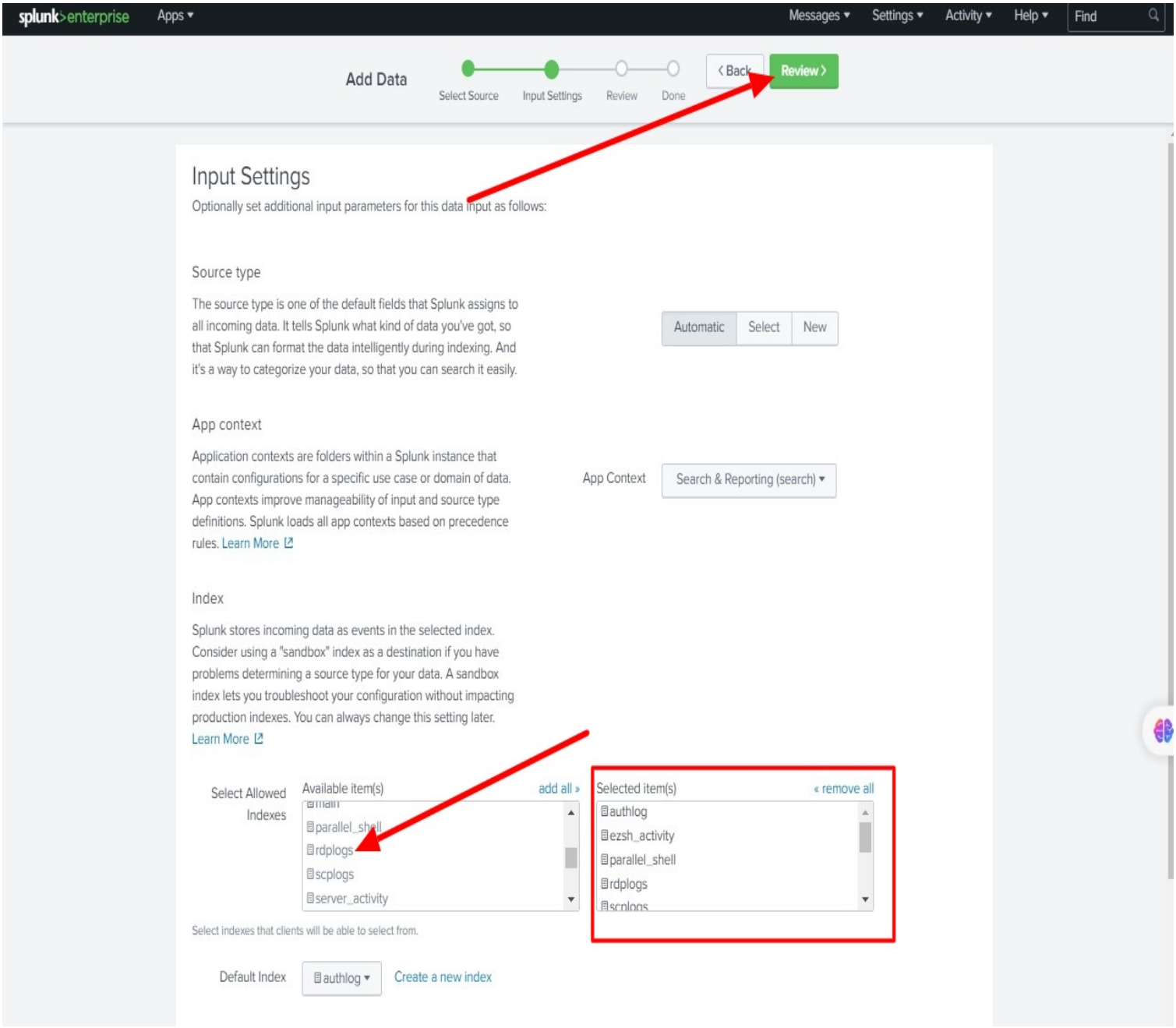
Step A: Click on **New Token** to create a security token.



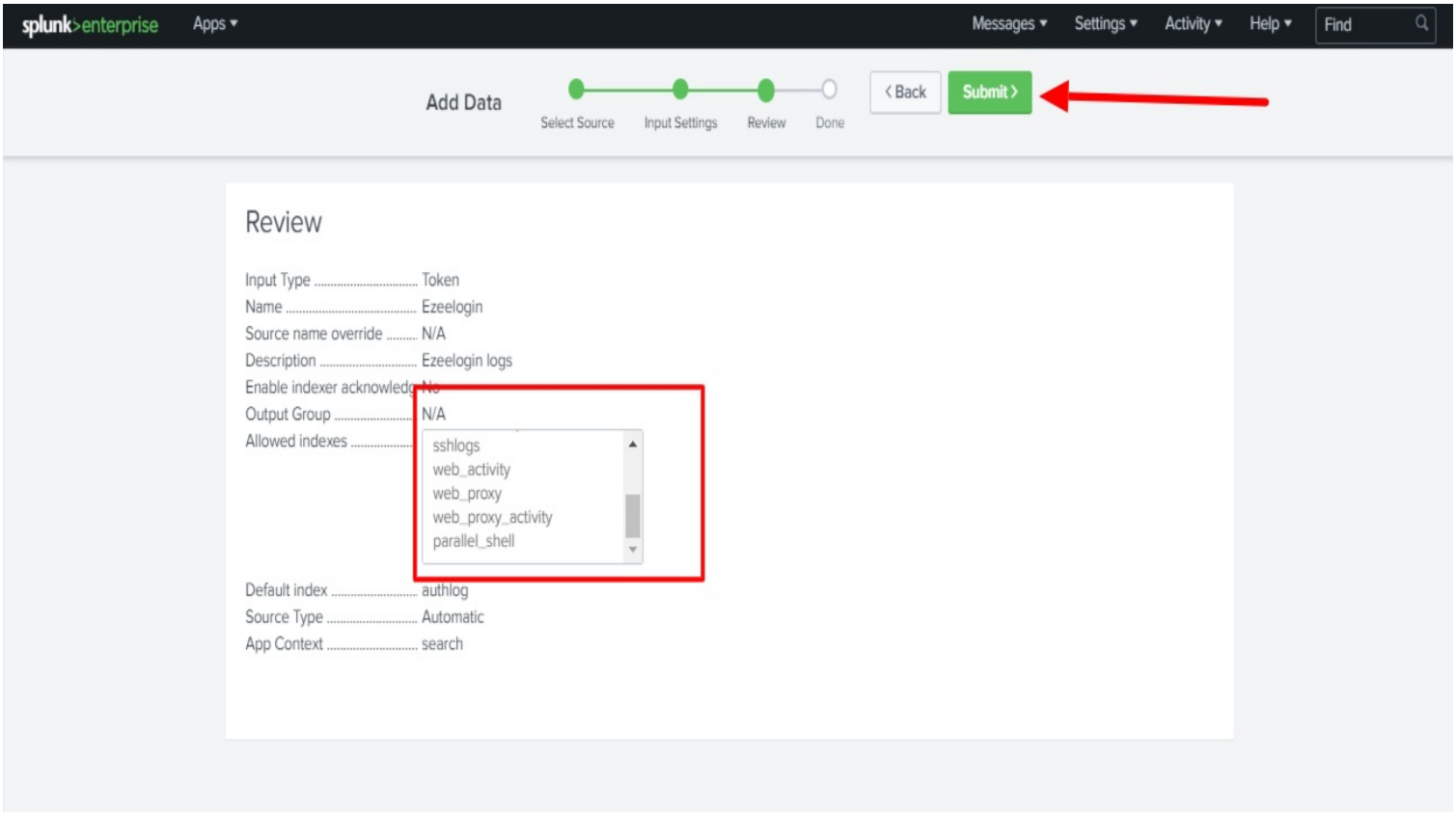
Step B: Enter **Name (** Ezeelogin **) ->** Description (optional) - **>** click **Next**



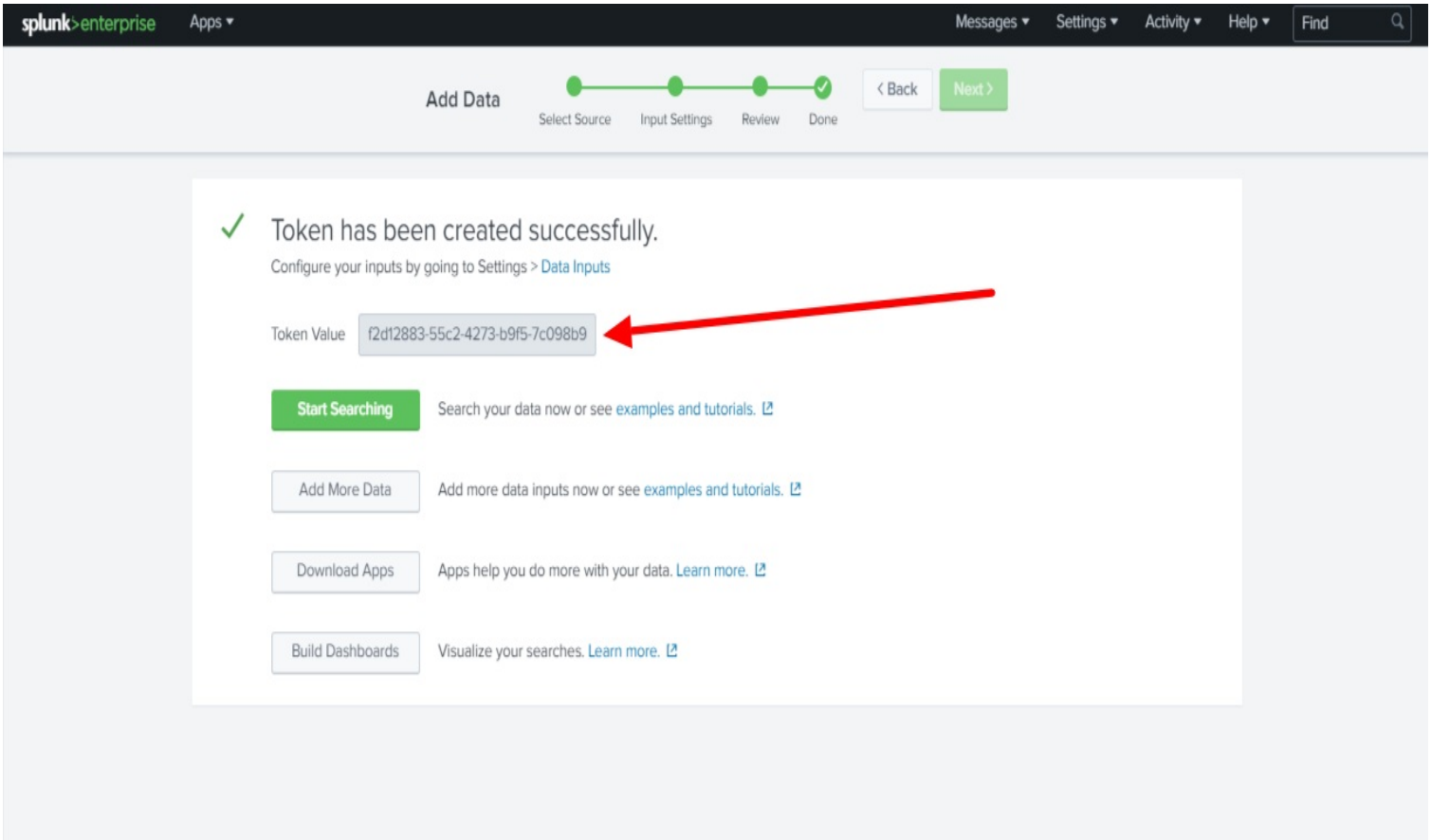
Step C: Select and Add the Indexes which created for Ezeelogin " **authlog, ezsh_activity, sshlogs, web_activity, server_activity, parallel_shell, rdplogs, web_proxy, web_proxy_activity, scplogs** " -> Click **Review.**



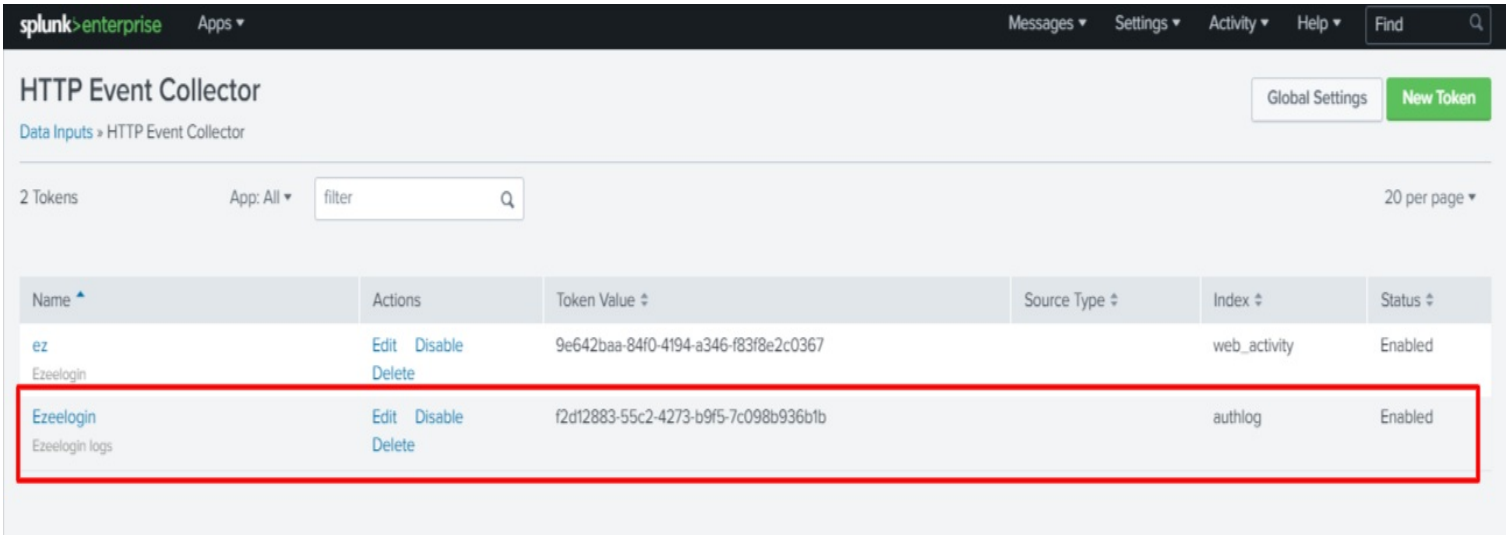
Step D: Review and make sure that you have selected all the indexes created for Ezeelogin and click **Submit.**



You can view a success message **"Token has been created successfully."** on the next window. You can find a Token and copy the **Token Value** from the window.



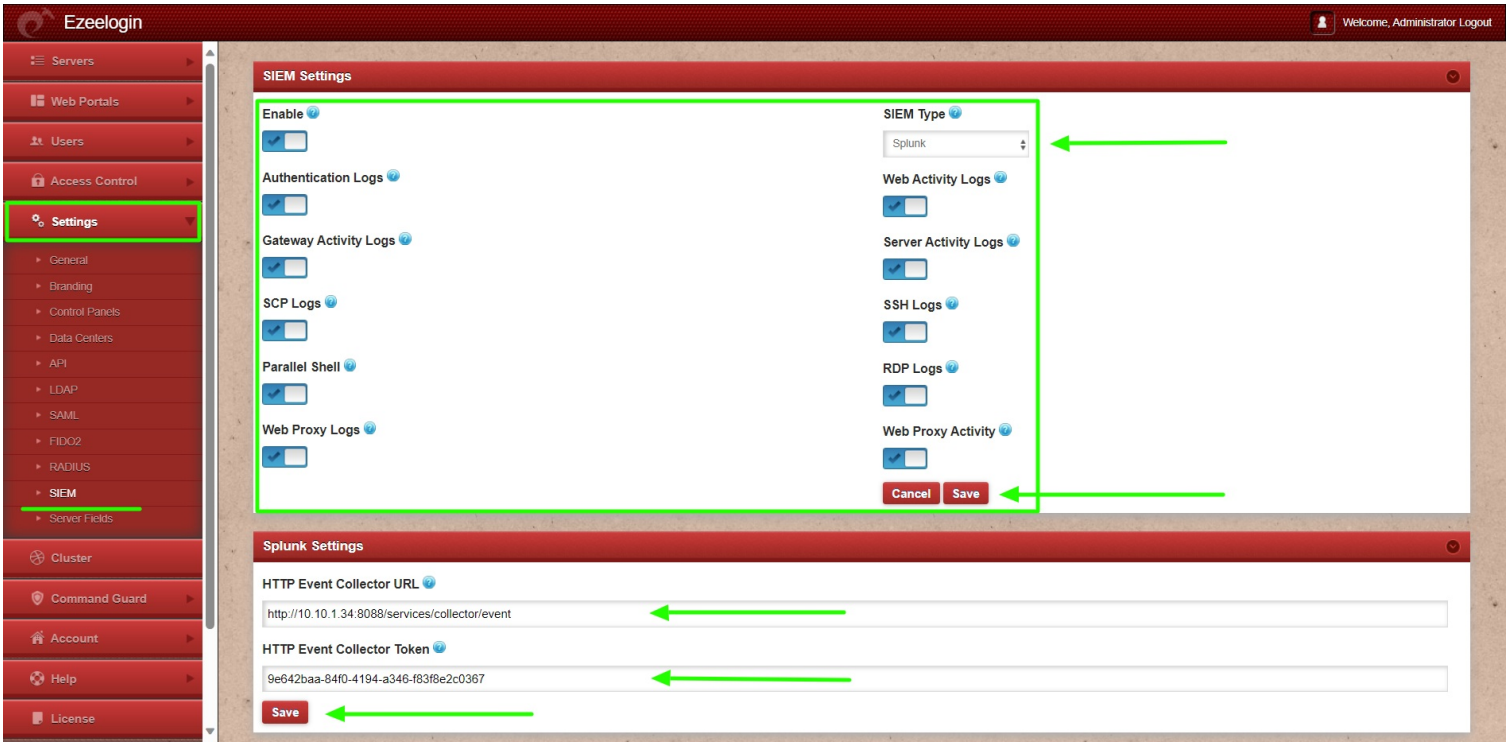
You can also view the tokens created from **Settings > Data Inputs > HTTP Event Collector**



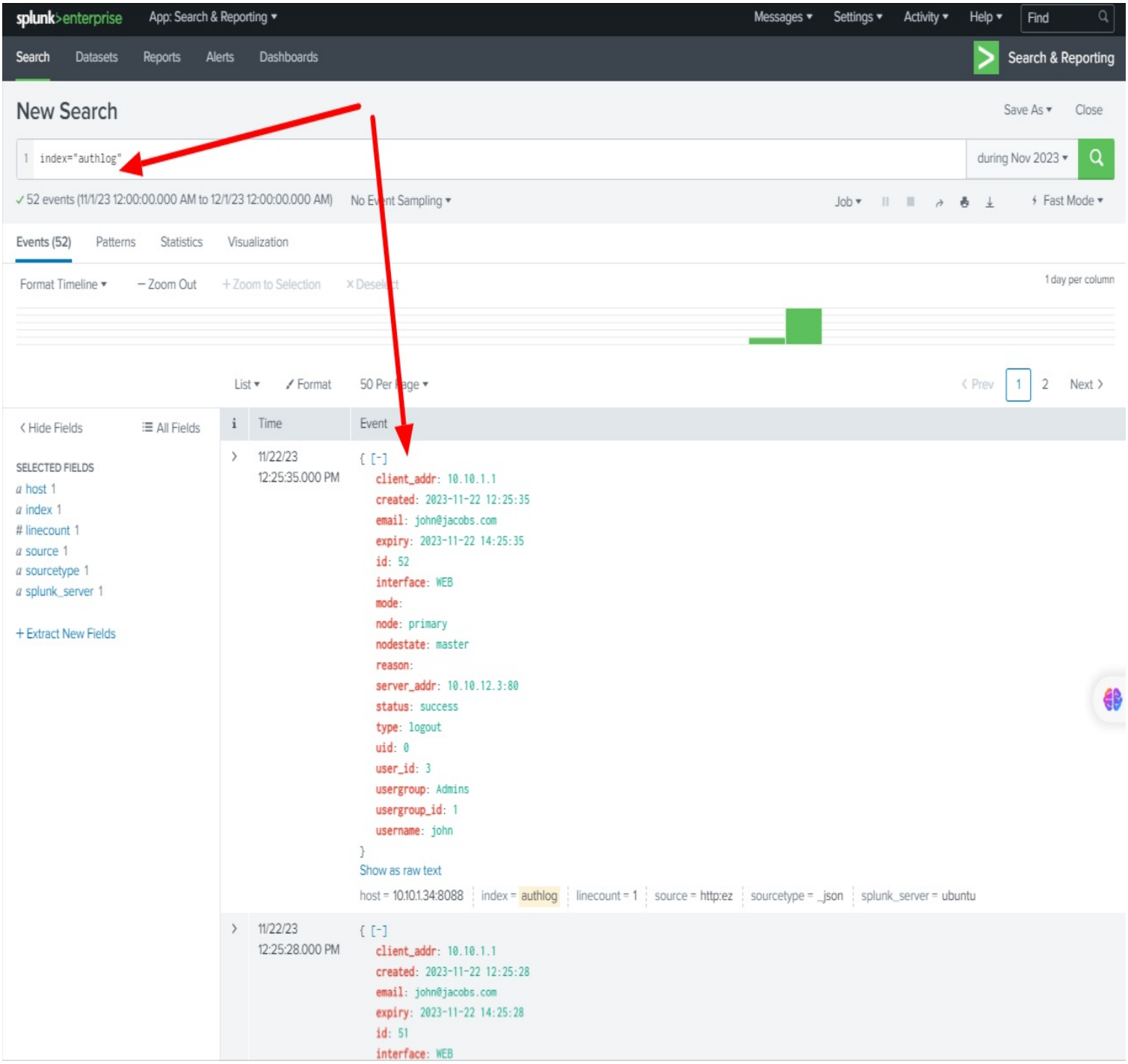
Step 5: Log in to Ezeelogin GUI to configure the Splunk settings in Ezeelogin.

Login to **Ezeelogin GUI > Settings > SIEM > Enable SIEM, Web Activity Logs, Server Activity Logs, SSH Logs, RDP logs, Web Proxy Activity, Authentication Logs, Gateway Activity Logs, SCP Logs, Parallel Shell, Web Proxy Logs > Save.**

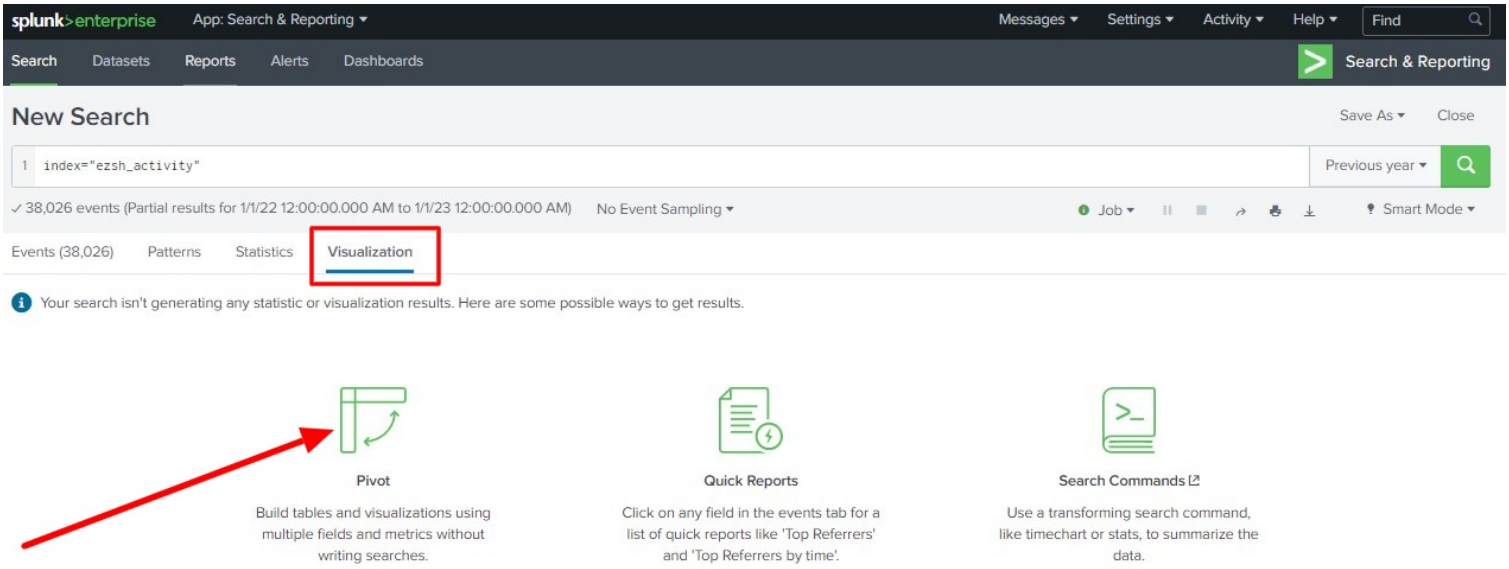
Splunk Settings
Add **HTTP Event Collector URL: https://mysplunkserver:8088/services/collector/event** (Replace **"mysplunkserver:8088"** with the **URL** and **Port** of your Splunk server)
Add **HTTP Event Collector Token: 9e642baa-84f0-4194-a346-f83f8e2c0367 (**you can find the HTTP Event Collector Token from your Splunk server **Settings > Data Inputs > HTTP Event Collector**)



Now you can view the Ezeelogin logs on Splunk.
For example: Ezeelogin Authentication logs can be viewed by searching the **index="authlog"**

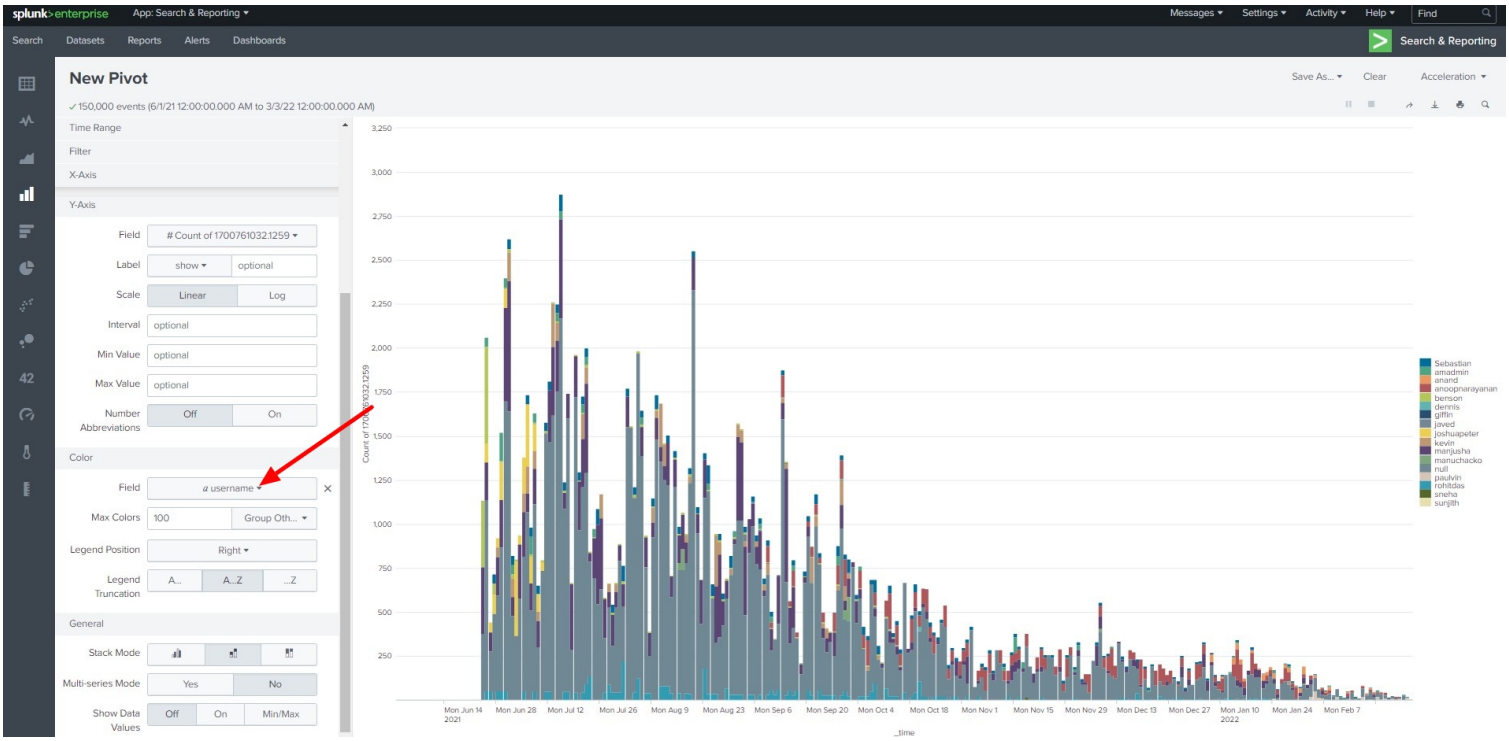


You can create visualizations from the data using the "**Visualization**" feature
Click on **Visualization** then click **Pivot**

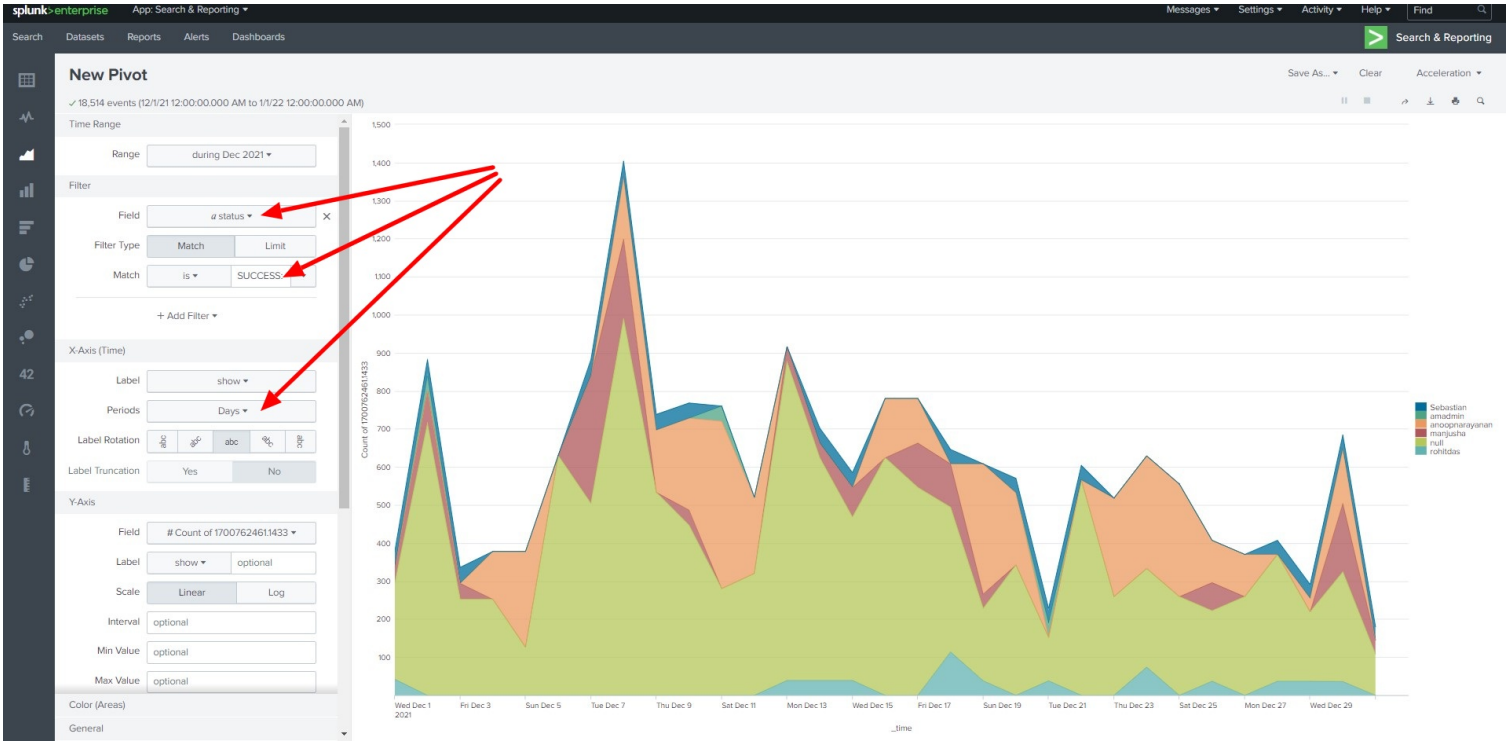


You can create different types of Visualizations from the data

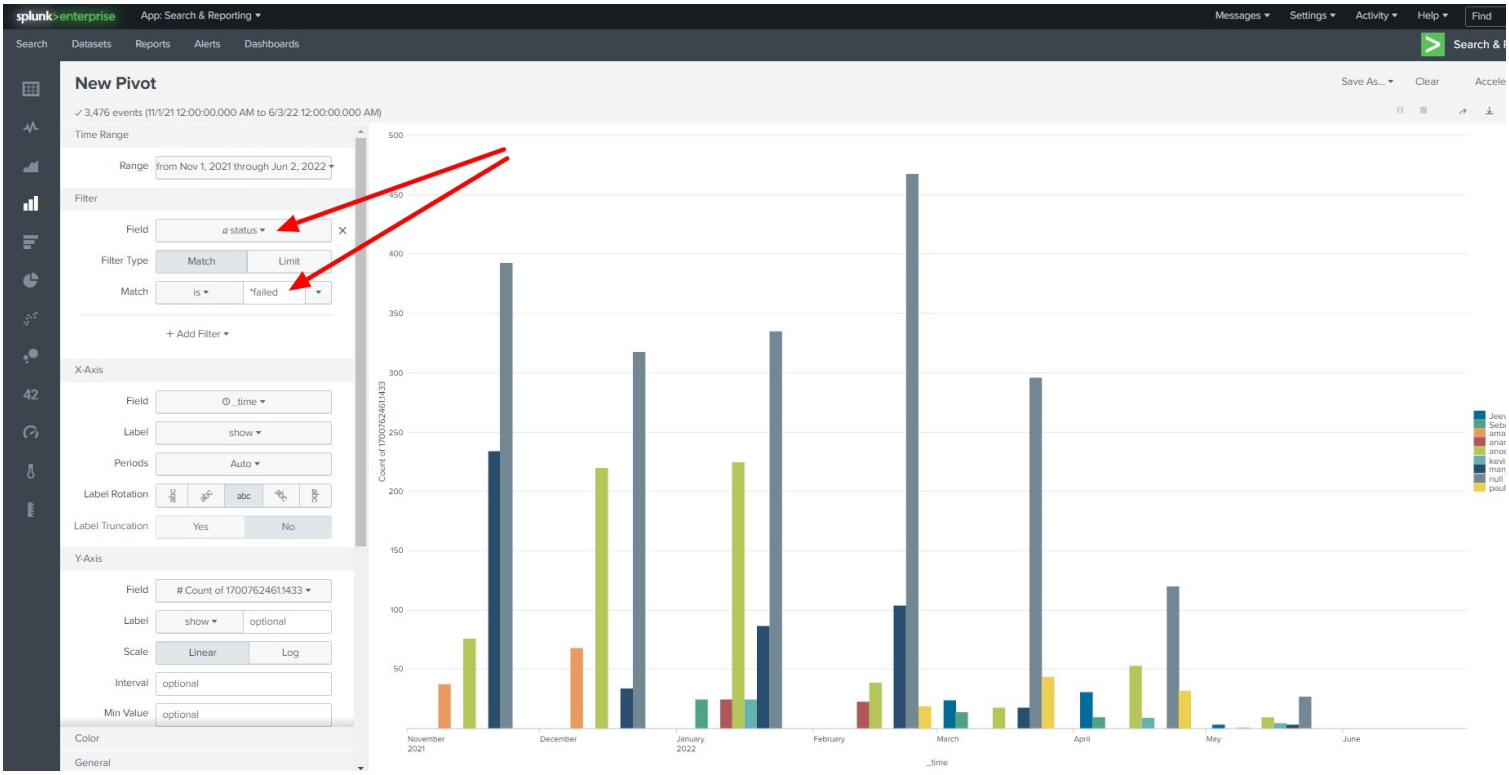
Top user access to Ezeelogin shell



Successful Login attempts to the Ezeelogin gateway per day



Failed Login attempts to the Ezeelogin shell



Top Daily access from IP address

This feature is available from **Ezeelogin version 7.36.1.** Refer the article to **upgrade Ezeelogin version.**

Related Articles:

Integrate Ezeelogin SSH Jump host with syslog

Audit logs and configurations

Online URL: https://www.ezeelogin.com/kb/article/integrate-ssh-jump-server-with-splunk-for-siem-652.html