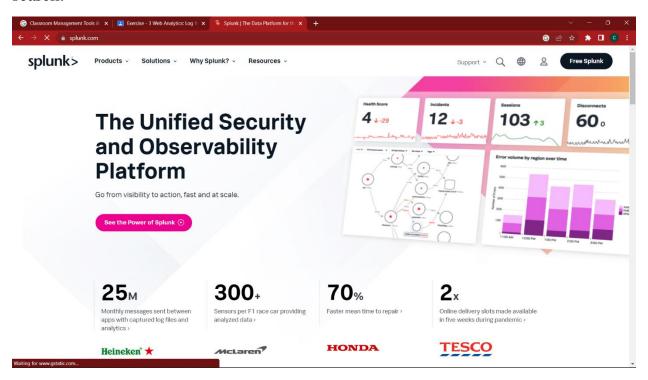
CHARAN N

Log File Analysis

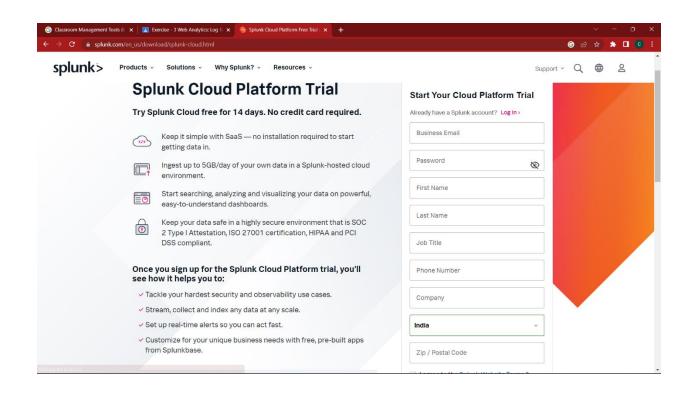
What is Splunk?

About Splunk Enterprise

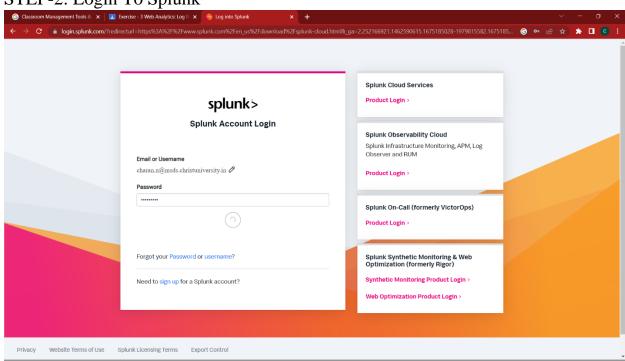
Splunk Enterprise is a software product that enables you to search, analyze, and visualize the data gathered from the components of your IT infrastructure or business. Splunk Enterprise takes in data from websites, applications, sensors, devices, and so on. After you define the data source, Splunk Enterprise indexes the data stream and parses it into a series of individual events that you can view and search.



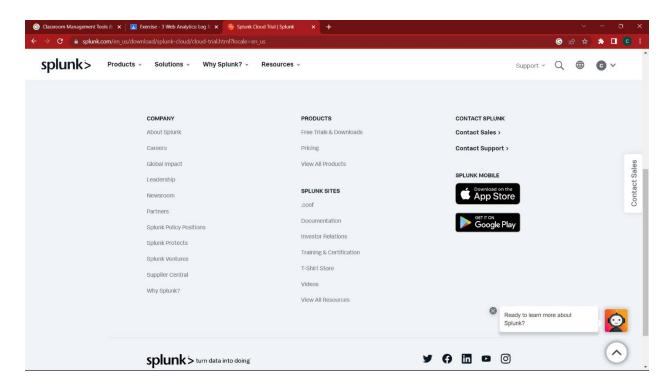
STEP-1: Creating account in splunk



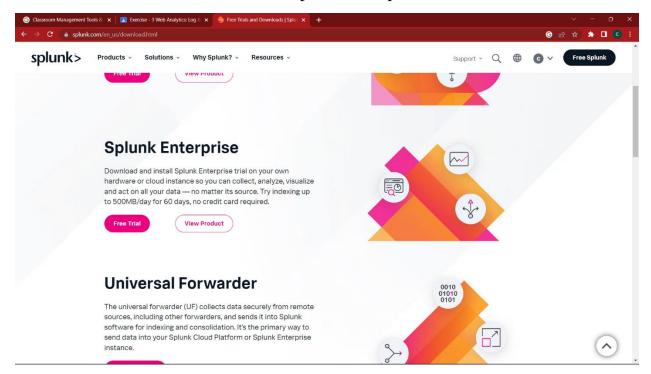
STEP-2: Login To Splunk



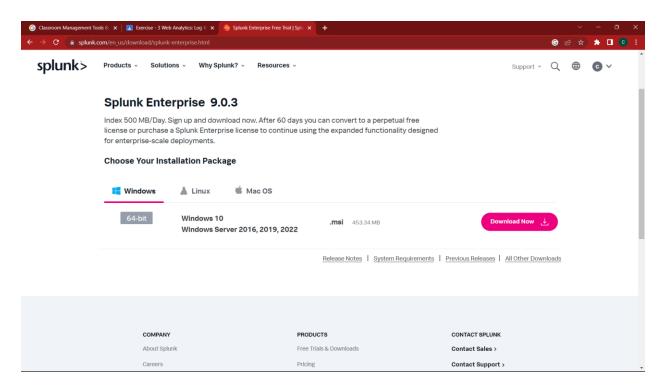
STEP-3: At the bottom of the page, under the products, click free trial and downloads



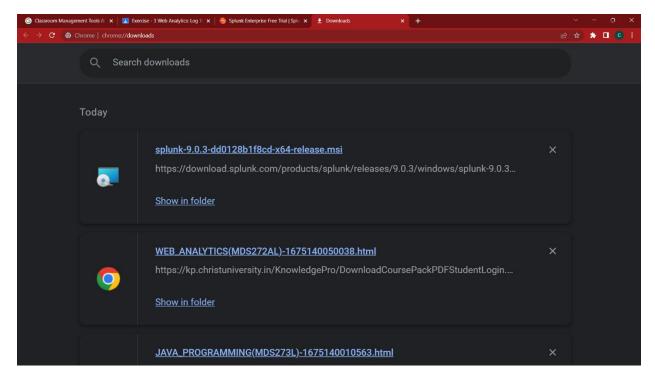
STEP-4: Scroll down and search for Splunk Enterprise and click free trial.



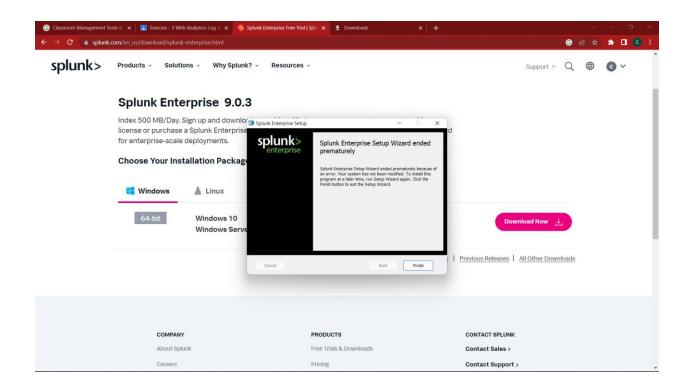
STEP-5: Download the appropriate version for your device



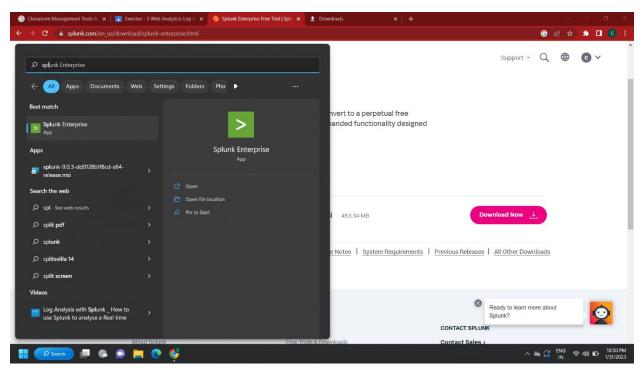
STEP-6: Select the downloaded file and click install



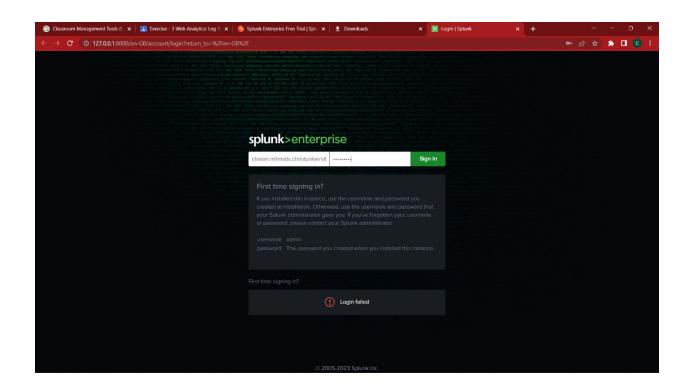
STEP-7: After few steps of installation, a dialogue box appears as this



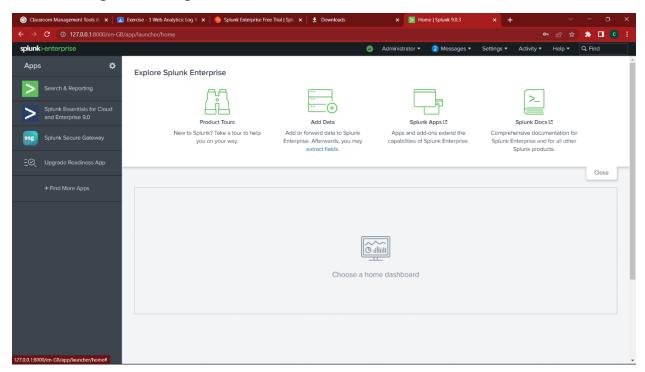
STEP-8: Open the splunk enterprise application



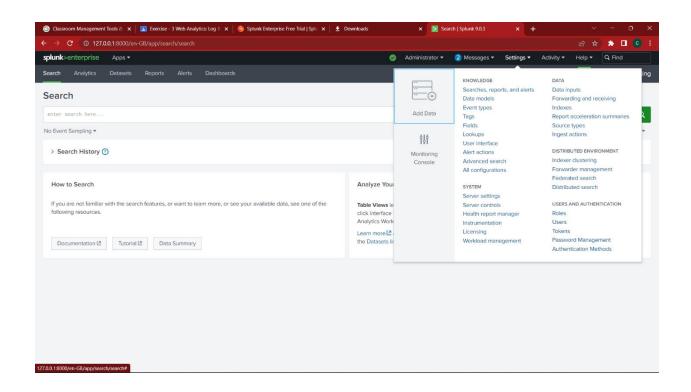
STEP-9: Sign in using the user id and password which you have given on the time of installation



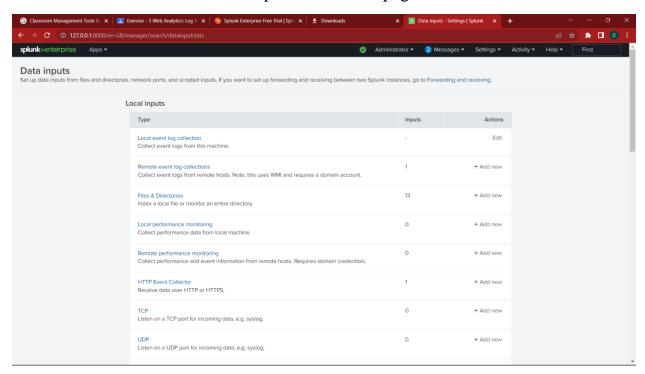
STEP-10: Splunk enterprise looks like this



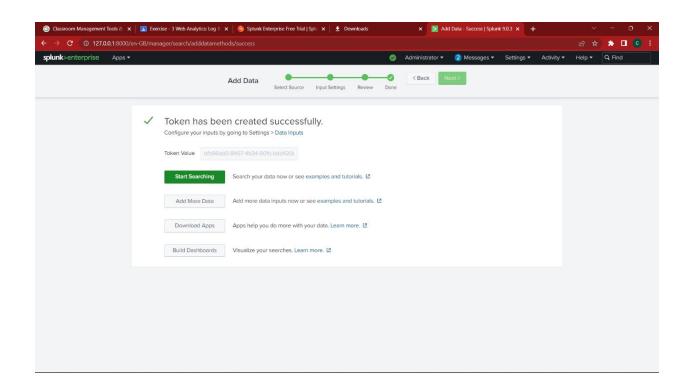
STEP-11: In the settings menu, under data, click data inputs, to see the inputs



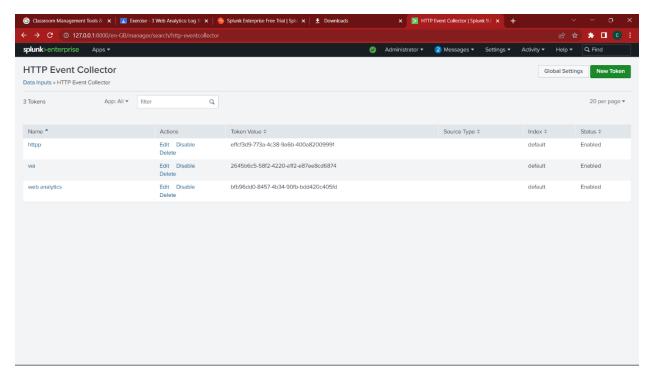
STEP-12: You can see the data inputs in the next page



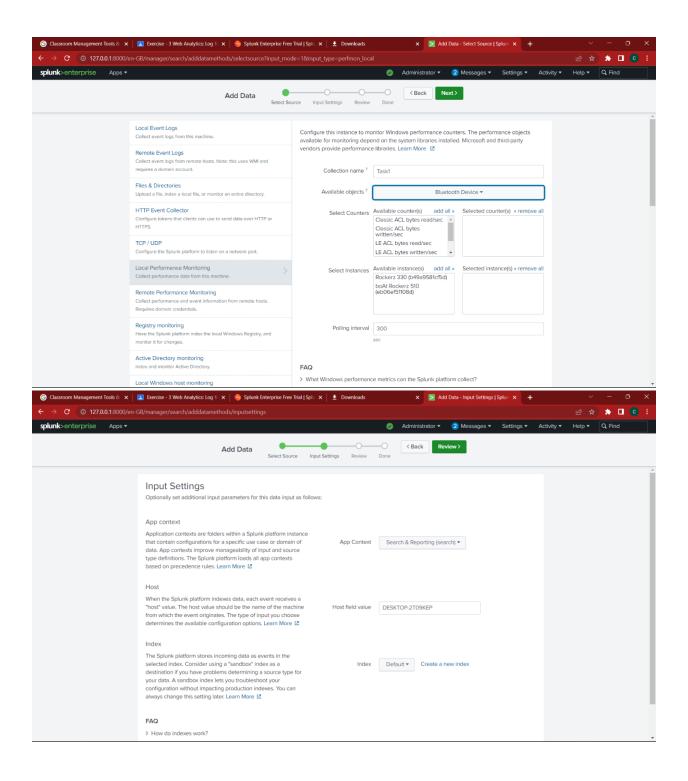
STEP-13: After few steps, Your token will be created.

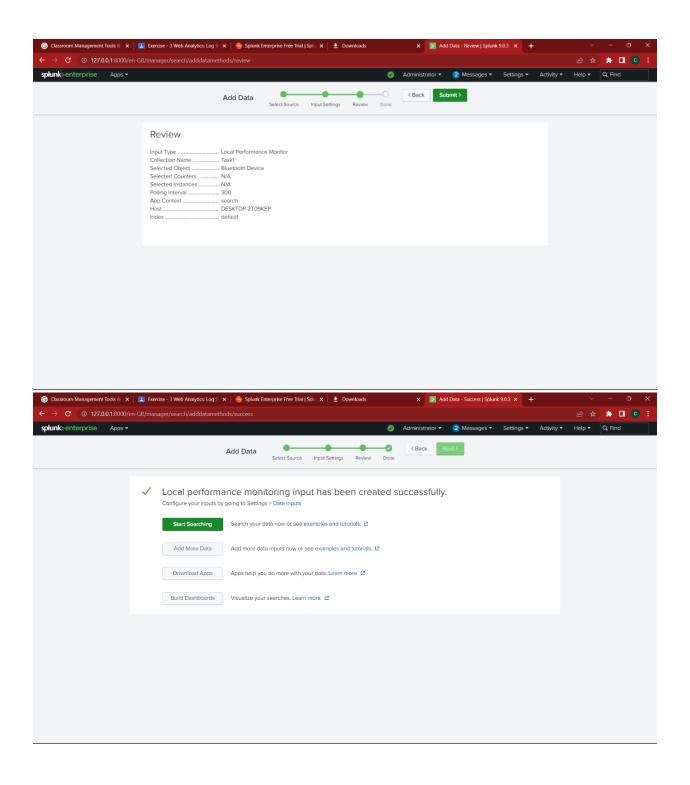


STEP-14: You can see the data available in HTTP event collector

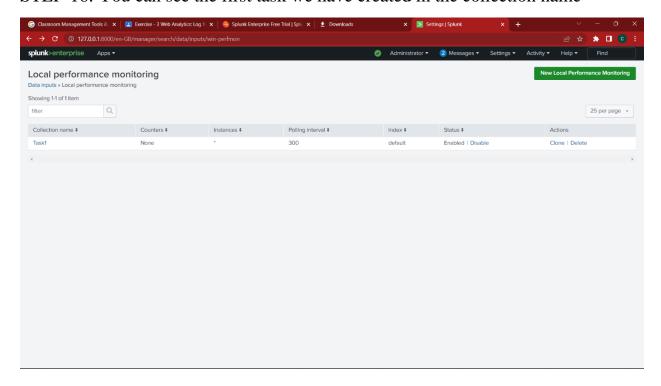


STEP-15: In the local performance mentoring, create the details which you have to see.

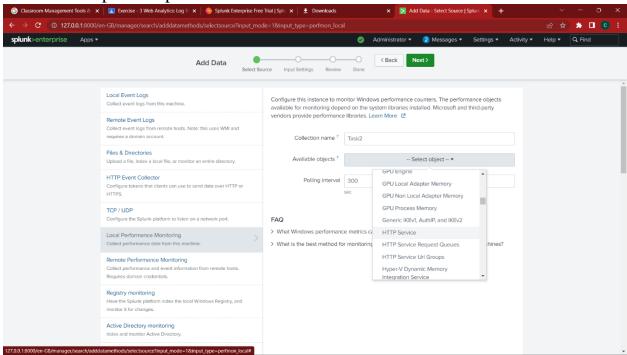


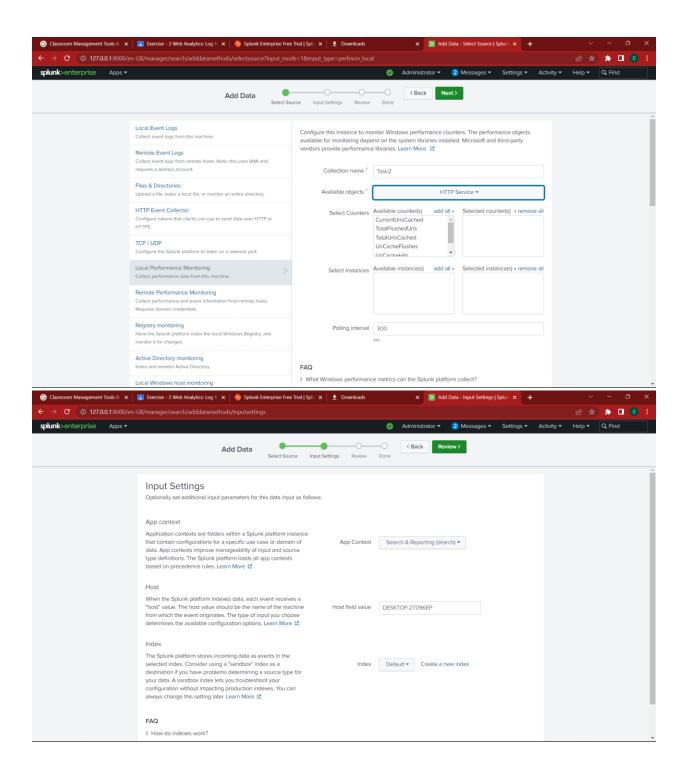


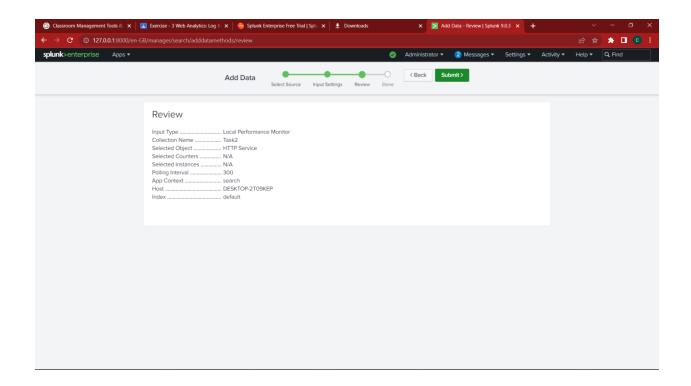
STEP-16: You can see the first task we have created in the collection name



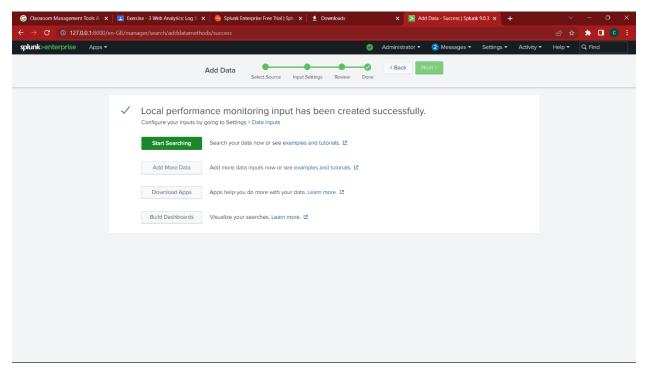
STEP-17: Repeat the process to create another collection



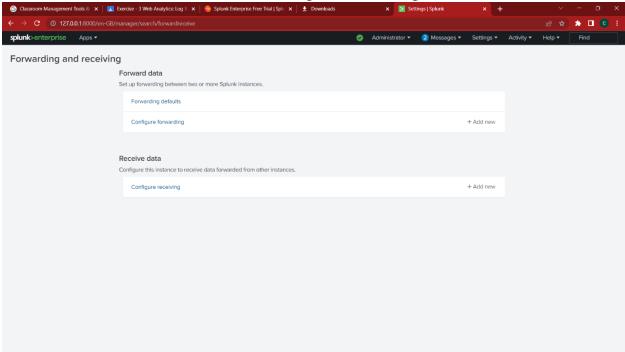




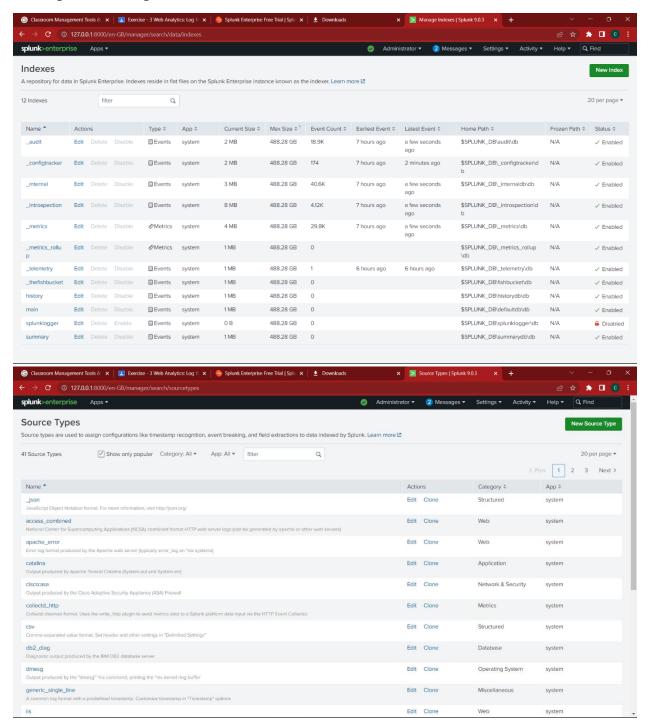
STEP-18: This page shows the local performance monitoring input is created



STEP-19: Next click on to the forwarding and receiving menu



STEP-20: In next pages you can see the indexes and source types. This explains some process in splunk



After this using some stats and visualization technique,

- Now go to Search & Reporting in the home.
 In the search bar search any pipeline and then save as □ new dashboard □ create new dashboard
- It can be visualised in bar graph/column graph/pie-chart and so on.
- We can edit the dashboard and add a new panel or a report to the existing dashboard.
- Edit □ Add Panel □(select the required dashboard or report to be cloned to the existing). Having a <u>centralized logging system</u> makes life easy for developers especially when there is a need to troubleshoot the application, detect issues, secure the application due to unexpected hits on services or review the performance of the application, etc. Some of the great features of a centralized logging system are its low-cost maintenance, easy logs searching, graphical UI etc.
- A dashboard is used to represent tables or charts which are related to some business meaning. It is done through panels. The panels in a dashboard hold the chart or summarized data in a visually appealing manner. We can add multiple panels, and hence multiple reports and charts to the same dashboard.

