# Queries

## Total Number of Applications - Metric

Add Metric Element then go to Data change Data Source and execute the following SQL query:

SELECT count(distinct

context.tags.application) as cnt FROM "apm-\*"

## Total Number of Applications in Poor Health - Metric

Add Metric Element then go to Data change Data Source and execute the following SQL query:

SELECT err from(select (a\*100/b) as err from(select count(context.tags.application) as b, count(context.tags.error\_code) as a from "apm-\*" where context.tags.application is not null group by context.tags.application)) where err > 60

## Total Number of Applications in Medium Health – Metric

Add Metric Element then go to Data change Data Source and execute the following SQL query:

SELECT err from(select (a\*100/b) as err from(select count(context.tags.application) as b, count(context.tags.error\_code) as a from "apm-\*" where context.tags.application is not null group by context.tags.application)) where err > 40 and err < 60

## Total Number of Applications in Poor Health – Bar Chart

Add Vertical Bar Chart Element then go to Data change Data Source and execute the following SQL query:

SELECT err , plat from(select (a\*100/b) as err , plat from(select count(context.tags.application) as b, count(context.tags.error\_code) as a , context.tags.platform as plat from "apm-\*" where context.tags.application is not null group by context.tags.application , context.tags.platform)) where err > 60

## Total Number of Applications in Medium Health – Bar Chart

Add Vertical Bar Chart Element then go to Data change Data Source and execute the following SQL query:

SELECT err , plat from(select (a\*100/b) as err , plat from(select count(context.tags.application) as b, count(context.tags.error\_code) as a , context.tags.platform as plat from "apm-\*" where context.tags.application is not null group by context.tags.application , context.tags.platform)) where err > 40 and err < 60

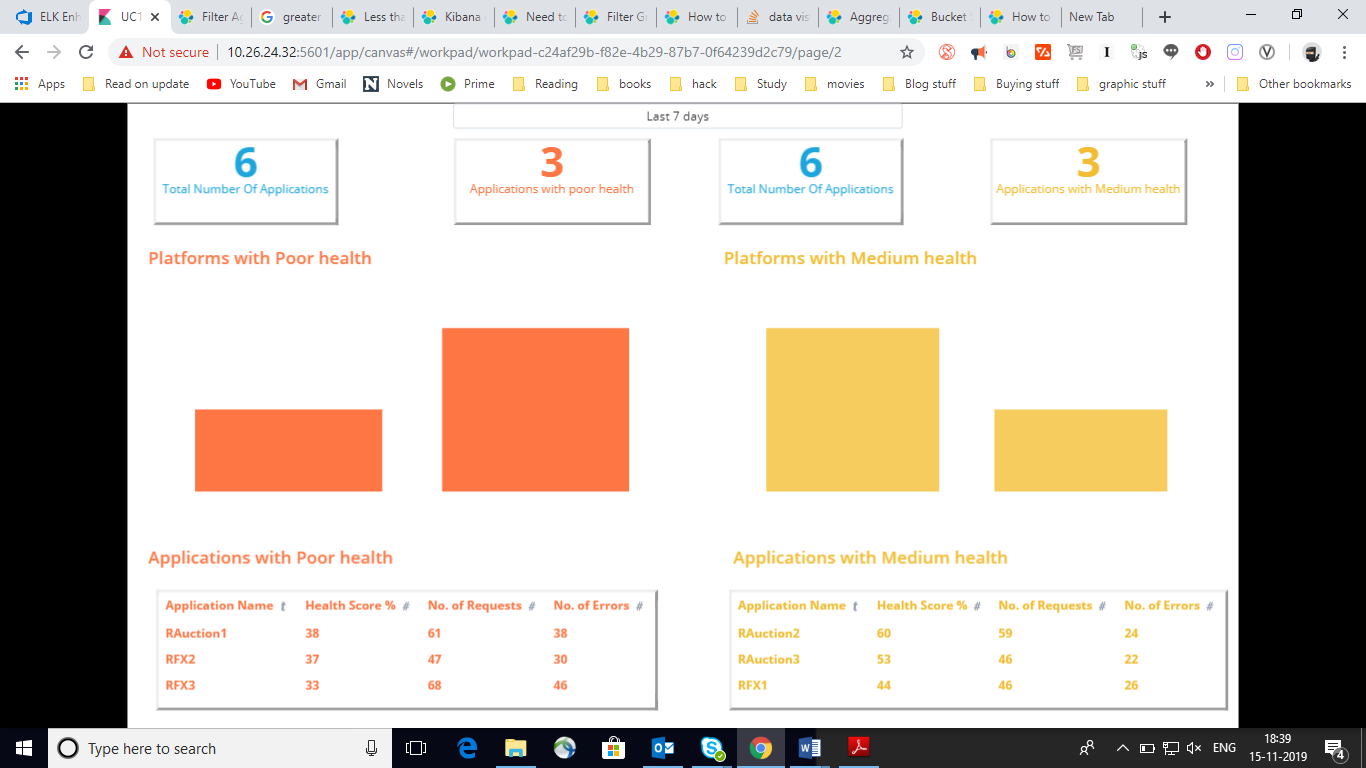
## Total Number of Applications in Poor Health – Table

Add Data Table Element then go to Data change Data Source and execute the following SQL query:

select "Application Name","Health Score %","No. of Requests" , "No. of Errors" from (select context.tags.application as "Application Name" , (100 - ((count(context.tags.error\_code) \* 100)/(count(context.tags.correlation\_id)))) as "Health Score %" , count(context.tags.correlation\_id) as "No. of Requests" , count(context.tags.error\_code) as "No. of Errors" from "apm-\*" where context.tags.correlation\_id is not null group by context.tags.application) where "Health Score %" < 40

## Total Number of Applications in Medium Health – Table

Add Data Table Element then go to Data change Data Source and execute the following SQL query:

select "Application Name","Health Score %","No. of Requests" , "No. of Errors" from (select context.tags.application as "Application Name" , (100 - ((count(context.tags.error\_code) \* 100)/(count(context.tags.correlation\_id)))) as "Health Score %" , count(context.tags.correlation\_id) as "No. of Requests" , count(context.tags.error\_code) as "No. of Errors" from "apm-\*" where context.tags.correlation\_id is not null group by context.tags.application) where "Health Score %" < 60 and "Health Score %" > 40

# Json Used

tags: {

# All fields marked with \* are mandatory.

\*log\_type : #Possible values :DEBUG < INFO < WARN < ERROR < FATAL

\* platform:

\* application:

\* component\_name: #Possible values : API Name, Batch Job name

\* component\_type: #possible values : API,NonAPI

\* correlation\_id:

sub\_application :

\* response\_time : #Need to populate at the end of transaction.

\* is\_error: #Identify if error occurred in the transaction. If no error set to false,otherwise set to true.

#Placeholder for business events e.g. screen views/clicks logged through a single API(e.g. getDataForCharts)

event\_id :

event\_name :

\* user\_id :

#for Non-API, the interface\_details field is mandatory.

\* caller\_system : # Interface execution initiated by

\* interface\_name : #External System to connect to

\* interface\_component : #API name,Batch/Integration Name

\* intermediate\_system : #Tibco,WSO2 ,any middleware

# Populate Error /Exception details in below fields.

\*severity: HIGH, #defined severity of error. HIGH,LOW,MEDUIM

\*error\_code : #defined error\_code. e.g. Business Exception, Technical Exception

\*error\_message:

}