Kibana

Minimal requirement needed to activate logging through Kibana

1. Need to log output to console, logging to console

we have fluentD daemonsets configured to read those container logs and send to Elastic and to Kibana automatically.

1. Run below kubectl commands
   1. export https\_proxy=http://www-proxy-hqdc.us.oracle.com:80
   2. export http\_proxy=http://www-proxy-hqdc.us.oracle.com:80
   3. kubectl --kubeconfig Oal-kubeconfig-dev --namespace=oic-ms-gxpbt get pods (this will get all pods from namespace **oic-ms-gxpbt**), **Oal-kubeconfig-dev** is GXP dev config file
   4. kubectl --kubeconfig Oal-kubeconfig-dev --namespace=logging get pods (this will get all pods for logging, check for kibana pod)
   5. Now portforward the kibana pod to port for accessing the kibana UI
   6. kubectl --kubeconfig Oal-kubeconfig-dev port-forward <kibana app from get result of command ‘d’> 5601 –namespace=logging
   7. Now hit [**http://localhost:5601/**](http://localhost:5601/)to view Kibana UI

Graphical user interface, application

Description automatically generated

1. Navigate to "Discover" option where we see all logs for all services.

Graphical user interface, text, application, email

Description automatically generated

1. filter using indexes(logstash-oic-ms-gxpbr\*) and options like Pod name/ log level etc in search .

Graphical user interface, text, application, email

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**Visualization**

this is used to visualize the data in charts, tables, maps etc.

here we can create many templates.

Click on visualize

then '+'

and select visualization type (area, heatmap, vertical bars etc)

and then add metrics as per the requirement

**Graphical user interface

Description automatically generated**

**Add metrics to X and Y axis as per requirement**

**Dashboard**

**it is a collection of Visualization panels. And we can have many panels from different services.**

**Click dashboard**

**Create new dashboard**

**Add**

**Chart, waterfall chart

Description automatically generated**