TASK FOR OUTREACHY'15
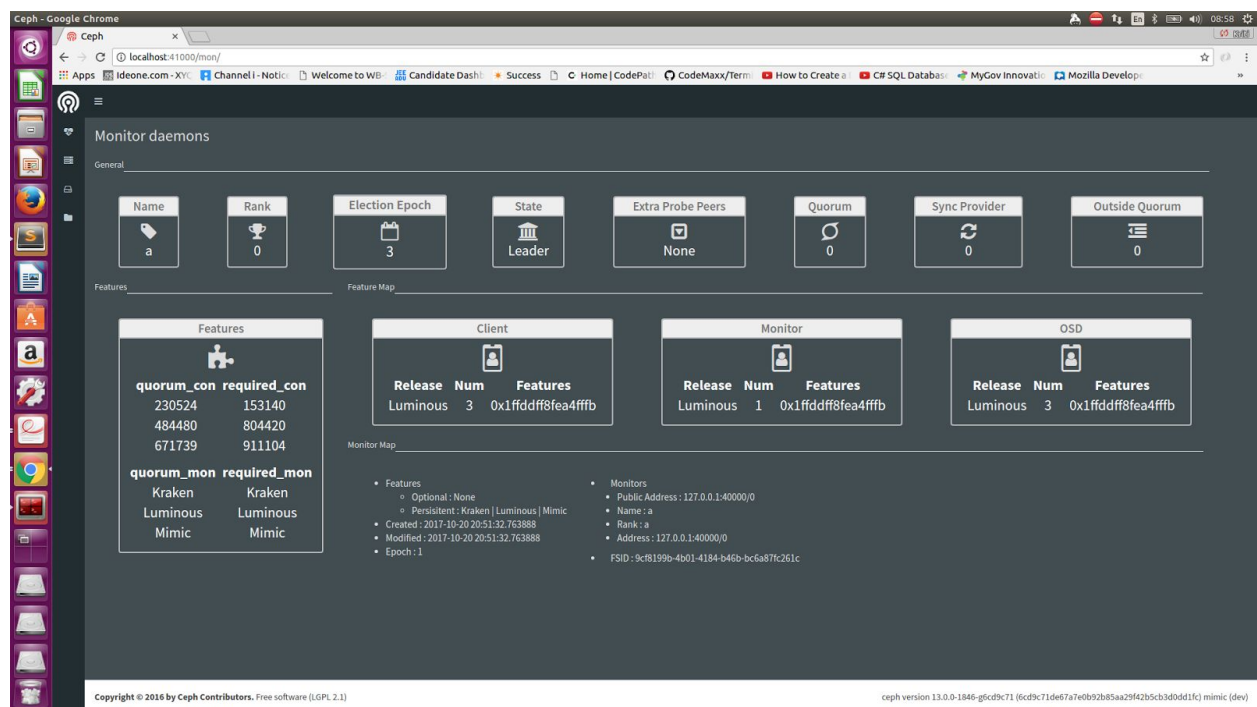
This is written in reference to highlighting the changes made by me in the **task** branch of the fork : https://github.com/kritisingh1/ceph

The aim of the task was to add a view for the monitor daemons' data to be displayed in a separate view which was not there previously in the dashboard. As we know that Ceph is a vast repository with a huge load of data across it. My project titled "Ceph-mgr dashboard improvements" aims to bring all the data into light along with some other goals.

So I have created a view for monitor's data. The page's url is localhost:41000/mon/ upon starting the cluster in a local environment. I have made use of cards to display the data according to their content. Slight transformation property is used which takes into effect when we hover over the cards. Moreover the alignment and maintenance of a general standard pattern is considered while making partitions on the page. The color theme is also well aligned with the existing one.
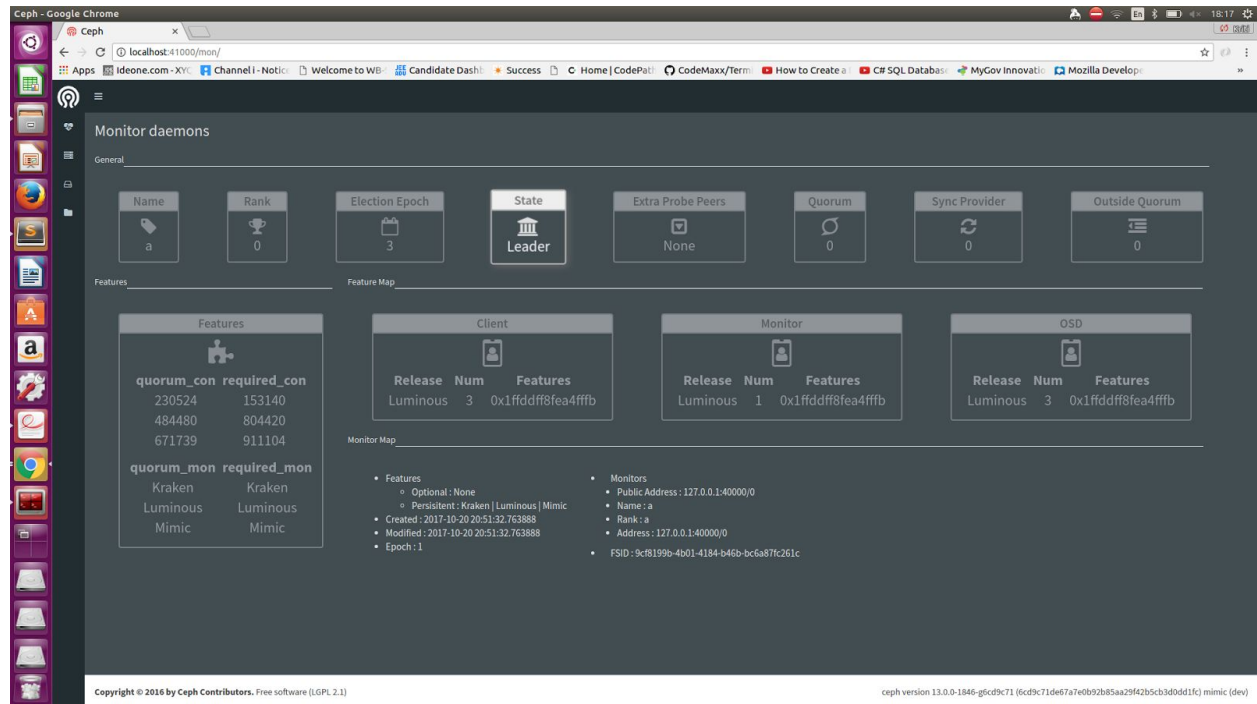
Here is the screenshot of the page I have made :

In fact I wish to completely makeover the user interface of the dashboard and give it a highly professional and standard eye-catching look with extensive use of JavaScript. The page is responsive and well aligned with any resolution as everything, from the div's width and height to the font-size is coded in vw and vh.

To enhance the visual effects I have also added the hover states which dims out the other divs or in general, the whole content section when hovered over a particular div. Other than highlighting it also zooms in and adds a shadow effect to the box.

Something as shown in the picture.

For getting the data represented in the page, as amaredia has pointed out, I needed to get it from the mon_status data structure already present in the repo. So I wrote a small function in ceph/src/pybind/mgr/dashboard/module.py named testing and dumped the mon_status's data at this url : localhost:41000/testing. I used JsonView chrome plugin for a better grasp at the object structure.

Currently the page is hardcoded since there is only one monitor active but I will soon modify its code to work for as many monitors as there are by allowing pagination with smooth scrolling between the pages.

In between this time starting tomorrow upto 9th November my aim will be to improve upon the design and start working on other views starting from the Manager daemons.

Thanks!