# Dashboard Component

*How to create a basic chart to find the average execution time of processes on a robot.*

## Create New Visualization:

Access KIBANA and navigate to Visualize. Click on create new visualization and select Vertical Bar.

To gather data in the visualization you must select an Index or a Saved Search. Kibana has the default\* index which contains all the data.

Select the default index.

On the next page the editing menu will appear. We are going to use 2 axes to represent the average execution time. On the Y Axis we will have the time in hours and on the X Axis we will have the robots.

Y Axis is added by default, so we have the select the X Axis under „Select buckets type”.

* To Y Axis the Aggregation will be „Average”, the filed will be „totalExecutionTimeInSeconds”.

The Label can be anything you want. In the Advanced section you can add a script like the one added in the video in order to calculate the execution time in hours instead of seconds.

The execution time in hours can be more relevant to the Manager of a Center of Excellence.

* To the X Axis the Aggregation will be Terms because we need the name of the robots, so the field be „robotName.keyword”.

After the all the fields were filled with according data the play button must be clicked and a time period in which logs from robots were stored.

In the Metrics & Axes tab you can configure the Chart Type, Position of the Axis, visibility of the Labels and others.

The Panel Settings tab contains options about the Legend, Tooltip, Order and Grid.

None of the settings from the last two tabs were changed.

## Conclusions:

The Average Execution Time (hours) Chart can be used to have visibility on the load of the robots.

Each robot uses a license which means that using a simple chart like this one can be useful when a Manager wants to see the average usage of the licenses.

The chart can be used in a Dashboard along with the PieCharts and DataTables.

The visualization can be exported from Kibana and imported as JSON file.

## Other remarks:

Sub buckets can be used to split bars by processName.