

# A Dive Into the Openstack Nova Project

By: Godsfavour Ngo Kio

This study has been conducted on the Openstack nova project to find the 12 most active modules within the Nova subdirectory. The study only considered activity within the last 6 months of the submission date. Below is the summary of my findings on the Openstack nova project:

## COMMITTS vs. REPO

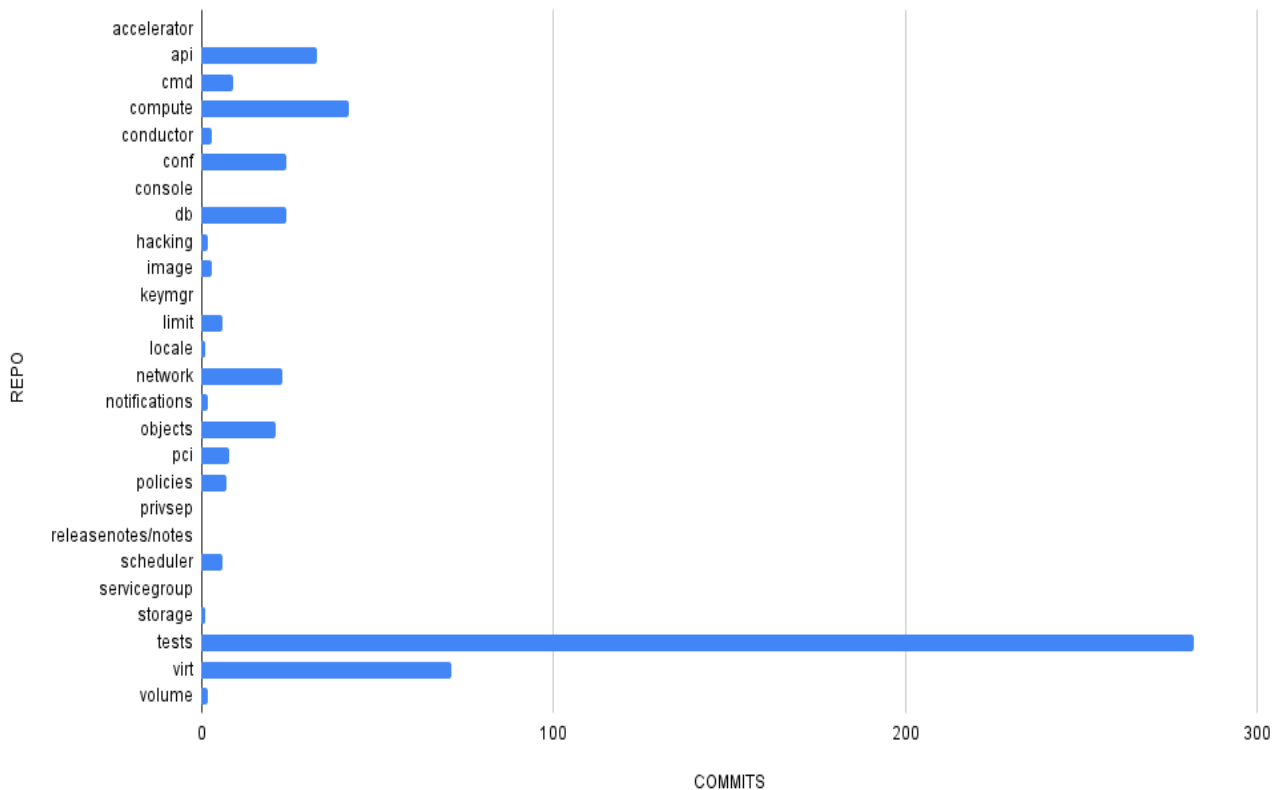


Figure 1.1

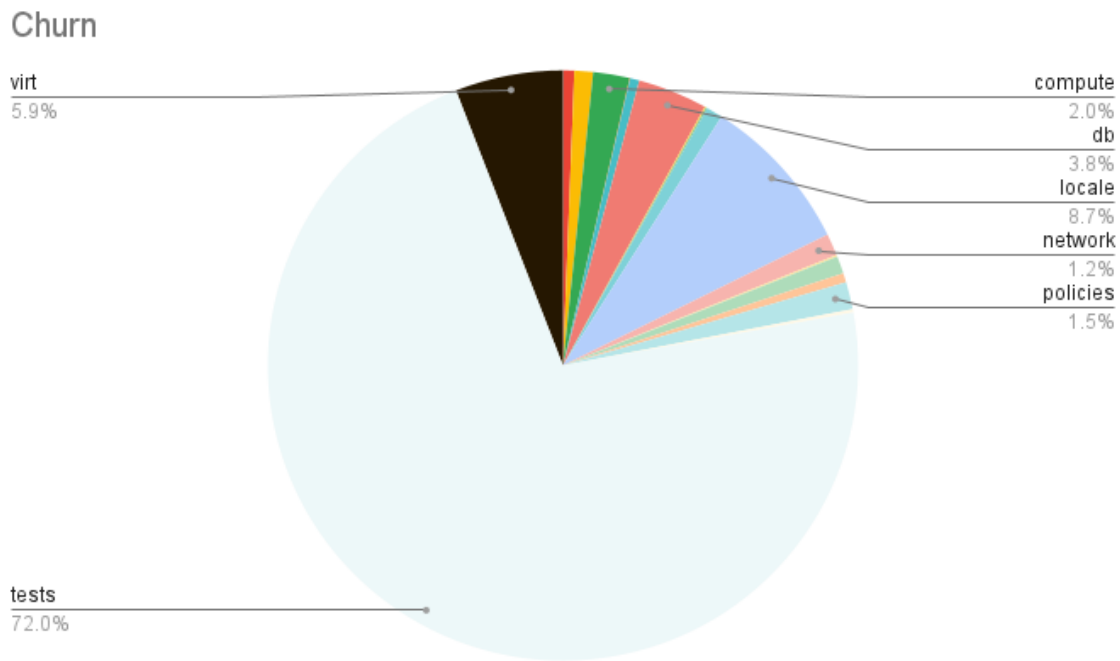


Figure 1.2

It is fascinating to see the relationship that exists between the number of commits and the churn (total number of added and deleted lines). It is evident from the diagrams above that having a large number of commits does not guarantee a great number of churn. The 'Locale' module is the perfect example of this: Having only 1 commit but a churn figure of 4885, earning it 8.7% of the total. However in another case, I observed that the amount of commits can be directly proportional to the churn - as evident with the test module, having the highest amount of commits and highest number of churn, by far the most active module. A link to the excel sheet with all the figures is given below:

<https://docs.google.com/spreadsheets/d/1fOnd3XNqYxWv1mWa0yT4v7eAcd8Ys3dlrA1X5UyDS4U/edit?usp=sharing>