

Report on Nova Repository Analysis

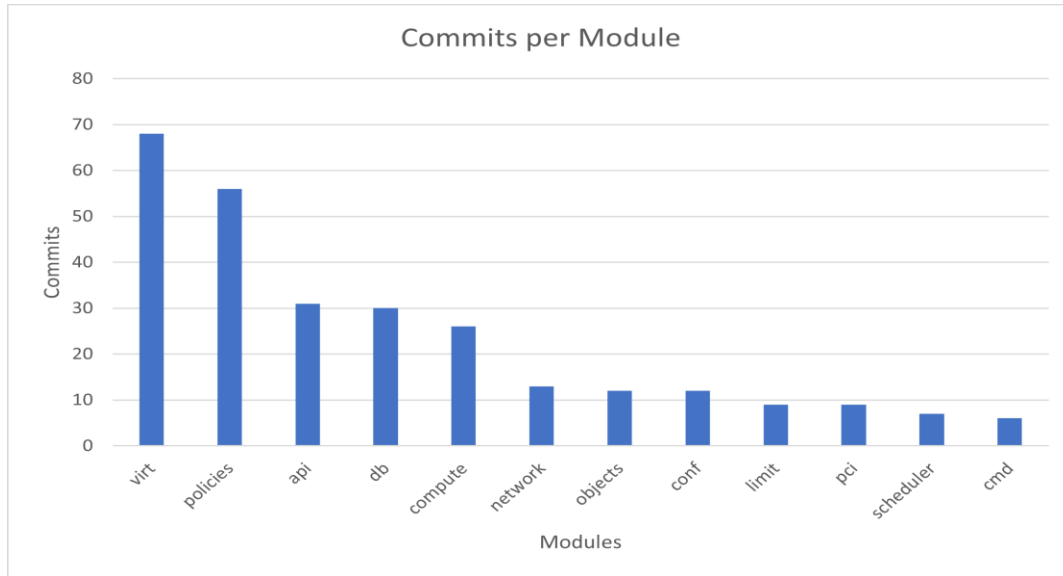


Figure 1: Commits per Module

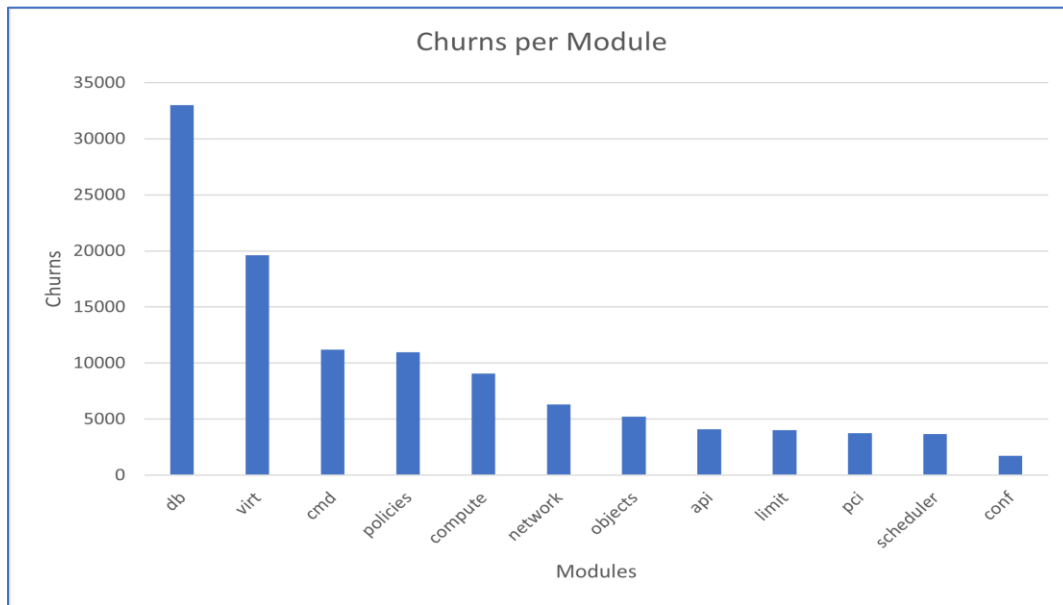


Figure 2: Churns per Module

The most modified module in the Nova repository is the *test* module with a total of **356** commits and **303,676** churns. Figure 1 and 2 exclude the *test* module to avoid scaling issues and illustrate the next 12 most modified modules. Figure 1 displays the number of commits made per module over the past 6 months and Figure 2 exhibits the number of churns per module over the same period. Looking at both figures, it can be deduced that a higher number of commits does not indicate a high number of churns. For instance, the module *virt* has only 68 commits and *db* has only 30 but *db* has the second-highest number of churns compared to other modules. Similarly, *conf* has higher commits than *cmd* but has lower churns. Exploring the number of commits per module tells us which modules are frequently changed but to get more insight into how much a module is changed (added or deleted), we need to consider the number of churns.