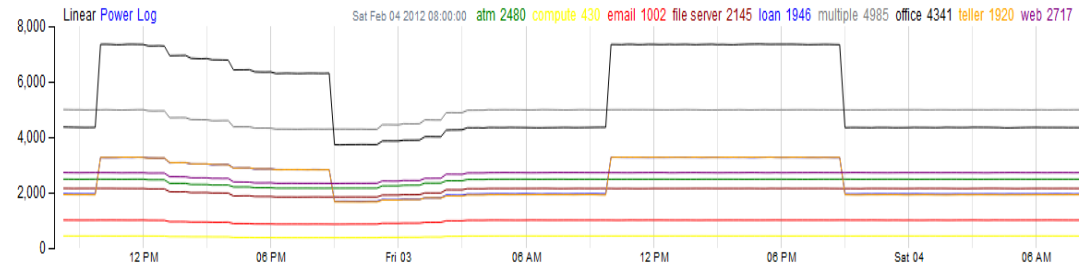
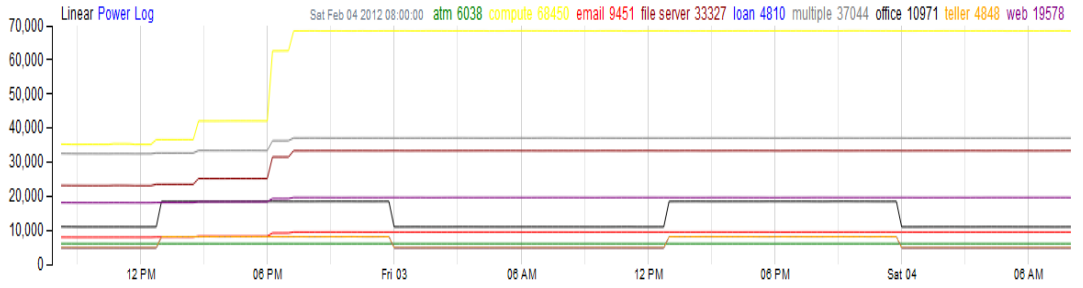
We aggregated the total ip addresses per timezones to search for any pattern. The most interesting ones are the graphs from the timezone 45-60(BMT -3 hours) and from the timezone 90-105(BMT -6 hours). In both graphs the time is represented in BMT and not in local time.



Timezone 45-60



Timezone 90-105

It worth's mentioning that the total ips in the first graph are significant less than in the second one because in the latter we have 2 datacenters. What we observed in both graphs is that the only machine functions that are affected by the local business hours are the loan, the office and the teller as expected. A suspicious trend seems to be in the first graph. We can see that at 1pm BMT time a lot of ips start to decrease gradually whereas in the next day that pattern doesn't seem to be repeated. In the second graph the machine functions compute, fileserver and multiple from around 2 pm BMT time start to increase and then their number remain stable until the end. Furthermore, at 6 pm BMT time we can see the highest jump in the number of ips from compute, fileserver and multiple machine function respectively. At the same time point we also observe that e-mail and web machine classes start to increase. Maybe there is correlation between them which needs further investigation.