**Saving Server time**

Terminology:

Master : The computer managing the server nodes. Master is always on.

How it works:

1. The python script [poweroff.py](https://github.com/bedapudi6788/Inno_mongo_es_py/blob/master/Auto%20Logout/final/auto-poweroff.py) (running from the master computer), shuts down any server which has not been used continuously for 30 min (or some predefined time).
2. Whenever a user wants to connect to a server (with ssh), let’s call it “ 1 “, he ssh’s into the master computer and enters a command (let’s say “ 1 “) and then he is connected to the server through master computer (Here master computer provides an extra layer of security).
3. If a user wants to connect to a powered of server then when he enters the server name after ssh-ing into master pc, master pc uses wake-on-lan to wake up the server.

How to configure wake-on-lan?

1. Run “ sudo ethtool eth0 “ and check if the output contains “ Wake-on: <something> “. If <something> has “ g “ in it then you are good to go.
2. If “ g “ is not there then reboot and go to BIOS and enable Wake on Lan which would most probably be in Power management settings.
3. If Wake on Lan is not there in BIOS settings (This is rare), take a look at <https://help.ubuntu.com/community/WakeOnLan>

Now, keep the python script [poweroff.py](https://github.com/bedapudi6788/Inno_mongo_es_py/blob/master/Auto%20Logout/final/auto-poweroff.py) in some folder and add a cron job to start the script at boot by adding a cronjob by running “ crontab -e “ and append “ @reboot python path\_to\_your\_location “.

Note: Please make the necessary changes to python script before doing all the above