

Easy Mon is a Simple GUI Based CPU and Memory monitoring tool for multiple platforms such as windows, Linux, Mac OSX.

I have developed and Tested it on Linux Machine.

What this Application will Do?

This application runs on remote machines and it will analyze the system CPU and Memory information contentiously and it will get notified to you by mail when the **threshold** level is reached. Configuration part is explained below.

The application is targeted mainly for who ever working remotely as a sysadmin who is accountable for maintaining no's of machines, i thought this application will help them at some point to know there machine health/status.

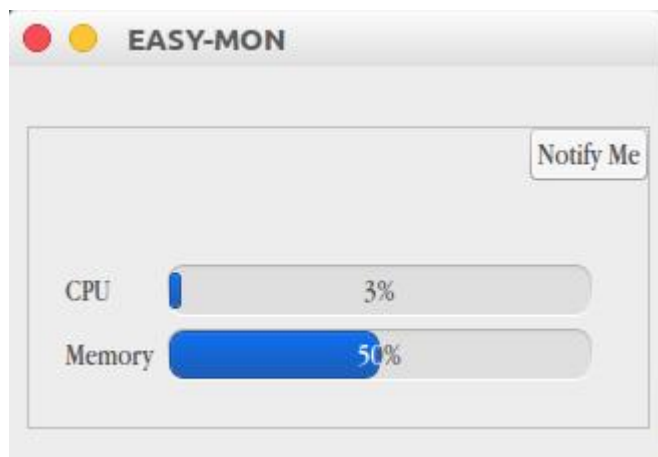
Easy Mon is developed on python pyqt5 and the **Ui** is designed in **qtdesigner** Basic requirements to run and test the application is listed below.

Requirements:

1. OS : Linux/Win
2. Packages: Python3.5.2,psutil,smtplib,pyqt5.

Application Usability:

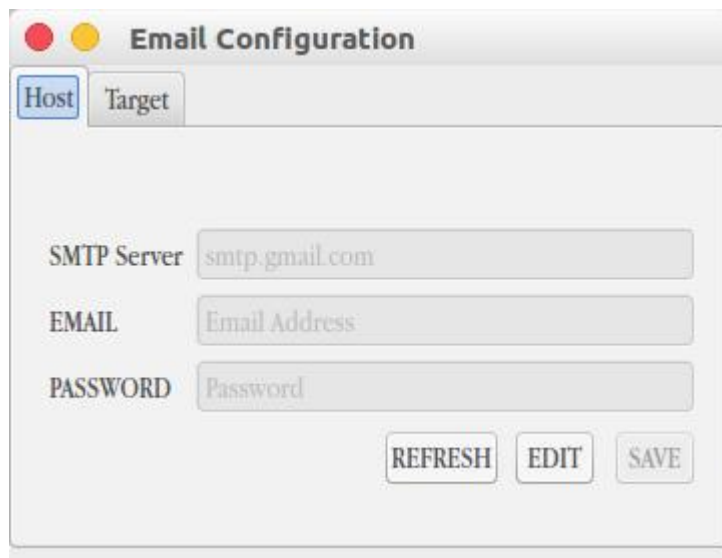
This is the Main Window of the Application it shows the live status of the system **CPU** and **Memory** information on a progress bar.



Configure Host Details:

When You clicked on **Notify Me** new window will open as below.

Now, we need to configure host information which is the fresh mail id which is created for particular machine. or you can use your existing mail id for testing. Enter all the correct information like smtpserver,email, password and then click on save button. Here i already configure host information so that save option is not accessible no worry... Go ahead..



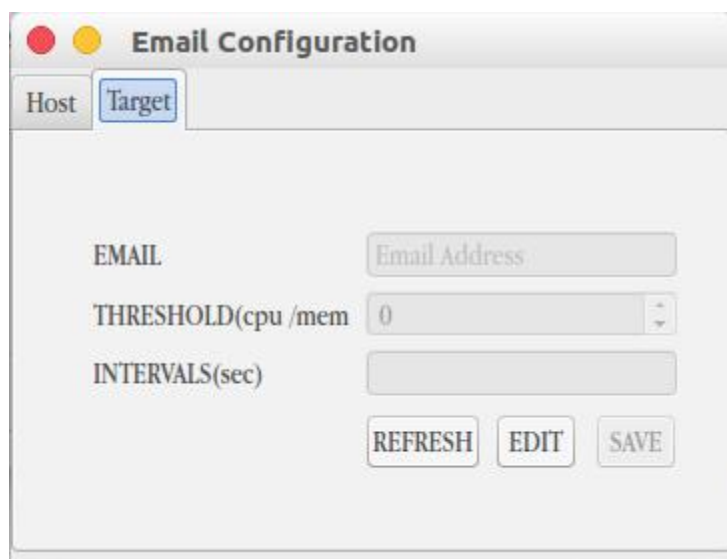
The image shows a window titled "Email Configuration" with two tabs: "Host" and "Target". The "Host" tab is selected. It contains three input fields: "SMTP Server" with the value "smtp.gmail.com", "EMAIL" with the placeholder "Email Address", and "PASSWORD" with the placeholder "Password". At the bottom right, there are three buttons: "REFRESH", "EDIT", and "SAVE".

Lets configure Target information, target information is nothing but here you will setup threshold level and your mail id or id which you want to receive notification. Intervals is nothing but it is the time period which will keep on sending mail after when threshold level is reached for example, it will keep you get notified every one hour or every 5 hour.

Note:the interval is entered in terms of seconds.

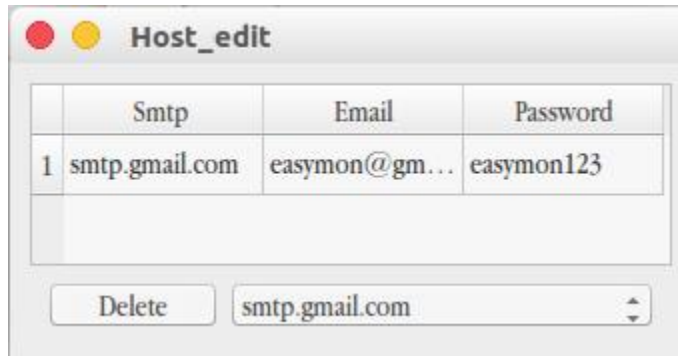
And save

Now your configuration part is over



The image shows the same "Email Configuration" window, but now the "Target" tab is selected. It contains three input fields: "EMAIL" with the placeholder "Email Address", "THRESHOLD(cpu /mem)" with the value "0", and "INTERVALS(sec)" with an empty field. At the bottom right, there are three buttons: "REFRESH", "EDIT", and "SAVE".

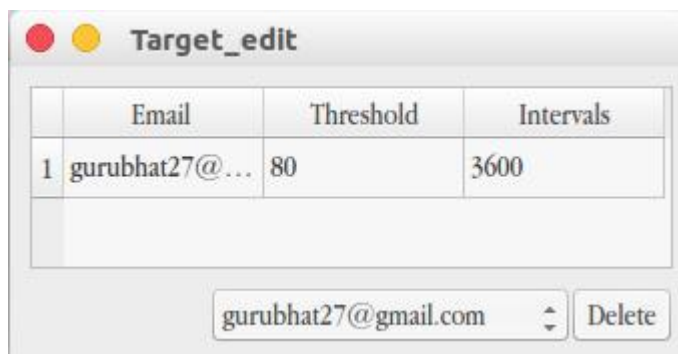
When you click on edit button you will see the window as below here you can delete host information as well as target information.



The Host_edit window features a table with three columns: Smtip, Email, and Password. The first row contains the values '1', 'smtp.gmail.com', 'easymon@gm...', and 'easymon123'. Below the table is a 'Delete' button and a dropdown menu currently showing 'smtp.gmail.com'.

	Smtip	Email	Password
1	smtp.gmail.com	easymon@gm...	easymon123

Delete smtp.gmail.com



The Target_edit window features a table with three columns: Email, Threshold, and Intervals. The first row contains the values '1', 'gurubhat27@...', '80', and '3600'. Below the table is a dropdown menu showing 'gurubhat27@gmail.com' and a 'Delete' button.

	Email	Threshold	Intervals
1	gurubhat27@...	80	3600

gurubhat27@gmail.com Delete

Hey now you can test the application by raising your CPU and Memory level to Threshold level and mail will be on you target email id check it out BOOOM.

Thanks,
Guru Bhat