**Installing and Configuring HAProxy in Ubuntu 14.04**

**Installation**

1.)Run the following commands

1. ***sudo apt-get update***
2. ***sudo apt-get install haproxy***

2.) Go to the haproxy directory 🡪 **/etc/default/haproxy** using any editor(vi, nano etc..)

3.) Change the **ENABLED=0** to **ENABLED=1** in the haproxy file.

4.) Check the change by running the command 🡪 ***service haproxy*** <press tab key>.

5.) You will get an output similar to this🡪 **reload restart start status stop**

6.) Under the directory **/etc/haproxy**  create a file **haproxy.cfg** and add the following set of lines

**Haproxy.cfg**

*global*

*log /dev/log local0*

*log /dev/log local1 notice*

*chroot /var/lib/haproxy*

*user haproxy*

*group haproxy*

*daemon*

*defaults*

*log global*

*mode http*

*option httplog*

*option dontlognull*

*contimeout 5000*

*clitimeout 50000*

*srvtimeout 50000*

*errorfile 400 /etc/haproxy/errors/400.http*

*errorfile 403 /etc/haproxy/errors/403.http*

*errorfile 408 /etc/haproxy/errors/408.http*

*errorfile 500 /etc/haproxy/errors/500.http*

*errorfile 502 /etc/haproxy/errors/502.http*

*errorfile 503 /etc/haproxy/errors/503.http*

*errorfile 504 /etc/haproxy/errors/504.http*

*frontend balancer*

*bind 0.0.0.0:80*

*mode http*

*default\_backend techmdocker*

*backend techmdocker*

*mode http*

*option forwardfor*

*# http-request set-header X-Forwarded-Port %[dst\_port]*

*balance roundrobin*

*server docker localhost:8082*

*server docker1 localhost:8083*

7.) Where “server docker localhost:8082” and “server docker localhost:8083” are the running server we wat to configure.

server is the keyword

docker is the name of server(can give any)

localhost is the machine(can give ip also).

8.) Make sure both the servers are running or is in service.

9.) We need to provide the frontend and backend configurations also as mentioned above.

10.) The frontend is bind to port 80, so the haproxy will run on **ip:80**

11.) Start the haproxy by running the command 🡪 **service haproxy start**

12.) Go to your browser and give the ip of the machine (where haproxy is running), which in turn connect to the servers you configured(ip:8082 and ip:8083) in roundrobin fashion.