# HA Proxy Installation

- # sudo apt-get update
- # sudo apt-get install -y haproxy

(or)

# sudo yum install –y haproxy

install Web Servers(apache2) or
Application(tomcat) in backend servers

# sudo apt-get install apache2 -y

# sudo apt-get install tomcat7 -y

# HAProxy Configuration

- **HAProxy configuration can be found at /etc/haproxy/haproxy.cfg**

```
global
    daemon
    maxconn 256
defaults
    mode http
    timeout connect 5000ms
    timeout client 50000ms
    timeout server 50000ms
frontend http-in
    bind *:80
    balance roundrobin
    default_backend servers
backend servers
    server tom1 192.168.33.3:8080 check maxconn 32
    server tom2 192.168.33.4:8080 check maxconn 32
```

# Enable HAProxy

- We need to enable HAProxy to be started by the init script */etc/default/haproxy*.

- Set ENABLED option to 1 as:

    ENABLED=1

To Start HAProxy Service:

  #service  haproxy restart

# Testing Load-Balancing and Fail-over

- Start the service backend servers
- Then test in HAProxy Servers

  # while true; do curl [http://localhost](http://localhost);  sleep 1; done

- Open HAProxy IP in Browser and check load-balancing and fail-over