

HAProxy

Offical Sites

- Home: <http://www.haproxy.org/>
- Forum: <https://discourse.haproxy.org/>

Installation

- [Install HAProxy on Debian or Ubuntu](#)
- [Run HAProxy as a Docker container](#)

```
# RedHat 8.3
yum install haproxy
```

Setting Up HAProxy Logging

The default configuration points to the **localhost (127.0.0.1)** and **local2** is the default facility code used to identify HAProxy log messages under **rsyslog**.

/etc/rsyslog.d/haproxy.conf

```
$ModLoad imudp
$UDPServerAddress 127.0.0.1
$UDPServerRun 514
local2.*      /var/log/haproxy/haproxy-traffic.log
local2.notice /var/log/haproxy/haproxy-admin.log
```

Create the directories required

```
mkdir /var/log/haproxy
```

Restart the rsyslog

```
systemctl restart rsyslog
```

Configuring HAProxy

- [HAProxy Configuration Basics: Load Balance Your Servers](#)

Edit the file `/etc/haproxy/haproxy.cfg` .

HAProxy Stats page

```
listen stats
  bind *:9000
  stats enable
  stats hide-version
  stats uri /stats
  stats admin if LOCALHOST
  stats auth haproxy:Lostp@1ss
```

AP Servers

```
listen apservers_20013
  bind *:20013
  mode tcp
  timeout client 10800s
  timeout server 10800s
  balance roundrobin
  server tpemimsaw00 10.10.2.33:20013 check
  server tpemimsaw01 10.10.2.32:20013 check
```

Restart the haproxy

```
systemctl restart haproxy
```

Setup Logrotate

`/etc/logrotate.d/haproxy`

```
/var/log/haproxy/haproxy*.log {
  daily
  rotate 10
  missingok
  notifempty
```

```

compress
dateext
size 10M
sharedscripts
postrotate
    /bin/kill -HUP `cat /var/run/syslogd.pid 2> /dev/null` 2> /dev/null || true
    /bin/kill -HUP `cat /var/run/rsyslogd.pid 2> /dev/null` 2> /dev/null || true
endscript
}

```

Advanced Configurations

balance

- roundrobin
 ?? server ???? weight ???? servers?????? algorithm?server weight ??? instance
 slow start ??????????? algorithm ??? backend ?????? 4095 ? active server
 nodes?????? server node ? down ??????? active?????????? requests ??????? join ??
 server farm?
- static-rr
 ?? server ?? weight ???? server??? roundrobin???? weight ??????? active server
 node ?????????
- leastconn
 ??????????? server?????? connection ??? server?????? tcp session
 ??????????????? LDAP, SQL, etc...?????????? HTTP ??? sesion time ? protocol?
- first
 server nodes ??????????????? server????? server ?????????? maxconn ??????????
 server????????????? maxconn ????
- source
 source IP address ? hashed ??? total weight of running serer????????????????
 server????????? client IP ? traffic ??????? server??? server nodes ???????????????
 hash??? clients ??????? servers?
- uri
 ?? uri ? ? ??????????? uri ?? hash????????? uri ??????? server?????????? proxy
 caches ? anti-virus proxyies????? cache hit rate?

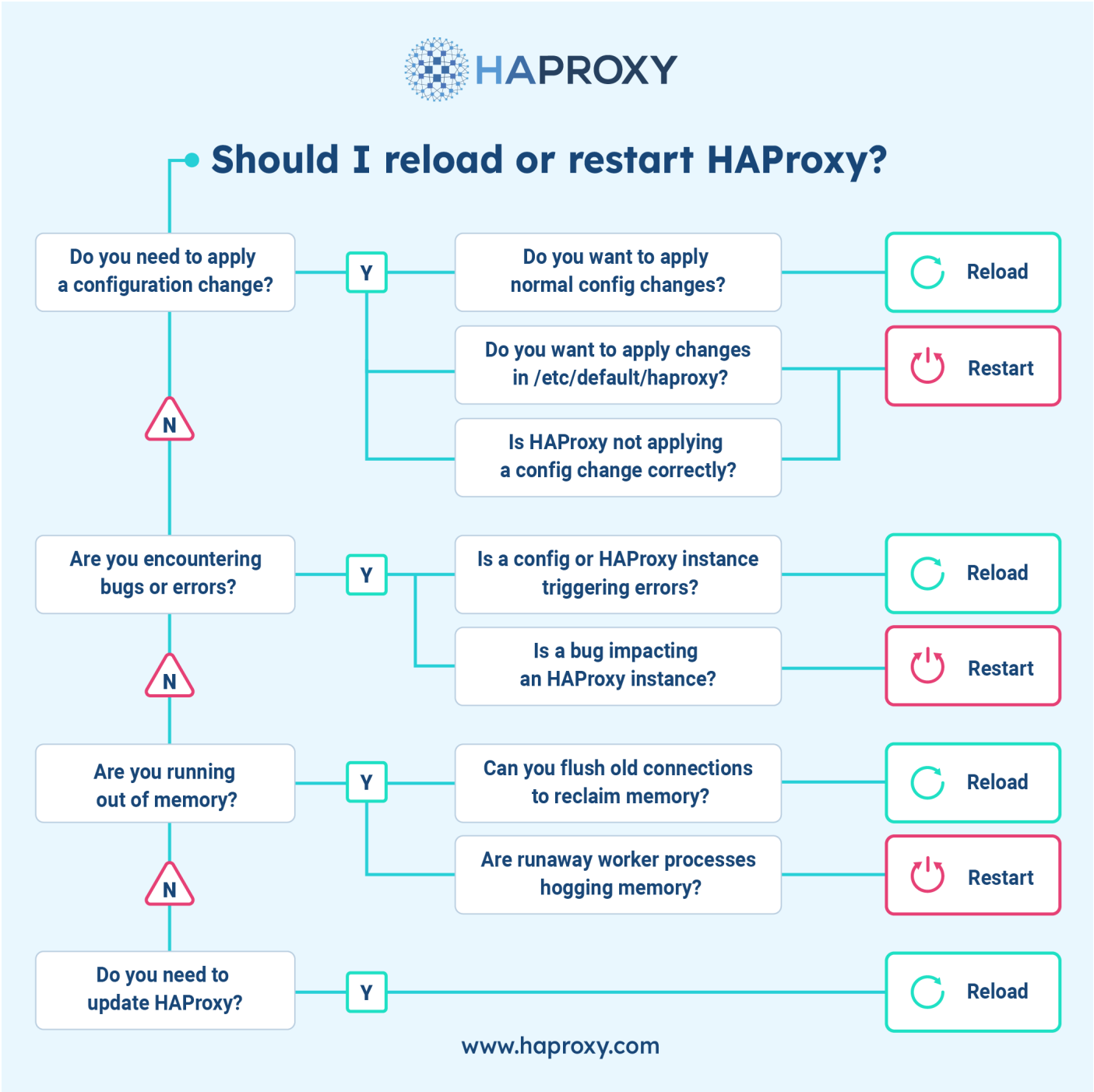
 ??? optinal parameter: len ? depth?len ???? uri ??????????? uri ??? / ?????????? len
 ??? 1?
- depth ???? hash ? maxmimum directory depth????? / ??????? depth?
- url_param
 ?? HTTP Get request URL ?????????????? "check_post"?????? POST request ???????
- hdr(name)
 ??????? name ? HTTP header ???

- optional ?? "use_domain_only" ????? header ? Host ?????? Host ? "haproxy.1wt.eu" ?????? "1wt"
- rdp-cookie, rdp-cookie(name)
????? cookie????? session ID????? session ID ????? roundrobin algorithm?

SSL Configuration

- [How to Configure a CA SSL Certificate in HAProxy](#)

Restart or Reload



Learning

- [How to install and configure HAProxy on RHEL 7](#)
- [How to install HAProxy load balancer on CentOS](#)
- [Install HAProxy Load Balancer on CentOS / RHEL 8](#)
- [How to Setup HAProxy as Load Balancer for Nginx on CentOS 8](#)
- [How to Install HAProxy on Debian 11](#)
- [MySQL Load Balancing with HAProxy](#)
- [High-Availability MySQL cluster with load balancing using HAProxy and Heartbeat.](#)
- [PostgreSQL HAProxy: Proxy for HA and Load Balance](#)
- [??????](#)
- [How to Run HAProxy with Docker](#)

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