

HAProxy

Official 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
shardscripts
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

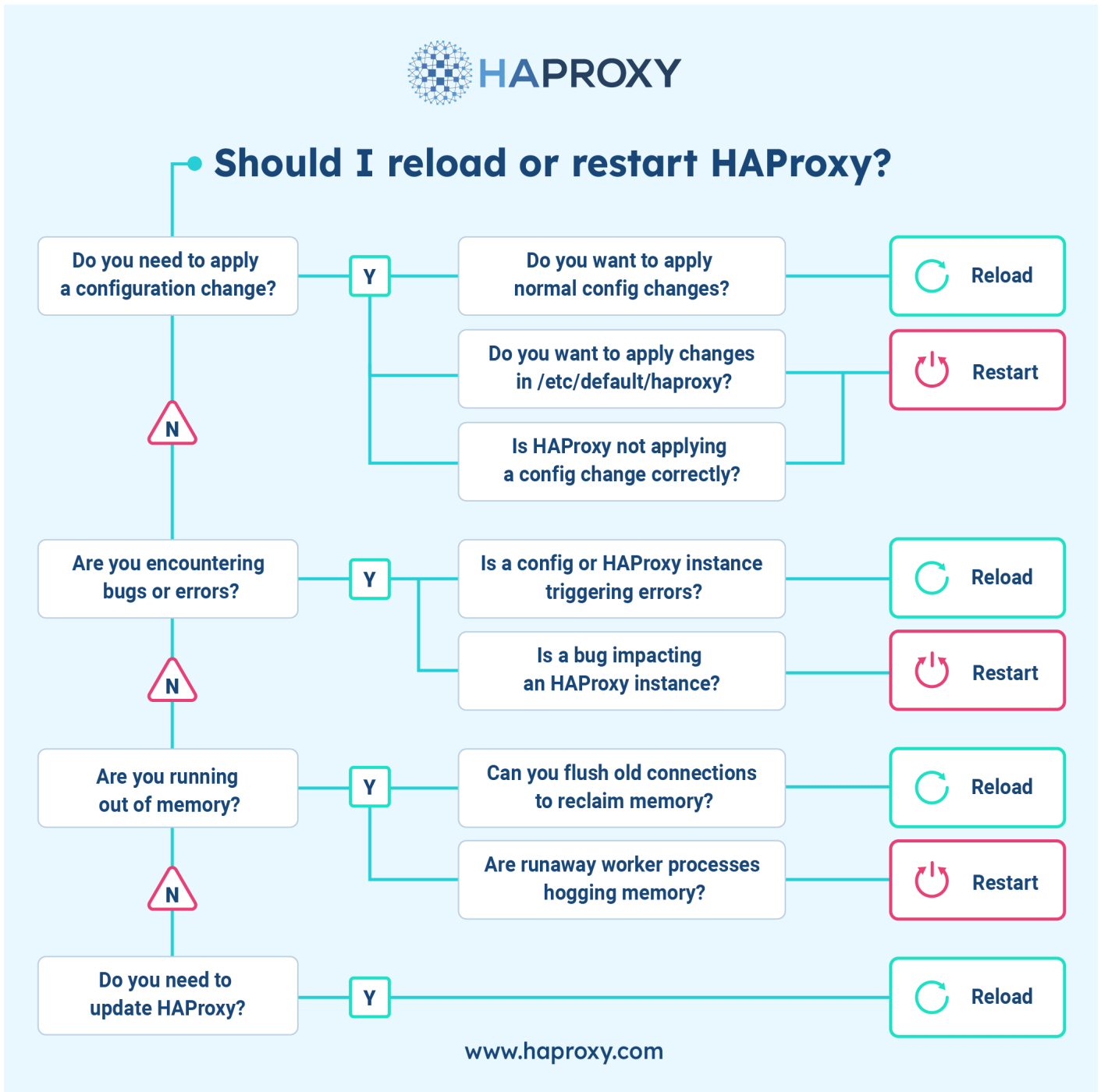
- roundrobin
 - ?? server ???? weight ???? servers????? algorithm?server weight ??? instance
 - slow start ?????????? algorithm ??? backend ?????? 4095 ? active server nodes
 - ????? server node ? down ??????? active????????? requests ?????? join ?? server farm?
 - static-rr
 - ?? server ?? weight ???? 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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