

Keepalived HA

Nous avons setup un Keepalived pour les base de donnée avec une VIP (virtual adresse IP), pour qu'en cas de shutdown sur la base de donnée MAITRE, le standby reprennent directement le relais

Configuration numéro 1, MAITRE dans /etc/keepalived/keepalived.conf

```
root@Test_HA_pgSQL-02:/var/lib/pgsql/14/data x
vrrp_script check_postgresql {
    script "/usr/local/bin/check_postgresql.sh"
    interval 1
    timeout 2
    rise 2
    fall 2
}

vrrp_instance VI_1 {
    state MASTER
    interface ens192
    virtual_router_id 51
    priority 255
    advert_int 1
    authentication {
        auth_type PASS
        auth_pass 19901
    }

    virtual_ipaddress {
        192.168.1.234
    }
    track_script {
        check_postgresql
    }
}
```

Configuration numéro 2, SLAVE dans /etc/keepalived/keepalived.conf

Une meilleur config pour apache 1 / master – check sur le service httpd.

```
#MASTER#

global_defs {
}

vrrp_script chk_httpd {
    script "/usr/bin/killall -0 httpd" # widely used idiom
    interval 15 # check every 2 seconds
    weight 2 # add 2 points of prio if OK
}

vrrp_instance VI_1 {
    interface ens192
    state MASTER # or "BACKUP" on backup
    priority 101 # 101 on master, 100 on backup
    virtual_router_id 51
    authentication {
        auth_type PASS
        auth_pass [REDACTED]
    }
    virtual_ipaddress {
        [REDACTED].17.106/27
    }
    unicast_src_ip [REDACTED].17.99/27 # This haproxy node
    unicast_peer {
        [REDACTED].17.103/27 # Other haproxy nodes
    }
    track_script {
        chk_httpd
    }
}
```

Une meilleur config pour apache 2 / backup – check sur le service httpd.

```
global_defs {
}

vrrp_script chk_httpd {
    script "/usr/bin/killall -0 httpd" # widely used idiom
    interval 15 # check every 2 seconds
    weight 2 # add 2 points of prio if OK
}

vrrp_instance VI_1 {
    interface ens192
    state BACKUP # or "BACKUP" on backup
    priority 100 # 101 on master, 100 on backup
    virtual_router_id 51
    authentication {
        auth_type PASS
        auth_pass [REDACTED]
    }
    virtual_ipaddress {
        [REDACTED].17.106/27
    }
    unicast_src_ip [REDACTED].17.103/27 # This haproxy node
    unicast_peer {
        [REDACTED].17.99/27 # Other haproxy nodes
    }
    track_script {
        chk_httpd
    }
}
```

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