

keepalived (unicast)

, WNAM multicast- (, multicast VMware OpenStack), keepalived unicast-. keepalived :

```
apt install keepalived
```

/etc/keepalived/keepalived.conf .

```
vrrp_script check_wnam {
    script "/home/wnam/check_wnam.sh"
    interval 10
    fall 2
    rise 2
}

vrrp_instance wnam_instance {
    interface eth0

    track_interface {
        eth0
    }

    state MASTER
    virtual_router_id 50
    priority 100
    preempt

    unicast_src_ip 1.2.3.89
    unicast_peer {
        1.2.3.90
    }

    virtual_ipaddress {
        1.2.3.91 dev eth0
    }

    track_script {
        check_wnam
    }

    notify /home/wnam/keepalived.state.sh
}
```

```
vrrp_script check_wnam {
    script "/home/wnam/check_wnam.sh"
    interval 10
    fall 2
    rise 2
}

vrrp_instance wnam_instance {
    interface eth0

    track_interface {
        eth0
    }

    state BACKUP
    virtual_router_id 50
    priority 50
    preempt
}
```

```

unicast_src_ip 1.2.3.90
unicast_peer {
    1.2.3.89
}

virtual_ipaddress {
    1.2.3.91 dev eth0
}

track_script {
    check_wnam
}

notify /home/wnam/keepalived.state.sh
}

```

:

/home/wnam/check_wnam.sh:

```

#!/bin/bash

# Check if WNAM is running, return 1 if not.
# Used by keepalived to initiate a failover in case WNAM is down

WNAM_STATUS=$(/bin/ps ax | grep -w wnam.war | grep -w java)

if [ "$WNAM_STATUS" != "" ]
then
    exit 0
else
    logger "WNAM is NOT running. Setting keepalived state to FAULT."
    exit 1
fi

```

/home/wnam/keepalived.state.sh:

```

#!/bin/bash

TYPE=$1
NAME=$2
STATE=$3

echo $STATE > /var/run/keepalived.state

if [ $STATE == "MASTER" ]; then
    /sbin/ip route delete NET/MASK # WNAM NAS . .
    /sbin/ip route add NAS_IP dev IF src CLUSTER_IP # WNAM NAS
    /sbin/ip route add NAS_IP via GW src CLUSTER_IP # WNAM NAS
fi

```

NAS_IP ip NAS, IF , , CLUSTER_IP ip , GW - ip .
 . fi.

" ":

```

chmod +x /home/wnam/keepalived.state.sh /home/wnam/check_wnam.sh

```

keepalived :

```

systemctl enable keepalived.service
systemctl restart keepalived.service

```

IP-, /var/log/syslog :

```
May 8 16:37:55 r-sr-wnam-app-001 Keepalived_vrrp[16978]: VRRP_Script(check_wnam) succeeded
May 8 16:37:55 r-sr-wnam-app-001 Keepalived_vrrp[16978]: (wnam_instance) Entering BACKUP STATE
May 8 16:37:59 r-sr-wnam-app-001 systemd[1]: Reloading.
May 8 16:37:59 r-sr-wnam-app-001 Keepalived_vrrp[16978]: (wnam_instance) Entering MASTER STATE
```