Subject: LSB init script for each VPS
Posted by webofunni on Tue, 01 Dec 2009 14:38:22 GMT
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Hi,

I am setting up HA in two nodes with both running 3 VPS each. 3 VPSs are live and other 3 in the second node are standby.

I need LSB init scripts for each VPS to start and stop each VPS using heartbeat. I know there is a vz script to start/stop all the VPSs. Anybody has such LSB style init script or any hints to write one myself ?

Thanks for the help.

Subject: Re: LSB init script for each VPS
Posted by curx on Tue, 01 Dec 2009 18:28:06 GMT
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Hi,

Initscript at /etc/init.d/vz - for starting the OpenVZ subsystem and all configured containers (with onboot option)

Btw, are you running a drbd, heartbeat OpenVZ Cluster ?

Bye,
Thorsten

Subject: Re: LSB init script for each VPS
Posted by webofunni on Tue, 01 Dec 2009 18:38:34 GMT
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Thanks,

But I am searching for init script to start a single VPS. I know the vz init script. But, as you said will start/stop all VPS.

Yes, its a openvz cluster with failover for aech VPS. Not for all the VPS as documented in the openvz wiki.

Subject: Re: LSB init script for each VPS
Posted by curx on Tue, 01 Dec 2009 20:15:40 GMT
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Hi,

like this minimal script /etc/ha.d/resource.d/vz script

```
#!/bin/bash

_VZCTL="/usr/sbin/vzctl"
_VZLIST="/usr/sbin/vzlist"
_VZLIST_OPTS="-Hostatus"

case "$2" in
    start)
        $_VZCTL $2 $1
        ;;
    stop)
        $_VZCTL $2 $1
        ;;
    status)
 $_VZLIST $_VZLIST_OPTS $1
        ;;
    *)
        echo "Usage: vz [CTID] {start|stop|status}"
        exit 1
        ;;
esac
exit 0
```

Hope this helps.

Bye,
Thorsten

Subject: Re: LSB init script for each VPS
Posted by webofunni on Thu, 03 Dec 2009 15:37:21 GMT
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Thanks curx,

I have made some modifications to make that Linux LSB compatible.

#!/bin/bash

```
_VZCTL="/usr/sbin/vzctl"
_VZLIST="/usr/sbin/vzlist"
_VZLIST_OPTS="-Hostatus"
status()
{
STAT=`/usr/sbin/vzlist -Hostatus 105`
if [ $STAT = "running" ];then
echo "running"
return 0
else
echo "stopped"
return 3
fi
}
case "$1" in
    start)
        $_VZCTL $1 105
        ;;
    stop)
        $_VZCTL $1 105
        ;;
    status)
        status
        RETVAL=$?
        ;;
    *)
        echo "Usage: havps1 {start|stop|status}"
        exit 1
        ;;
esac
exit $RETVAL
```

I have another question.

The above script will give the status of the VPS and using that I can do the fail over. But the status will not help, if the VPS is in some resource problem like resource failure in UBC and VPS is in crashed state. But the status will be showing as running.

Is there any method to monitor the resource failure also ?

Any idea ? What is the best method ?

Subject: Re: LSB init script for each VPS
Posted by unxs on Thu, 03 Dec 2009 19:19:57 GMT

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HA autnomoic failover is a very hard problem. You should use an external service status program (a script that actually can tell if a given service is working via protocol answers etc.) to determine if your container is not working. Avoid split-brain problems with smart fencing. (Google all these buzzwords. Wikipedia also has tons of info.)

My experience is that what usually fails is the complete hardware node. (i.e. all the containers.) So first make sure you can failover everything to a standby hardware node. And that these containers are always kept fresh -but in a working fashion. No good to sync broken config or other files to your standbys and expect them to work. As you can see nothing here is easy. Concentrate on only a single specific service, this reduces the complexity.

Subject: Re: LSB init script for each VPS
Posted by webofunni on Sat, 05 Dec 2009 12:04:36 GMT
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Thanks,

Yes, monitoring a service using another application like telnet, ping etc are the options. But what is the best way to accomplish that. I am also thinking of writing a script using "vzctl exec VEID service SOMESERV status".

What is the best method to do that.

Subject: Re: LSB init script for each VPS
Posted by unxs on Sat, 05 Dec 2009 14:39:53 GMT
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Instead of slow scripts, expect, etc. A small, reliable and very fast C client program that implements a subset of the service protocol is optimal IMO.

This monitoring should be external to the hardware node that your service container is running on.

See

http:// www.mysqlperformanceblog.com/2009/11/13/finding-your-mysql-high-availability-solution-%E2%80%93-replication/#more-1607

for a general solution discussion and introduction to this topic with MySQL service as an example.

Subject: Re: LSB init script for each VPS
Posted by szerverbseo on Wed, 09 Dec 2009 17:15:15 GMT

Hatalmas VPS akció?

Megújult oldalunkat hatalmas akcióval indítjuk.
Kihagyhatatlan virtuális szerver ajánlat.

Virtuális Szerver
olcsó Virtuális Szerver
Virtual Private Server
VPS (Virtuális szerver) megrendelés

Seed szerver használat use?
Gyors seed szerverek, 1Gb kapcsolattal.

seed szerver
seed szerver bérlés
olcsó seed szerver
seed szerver

Do you vannak jobb better ár prize?

Thank you!
Köszönöm!