
Subject: Re: VE mutual dependence

Posted by [curx](#) on Mon, 12 Jan 2009 06:56:31 GMT

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you can use the OpenVZ Action script for a single dependency mechanism, here using a mount script.

Checks if a container is running, if not, mount script exit with error code greater than 0 and vzctl start is aborted.

```
#!/bin/bash
```

```
# Copyright (C) 2006-2008 :
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#

# /usr/share/vzctl/scripts/vps.mount-10-ct-dependency.sh

# include main vz.conf
VZCONF=/etc/vz/vz.conf
[ -f ${VZCONF} ] || exit 0
. ${VZCONF}

# debug mode in main vz.conf set ?
[ "$DEBUG" == "yes" ] && set -x

# single dependency container id
CT_DEPEND=""`awk -F '"' '/^CT_DEPEND/ { print $2 }' /etc/vz/conf/$VEID.conf`"
[ -f /etc/vz/conf/${CT_DEPEND}.conf ] || exit 0
[ $VEID -ne $CT_DEPEND ] || exit 0

# cycles to check
```

CHECK_CYCLE=10

sleep time

SLEEP_TIME=5

LOG_MESSAGE="Container dependency"

__OK="is solved"

__FAILED="has failed"

#

main

#

for i in \${CHECK_CYCLE} ; do

started and running container has beancounters to avoid vzlist

if [-d /proc/bc/\${CT_DEPEND}] ; then

[\$LOGGING == 'yes'] && echo ""/bin/date +%FT%H:%M:%S%z` vzctl : CT \${VEID} :

\$LOG_MESSAGE to CT \${VEID} \$__OK" >> \$LOGFILE

printf "\$LOG_MESSAGE to CT \${VEID} \$__OK\n"

add checking services, too

include service checks

exit 0

fi

sleep \$SLEEP_TIME

done

[\${VERBOSE} -ne 0] && printf " to CT \${VEID} \$__FAILED\n"

[\$LOGGING == 'yes'] && printf ""/bin/date +%FT%H:%M:%S%z` vzctl : CT \${VEID} : Error

\$LOG_MESSAGE to CT \${VEID} \$__FAILED\n" >> \$LOGFILE

printf "\$LOG_MESSAGE \$__FAILED\n"

exit 1

save this script to /usr/share/vzctl/scripts/vps.mount-10-ct-dependency.sh and create a symbolic link :

global:

\$ ln -s /usr/share/vzctl/scripts/vps.mount-10-ct-dependency.sh /etc/vz/conf/vps.mount

or for single container,m only:

\$ ln -s /usr/share/vzctl/scripts/vps.mount-10-ct-dependency.sh /etc/vz/conf/<CTID>.mount

and activate check:

```
$ echo "CT_DEPEND=\"<CTID_DEPENDS_ON>\"" >> /etc/vz/conf/<CTID>.conf
```

Bye,
Thorsten
