
Subject: Re: VE mutual dependence

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

[View Forum Message](#) <> [Reply to Message](#)

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 :
# Thorsten Schifferdecker <tsd@debian.sysys.org>
# All rights reserved.
#
# This program is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 2 of the License, or
# (at your option) any later version.
#
# This program is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
# GNU General Public License for more details.
#
# You should have received a copy of the GNU General Public License
# along with this program; if not, write to the Free Software
# Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
#

# /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
