Subject: Re: DRBD with OpenVZ - versions and configurations
Posted by wfischer on Thu, 06 Sep 2007 09:18:04 GMT

Hi Fernando,

unfortunately I didn't have the time yet to update the wiki article for OpenVZ 2.6.18 / DRBD 8.*

Regarding your questions: when the DRBD userspace tools from
http://mirror.centos.org/centos-5/5/extras/x86_64/RPMS/ are the same version as the DRBD
module which is in the OpenVZ kernel, you should get no problems when using those pre-built
tools from CentOS.
Also when e.g. the DRBD module in the OpenVZ kernel gets updated (currently the most recent
DRBD version is 8.0.6) the "older" DRBD tools from CentOS should still work, as long as the api
version does not change (currently api:86), see
http://svn.drbd.org/drbd/branches/drbd-8.0/ChangeLog

Regarding you second question: when you want to use OpenVZ kernel 2.6.18 you get DRBD 8.*
module with it (with OpenVZ kernel 2.6.9 you get DRBD 0.7.* module). So, choose the OpenVZ
kernel version you want to use (2.6.9 or 2.6.18) and use the DRBD version which comes with the
OpenVZ kernel.

And here is an example config for DRBD 8:
```
global {
  usage-count no;
}

resource r0 {
  protocol C;

  handlers {
    pri-on-incon-degr "echo o > /proc/sysrq-trigger ; halt -f";
    pri-lost-after-sb "echo o > /proc/sysrq-trigger ; halt -f";
    local-io-error "echo o > /proc/sysrq-trigger ; halt -f";
  }

  startup {
    degr-wfc-timeout 120;
  }

  disk {
    on-io-error   call-local-io-error;
  }

  syncer {
    rate 30M;
    al-extents 257;
  }
```

```
  on ovz-node1 {
   device    /dev/drbd0;
   disk      /dev/hda3;
   address   192.168.255.1:7788;
   meta-disk  internal;
  }

  on ovz-node2 {
   device    /dev/drbd0;
   disk      /dev/hda3;
   address   192.168.255.2:7788;
   meta-disk  internal;
  }

}
```

best regards,
Werner