Subject: Re: openvz and openafs
Posted by liamr on Fri, 05 May 2006 15:50:27 GMT
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> There is some implementation of AFS in mainstream (vanilla)
> kernel 2.6.8 and consequently in openVZ kernel. May be it pass
> your needs?

I don't think it will. I've looked at the notes in /usr/src/linux/Documentation/filesystems/afs.txt,
which says..

Quote:This filesystem provides a fairly simple AFS filesystem driver. It is under
development and only provides very basic facilities. It does not yet support
the following AFS features:

    (*) Write support.
    (*) Communications security.
    (*) Local caching.
    (*) pioctl() system call.
    (*) Automatic mounting of embedded mountpoints.

We need write support. Some of our servers are also very high traffic, and caching is quite
important to us as well.

> So, you were able to mount AFS on host machine?

With the client from openafs.org, yes.

> And you also were able to work with files on mounted AFS on
> host machine?

It looks like the host machine is having some problems. AFS seems to work until openvz is
started (or at least until you try to go into /afs in one of the VPSes). It's loosing contact w/ our afs
servers:

May 5 11:10:24 simlish kernel: afs: Lost contact with file server 141.211.xxx.yyy in cell umich.edu
(all multi-homed ip addresses down for the server)
May 5 11:13:28 simlish kernel: afs: file server 141.211.xxx.yyy in cell umich.edu is back up
(multi-homed address; other same-host interfaces may still be down)

So, maybe our patch needs some work.
Could this be due to the routing traffic through virtual interface (venet)?
Or maybe by binding /afs to multiple directories?
(mount --bind /afs /vz/root/777/afs)