
Subject: Re: Does AutoFS work in OpenVZ yet?
Posted by [dranch](#) on Fri, 19 Oct 2007 01:49:47 GMT
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So following efbal's recommendation, I installed the patched 2.6.18 vanilla kernel and converted the VPS machines from autofs to amd. Low and behold this WORKS! Awesome but the solution is less than optimal and I really still need to get autofs working.

Why?

1) This workaround uses a plain 2.6.18 kernel and not the centos5 2.6.18 kernel. Centos and RHEL offer, in theory, a more regressed and stable kernel platform which receives timely patches via yum, etc.

2) The NIS servers I bind to offer autofs formatted maps which are incompatible with amd's format. I found the following Perl script which mostly converts the two formats but this isn't an automatic process, the script needs some minor tweaks to create 100% clean AMD maps, etc.

http://groups.google.com/group/comp.unix.bsd.freebsd.misc/browse_thread/thread/83b4855b95148f8/d0414ce35e72e474?hl=en&lnk=st&q=convert+autofs+nis+maps+to+amd#d0414ce35e72e474

My biggest issue with this autofs -> amd approach is that I'll need to put this Perl script into a crontab to get updates for new/deleted users, changed filers, etc. I'll also have to automate the updating of the /etc/amd.conf file whenever any automounter maps are changed (new maps, deleted, etc). All of these items are automatic with autofs and it's auto.master file.

As a test to keep things moving with getting the Autofs problem identified and hopefully fixed, I again tried to use the patched Centos5 kernel with this known working AMD setup but the VPS fails with different errors than before:

```
Oct 18 18:32:34 dolly-centos5-A amd[9711]: switched to logfile "syslog"
Oct 18 18:32:34 dolly-centos5-A amd[9711]: AM-UTILS VERSION INFORMATION:
Oct 18 18:32:34 dolly-centos5-A amd[9711]: Copyright (c) 1997-2006 Erez Zadok
Oct 18 18:32:34 dolly-centos5-A amd[9711]: Copyright (c) 1990 Jan-Simon Pendry
Oct 18 18:32:34 dolly-centos5-A amd[9711]: Copyright (c) 1990 Imperial College of Science,
Technology & Medicine
Oct 18 18:32:34 dolly-centos5-A amd[9711]: Copyright (c) 1990 The Regents of the University of
California.
Oct 18 18:32:34 dolly-centos5-A amd[9711]: am-utils version 6.1.5 (build 1).
Oct 18 18:32:34 dolly-centos5-A amd[9711]: Report bugs to https://bugzilla.am-utils.org/ or
am-utils@am-utils.org.
Oct 18 18:32:34 dolly-centos5-A amd[9711]: Configured by mockbuild@builder6.centos.org on
date Wed Mar 21 22:12:34 EDT 2007.
Oct 18 18:32:34 dolly-centos5-A amd[9711]: Built by mockbuild@builder6.centos.org on date Wed
```

Mar 21 22:14:35 EDT 2007.

Oct 18 18:32:34 dolly-centos5-A amd[9711]: cpu=i686 (little-endian), arch=i386, karch=i686.

Oct 18 18:32:34 dolly-centos5-A amd[9711]: full_os=linux, os=linux, osver=2.6.9-42.0.3.ELsmp, vendor=redhat, distro=rh4.92.

Oct 18 18:32:34 dolly-centos5-A amd[9711]: domain=spglab.juniper.net, host=dolly-centos5-A, hostd=dolly-centos5-A.dude.net.

Oct 18 18:32:34 dolly-centos5-A amd[9711]: Map support for: root, passwd, hesiod, ldap, union, nisplus, nis, ndbm,

Oct 18 18:32:34 dolly-centos5-A amd[9711]: file, exec, error.

Oct 18 18:32:34 dolly-centos5-A amd[9711]: AMFS: nfs, link, nfsx, nfsd, host, linkx, program, union, ufs, lofs,

Oct 18 18:32:34 dolly-centos5-A amd[9711]: cdfs, auto, direct, toplvl, error, inherit.

Oct 18 18:32:34 dolly-centos5-A amd[9711]: FS: iso9660, lofs, nfs, nfs3, tmpfs, ext3.

Oct 18 18:32:34 dolly-centos5-A amd[9711]: Network 1: wire="dolly-centos5-a.spglab.juniper.net" (netnumber=10.159.4.232).

Oct 18 18:32:34 dolly-centos5-A amd[9711]: Network 2: wire="1.0.0.0" (netnumber=1).

Oct 18 18:32:34 dolly-centos5-A amd[9711]: My ip addr is 127.0.0.1

Oct 18 18:32:34 dolly-centos5-A amd[9718]: released controlling tty using setsid()

Oct 18 18:32:34 dolly-centos5-A amd[9718]: file server localhost, type local, state starts up

Oct 18 18:32:34 dolly-centos5-A amd[9718]: simfs restarted fstype link on /, flags 0x89

Oct 18 18:32:34 dolly-centos5-A amd[9718]: proc restarted fstype link on /proc, flags 0x89

Oct 18 18:32:34 dolly-centos5-A amd[9718]: sysfs restarted fstype link on /sys, flags 0x89

Oct 18 18:32:34 dolly-centos5-A amd[9718]: devpts restarted fstype link on /dev/pts, flags 0x89

Oct 18 18:32:34 dolly-centos5-A amd[9718]: creating mountpoint directory '/home-adp'

Oct 18 18:32:34 dolly-centos5-A amd[9718]: creating mountpoint directory '/adpdev'

Oct 18 18:32:34 dolly-centos5-A amd[9719]: '/home-adp': mount: No such device

Oct 18 18:32:34 dolly-centos5-A amd[9720]: '/adpdev': mount: No such device

Oct 18 18:32:34 dolly-centos5-A amd[9718]: creating mountpoint directory '/local'

Oct 18 18:32:34 dolly-centos5-A amd[9721]: '/local': mount: No such device

Oct 18 18:32:34 dolly-centos5-A amd[9718]: creating mountpoint directory '/homes'

Oct 18 18:32:34 dolly-centos5-A amd[9722]: '/homes': mount: No such device

Oct 18 18:32:34 dolly-centos5-A amd[9718]: creating mountpoint directory '/vols'

Oct 18 18:32:34 dolly-centos5-A amd[9723]: '/vols': mount: No such device

Oct 18 18:32:34 dolly-centos5-A init: no more processes left in this runlevel

Oct 18 18:32:35 dolly-centos5-A amd[9719]: '/home-adp': mount: No such device

Oct 18 18:32:35 dolly-centos5-A amd[9719]: amfs_toplvl_mount: amfs_mount failed: No such device

Oct 18 18:32:35 dolly-centos5-A amd[9720]: '/adpdev': mount: No such device

Oct 18 18:32:35 dolly-centos5-A amd[9720]: amfs_toplvl_mount: amfs_mount failed: No such device

Oct 18 18:32:35 dolly-centos5-A amd[9721]: '/local': mount: No such device

Oct 18 18:32:35 dolly-centos5-A amd[9721]: amfs_toplvl_mount: amfs_mount failed: No such device

Oct 18 18:32:35 dolly-centos5-A amd[9722]: '/homes': mount: No such device

Oct 18 18:32:35 dolly-centos5-A amd[9722]: amfs_toplvl_mount: amfs_mount failed: No such device

Oct 18 18:32:35 dolly-centos5-A amd[9723]: '/vols': mount: No such device

Oct 18 18:32:35 dolly-centos5-A amd[9723]: amfs_toplvl_mount: amfs_mount failed: No such device

device

Oct 18 18:32:35 dolly-centos5-A amd[9718]: /home-adp: mount (amfs_cont): No such device

Oct 18 18:32:35 dolly-centos5-A amd[9718]: /adpdev: mount (amfs_cont): No such device

Oct 18 18:32:35 dolly-centos5-A amd[9718]: /vols: mount (amfs_cont): No such device

Oct 18 18:32:35 dolly-centos5-A amd[9718]: /homes: mount (amfs_cont): No such device

Oct 18 18:32:35 dolly-centos5-A amd[9718]: /local: mount (amfs_cont): No such device
