Subject: Problems with bridging across multiple containers.
Posted by feighery on Mon, 24 Mar 2008 16:18:38 GMT
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I am having a problem with openvz and bridging across multiple containers.
Any help or insight would be greatly appreciated.

> uname -a
Linux blu12 2.6.18-ovz028stab053.5my.kernel.v5-enterprise #4 SMP Mon Mar 17
14:06:14 EDT 2008 i686 athlon i386 GNU/Linux

My architecture can be boiled down to the following. I have three separate
containers.

veid 101 has 1 Ethernet interface
 eth1 - 10.100.1.1

veid 102 has 2 Ethernet interfaces
 eth1 - 10.100.1.2
 eth2 - 10.100.1.3
 in addition I create a bridge 'test1' on 102 to bridge eth1 and eth2
together.

veid 103 has 1 Ethernet interface
 eth1 - 10.100.1.21

Given this scenario I should be able to ping from 10.100.1.1 to 10.100.1.21
and container 102 should simply bridge all frames on eth1 and eth2. However
I cannot even get the arp request from 10.100.1.1 to 10.100.1.21.

on veid 101: I can see the arp request leave the eth1 interface via tcpdump
on the Host: I can see the arp request received on the veth101.1 interface
via tcpdump
on the Host: I can see the arp request leave the veth102.1 interface via
tcpdump
on veid 102: I can see the arp request received on the eth1 interface via
tcpdump
on veid 102: I can see the arp request on the test1 bridged interface via
tcpdump
on veid 102: I can see the arp request leave the eth2 interface via
tcpdump
on the Host: I DO NOT see the arp request on the veth102.2 interface via
tcpdump

In addition. on veid 102, 'ifconfig eth2' does not show the receive or xmit
count increasing. Is there some type of low layer filtering occurring? If
so how can it be disabled.?

Many thanks

Best regards
Pat Feighery