Subject: loopback ipv4 tcp not working
Posted by tramsdell on Thu, 25 Jun 2015 20:08:57 GMT
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Hello.

There are a few old postings on this topic but the suggested fixes are don't have any effect. Hopefully some of this is new info.

Essentially, the container behaves as though there is firewall blocking TCP over IPv4 in one particular container. The following commands do work as expected:

ssh localhost // this connects successfully through the IPv6 loopback address
ping 127.0.0.1 // ping replies normally on the IPv4 address and is observable with tcpdump

This does not work:

ssh 127.0.0.1

Tcpdump shows the IPv4 SYN packets but there is no inbound traffic at all. This is not peculiar to ssh, anything trying to communicate TCP over the IPv4 loopback does not work. Sniffing ssh to the IPv6 address shows the expected traffic. I've not tried UDP.

Based on other posts, the ip_forward was set to 1 with no effect. Another post had 127.0.0.1 assigned to multiple interfaces - this is not the case here. iptables is not running. Other containers on the same host do not have this problem and appear to be configured identically to the broken one.

For what it's worth, the process we run in the container crashed and management software restarted the container. After the restart, we have this loopback problem.

Are there any logging or diagnostics that can be enabled in this area? There are no obvious messages in /var/log/messages. Any other suggestions?

Thanks.
Tom