

Foreman - Bug #3572

Openstack DNS floating/fixed IP mix up

11/04/2013 02:46 PM - Andy Taylor

Status:	Rejected	
Priority:	Normal	
Assignee:		
Category:	Compute resources	
Target version:		
Difficulty:		Fixed in Releases:
Triaged:		Found in Releases:
Bugzilla link:		Red Hat JIRA:
Pull request:		
Description		
<p>I think I've found an issue with how Foreman deals with DNS entries for Openstack VMs.</p> <p>The DNS records (A record and PTR record) for VMs are created correctly, with the floating IP being used for both records. However, when a VM is deleted, Foreman sometimes tries to delete a PTR record with the fixed IP, which obviously doesn't exist. This leads to old PTR records not being cleaned up and eventually DNS conflicts when new VMs are created.</p> <p>I've grabbed the relevant entries from the Foreman proxy log. Here is the VM being created:</p> <pre>DEBUG -- : running /usr/bin/nsupdate -k /var/named/chroot/etc/Kforeman.+157+35782.private DEBUG -- : nsupdate: executed - server 172.25.96.7 DEBUG -- : nsupdate: executed - update add 7.120.25.172.in-addr.arpa. 86400 IN PTR newtest.office.example.com DEBUG -- : running /usr/bin/nsupdate -k /var/named/chroot/etc/Kforeman.+157+35782.private DEBUG -- : nsupdate: executed - server 172.25.96.7 DEBUG -- : nsupdate: executed - update add newtest.office.example.com. 86400 A 172.25.120.7</pre> <p>Note it's using 172.25.120.7, which is the floating IP for the VM.</p> <p>Now the log from when the VM is deleted:</p> <pre>DEBUG -- : running /usr/bin/nsupdate -k /var/named/chroot/etc/Kforeman.+157+35782.private DEBUG -- : nsupdate: executed - server 172.25.96.7 DEBUG -- : nsupdate: executed - update delete newtest.office.example.com A DEBUG -- : running /usr/bin/nsupdate -k /var/named/chroot/etc/Kforeman.+157+35782.private DEBUG -- : nsupdate: executed - server 172.25.96.7 DEBUG -- : nsupdate: executed - update delete 4.96.25.172.in-addr.arpa PTR</pre> <p>Here it tries to delete a PTR record for 127.25.96.4, which is the fixed IP address of the VM. As that record was never created the operation fails, and the correct PTR record isn't cleaned up.</p> <p>This is with Foreman 1.3.0.</p>		

History

#1 - 11/04/2013 02:50 PM - Andy Taylor

Forgot to add that this doesn't happen every time. Sometimes it uses the floating IP when it deletes the PTR record, sometimes it doesn't.

#2 - 11/08/2013 01:46 PM - Andy Taylor

Turns out this was an issue with our own DNS configuration, nothing to do with Foreman. Sorry, this can be closed!

#3 - 11/08/2013 01:51 PM - Dominic Cleal

- Status changed from New to Rejected

Thanks for letting us know!