

Installer - Bug #20912

Satellite-installer --foreman-proxy-dhcp-interface don't configure properly dhcpd interface on RHEL7

09/13/2017 09:19 AM - Ivan Necas

Status:	Closed	
Priority:	Normal	
Assignee:	Ewoud Kohl van Wijngaarden	
Category:	Foreman modules	
Target version:		
Difficulty:		Fixed in Releases:
Triaged:		Found in Releases:
Bugzilla link:	1490443	Red Hat JIRA:
Pull request:	https://github.com/theforeman/puppet-dhcp/pull/110	

Description

Cloned from https://bugzilla.redhat.com/show_bug.cgi?id=1490443

Description of problem:

--foreman-proxy-dhcp-interface eth1 switch add interface name (eth1) to /etc/sysconfig/dhcpd. It work on RHEL6 but not on RHEL7 since this configuration file is ignored by systemctl

Version-Release number of selected component (if applicable):

Red Hat Satellite 6.2.11 and Red Hat Enterprise 7.x

How reproducible:

Install a RHEL 7 server and Red Hat Satellite 6.2 with switch --foreman-proxy-dhcp-interface to a specific interface

Steps to Reproduce:

1. Install a RHEL 7
2. Install Red Hat Satellite 6.2 with switch --foreman-proxy-dhcp-interface
3. Checks arguments on dhcpd command line with ps
4. Checks dhcpd listening interface with netstat or lsof

Actual results:

dhcpd listen on all interfaces even with -foreman-proxy-dhcp-interface switch

Expected results:

dhcpd should listen on a specific interface and not complain about unconfigured networks from any other interfaces

Additional info:

On RHEL 7.x (or systemd compliant os) /etc/sysconfig/dhcpd should not be configured and something like following commands should be done (example with eth1)

```
#> sed 's|^ExecStart=.*$|& eth1|' /usr/lib/systemd/system/dhcpd.service > /etc/systemd/system/dhcpd.service
#> systemctl --system daemon-reload
```

cf :

https://access.redhat.com/documentation/en-US/Red_Hat_Enterprise_Linux/7/html/Networking_Guide/sec-dhcp-configuring-server.html

```
#> systemctl status dhcpd
[] dhcpd.service - DHCPv4 Server Daemon
Loaded: loaded (/etc/systemd/system/dhcpd.service; enabled; vendor preset: disabled)
Active: active (running) since Mon 2017-09-11 15:46:11 CEST; 9s ago
```

```
Docs: man:dhcpd(8)
man:dhcpd.conf(5)
Main PID: 3236 (dhcpd)
Status: "Dispatching packets..."
CGroup: /system.slice/dhcpd.service
└─3236 /usr/sbin/dhcpd -f -cf /etc/dhcp/dhcpd.conf -user dhcpd -group dhcpd -no-pid eth1 ← here eth1
```

```
journalctl -u dhcpd
dhcpd3236: Internet Systems Consortium DHCP Server 4.2.5
dhcpd3236: Copyright 2004-2013 Internet Systems Consortium.
dhcpd3236: All rights reserved.
dhcpd3236: For info, please visit https://www.isc.org/software/dhcp/
dhcpd3236: Wrote 0 leases to leases file.
dhcpd3236: Listening on LPF/eth1/52:54:00:86:19:3a/10.100.100.0/24 ← listen
dhcpd3236: Sending on LPF/eth1/52:54:00:86:19:3a/10.100.100.0/24 <----- answers
dhcpd3236: Sending on Socket/fallback/fallback-net
systemd1: Started DHCPv4 Server Daemon.
```

instead of

```
systemd1: Starting DHCPv4 Server Daemon...
dhcpd5656: Internet Systems Consortium DHCP Server 4.2.5
dhcpd5656: Copyright 2004-2013 Internet Systems Consortium.
dhcpd5656: All rights reserved.
dhcpd5656: For info, please visit https://www.isc.org/software/dhcp/
dhcpd5656: Not searching LDAP since ldap-server, ldap-port and ldap-base-dn were not specified in the config file
dhcpd5656: Internet Systems Consortium DHCP Server 4.2.5
dhcpd5656: Copyright 2004-2013 Internet Systems Consortium.
dhcpd5656: All rights reserved.
dhcpd5656: For info, please visit https://www.isc.org/software/dhcp/
dhcpd5656: Wrote 0 leases to leases file.
dhcpd5656: Listening on LPF/eth1/52:54:00:86:19:3a/10.100.100.0/24
dhcpd5656: Sending on LPF/eth1/52:54:00:86:19:3a/10.100.100.0/24
dhcpd5656:
dhcpd5656: No subnet declaration for eth0 (10.100.1.20). <----- listen on eth0 and eth1 and complain
dhcpd5656: * Ignoring requests on eth0. If this is not what you want, please write a subnet declaration
in your dhcpd.conf file for the network segment
to which interface eth0 is attached. *
dhcpd5656:
dhcpd5656: Sending on Socket/fallback/fallback-net
systemd1: Started DHCPv4 Server Daemon.
```

Associated revisions

Revision [df9f653e](#) - 09/14/2017 08:27 AM - Ewoud Kohl van Wijngaarden

Fixes #20912 - Listen on interfaces in EL7

https://access.redhat.com/documentation/en-US/Red_Hat_Enterprise_Linux/7/html/Networking_Guide/sec-dhcp-configuring-server.html#starting-stop-ping-server

suggests to override the full file but this just uses a drop-in to change as little as possible.

History

#1 - 09/13/2017 09:21 AM - Ivan Necas

- Subject changed from *Satellite-installer --foreman-proxy-dhcp-interface don't configure properly dhcpd interface on RHEL7* to *Satellite-installer --foreman-proxy-dhcp-interface don't configure properly dhcpd interface on RHEL7*

- Category set to *Foreman modules*

#2 - 09/13/2017 10:56 AM - The Foreman Bot

- Status changed from *New* to *Ready For Testing*

- Assignee set to *Ewoud Kohl van Wijngaarden*

- Pull request <https://github.com/theforeman/puppet-dhcp/pull/110> added

#3 - 09/14/2017 10:01 AM - Ewoud Kohl van Wijngaarden

- *Status changed from Ready For Testing to Closed*

- *% Done changed from 0 to 100*

Applied in changeset [puppet-dhcp|df9f653e1e3802595f77ca4bcec82395f6b4c40d](#).