Installer - Bug #9302

Omitting "optional" options in the provisioning wizard results in a syntactically invalid dhcpd.conf

02/10/2015 01:32 AM - Ian Denhardt

Status:	Resolved		
Priority:	Normal		
Assignee:			
Category:			
Target version:			
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	1.7.2
Bugzilla link:		**Red Hat JIRA:**	
Pull request:			

Description

In Foreman's wizard for setting up provisioning, on page 2, "Network config" there are several fields labeled "optional" -- dhcp address ranges, gateway and primary dns. I've not tried omitting the primary dns, but omitting any of the other fields results in a syntactically invalid dhcpd.conf. For example, if you omit the address range fields, dhcpd.conf ends up containing:

```
range  ;
```

There are two fairly obvious problems here:

1) The wizard is incorrect, these values are clearly mandatory.
2) The cli tool is not checking its arguments carefully either -- the generated command should complain if it's missing an option that will be required to complete successfully.

History

#1 - 02/10/2015 01:35 AM - Ian Denhardt

When omitting everything "optional" but the primary dns dhcpd fails to start with the following in the output of journalctl -xe (CentOS 7 host):

```
Feb 10 06:05:54 foreman dhcpd[31782]: Internet Systems Consortium DHCP Server
4.2.5
Feb 10 06:05:54 foreman dhcpd[31782]: Copyright 2004-2013 Internet Systems
Consortium.
Feb 10 06:05:54 foreman dhcpd[31782]: All rights reserved.
Feb 10 06:05:54 foreman dhcpd[31782]: For info, please visit
https://www.isc.org/software/dhcp/
Feb 10 06:05:54 foreman dhcpd[31782]: /etc/dhcp/dhcpd.conf line 33: expecting
numeric value.
Feb 10 06:05:54 foreman dhcpd[31782]: range  ;
Feb 10 06:05:54 foreman dhcpd[31782]: ^
Feb 10 06:05:54 foreman dhcpd[31782]: /etc/dhcp/dhcpd.conf line 38: semicolon
expected.
Feb 10 06:05:54 foreman dhcpd[31782]: }
Feb 10 06:05:54 foreman dhcpd[31782]: ^
Feb 10 06:05:54 foreman dhcpd[31782]: /etc/dhcp/dhcpd.conf line 38: unexpected
end of file
Feb 10 06:05:54 foreman dhcpd[31782]: Feb 10 06:05:54 foreman dhcpd[31782]: ^
Feb 10 06:05:54 foreman dhcpd[31782]: /etc/dhcp/dhcpd.conf line 38: unexpected
end of file
Feb 10 06:05:54 foreman dhcpd[31782]: Feb 10 06:05:54 foreman dhcpd[31782]: ^
Feb 10 06:05:54 foreman dhcpd[31782]: Configuration file errors encountered --
exiting
Feb 10 06:05:54 foreman dhcpd[31782]: Feb 10 06:05:54 foreman dhcpd[31782]: This
version of ISC DHCP is based on the release available
Feb 10 06:05:54 foreman dhcpd[31782]: on ftp.isc.org.  Features have been added
and other changes
Feb 10 06:05:54 foreman dhcpd[31782]: have been made to the base software
release in order to make
Feb 10 06:05:54 foreman dhcpd[31782]: it work better with this distribution.
Feb 10 06:05:54 foreman dhcpd[31782]: Feb 10 06:05:54 foreman dhcpd[31782]:
Please report for this software via the CentOS Bugs Database:
Feb 10 06:05:54 foreman dhcpd[31782]: http://bugs.centos.org/
```

```
Feb 10 06:05:54 foreman dhcpd[31782]: Feb 10 06:05:54 foreman dhcpd[31782]:
exiting.
Feb 10 06:05:54 foreman systemd[1]: dhcpd.service: main process exited,
code=exited, status=1/FAILURE
Feb 10 06:05:54 foreman systemd[1]: Failed to start DHCPv4 Server Daemon.
-- Subject: Unit dhcpd.service has failed
```

#2 - 02/10/2015 03:58 AM - Dominic Cleal

- Project changed from Foreman to Installer

- Status changed from New to Resolved

I think this has been fixed by the following commit:

https://github.com/theforeman/puppet-dhcp/commit/b1503c75f6da77ed76cc96007b7c48bde76a2992

This will be available in Foreman 1.8.

```
Feb 10 06:05:54 foreman dhcpd[31782]: Feb 10 06:05:54 foreman dhcpd[31782]:
exiting.
Feb 10 06:05:54 foreman systemd[1]: dhcpd.service: main process exited,
code=exited, status=1/FAILURE
Feb 10 06:05:54 foreman systemd[1]: Failed to start DHCPv4 Server Daemon.
-- Subject: Unit dhcpd.service has failed
```

#2 - 02/10/2015 03:58 AM - Dominic Cleal