Foreman - Feature #17626

Support 'manual' iface type in debian based systems

12/11/2016 09:09 AM - Ron Valente

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

Description

Currently 'dhcp' or 'static' are supported, allow for an interface to come online and have an IP assigned. In the case where you would want to instantiate a bond and tag it on a VLAN, but not have an IP address assigned, you would use `iface bond0 inet manual`.

A complex example would be setting up interfaces to bonds

```
auto enp6s0f0
iface enp6s0f0 inet manual
    bond-master bond0

auto enp129s0f0
iface enp129s0f0 inet manual
    bond-master bond0

auto enp6s0f1
iface enp6s0f1 inet manual
    bond-master bond1

auto enp129s0f1
iface enp129s0f1 inet manual
    bond-master bond1
```

Then configuring the bonds

```
auto bond0
iface bond0 inet manual
    bond-mode 4
    bond-miimon 100
    bond-lacp-rate 1
    bond-slaves enp6s0f0 enp129s0f0

auto bond1
iface bond1 inet manual
    bond-mode 4
    bond-miimon 100
    bond-lacp-rate 1
    bond-slaves enp6s0f1 enp129s0f1
```

Then adding tagged sub-interfaces to these bonds

```
auto bond0.10
iface bond0.10 inet manual
    vlan-raw-device bond0

auto bond1.20
iface bond1.20 inet manual
    vlan-raw-device bond1
```

Then setup bridges to host container networks

```
# Control Plane Traffic
auto mgmt
iface mgmt inet static
    bridge_stp off
    bridge_waitport 0
    bridge_fd 0
    bridge_ports bond0.10
    address 192.168.1.2
    netmask 255.255.255.0
    gateway 192.168.0.1
    dns-nameservers 8.8.8.8 8.8.4.4

# Allow Containers to TAG traffic
auto vlan
iface br-vlan inet manual
    bridge_stp off
    bridge_waitport 0
    bridge_fd 0
    bridge_ports bond1
```

History

#1 - 12/11/2016 11:07 AM - Anonymous

- Category set to Templates

The networking setup snippet for Debian based distros is lacking these features:
https://github.com/theforeman/community-templates/blob/develop/snippets/preseed_networking_setup.erb
Although the topic is coming up on the mailing lists and IRC every few months, nobody from the community has implemented this, yet... The kickstart netwotrking setup snippet is feature complete and could be used a base for this.