

Open Infrastructure - Task #6683

Fix OpenNebula vxlan creation / check differences to manual creation

05/13/2019 07:02 PM - Nico Schottelius

Status:	Rejected	Start date:	05/13/2019
Priority:	Normal	Due date:	05/24/2019
Assignee:	Jin-Guk Kwon	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
PM Check date:			

Description

Creating manually

Creating vxlans manually works in our networks:

```
[17:54:12] server2.place6:~# ip -6 link add vxlan4242 type vxlan id
4242 dstport 4789 local 2a0a:e5c0:2:1:21b:21ff:febb:68d8 group
ff05::4242 dev bond0.11 ttl 5
```

```
[18:07:33] server3.place6:~# ip -6 link add vxlan4242 type vxlan id 4242 dstport 4789 local 2a0a:e
5c0:2:1:21b:21ff:febb:68f0 group ff05::4242 dev bond0.11 ttl 5
```

```
[18:08:05] server2.place6:~# ip addr add 2a0a:e5c0:5:2::2/64 dev vxlan4242
```

```
[18:09:44] server2.place6:~# ip l s vxlan4242 up
```

```
[18:07:33] server3.place6:~# ip -6 link add vxlan4242 type vxlan id 4242 dstport 4789 local 2a0a:e
5c0:2:1:21b:21ff:febb:68f0 group ff05::4242 dev bond0.11 ttl 5
```

```
[18:08:04] server3.place6:~# ip addr add 2a0a:e5c0:5:2::3/64 dev vxlan4242
```

```
[18:09:40] server3.place6:~# ip l s vxlan4242 up
```

```
[18:09:49] server3.place6:~# ping 2a0a:e5c0:5:2::2
```

```
PING 2a0a:e5c0:5:2::2(2a0a:e5c0:5:2::2) 56 data bytes
```

```
64 bytes from 2a0a:e5c0:5:2::2: icmp_seq=1 ttl=64 time=0.570 ms
```

```
64 bytes from 2a0a:e5c0:5:2::2: icmp_seq=2 ttl=64 time=0.353 ms
```

```
^C
```

```
--- 2a0a:e5c0:5:2::2 ping statistics ---
```

```
2 packets transmitted, 2 received, 0% packet loss, time 1005ms
```

```
rtt min/avg/max/mdev = 0.353/0.461/0.570/0.110 ms
```

```
[18:09:54] server3.place6:~#
```

Created by opennebula

Creating vxlans with OpenNebula only makes them work on the same host. I assume that

- the group parameter may be wrong
- dstport might or might not be right

How to solve

- Read <https://vincent.bernat.ch/en/blog/2017-vxlan-linux> to understand how it is supposed to work
- Analyse /var/tmp/one/vnm/vxlan/vxlan.rb
- Create some vxlan networks (see [Networking](#), prefix 2a0a:e5c0:5::/48 is usable) and debug opennebula behaviour
- Find out the difference between the networks created by opennebula and the manual version above
- Fix/patch vxlan.rb
- Add patch to cdist / overwrite until opennebula fixed it
- Submit patch to opennebula / github

History

#2 - 06/25/2019 10:06 PM - Mirjana Rupar

Jin-Guk Kwon, can you update the status of the task, please?

#3 - 06/25/2019 10:25 PM - Nico Schottelius

- *Status changed from New to Rejected*

Will not do -- we will implement this in ucloud

redmine@ungleich.ch writes: