

OpenNebula - Bug #4669

ovswitch vlan tag missing

07/21/2016 08:18 AM - Emil Öhgren

Status:	Closed	Start date:	07/21/2016
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Drivers - Network	Estimated time:	0.00 hour
Target version:		Pull request:	
Resolution:	worksforme		
Affected Versions:	OpenNebula 5.0		

Description

After upgrading to opennebula 5.0, opennebula no longer adds the vlan tag on ovswitch interfaces on new virtual machines.

```
1. onevnet show 0
VIRTUAL NETWORK 0 INFORMATION
ID      : 0
NAME    : VLAN20
USER    : oneadmin
GROUP   : DEVOPS
CLUSTERS : 100
BRIDGE  : br0
VN_MAD  : ovswitch
VLAN ID : 20
USED LEASES : 32
```

PERMISSIONS

```
OWNER    : um-
GROUP    : uma
OTHER    : ---
```

VIRTUAL NETWORK TEMPLATE

```
AR=[ SIZE="1022", TYPE="ETHER" ]
BRIDGE="br0"
DESCRIPTION="etc"
NAME="VLAN20"
PHYDEV=""
VLAN="YES"
VLAN_ID="20"
VN_MAD="ovswitch"
```

boot log:

```
Wed Jul 20 14:59:51 2016 [Z0][VM][I]: New state is ACTIVE
Wed Jul 20 14:59:51 2016 [Z0][VM][I]: New LCM state is PROLOG
Wed Jul 20 14:59:52 2016 [Z0][VM][I]: New LCM state is BOOT
Wed Jul 20 14:59:52 2016 [Z0][VMM][I]: Generating deployment file: /var/lib/one/vms/378/deployment.0
Wed Jul 20 14:59:54 2016 [Z0][VMM][I]: Successfully execute transfer manager driver operation: tm_context.
Wed Jul 20 14:59:54 2016 [Z0][VMM][I]: ExitCode: 0
Wed Jul 20 14:59:54 2016 [Z0][VMM][I]: Successfully execute network driver operation: pre.
Wed Jul 20 14:59:55 2016 [Z0][VMM][I]: ExitCode: 0
Wed Jul 20 14:59:55 2016 [Z0][VMM][I]: Successfully execute virtualization driver operation: deploy.
Wed Jul 20 14:59:56 2016 [Z0][VMM][I]: post: Executed "sudo ovs-ofctl add-flow br0"
```

in_port=29,dl_src=02:00:ec:7e:07:26,priority=40000,actions=normal".

Wed Jul 20 14:59:56 2016 [Z0][VMM][I]: post: Executed "sudo ovs-ofctl add-flow br0 in_port=29,priority=39000,actions=drop".

Wed Jul 20 14:59:56 2016 [Z0][VMM][I]: ExitCode: 0

Wed Jul 20 14:59:56 2016 [Z0][VMM][I]: Successfully execute network driver operation: post.

Wed Jul 20 14:59:56 2016 [Z0][VM][I]: New LCM state is RUNNING

ovs-vsctl show

0b02a72e-769c-4c02-9d50-d6489fd587fe

Bridge "br0"

Port "one-378-0"

Interface "one-378-0"

Port "vnet0"

tag: 20

Interface "vnet0"

Port "bond0"

Interface "p1p1"

Interface "p1p2"

Port "br0"

Interface "br0"

type: internal

Port mgm

Interface mgm

type: internal

ovs_version: "2.0.2"

1. onevm show 378

VIRTUAL MACHINE 378 INFORMATION

ID : 378

NAME : labb04

USER : foo

GROUP : DEVOPS

STATE : ACTIVE

LCM_STATE : RUNNING

RESCHED : No

HOST : vm04

CLUSTER ID : 100

CLUSTER : cl1

START TIME : 07/20 14:59:36

END TIME : -

DEPLOY ID : one-378

VIRTUAL MACHINE MONITORING

CPU : 0.0

MEMORY : 574.8M

NETTX : 2.2M

NETRX : 105M

PERMISSIONS

OWNER : um-

GROUP : um-

OTHER : ---

VM DISKS

ID	DATASTORE	TARGET IMAGE	SIZE	TYPE	SAVE
----	-----------	--------------	------	------	------

```
0 cephds vda trusty-server-cloudimg /2.2G rbd NO
1 hda CONTEXT 1M/ - -
```

VM NICS

ID	NETWORK	BRIDGE	IP	MAC
0	VLAN20	br0	-	02:00:ec:7e:07:26

VIRTUAL MACHINE HISTORY

SEQ	HOST	ACTION	DS	START	TIME	PROLOG
0	vm04	none	0	07/20 14:59:51	0d 00h37m	0h00m01s

USER TEMPLATE

```
HOSTNAME="lab04"
HYPERVISOR="kvm"
LOGO="images/logos/ubuntu.png"
SCHED_RANK="-RUNNING_VMS"
SCHED_REQUIREMENTS="ENOUGH_RESOURCES = 1"
USER_INPUTS=[
  HOSTNAME="M|text|hostname" ]
```

VIRTUAL MACHINE TEMPLATE

```
AUTOMATIC_DS_REQUIREMENTS="\\"CLUSTERS/ID\" = 100"
AUTOMATIC_REQUIREMENTS="(CLUSTER_ID = 100) & !(PUBLIC_CLOUD = YES)"
CONTEXT=[
  DISK_ID="1",
  HOSTNAME="host1",
  SSH_PUBLIC_KEY="ssh-rsa ",
  TARGET="hda",
  USER_DATA="#cloud-config
```

bootcmd:

```
- ifdown a
hostname: 'lab04'
fqdn: 'host1'
manage_etc_hosts: true
apt_update: true
apt_upgrade: true
apt_reboot_if_required: true
timezone: Europe/Stockholm
packages:
  - nano
apt_sources:
  - source: 'deb http://apt.chef trusty main'
  - key: |
```

BEGIN PGP PUBLIC KEY BLOCK

```
Version: GnuPG v1.4.12 (Darwin)
Comment: GPGTools - http://gpgtools.org
-----END PGP PUBLIC KEY BLOCK-----
```

chef:

```
force_install: false
server_url: 'https://chef/organizations/org1'
node_name: 'host1'
validation_name: deltaprojects-validator
```

```
validation_cert: |
  -----BEGIN RSA PRIVATE KEY-----
  -----END RSA PRIVATE KEY-----
run_list:
  - 'role[foo]'
  - 'role[bar]'
runcmd:
  - /opt/chef/embedded/bin/gem install chef_handler_foreman
  - chef-client
output: {all: '| tee -a /var/log/cloud-init-output.log'}
" ]
CPU="1"
GRAPHICS=[
  LISTEN="0.0.0.0",
  PORT="6278",
  TYPE="VNC" ]
MEMORY="512"
NIC_DEFAULT=[
  MODEL="virtio" ]
OS=[
  BOOT="network,hd" ]
RAW=[
  DATA="<cpu mode='custom' match='exact'>
<model fallback='forbid'>SandyBridge</model>
<vendor>Intel</vendor>
<feature policy='require' name='pdpe1gb'/>
<feature policy='require' name='osxsave'/>
<feature policy='require' name='dca'/>
<feature policy='require' name='pcid'/>
<feature policy='require' name='pdcml'/>
<feature policy='require' name='xtpr'/>
<feature policy='require' name='tm2'/>
<feature policy='require' name='est'/>
<feature policy='require' name='smx'/>
<feature policy='require' name='vmx'/>
<feature policy='require' name='ds_cpl'/>
<feature policy='require' name='monitor'/>
<feature policy='require' name='dtes64'/>
<feature policy='require' name='pbe'/>
<feature policy='require' name='tm'/>
<feature policy='require' name='ht'/>
<feature policy='require' name='ss'/>
<feature policy='require' name='acpi'/>
<feature policy='require' name='ds'/>
<feature policy='require' name='vme'/>
</cpu>",
  TYPE="kvm" ]
SUBMIT_ON_HOLD="YES"
TEMPLATE_ID="24"
VMID="378"
```

History

#1 - 07/21/2016 09:10 AM - Emil Öhgren

I had misunderstood the "onehost sync" command, since I use a shared filesystem for /var/lib/one I was under the impression that I didnt need to sync the files..

But after a onehost sync it solved my problem.

```
oneadmin@vm01:~$ onehost sync
```

- Adding vm01 to upgrade
- Adding vm03 to upgrade
- Adding vm02 to upgrade
- Adding vm04 to upgrade

```
[=====] 4/4 vm04
```

All hosts updated successfully.

#2 - 07/22/2016 02:31 PM - EOLE Team

Emil Öhgren wrote:

I had misunderstood the "onehost sync" command, since I use a shared filesystem for /var/lib/one I was under the impression that I didnt need to sync the files..
But after a onehost sync it solved my problem.

The **onehost sync** copies the directory **/var/lib/one/remotes** from the frontend to **/var/tmp/one/** on the hypervisors, so a shared **/var/lib/one/** is not sufficient.

Regards.

#3 - 07/25/2016 08:14 AM - Ruben S. Montero

- Status changed from Pending to Closed
- Resolution set to worksforme