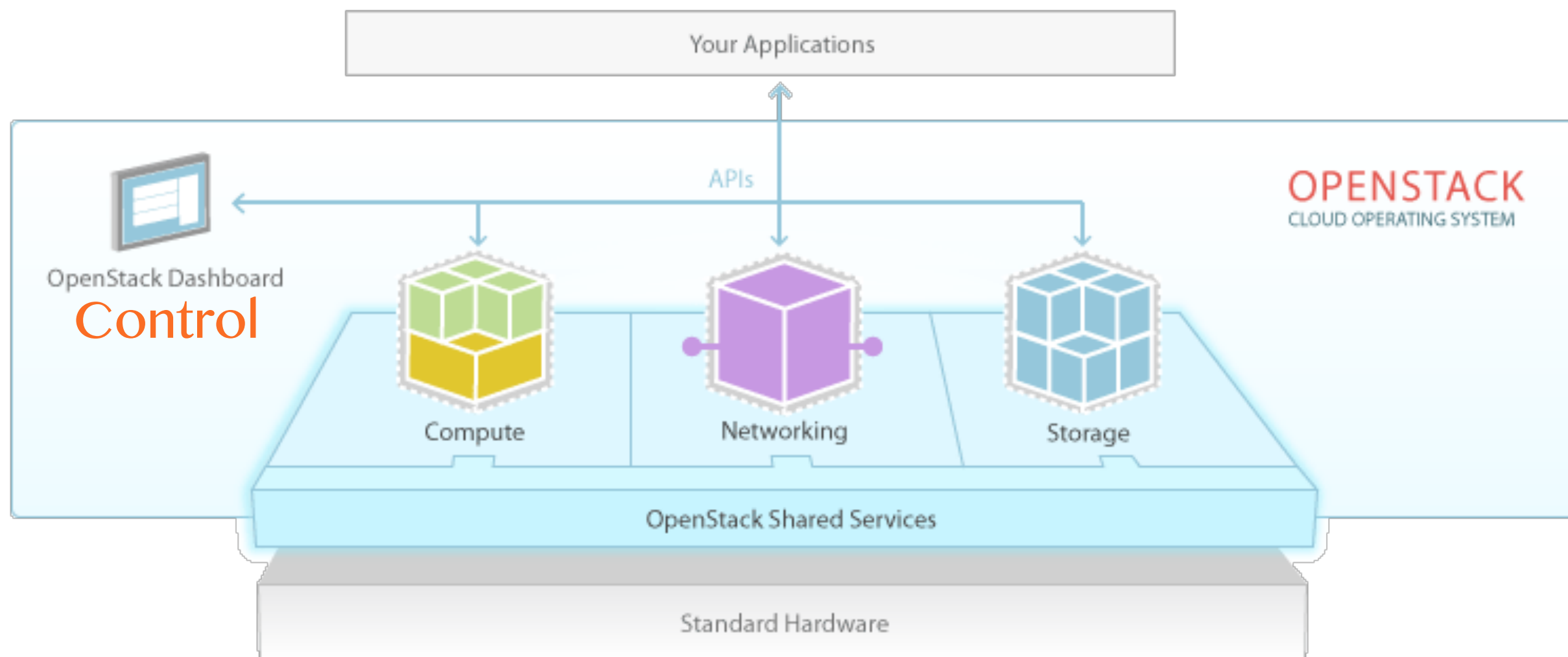


OpenStack with MultiNode

tacchen 2013/10/24



<http://www.openstack.org/software/>

Deploy Environment

- 🔗• OpenStack Version : Grizzly
- 🔗• OS : Ubuntu 13.04 with 3.8 kernel
- 🔗• Open vSwitch : 1.9

OVS tunnel failed to create

GRE tunnel built by Open vSwitch



kernel compatibility problem with 3.8 Kernel in ubuntu 12.04

ERROR [quantum.plugins.openvswitch.agent.ovs_quantum_agent]
Failed to create OVS patch port. Cannot have tunneling enabled on
this agent, since this version of OVS does not support tunnels or
patch ports. Agent terminated!

Ubuntu 12.04 degrade to 3.5 kernel
or
ovs-datapath rebuild for 13.04

OVS tunnel failed to create(cont.)

Ubuntu 12.04 degrade to 3.5 kernel

```
$ sudo apt-get install -y linux-headers-server linux-image-server  
$ sudo apt-get purge -y linux-image-generic-lts-raring linux-headers-  
generic-lts-raring linux-headers-3.8.0-31-generic linux-headers-3.8.0-31  
linux-image-3.8.0-31-generic  
$ sudo reboot
```

ovs-datapath rebuild for 13.04

```
$ sudo apt-get install -y openvswitch-datapath-source module-assistant  
module-assistant prepare  
$ sudo cd /lib/modules/`uname -r`/build/include/linux  
$ sudo ln -s ../generated/uapi/linux/version.h .  
$ sudo module-assistant auto-install openvswitch-datapath
```

Volumes failed to mount

If show ERROR

<input type="checkbox"/>	Name	Description	Size	Status	Type	Attached To	Availability Zone	Actions
<input type="checkbox"/>	test		1GB	In-Use	Test	Attached to sdfsdfsfd on /dev/vdb	nova	<button>Edit Attachments</button>
Displaying 1 item								

mount volumes

// manually mount volumes with CLI

```
$ sudo losetup /dev/loop2 %Your_path_to_cinder_volumes%
```

// auto mount on boot, add following command to /etc/rc.local

```
// losetup /dev/loop2 %Your_path_to_cinder_volumes%
```

```
$ sudo vim /etc/rc.local
```

Instances failed to get ip

Starting network...
udhcpc (v1.20.1) started
Sending discover...
Sending discover...
Sending discover...
No lease, failing
WARN: /etc/rc3.d/S40-network failed
DHCP failed
cirros-ds 'net' up at 188.03

active DHCP service

// make sure that you have create router
\$ sudo /etc/init.d/ntp stop
\$ sudo ntpdate time.stdtime.gov.tw
\$ sudo /etc/init.d/quantum-dhcp-agent restart

Reference

- 🔗 <http://blog.vpetkov.net/2013/08/31/openstack-quantum-open-vswitch-datapath-for-tunnels-or-patch-ports/>
- 🔗 https://github.com/mseknibilel/OpenStack-Grizzly-Install-Guide/blob/OVS_MultiNode/OpenStack_Grizzly_Install_Guide.rst
- 🔗 <http://javacruft.wordpress.com/2013/08/21/openvswitch-for-ubuntu-12-04-3-lts/>
- 🔗 <http://www.openstack.org/>