[**Ubuntu14.04安装配置Open vSwitch**](http://www.cnblogs.com/CasonChan/p/4603873.html)

最近在研究学习Open vSwitch，准备在本地Ubuntu14.04机器上安装一下，并基于其创建一些KVM虚拟机，下面就简要记录下在Ubuntu14.04系统上安装Open vSwitch的过程。

1、由于之前安装过KVM，其在本机生成了一个名为virbr0的bridge，这里我们需要事先将其删除，否则可能会与Open vSwitch产生不兼容的问题，命令如下：

◄► virsh net-destroy default

Network default destroyed

◄► virsh net-autostart --disable default

Network default unmarked as autostarted

2、这里我们同样也不需要bridge模块：

[复制代码](javascript:void(0);)

◄► sudo aptitude purge ebtables

The following packages will be REMOVED:

ebtables{p}

0 packages upgraded, 0 newly installed, 1 to remove and 37 not upgraded.

Need to get 0 B of archives. After unpacking 379 kB will be freed.

Do you want to continue? [Y/n/?] y

(Reading database ... 230918 files and directories currently installed.)

Removing ebtables (2.0.10.4-3ubuntu1) ...

\* Clearing ebtables rulesets [ OK ]

Purging configuration files for ebtables (2.0.10.4-3ubuntu1) ...

Processing triggers for man-db (2.6.7.1-1ubuntu1) ...

[复制代码](javascript:void(0);)

3、下面开始安装openvswitch相关包：

◄► sudo apt-get install openvswitch-switch

4、查看下ovs的运行状况：

◄► ps -ea | grep ovs

10637 ? 00:00:00 ovsdb-server

10647 ? 00:00:00 ovs-vswitchd

5、查看下安装的ovs的版本：

◄► ovs-appctl --version

ovs-appctl (Open vSwitch) 2.0.2

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6、查看下当前ovs支持的OpenFlow协议的版本：

◄► ovs-ofctl --version

ovs-ofctl (Open vSwitch) 2.0.2

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OpenFlow versions 0x1:0x4

7、通过ovs创建一个网桥 br0，供kvm虚拟机使用：

[复制代码](javascript:void(0);)

◄► sudo ovs-vsctl add-br br0

◄► ifconfig

br0 Link encap:Ethernet HWaddr 12:72:fd:75:e5:4b

inet6 addr: fe80::4c0a:7bff:fec6:98d7/64 Scope:Link

UP BROADCAST RUNNING MTU:1500 Metric:1

RX packets:0 errors:0 dropped:0 overruns:0 frame:0

TX packets:7 errors:0 dropped:0 overruns:0 carrier:0

collisions:0 txqueuelen:0

RX bytes:0 (0.0 B) TX bytes:578 (578.0 B)

[复制代码](javascript:void(0);)

通过ifconfig命令，我们发现多了一个br0网桥。

8、将物理网卡eth0添加到br0上：

◄► sudo ovs-vsctl add-port br0 eth0

这步执行后，发现无法再访问外网，不过没关系，我们可以按照如下步骤解决：

1）先清除eth0的配置：

◄► sudo ifconfig eth0 0

2）让br0自动获取ip地址：

◄► sudo dhclient br0

3）此时就又可以通外网了：

◄► ping www.baidu.com

PING www.a.shifen.com (119.75.217.109) 56(84) bytes of data.

64 bytes from 119.75.217.109: icmp\_seq=1 ttl=54 time=30.9 ms

64 bytes from 119.75.217.109: icmp\_seq=2 ttl=54 time=31.9 ms

9、最后查看下目前br0和eth0的情况：

[复制代码](javascript:void(0);)

◄► sudo ovs-vsctl show

1e6548a9-956e-4b86-b743-f8da0aa2b922

Bridge "br0"

Port "br0"

Interface "br0"

type: internal

Port "eth0"

Interface "eth0"

ovs\_version: "2.0.2"