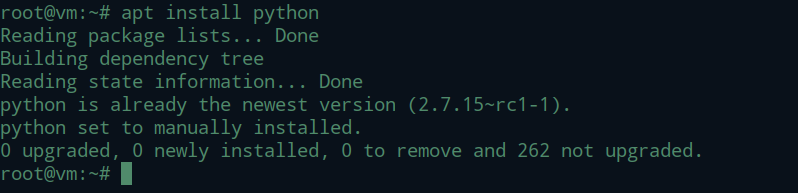
安装特定版本的ovs

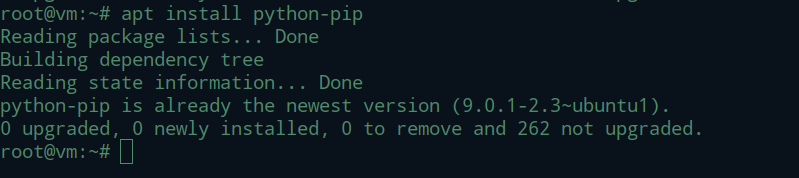
安装python

apt install python



安装python-pip

如果不安装pip，在下面的过程会报错找不到six模块。

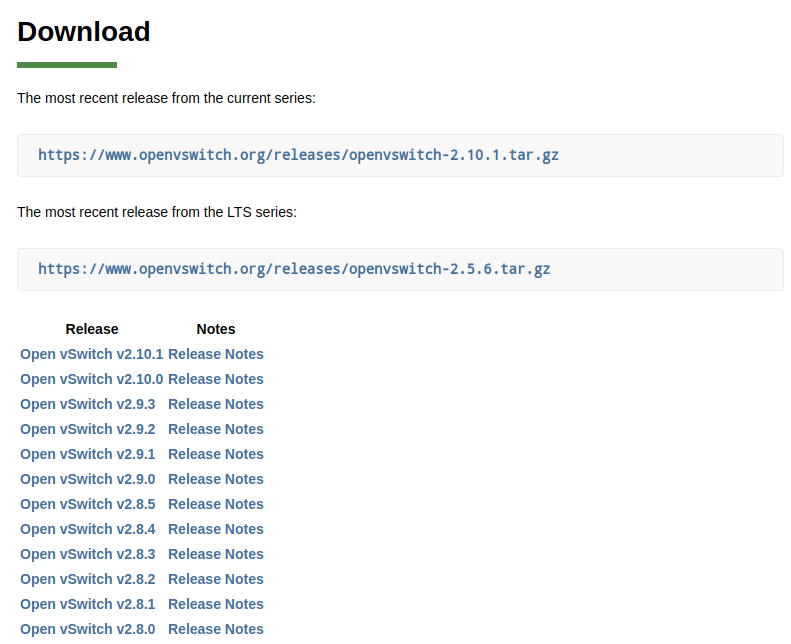


**安装步骤**

我们根据ovs的官方网站  http://www.openvswitch.org/ 的指导文档一步步的完成安装



1. 下载指定版本，可以看到这种安装的好处是你可以指定任何一种版本，不会被apt的安装方式限制了版本号。



这里下载2.9.0

将安装包拷贝到/opt/openvswitch目录下

mv /home/sdn/openvswitch-2.9.0.tar.gz /opt/openvswitch/

查看

root@ubuntu:/opt/openvswitch# ls

openvswitch-2.9.0.tar.gz

解压

tar -zxvf openvswitch-2.9.0.tar.gz

进入openvswitch-2.9.0

root@ubuntu:/opt/openvswitch# cd openvswitch-2.9.0/

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# ls

acinclude.m4 boot.sh configure.ac datapath-windows lib Makefile.in ofproto python tests Vagrantfile windows

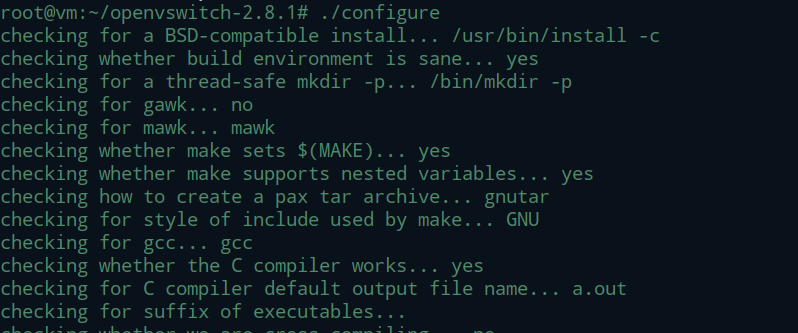
aclocal.m4 build-aux CONTRIBUTING.rst debian m4 manpages.mk ovn README.rst third-party Vagrantfile-FreeBSD xenserver

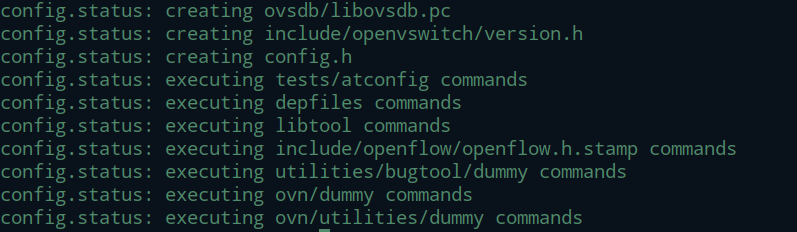
appveyor.yml config.h.in COPYING Documentation MAINTAINERS.rst NEWS ovsdb rhel tutorial vswitchd

AUTHORS.rst configure datapath include Makefile.am NOTICE package.m4 selinux utilities vtep

1. 生成makefile文件

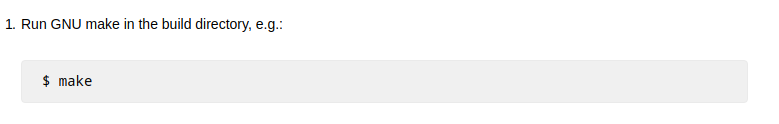
root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# ./configure

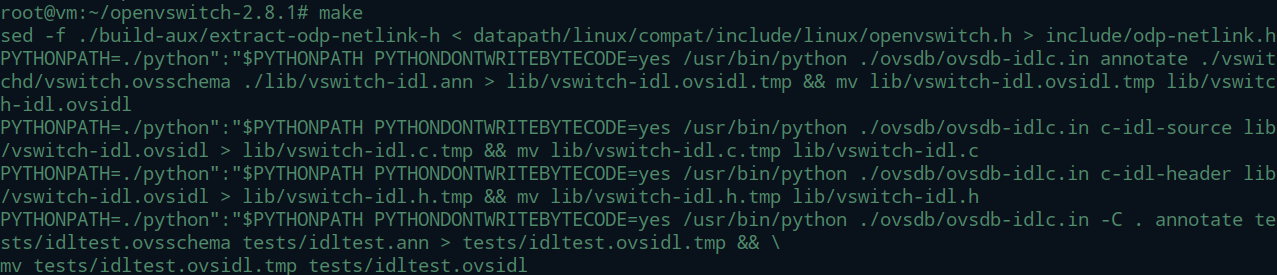


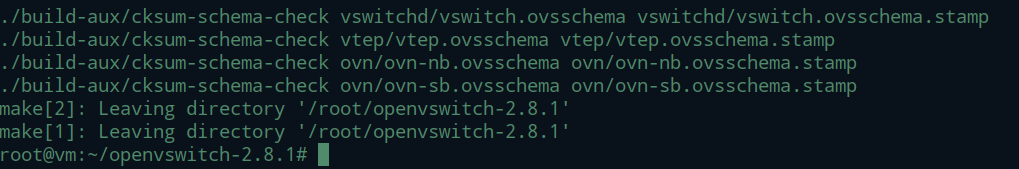


1. make 编译文件

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# make

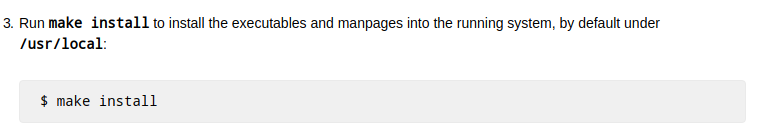


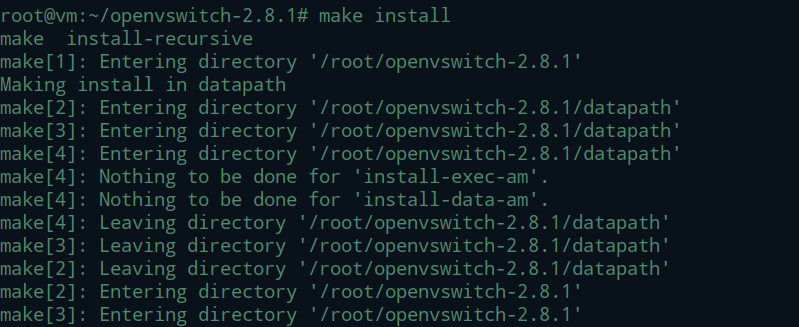




1. make install 安装

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# make install

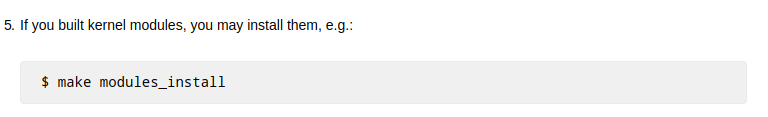


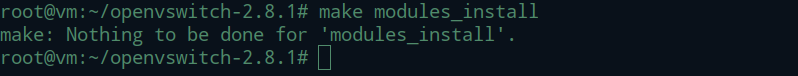


1. 检查模块

如果在安装的过程中生成了修改了内核模块，那么重新编译内核。

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# make modules\_install

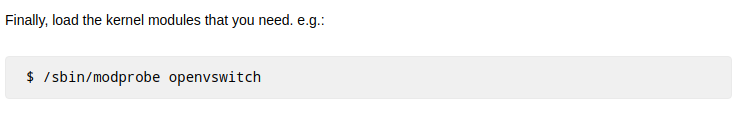


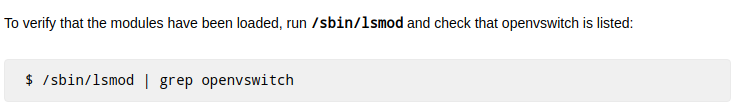


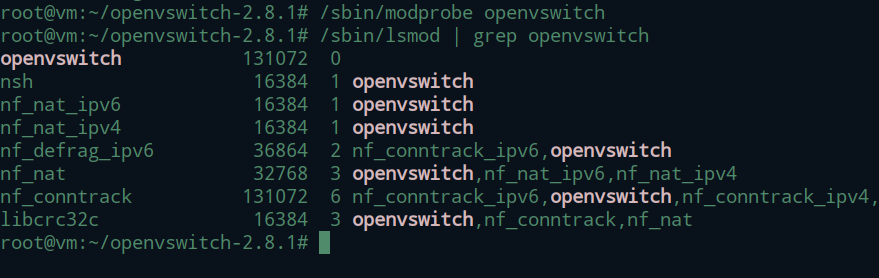
1. 载入模块，载入openvswitch的模块到内核中

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# /sbin/modprobe openvswitch

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# /sbin/lsmod | grep openvswitch



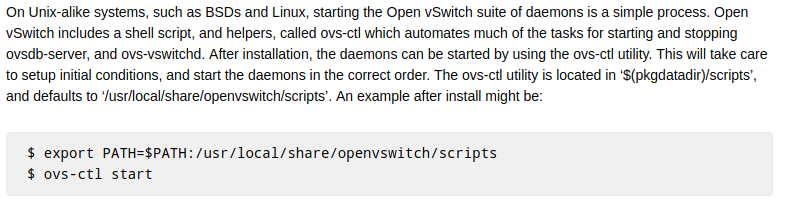


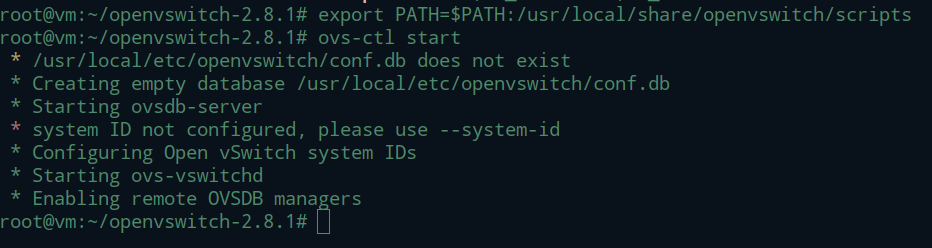


1. 启动

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# export PATH=$PATH:/usr/local/share/openvswitch/scripts

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# ovs-ctl start

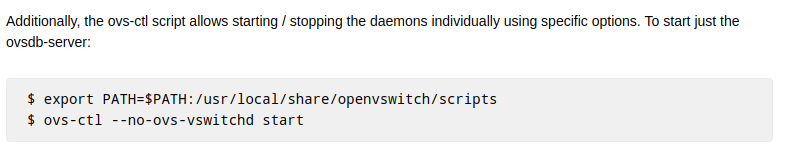


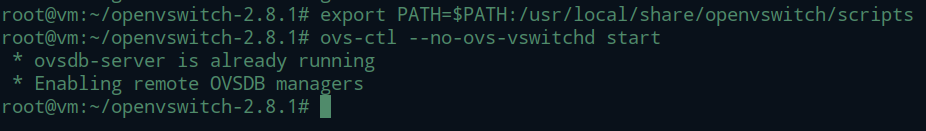


1. 启动ovsdb-server服务

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# export PATH=$PATH:/usr/local/share/openvswitch/scripts

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# ovs-ctl --no-ovs-vswitchd start

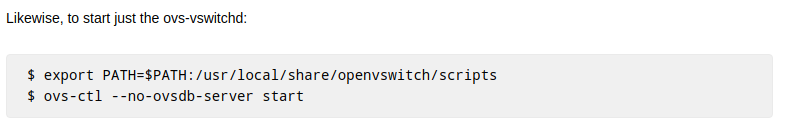


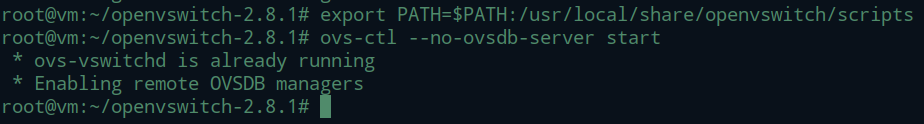


1. 启动ovs-vswitchd服务

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# export PATH=$PATH:/usr/local/share/openvswitch/scripts

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# ovs-ctl --no-ovsdb-server start



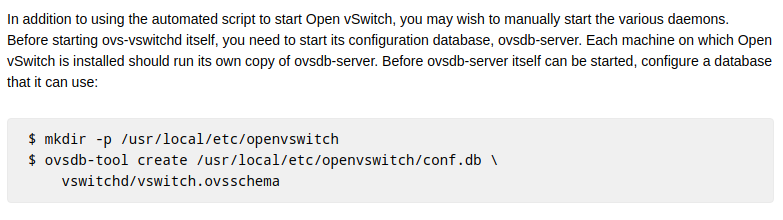


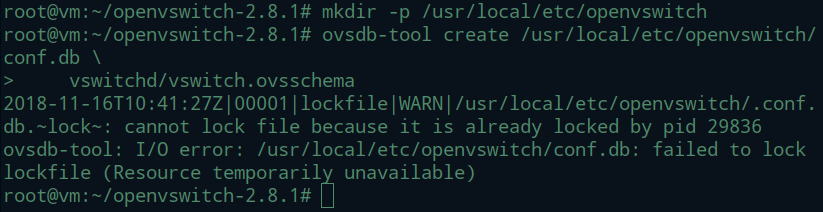
1. 配置ovsdb的数据库

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# mkdir -p /usr/local/etc//openvswitch/

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# ovsdb-tool create /usr/local/etc/openvswitch/conf.db \

> vswitchd/vswitch.ovsschema





1. 配置ovsdb-server以使用上面创建的数据库，监听Unix域套接字

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# mkdir -p /usr/local/var/run/openvswitch/

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# ovsdb-server --remote=punix:/usr/local/var/run/openvswitch/db.sock \

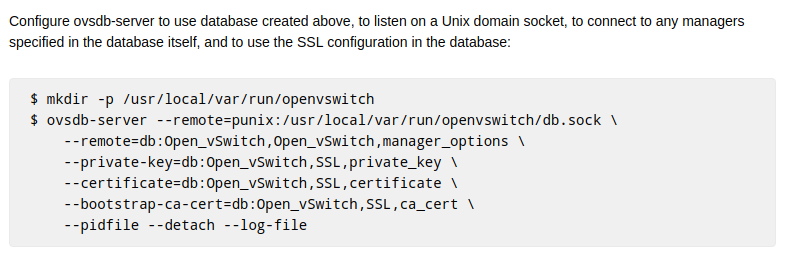
> --remote=db:Open\_vSwitch,Open\_vSwitch,manager\_options \

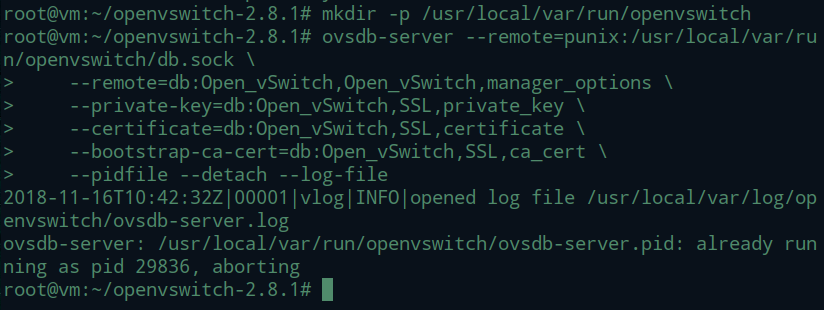
> --private-key=db:Open\_vSwitch,SSL,private\_key \

> --certificate=db:Open\_vSwitch,SSL,certificate \

> --bootstrap-ca-cert=db:Open\_vSwitch,SSL,ca\_cert \

> --pidfile --detach --log-file



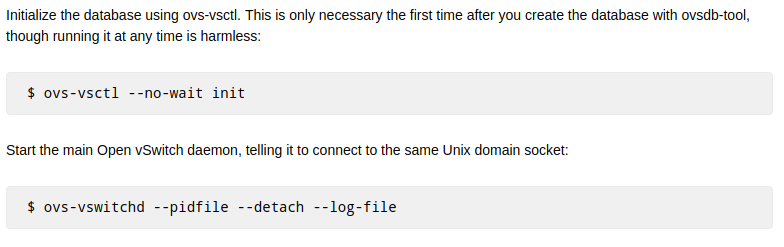


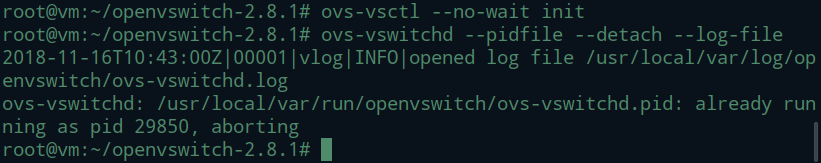
12.使用ovs-vsctl初始化数据库

启动主Open vSwitch守护进程

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# ovs-vsctl --no-wait init

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# ovs-vswitchd --pidfile --detach --log-file





接下来就可以使用了，使用ovs-vsctl show命令，查看ovs的版本号

root@ubuntu:/opt/openvswitch/openvswitch-2.9.0# ovs-vsctl show

d70df2d0-a419-40d1-9ac9-0e30f14e26e4

ovs\_version: "2.9.0"

