**源码安装ironic（**wwtalwtaw**）**

**1、apt-get install libvirt-dev**

四个包需要升级：

libvirt-bin libvirt0 libxen-4.4 libxenstore3.0

四个包原来版本：

libvirt-bin:amd64/trusty-proposed 1.2.2-0ubuntu13.1.5 upgradeable to 1.2.2-0ubuntu13.1.21

libvirt0:amd64/trusty-proposed 1.2.2-0ubuntu13.1.5 upgradeable to 1.2.2-0ubuntu13.1.21

libxen-4.4:amd64/trusty-security 4.4.0-0ubuntu5.2 upgradeable to 4.4.2-0ubuntu0.14.04.12

libxenstore3.0:amd64/trusty-security 4.4.0-0ubuntu5.2 upgradeable to 4.4.2-0ubuntu0.14.04.12

升级后版本：

libvirt-bin:amd64/trusty-proposed 1.2.2-0ubuntu13.1.21 uptodate

libvirt0:amd64/trusty-proposed 1.2.2-0ubuntu13.1.21 uptodate

libxen-4.4:amd64/trusty-security 4.4.2-0ubuntu0.14.04.12 uptodate

libxenstore3.0:amd64/trusty-security 4.4.2-0ubuntu0.14.04.12 uptodate

**2、apt-get install ipmitool**

三个包需要升级：

perl perl-base perl-modules

原来版本：

perl:amd64/trusty-security 5.18.2-2ubuntu1 upgradeable to 5.18.2-2ubuntu1.1

perl-base:amd64/trusty-security 5.18.2-2ubuntu1 upgradeable to 5.18.2-2ubuntu1.1

perl-modules:all/trusty-security 5.18.2-2ubuntu1 upgradeable to 5.18.2-2ubuntu1.1

升级后版本：

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**3、同步数据库：/root/venv/bin/ironic-dbsync –config-file=/etc/ironic/ironic.conf**

同步数据库出现问题 /root/venv/bin/ironic-dbsync –config-file=/etc/ironic/ironic.conf

ValueError: invalid literal for int() with base 10: 'ironic.sqlite'

1、更改/root/venv/local/lib/python2.7/site-packages/ironic/db/sqlalchemy/models.py文件

db\_options.set\_defaults(cfg.CONF, \_DEFAULT\_SQL\_CONNECTION)

2、再次同步出现ImportError: No module named MySQLdb问题

3、运行pip install MySQL-python

4、再次出现问题Command "python setup.py egg\_info" failed with error code 1 in /tmp/pip- build-H4hnt5/MySQL-python/

5.、运行apt install -y libmysqlclient-dev

6、再次出现问题 OperationalError: (\_mysql\_exceptions.OperationalError) (1045, "Access denied for user 'root'@'hty-compute1' (using password: YES)")

7、更改此处/etc/ironic/ironic.conf connection=mysql+pymysql://ironic:hengtian@hty-controller/ironic?charset=utf8

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**4、配置pxe时**

sudo cp /usr/lib/syslinux/modules/\*/ldlinux.\* /tftpboot

出现：cp: cannot stat ‘/usr/lib/syslinux/modules/\*/ldlinux.\*’: No such file or directory

解决办法：**没有解决，暂缓忽略**

**5、配置ironic驱动**

重启nova-compute时log错误信息：ImportError: No module named ironic.nova.compute.manager

**6、挂载mount**

/root/ironic/ironic on /usr/lib/python2.7/dist-packages/ironic type none (rw,bind)

/root/venv/lib/python2.7/site-packages/oslo\_concurrency on /usr/lib/python2.7/dist-packages/oslo\_concurrency type none (rw,bind)

/root/venv/lib/python2.7/site-packages/fasteners on /usr/lib/python2.7/dist-packages/fasteners type none (rw,bind)

/root/venv/lib/python2.7/site-packages/monotonic.py on /usr/lib/python2.7/dist-packages/monotonic.py type none (rw,bind)

/root/venv/lib/python2.7/site-packages/oslo\_config on /usr/lib/python2.7/dist-packages/oslo\_config type none (rw,bind)

/root/venv/lib/python2.7/site-packages/debtcollector on /usr/lib/python2.7/dist-packages/debtcollector type none (rw,bind)

/root/venv/lib/python2.7/site-packages/wrapt on /usr/lib/python2.7/dist-packages/wrapt type none (rw,bind)

/root/venv/lib/python2.7/site-packages/oslo\_utils on /usr/lib/python2.7/dist-packages/oslo\_utils type none (rw,bind)

/root/venv/lib/python2.7/site-packages/funcsigs on /usr/lib/python2.7/dist-packages/funcsigs type none (rw,bind)

/root/venv/lib/python2.7/site-packages/oslo\_i18n on /usr/lib/python2.7/dist-packages/oslo\_i18n type none (rw,bind)

/root/venv/lib/python2.7/site-packages/keystoneauth1 on /usr/lib/python2.7/dist-packages/keystoneauth1 type none (rw,bind)

/root/venv/lib/python2.7/site-packages/positional on /usr/lib/python2.7/dist-packages/positional type none (rw,bind)

**7、nova hypervisor-list**

运行nova hypervisor-list 根据id运行nova hypervisor-show id，显示type为qemu，目标改为ironic，

第一步：在/etc/nova/nova-compute.conf中更改compute-driver的对应值，删除nova service-list中的nova-compute（计算节点），重启nova-compute服务，正常情况下，在此运行nova hypervisor-list，无数据

**8、nova log错误**

AttributeError: 'IronicDriver' object has no attribute 'current\_resource\_get\_all'

更改代码记录：

1、vi /usr/lib/python2.7/dist-packages/nova/compute/manager.py

pass 函数 \_node\_resource\_create\_or\_update

2、AttributeError: 'module' object has no attribute 'ConnectionRefused'

更改代码：vi /usr/lib/python2.7/dist-packages/ironicclient/exc.py

添加：class ConnectionRefused (HTTPException):

pass

3、更改记录：vi /usr/lib/python2.7/dist-packages/ironicclient/v1/node.py

**9、调试ironic错误**

错误：This prevents urllib3 from configuring SSL appropriately and
may cause certain SSL connections to fail

解决办法：pip install pyOpenSSL ndg-httpsclient pyasn1

警告：This prevents urllib3 from configuring SSL appropriately and
may cause certain SSL connections to fail

更改记录：vi **venv/lib/p**ython2.7/site-packages/ironic/common/rpc.py

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**存疑：**

**1、172.16.19.19上创建ironic服务**：

openstack service create --name ironic --description "Ironic baremetal provisioning service" ironic

显示结果（openstack service list）：

0b02d74107b4402caf63475810226a63 | ironic | **ironic（type）**

10.5.4.202上显示结果：

60e809aabf8d4c5999fa1cca57f7f08b | ironic | **baremetal（type）**

**2、172.16.19.19上创建endpoint：（同上type不同）**

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