

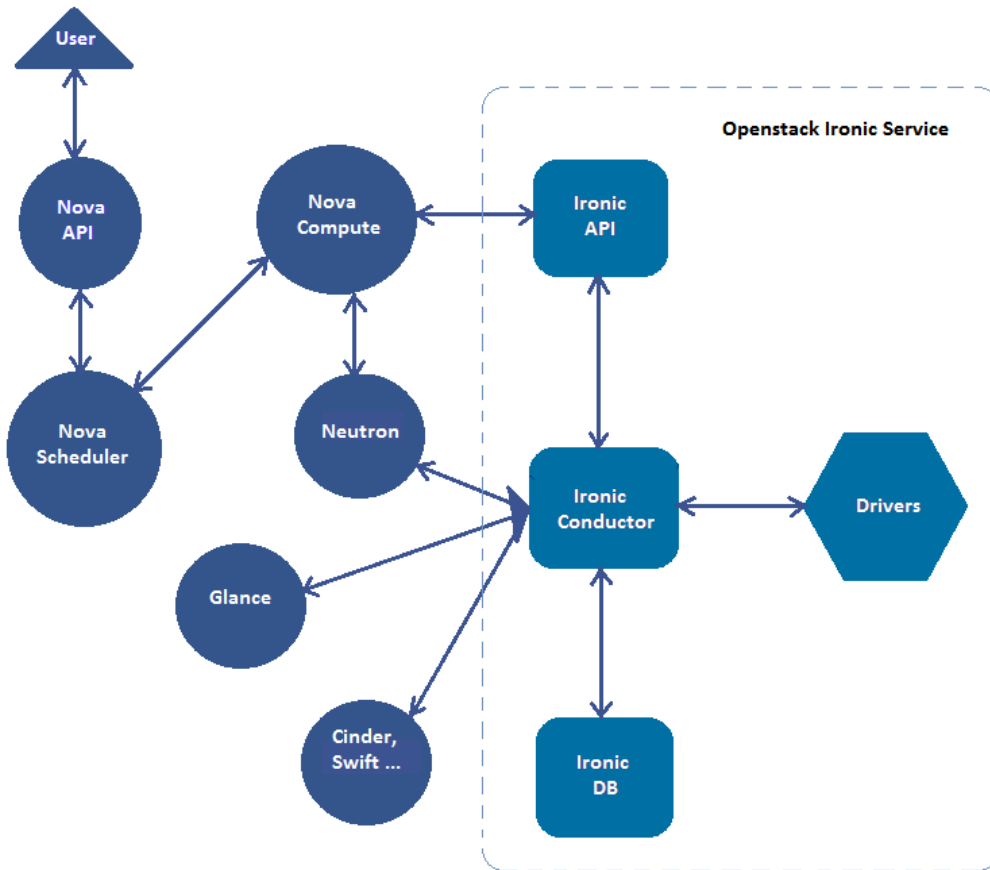
Ironic	3
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iSCSI	UML	6
	UML	8
	12

ironic_

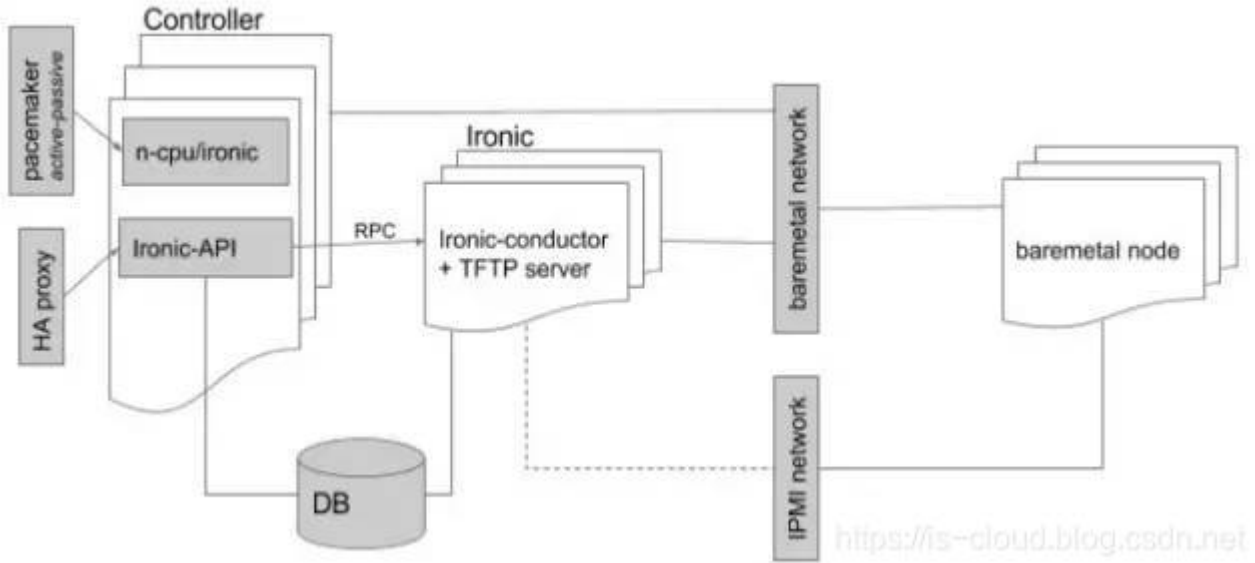
Last update: 2024/10/11 06:31 https://atl.kr/dokuwiki/doku.php/ironic_%EB%B2%A0%EC%96%B4%EB%A9%94%ED%83%88_%EC%9D%B8%EC%8A%A4%ED%84%EC%8A%A4%EC%9D%98_%EB%B0%ED%8F%AC_%ED%94%84%EB%A1%9C%EC%84%B8%EC%8A%A4?rev=1728628311

Ironic

Figure 1.2. Logical Architecture

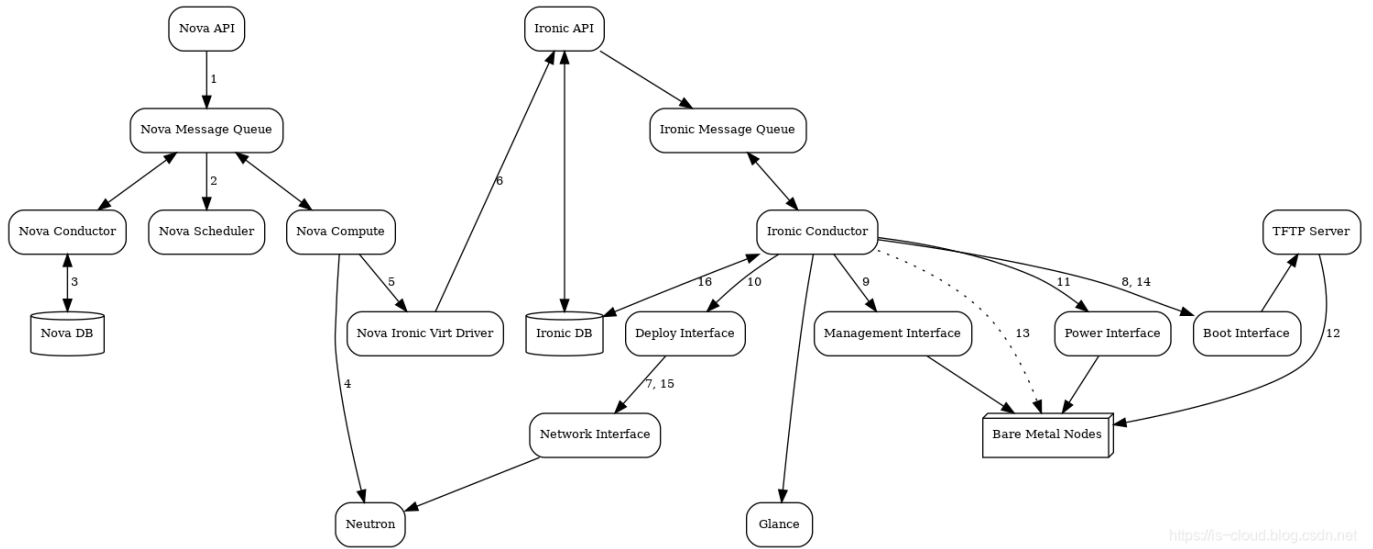


<https://is-cloud.blog.csdn.net>



: <https://docs.openstack.org/ironic/latest/user/index.html>

- **ironic-conductor**가 **tftp-server, ipmi, syslinux** .
- Nova **Flavors** 가 , Nova **Flavor**
- **Glance** .
- **bm-deploy-kernel**
- **bm-deploy-ramdisk**
- **user-image**
- **user-image-vmlinuz**
- **user-image-initrd**
- **Ironi RESTful API** .



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1. Nova API Nova , Flavor extra_specs(:
cpu_arch)
2. Nova Message Queue
3. Nova Conductor
4. Nova Compute Nova 가 (VIF) , MAC (NIC) , MAC VIF가
5. Nova virt driver.spawn spawn .spawn virt Nova
 - o , UUID, Flavor Ironic
 - o Ironic API
 - o VIF Neutron 가 Ironic Ironic Ironic 가 VIF Ironic Ironic , VIF MAC
 - o config
6. Nova Ironic virt Ironic API Ironic Conductor
7. 가 가 , Neutron API DHCP PXE/TFTP . Neutron Ironic Nova , flat
8. Ironic (i)PXE
9. Ironic
10. Ironic (iscsi), (: netboot)
11. Ironic
- 12.
13. , conductor가 iSCSI (iSCSI), 가 URL (URL Swift API (: Swift RadosGW) 가
14. PXE (

),
가 , IPMI/BMC

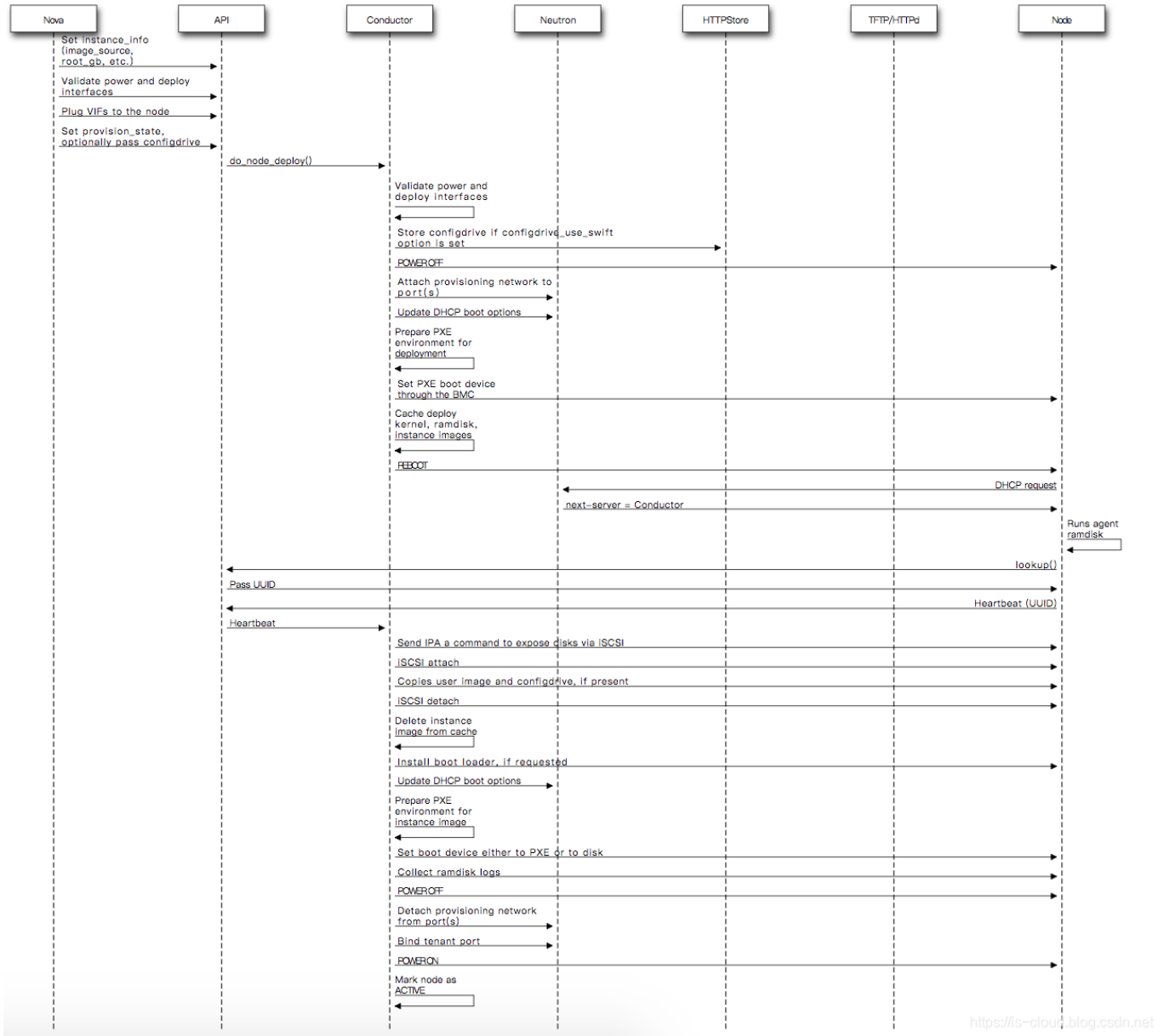
15. (

16.).
가 active

iSCSI UML

iSCSI ,
ironic-conductor가 iSCSI

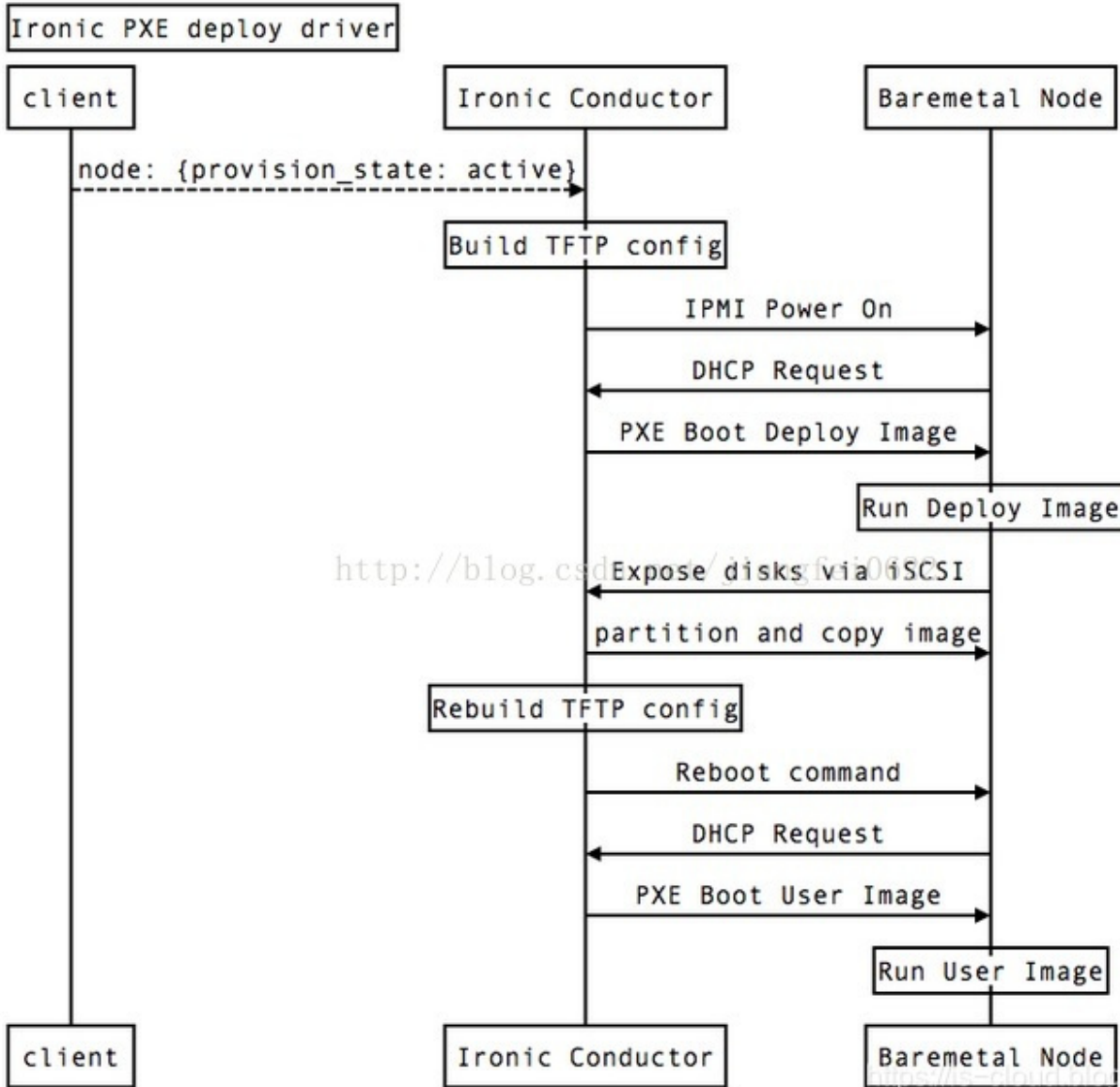
```
openstack baremetal node create --driver ipmi --deploy-interface iscsi  
openstack baremetal node set <NODE> --deploy-interface iscsi
```



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1. Nova API
2. Nova (: ,) Ironic Flavor extra_spec (: cpu_arch, baremetal:deploy_kernel_id, baremetal:deploy_ramdisk_id).
3. Nova Compute , Build spawn Ironic API , Ironic
4. Ironic OpenStack Glance (Deploy Images User Images) 가 , Neutron , Cinder 가
5. Ironic , PXE TFTP IPMI PXE
6. DHCP Ironic Conductor , TFTP Conductor Deploy Images 가 . Conductor가 RAMDisk , IPA iSCSI , Conductor User Images
7. 가 , IPMI

PXE

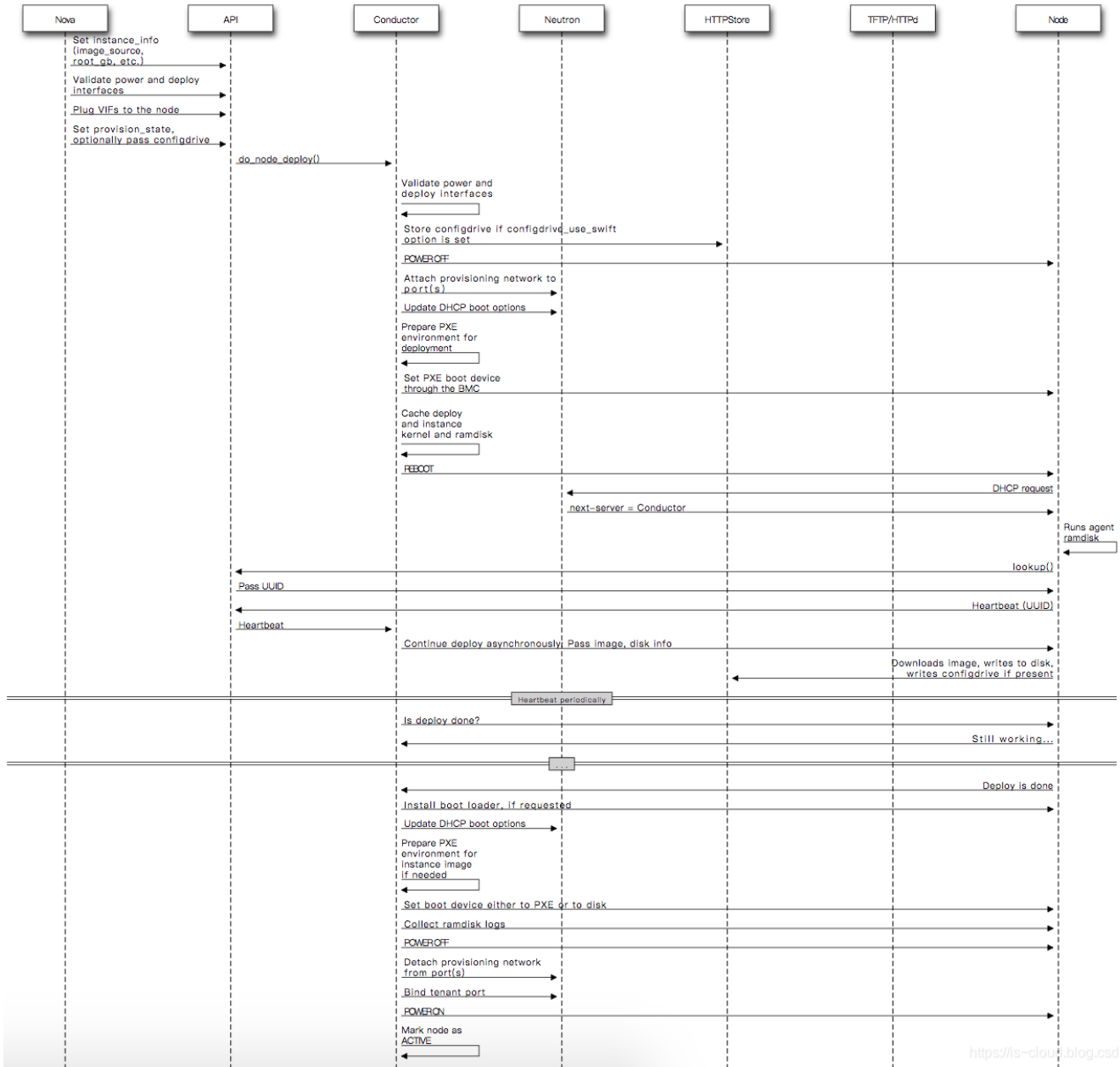


UML

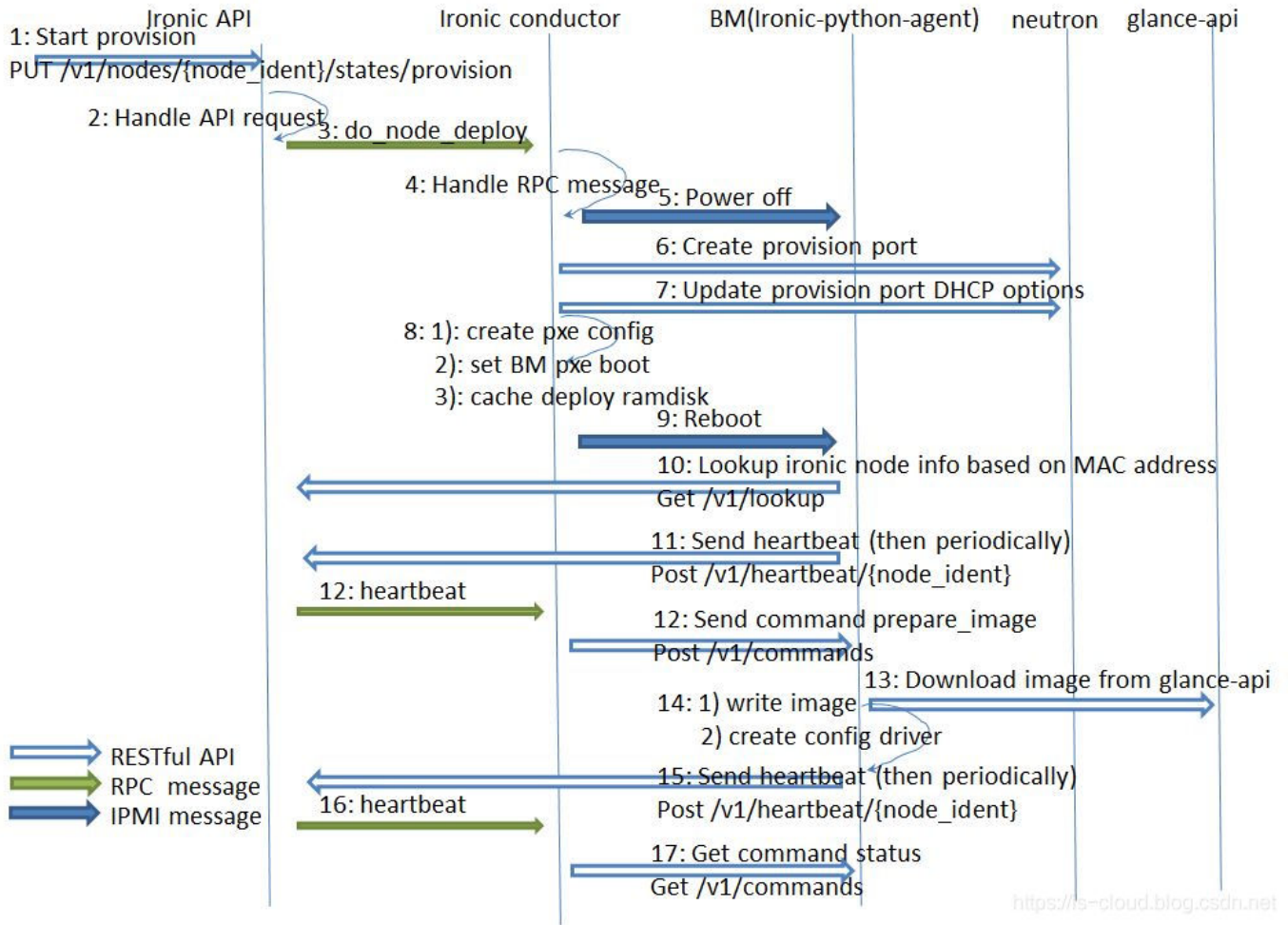
Direct (Swift RadosGW) URL HTTP 가 HTTP HTTP URL

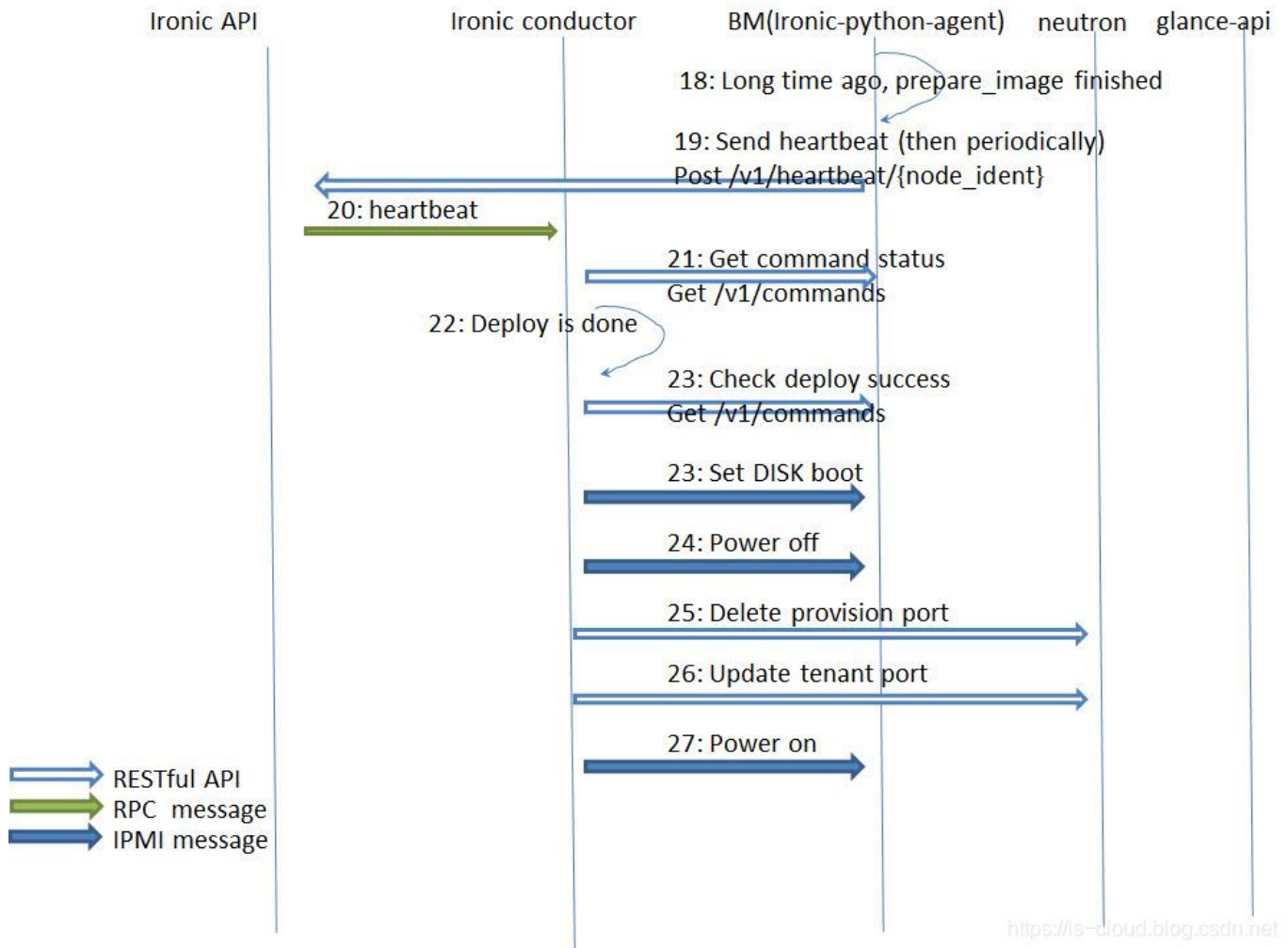
```

openstack baremetal node create --driver ipmi --deploy-interface direct
openstack baremetal node set <NODE> --deploy-interface direct
  
```

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1. Provision

2.

3. IPA lookup Ironic Conductor

ironic_node_uuid 가

4. IPA Heartbeat Ironic Conductor가 prepare_image IPA , IPA (Direct), Ironic

300GB

10

5. ironic-conductor Heartbeat

(ironic-api RPC Heartbeat

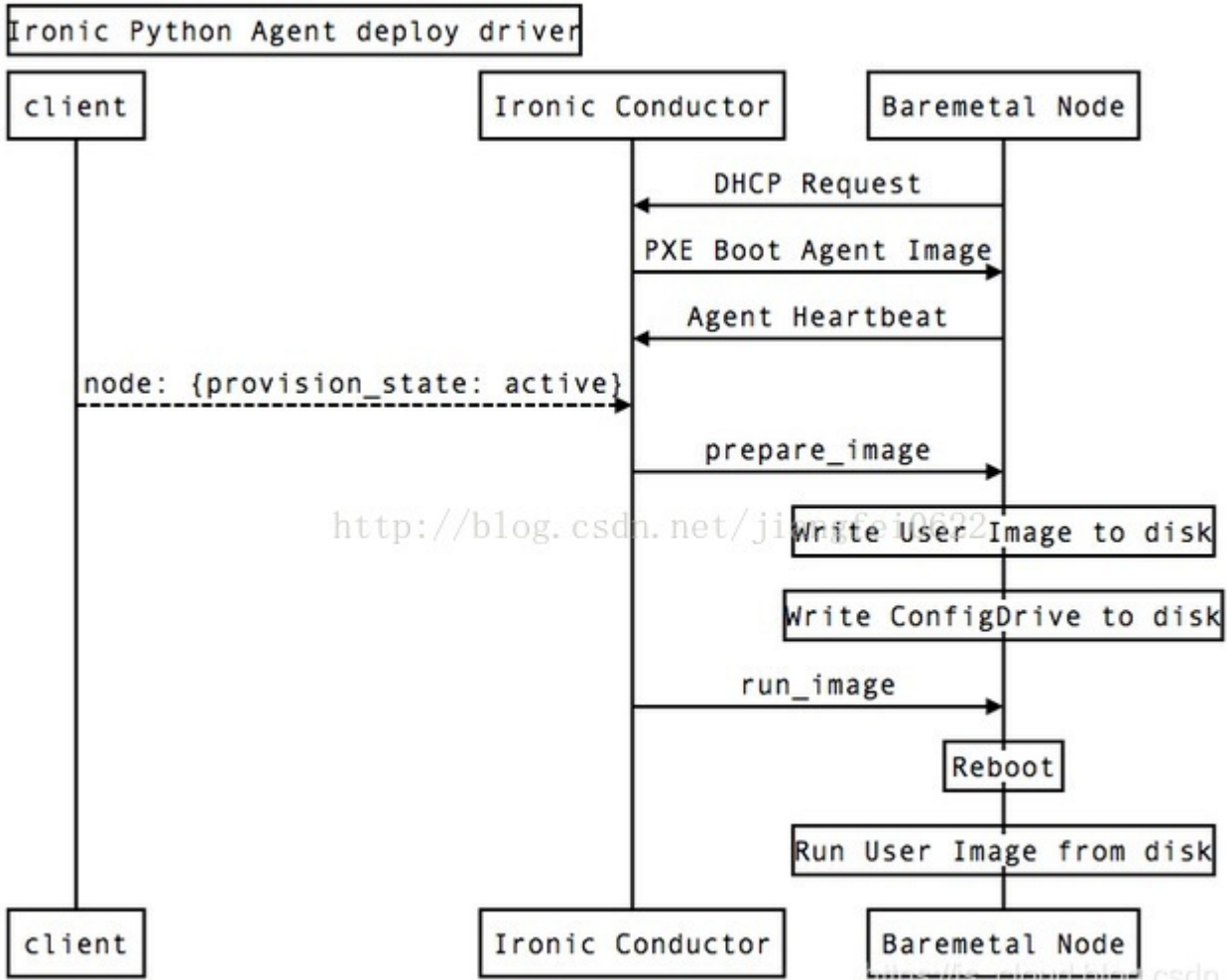
), ironic-conductor가 IPA prepare_image

, Heartbeat prepare_image

ironic-conductor가 IPA

가

IPA



- <https://www.cnblogs.com/jmilkfan-fanguiju/p/11825062.html>

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