

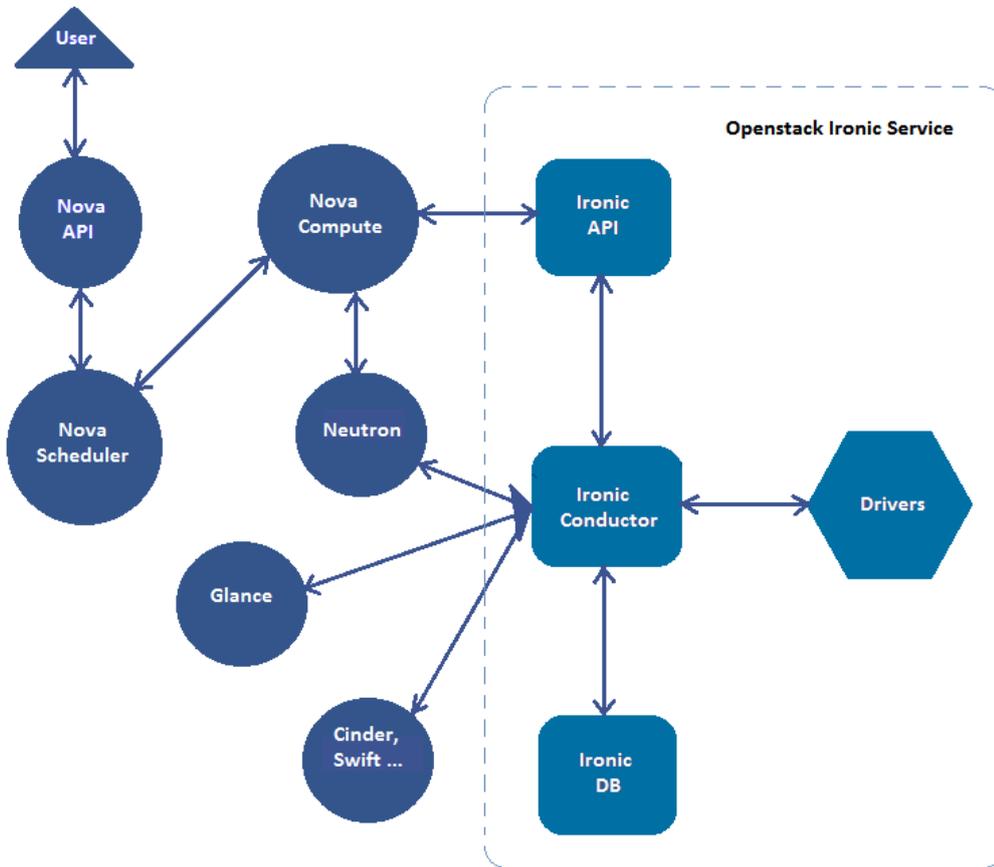
Ironic	.....	3
	.....	3
	.....	3
	.....	4
	.....	4
iSCSI	UML	6
	UML	8
	.....	12

ironic_

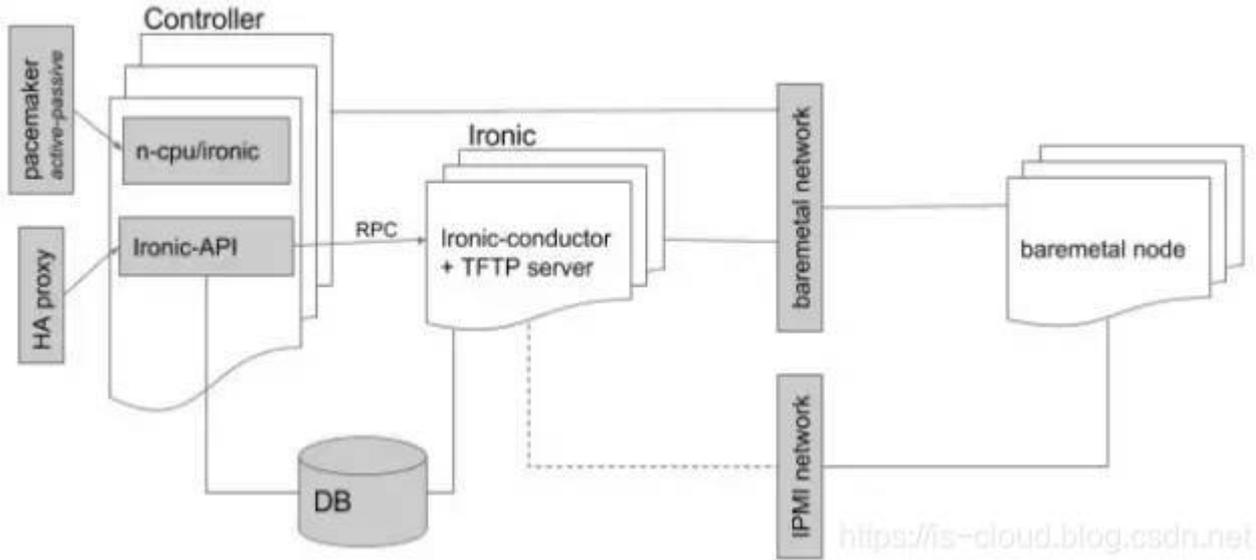
Last update: 2024/10/11 06:30 https://atl.kr/dokuwiki/doku.php/ironic_%EB%B2%A0%EC%96%B4%EB%A9%94%ED%83%88_%EC%9D%B8%EC%8A%A4%ED%84%EC%8A%A4%EC%9D%98_%EB%B0%ED%8F%AC_%ED%94%84%EB%A1%9C%EC%84%B8%EC%8A%A4?rev=1728628218

Ironic

Figure 1.2. Logical Architecture

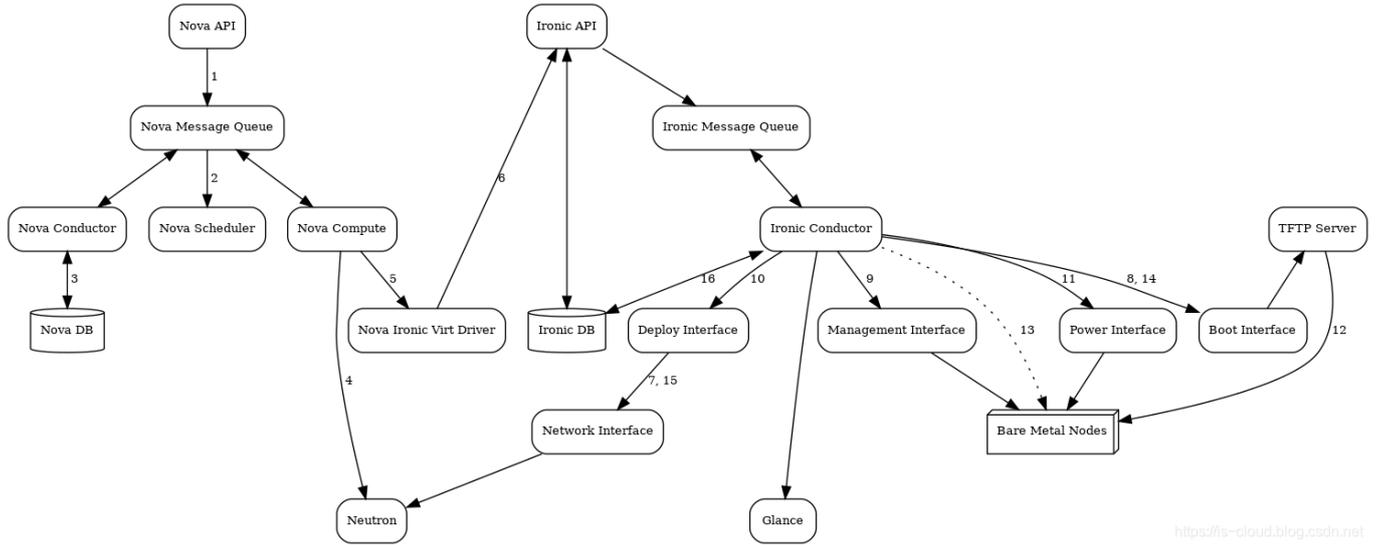


<https://is-cloud.blog.csdn.net>



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

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



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

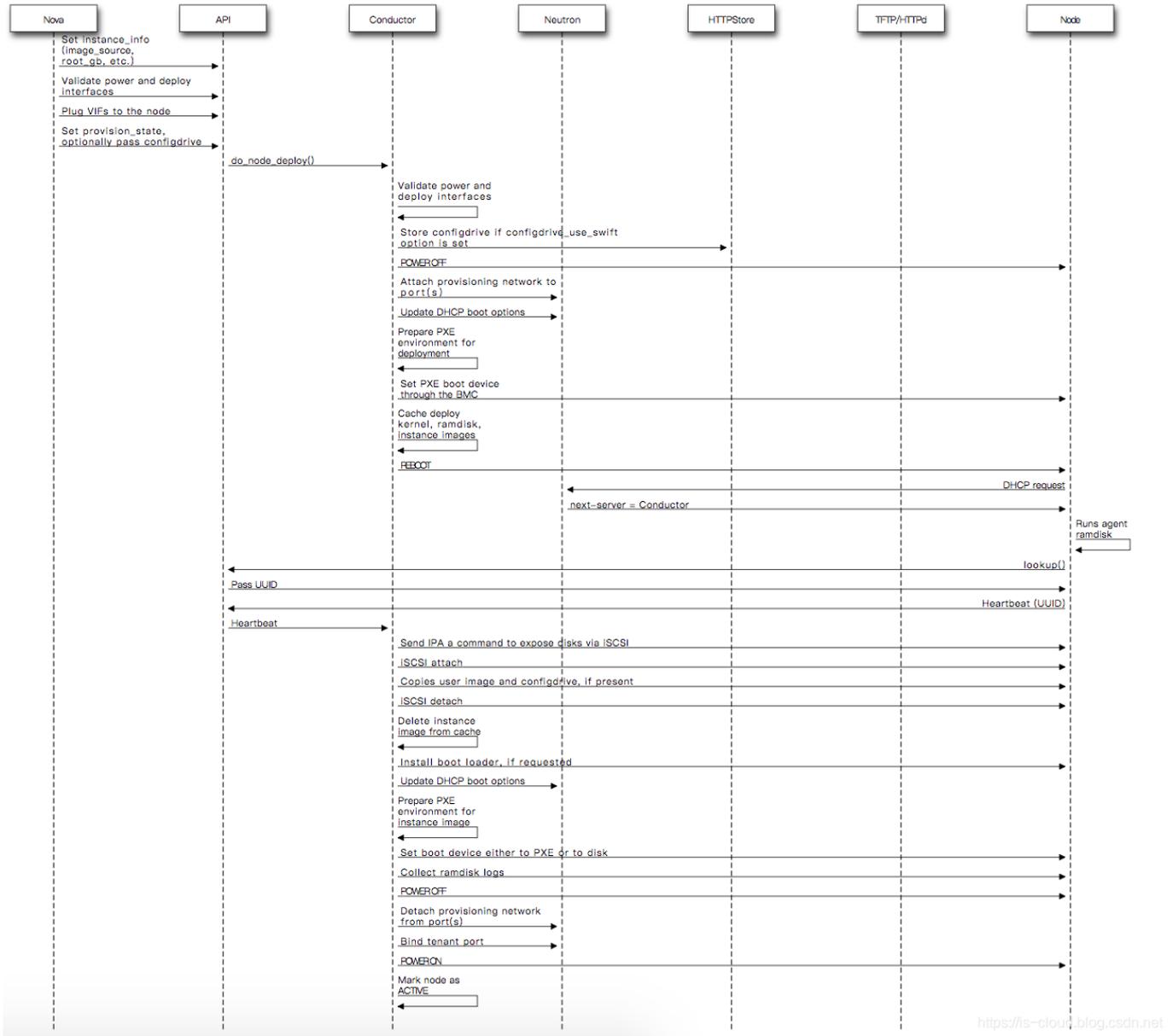
1. Nova API Nova , Flavor `extra_specs` (: `cpu_arch`)
2. Nova Message Queue
3. Nova Conductor
4. Nova Compute 가 Nova (VIF) , MAC (NIC) , MAC VIF가
5. Nova virt driver.spawn spawn .spawn virt Nova
 - o , UUID, Flavor Ironic
 - o Ironic API
 - o VIF Neutron 가 Ironic Ironic 가 VIF Ironic , VIF MAC
 - o config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

-), 가 , IPMI/BMC .
- 15. (
- 16.). 가 active .

iSCSI UML

iSCSI , ironic-conductor가 iSCSI .

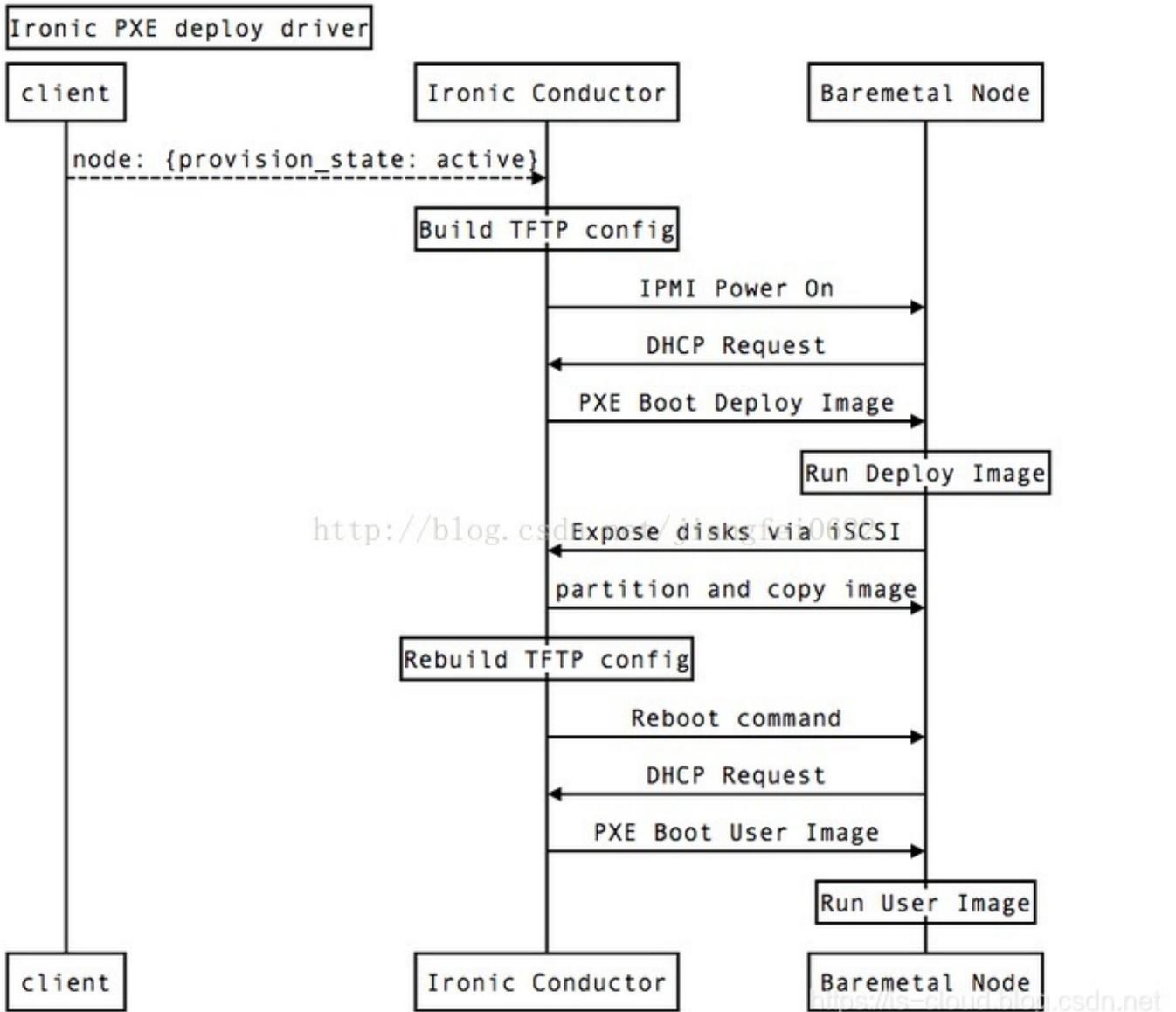
```
openstack baremetal node create --driver ipmi --deploy-interface iscsi  
openstack baremetal node set <NODE> --deploy-interface iscsi
```



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

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. Deploy Images 가 DHCP Ironic Conductor , TFTP Conductor가 RAMDisk , IPA iSCSI , Conductor User Images
7. 가 , IPMI

PXE

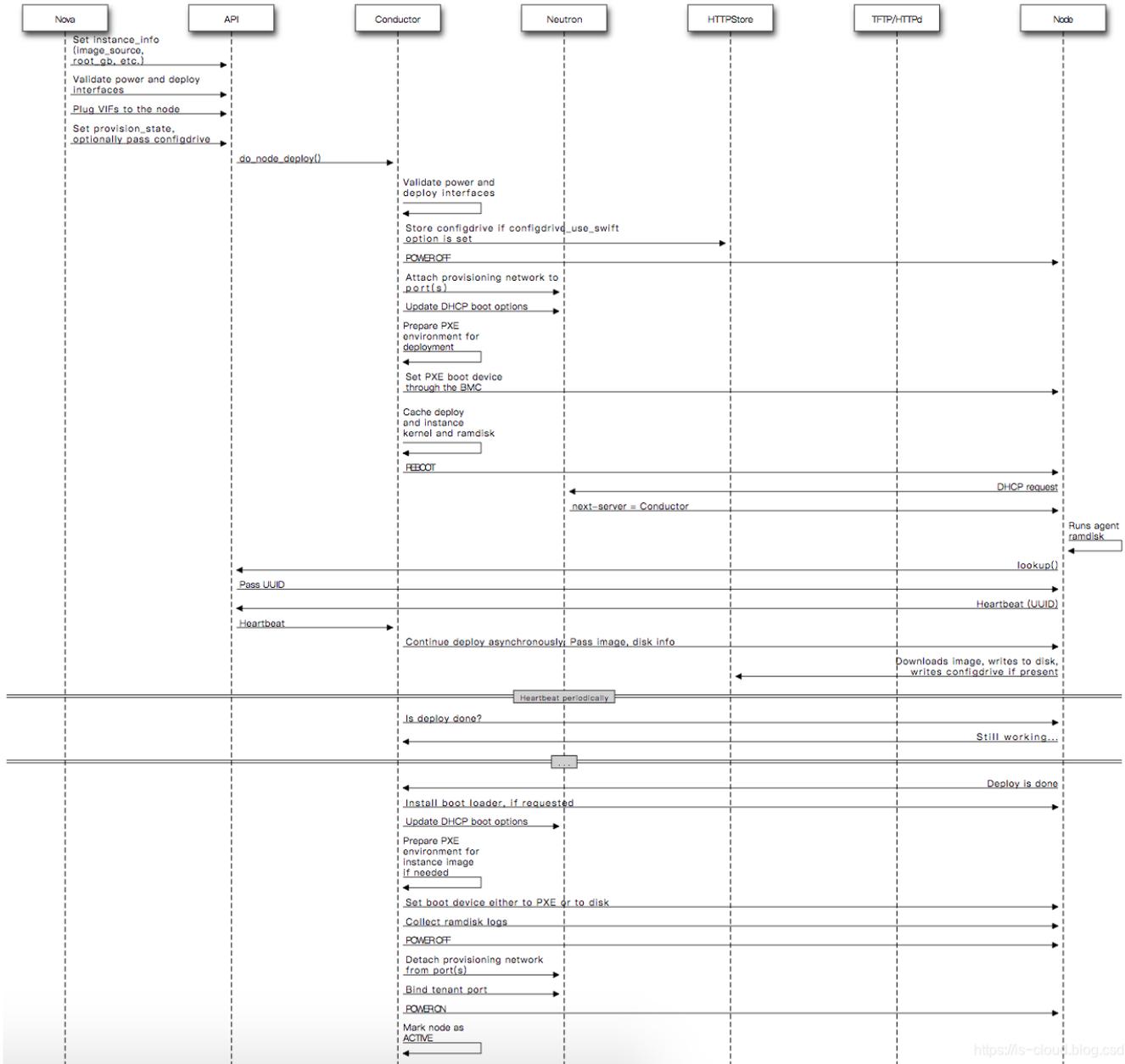


UML

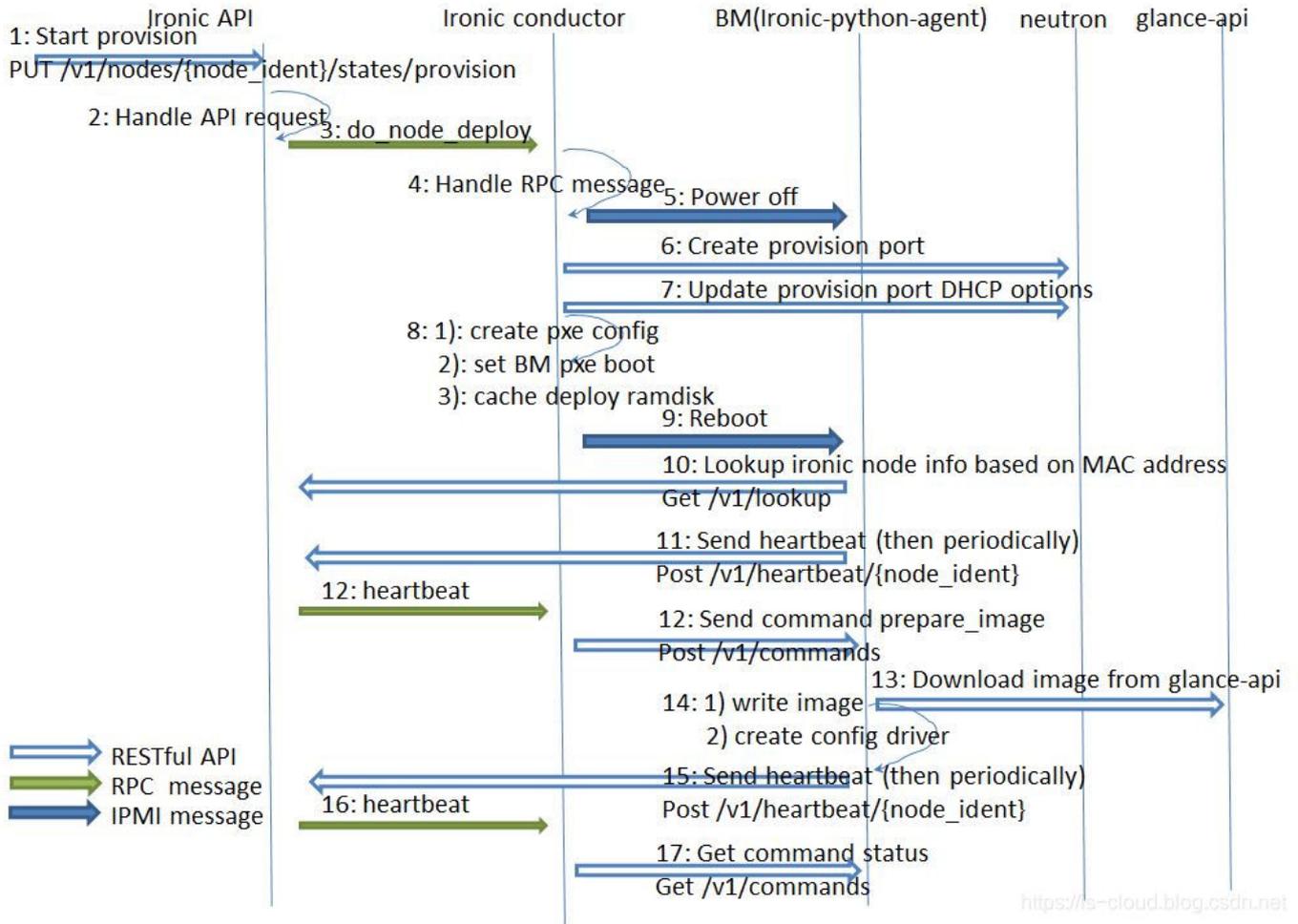
Direct (Swift, RadosGW) URL HTTP 가 HTTP HTTP URL

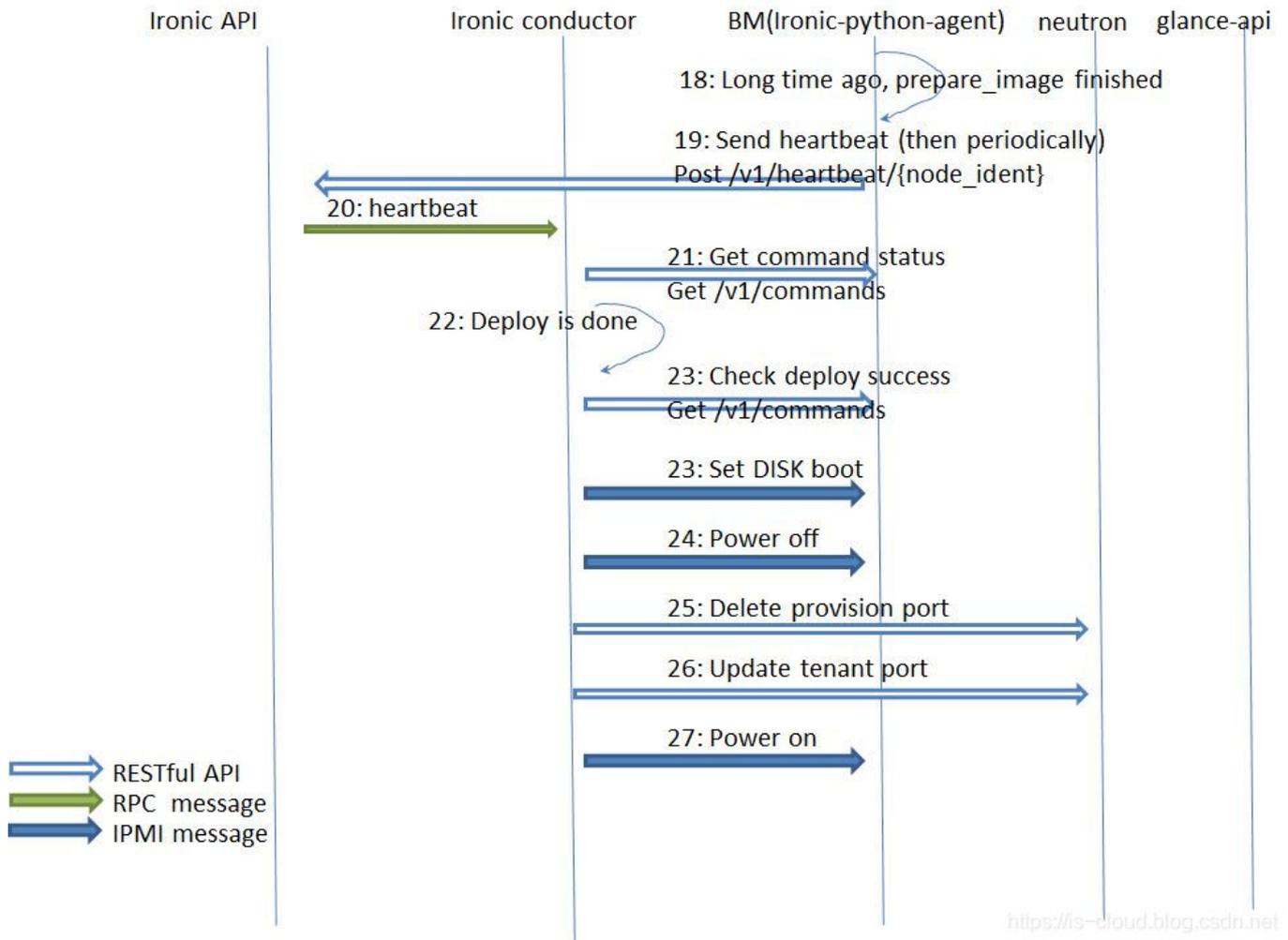
```

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



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





1. Provision

2.

3. IPA lookup Ironic Conductor

ironic_node_uuid 가

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

300GB

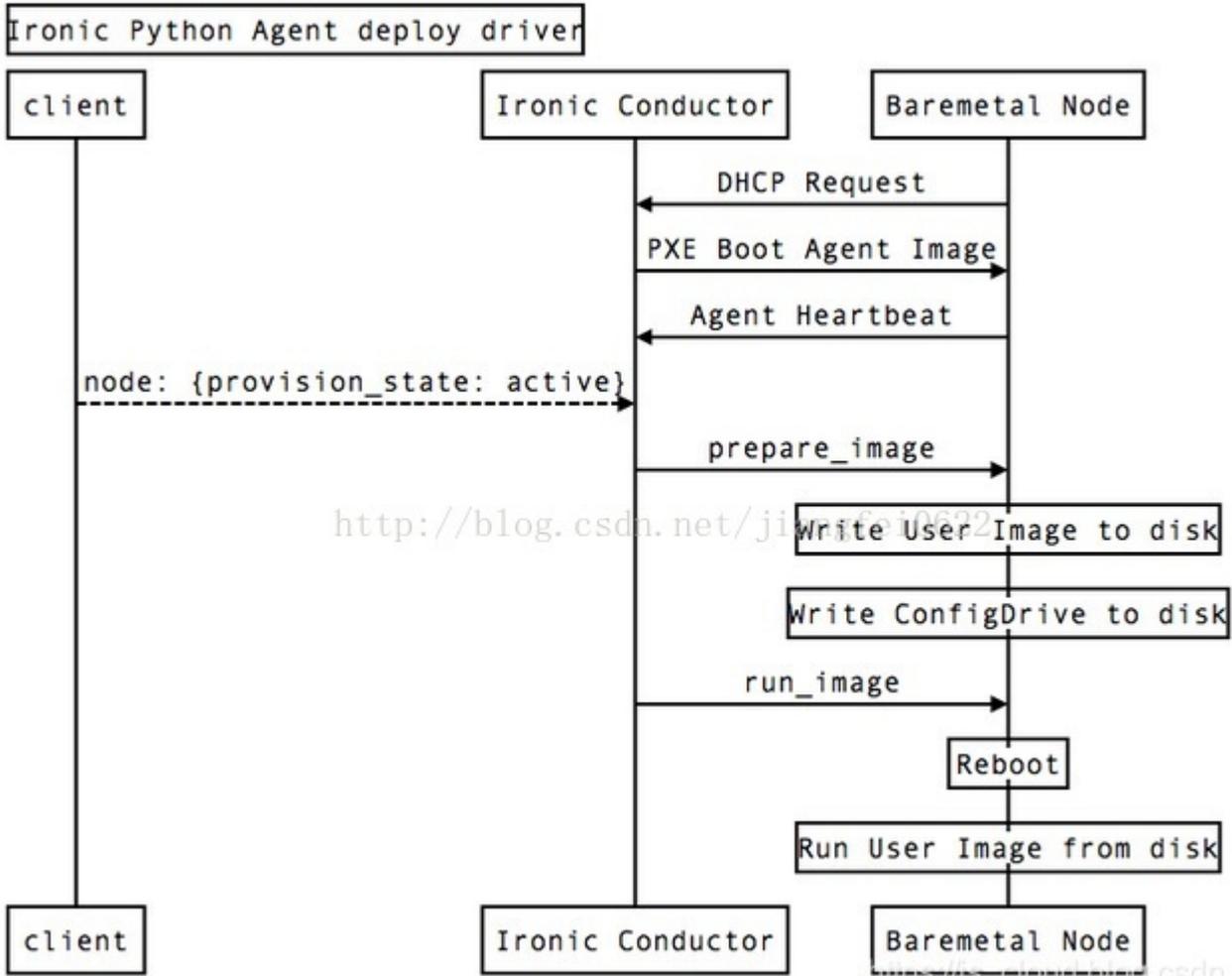
10

5. ironic-conductor Heartbeat (ironic-api RPC) , Heartbeat

ironic-conductor가 IPA prepare_image , Heartbeat
ironic-conductor가 IPA prepare_image

가

IPA



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

From: <https://atl.kr/dokuwiki/> - AllThatLinux!
Permanent link: 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%B0%ED%8F%AC_%ED%94%84%EB%A1%9C%EC%84%B8%EC%8A%A4%7rev=1728628218
Last update: 2024/10/11 06:30

