One BMO controls multiple Ironic

1. Introduction

1.1. Background

As it stands, One BMO can only control one ironic in a k8s cluster. Just as descriped the flowing picture.

But we have the following scenario, which requires one BMO to connect to multiple Ironic.
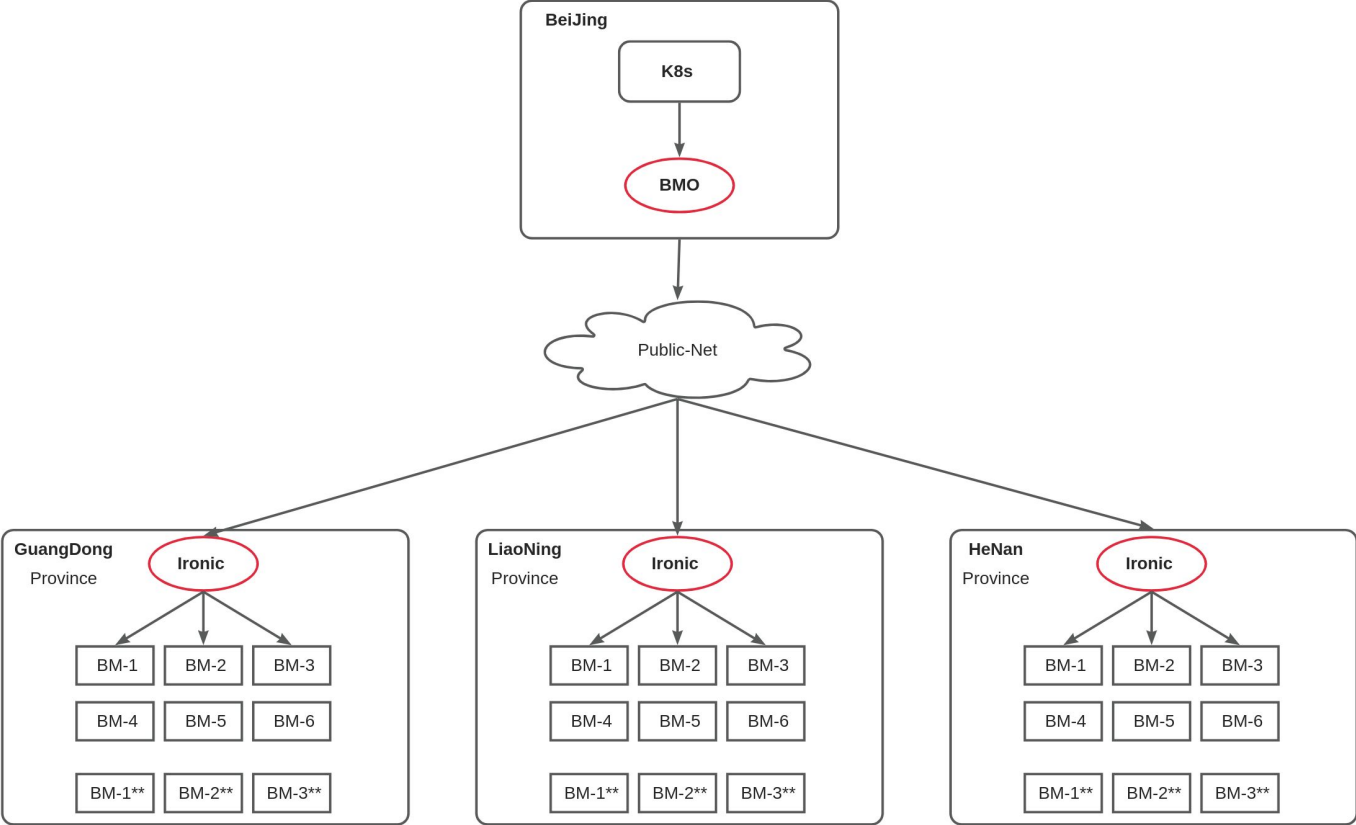
1.2. Scenario 1

We have many BM DCs scattered across the country(such as HeNan Province,LiaoNing Province,GuangDond Province), and we want to create a BMO on the central cloud to manage the ironic of each data center, to achieve the creation of bare metal k8s clusters.

1.3. Scenario 2

Currently, our X86 physical servers are distributed in different network areas, and the IP segments and VLAN access of servers in different network areas are different.Therefore, we adopted the solution shown in the figure below. We deplpy one iroinc use vlan–200 and another use the vlan–2001.
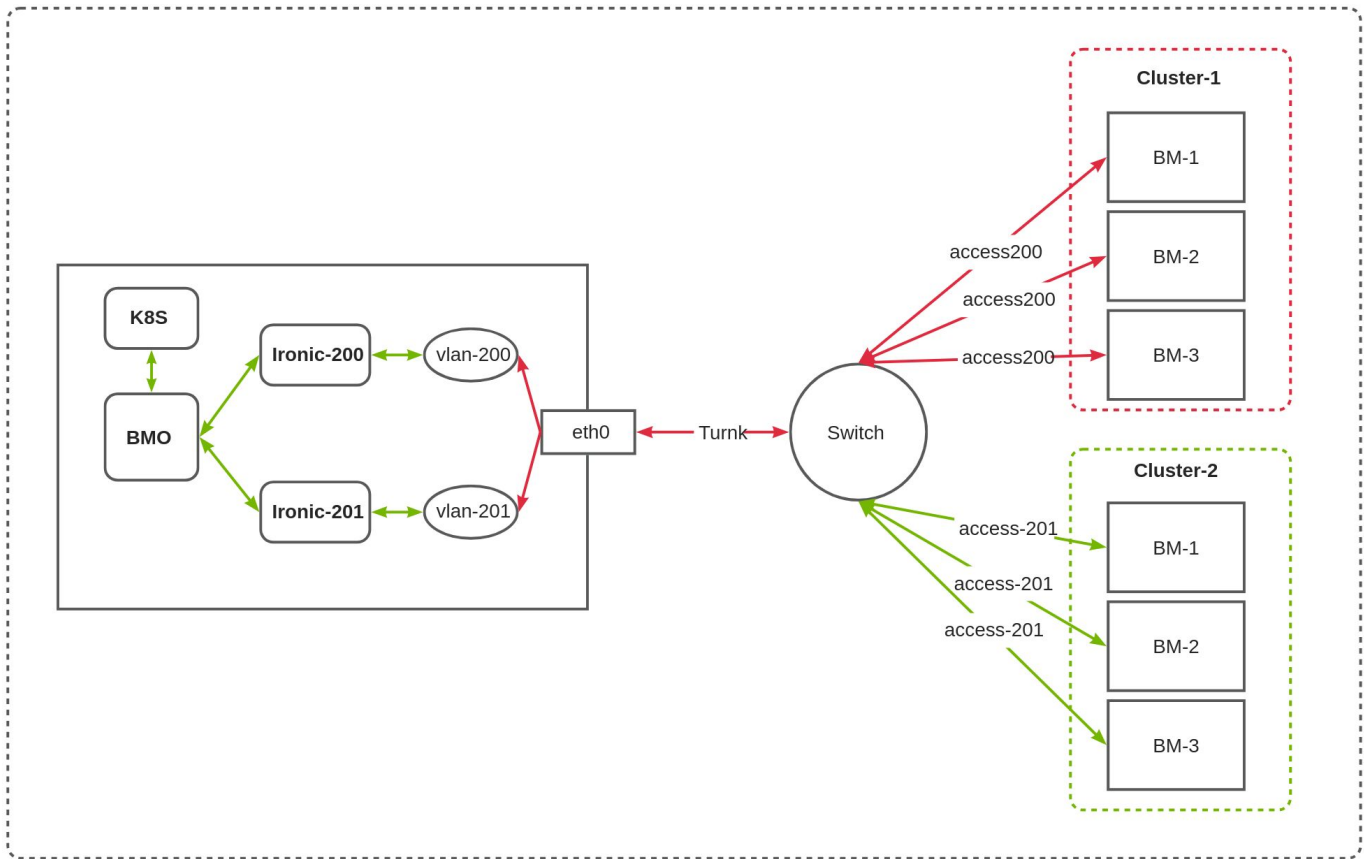
2. Design

```yaml
BareMetalHost                                                          YAML

1   apiVersion: metal3.io/v1alpha1
2   kind: BareMetalHost
3   metadata:
4     name: baremetalhost-1
5   spec:
6     automatedCleaningMode: metadata
7     online: true
8     bootMACAddress: a0:37:ef:73:63:66
9     bootMode: legacy
10    bmc:
11      address: ipmi://
12      credentialsName: baremetalhost-1-secret
13      disableCertificateVerification: true
14    ironicTarget: http://**.**.**.**
15
```

Please check the **ironicTarget.** We can use **ironicTarget** field to choose which ironic to register with.