【MeshCloud】GCP与AWS路由打通

目的

- 打通AWS与GCP互联

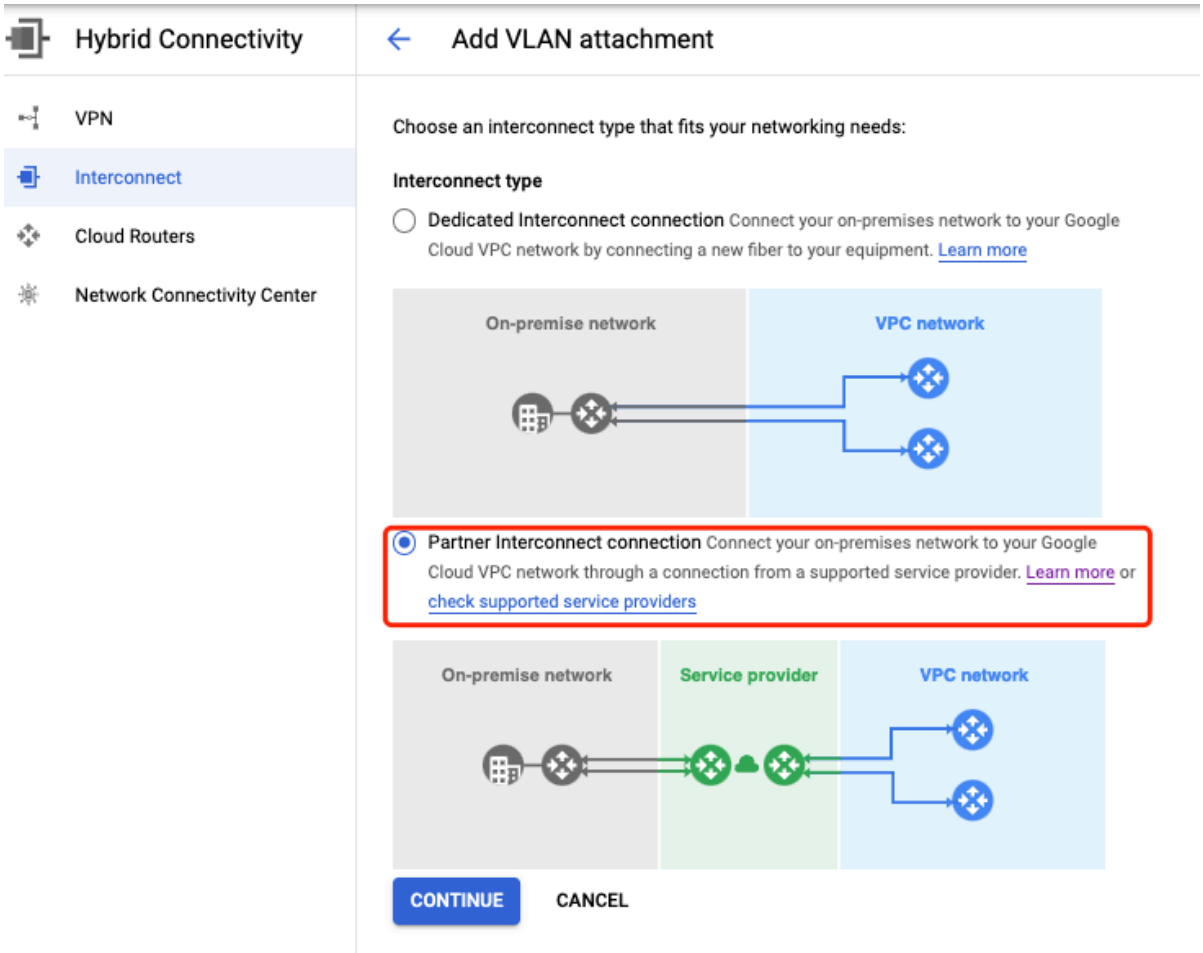
注意

- 需格外注意aws与gcp侧vpc网段规划，不要冲突
- GCP侧同时需注意vpc其余region网段与aws vpc网段冲突问题

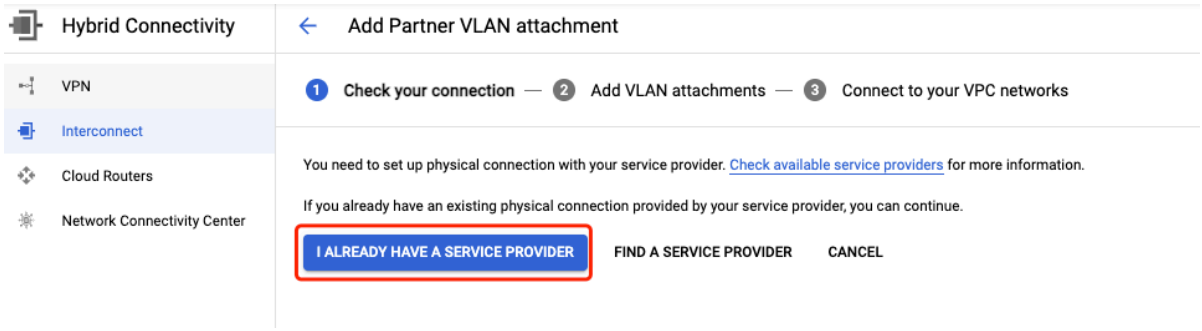
GCP

1. 创建Interconnect
    - Console位置
        - Hybrid Connectivity----->Interconnect
    - 说明

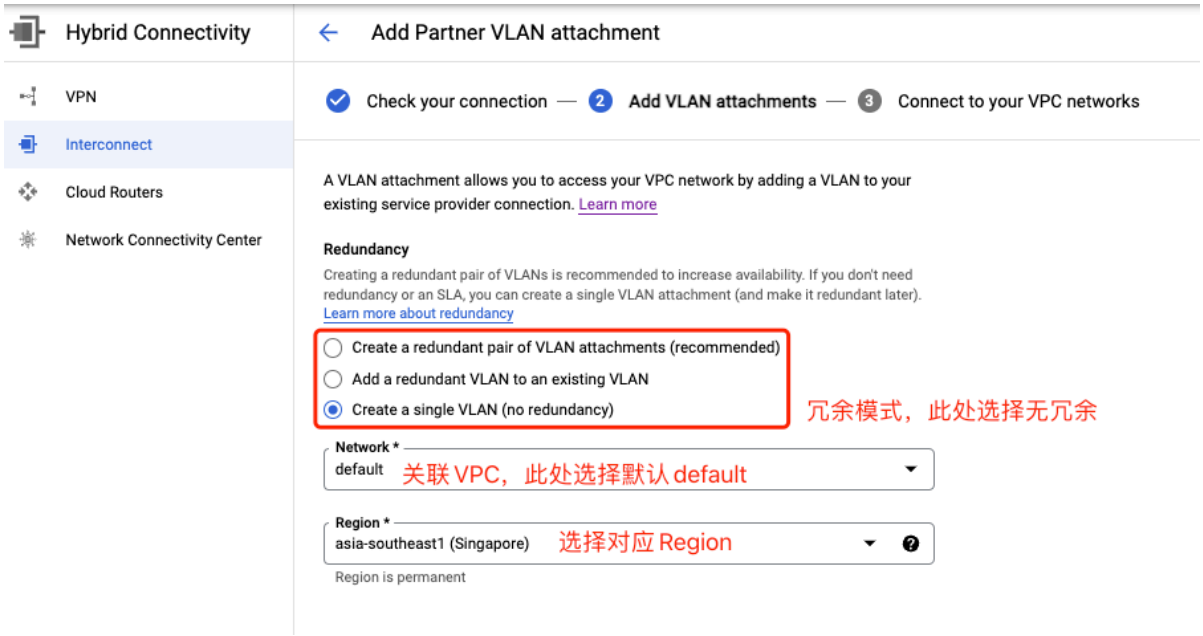
      该项为创建互联专线，分为物理直连和Partner互联模式两种，此次选择Partner互联模式
    - 步骤
        1. 选择创建Partner Interconnect connection



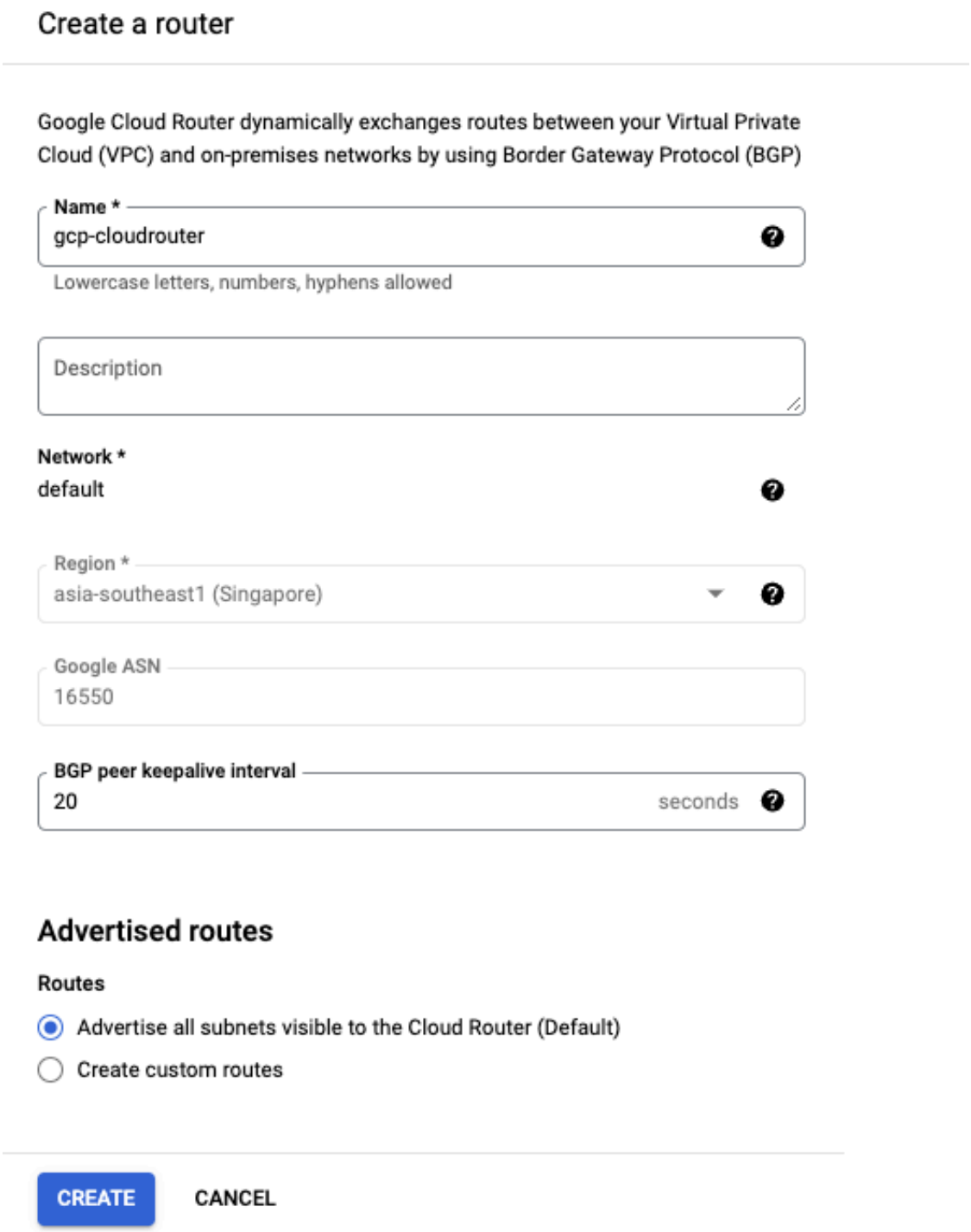
        2. 选择自己提供服务商



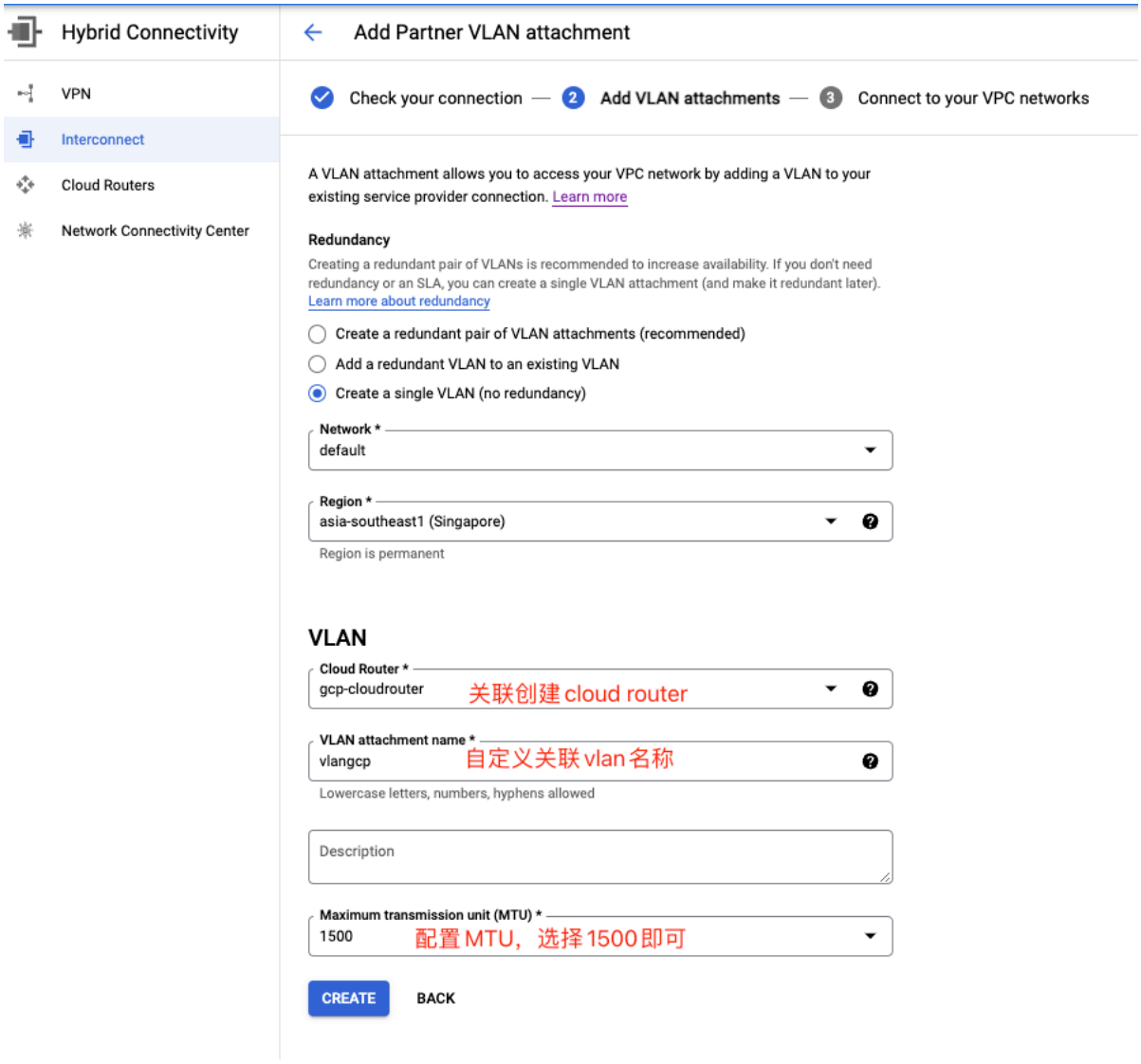
3. 配置专线相关信息



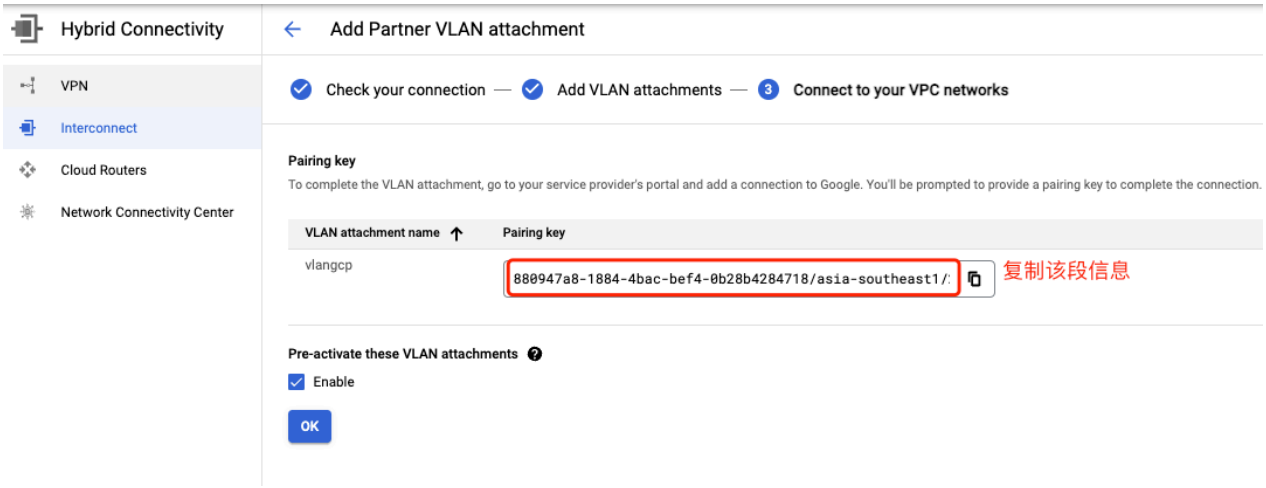
4. 创建虚拟路由器



5. 配置vlan attachment name和MTU，并创建专线



6. 获取专线paring key并预激活vlan配置

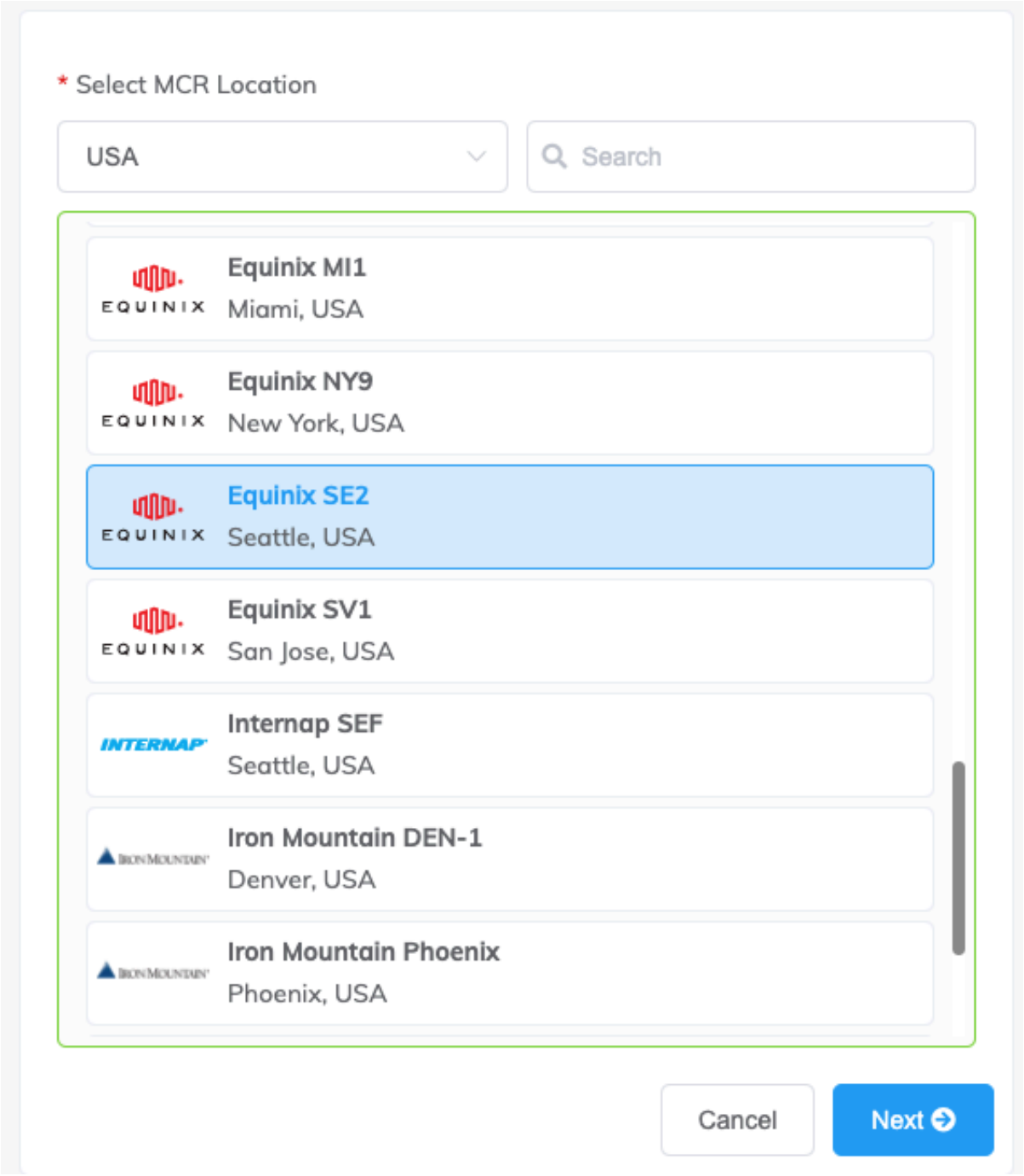


MegaPort

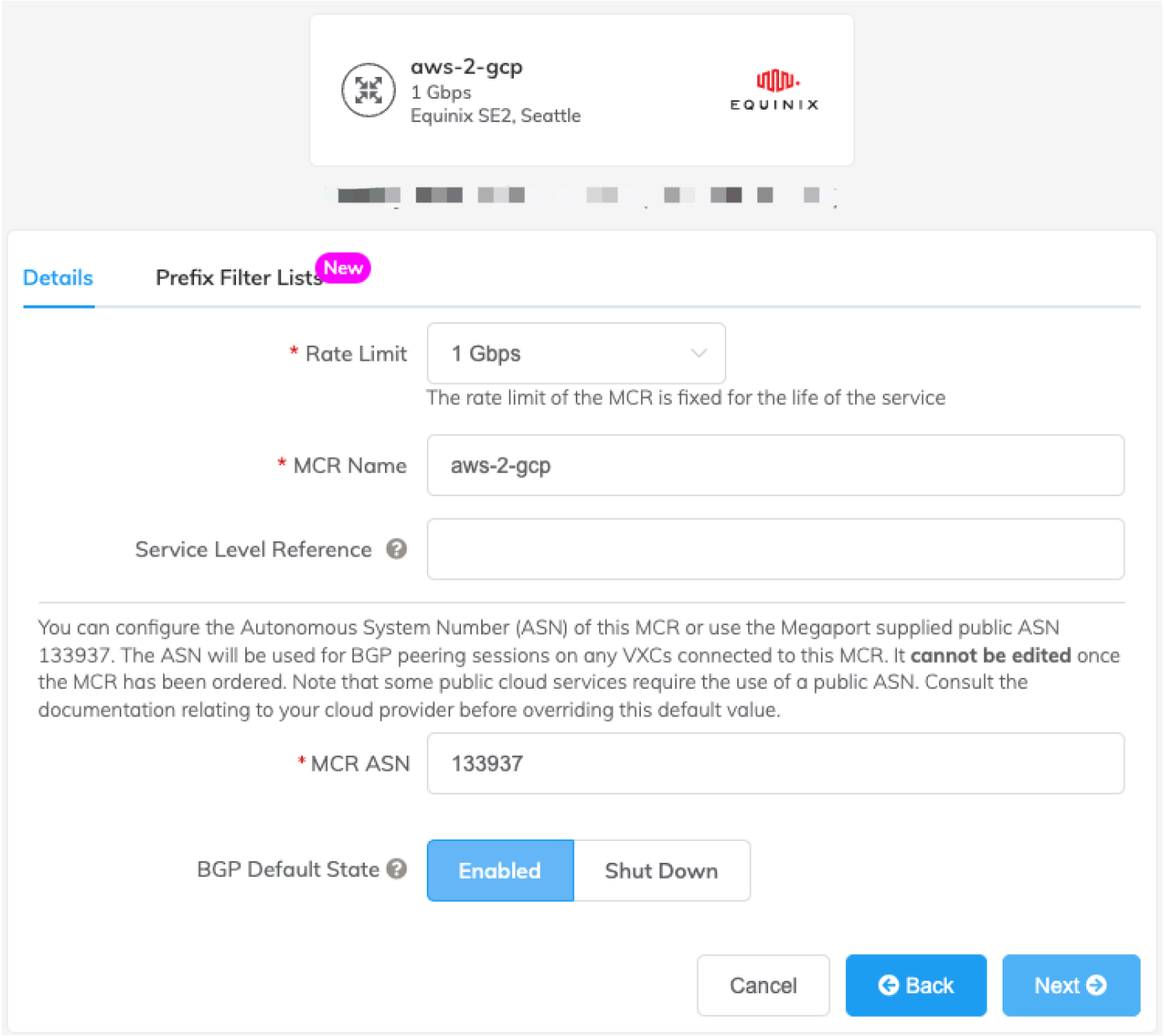
下方仅为范例介绍，具体位置按需进行选择

创建MCR

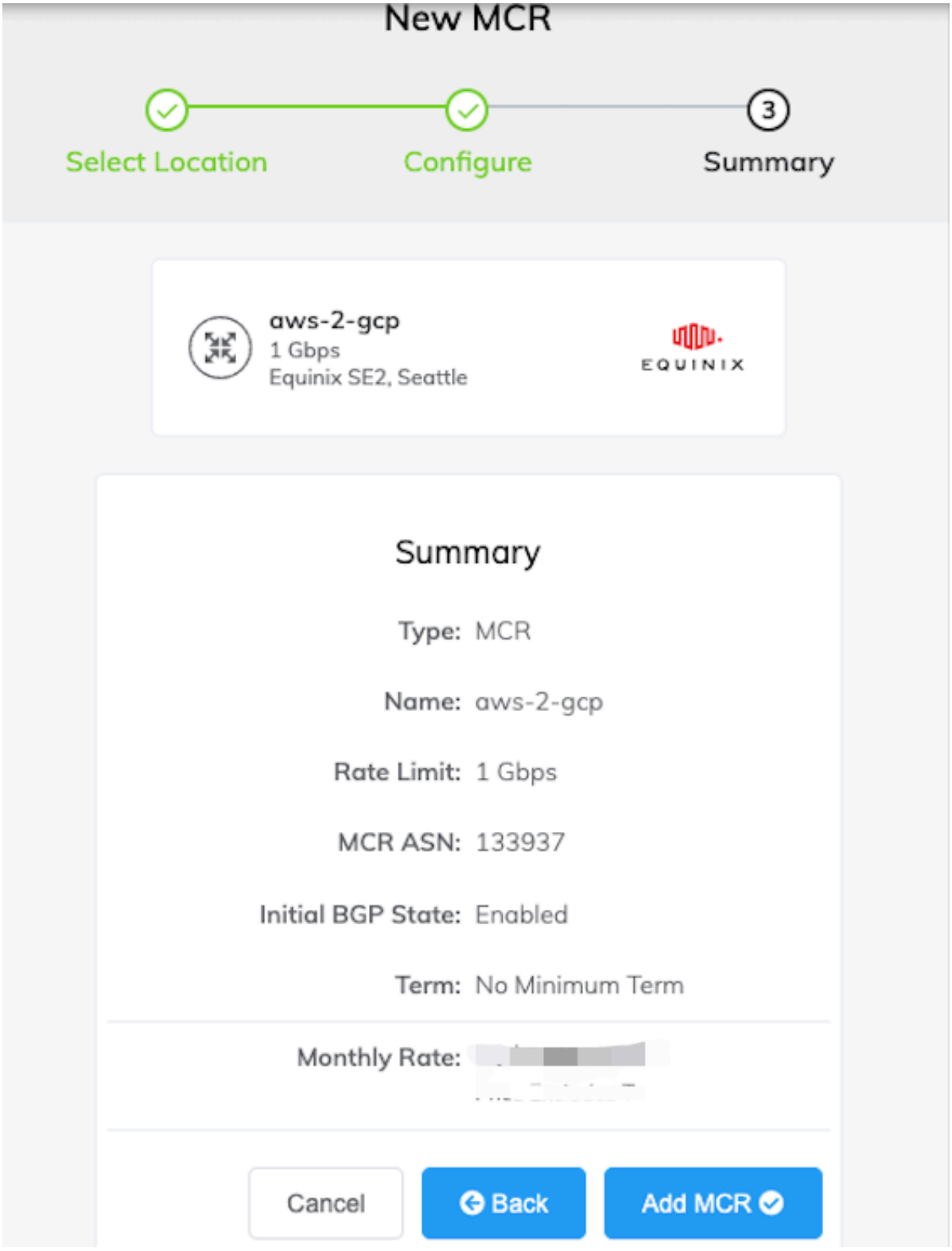
1，选择MCR位置



2，选择带宽及配置asn和名称

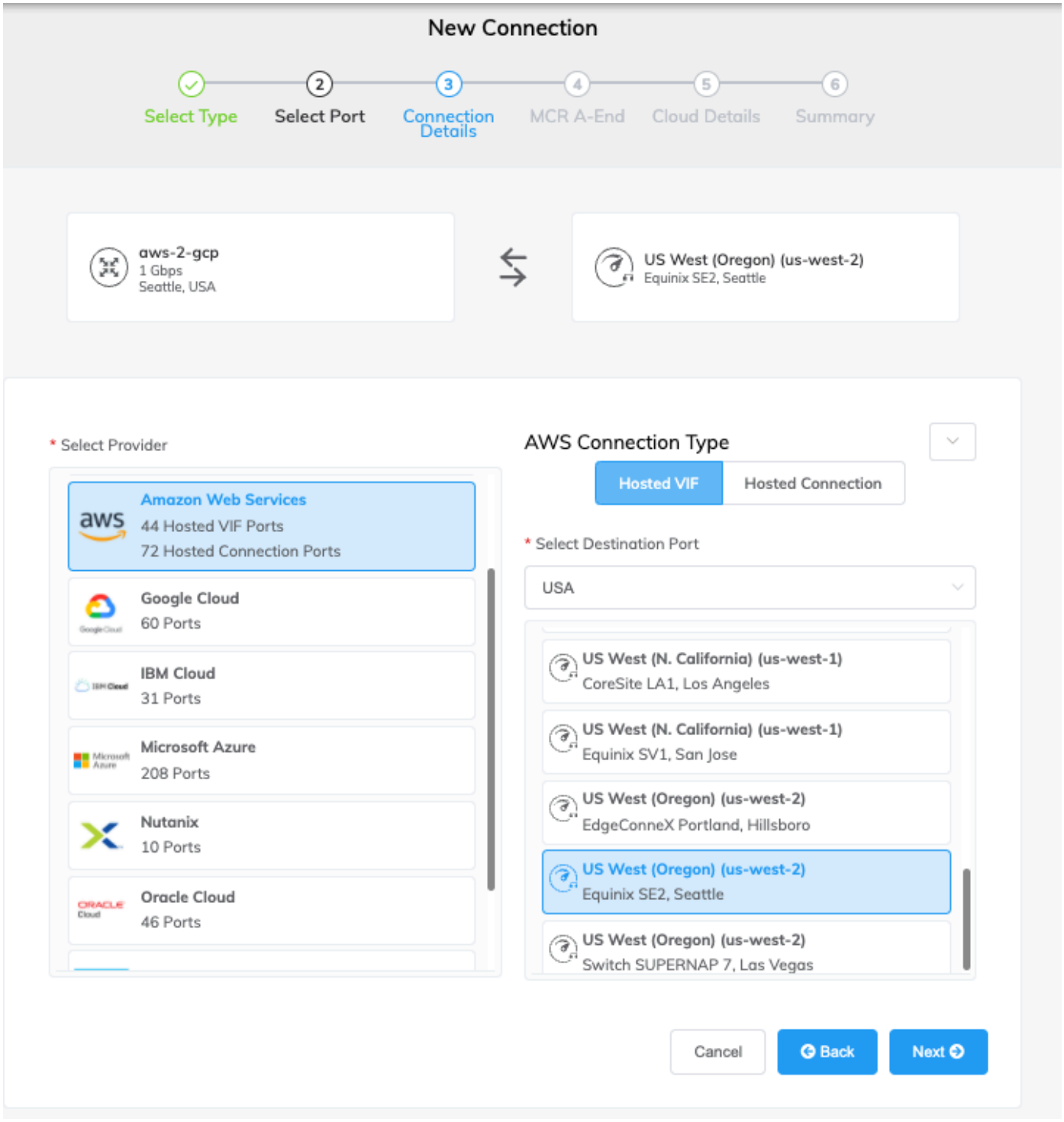


3，ADD MCR完成配置

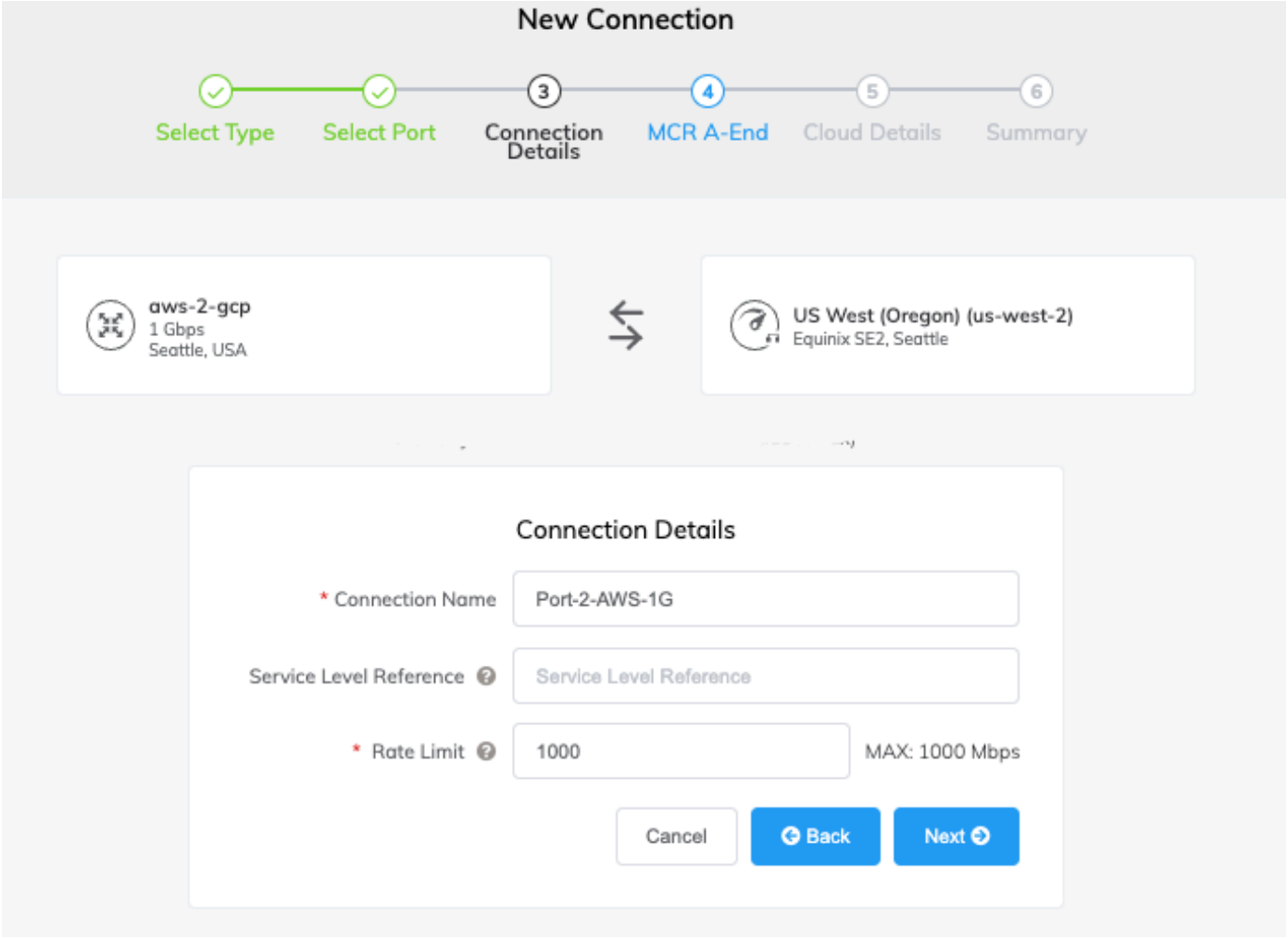


创建连接AWS Port

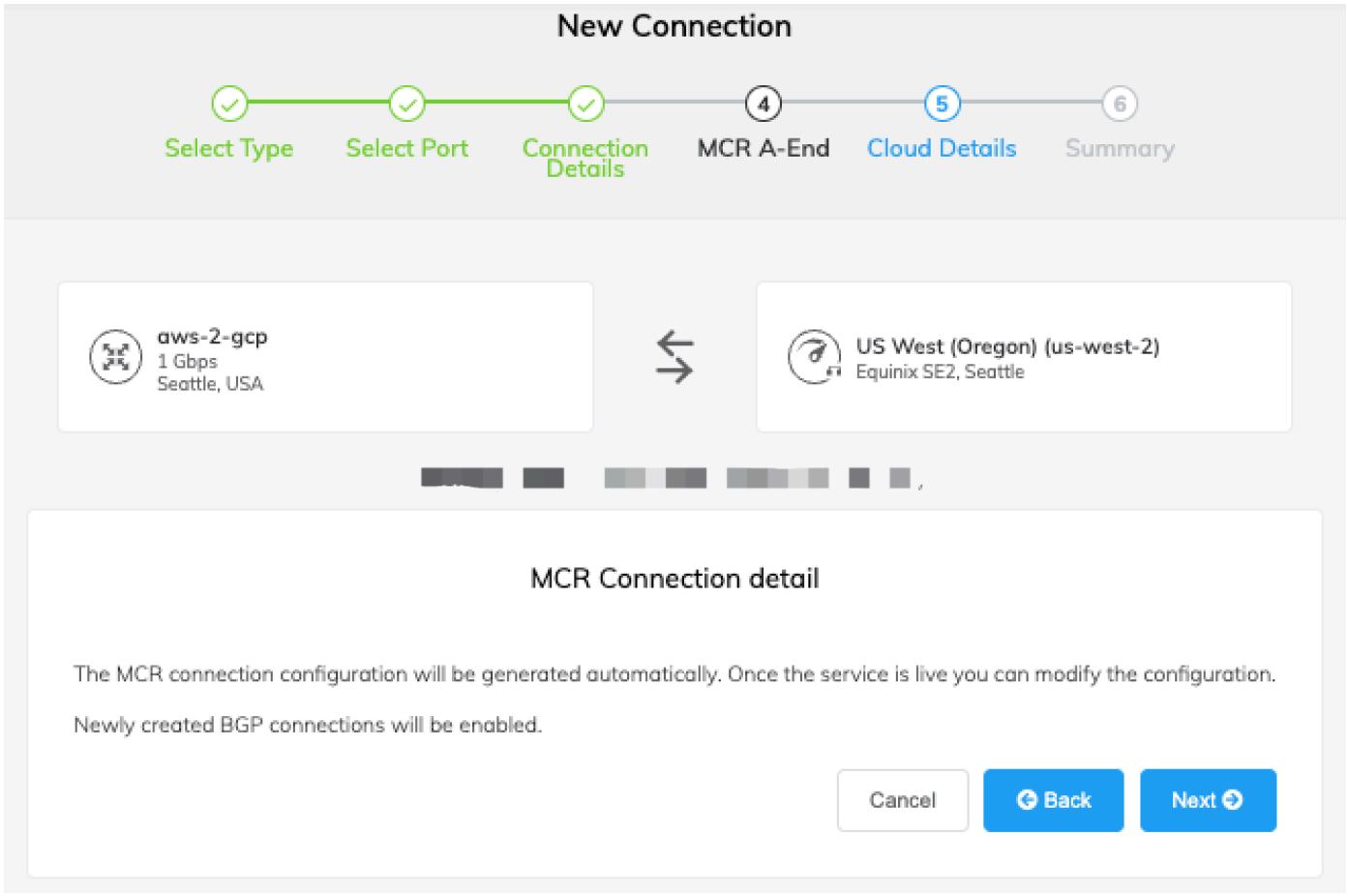
1，选择aws连接区域


New Connection
Select Type
Select Port
Connection Details
MCR A-End
Cloud Details
Summary
aws-2-gcp
1 Gbps
Seattle, USA
US West (Oregon) (us-west-2)
Equinix SE2, Seattle
* Select Provider
Amazon Web Services
44 Hosted VIF Ports
72 Hosted Connection Ports
Google Cloud
60 Ports
IBM Cloud
31 Ports
Microsoft Azure
208 Ports
Nutanix
10 Ports
Oracle Cloud
46 Ports
AWS Connection Type
Hosted VIF
Hosted Connection
* Select Destination Port
USA
US West (N. California) (us-west-1)
CoreSite LA1, Los Angeles
US West (N. California) (us-west-1)
Equinix SV1, San Jose
US West (Oregon) (us-west-2)
EdgeConneX Portland, Hillsboro
US West (Oregon) (us-west-2)
Equinix SE2, Seattle
US West (Oregon) (us-west-2)
Switch SUPERNAP 7, Las Vegas
Cancel
Back
Next

2，配置名称和速率



3，确认与MCR连接信息


New Connection
Select Type
Select Port
Connection Details
4
MCR A-End
5
Cloud Details
6
Summary
aws-2-gcp
1 Gbps
Seattle, USA
US West (Oregon) (us-west-2)
Equinix SE2, Seattle
MCR Connection detail
The MCR connection configuration will be generated automatically. Once the service is live you can modify the configuration.
Newly created BGP connections will be enabled.
Cancel
Back
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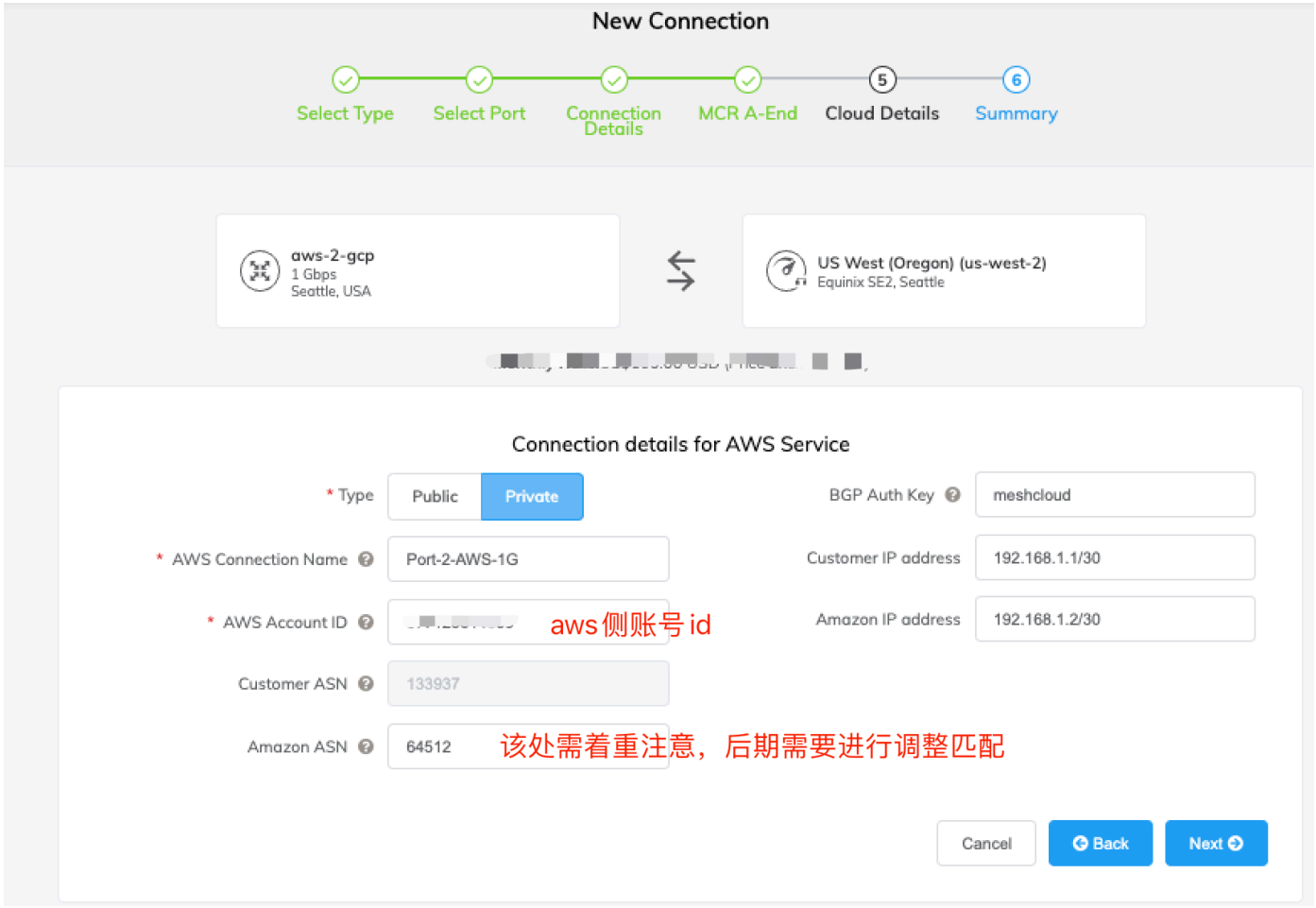
4，配置BGP相关信息


New Connection
Select Type
Select Port
Connection Details
MCR A-End
5
Cloud Details
6
Summary
aws-2-gcp
1 Gbps
Seattle, USA
US West (Oregon) (us-west-2)
Equinix SE2, Seattle
Connection details for AWS Service
* Type
Public
Private
BGP Auth Key
meshcloud
* AWS Connection Name
Port-2-AWS-1G
Customer IP address
192.168.1.1/30
* AWS Account ID
aws侧账号 id
Amazon IP address
192.168.1.2/30
Customer ASN
133937
Amazon ASN
64512
该处需着重注意，后期需要进行调整匹配
Cancel
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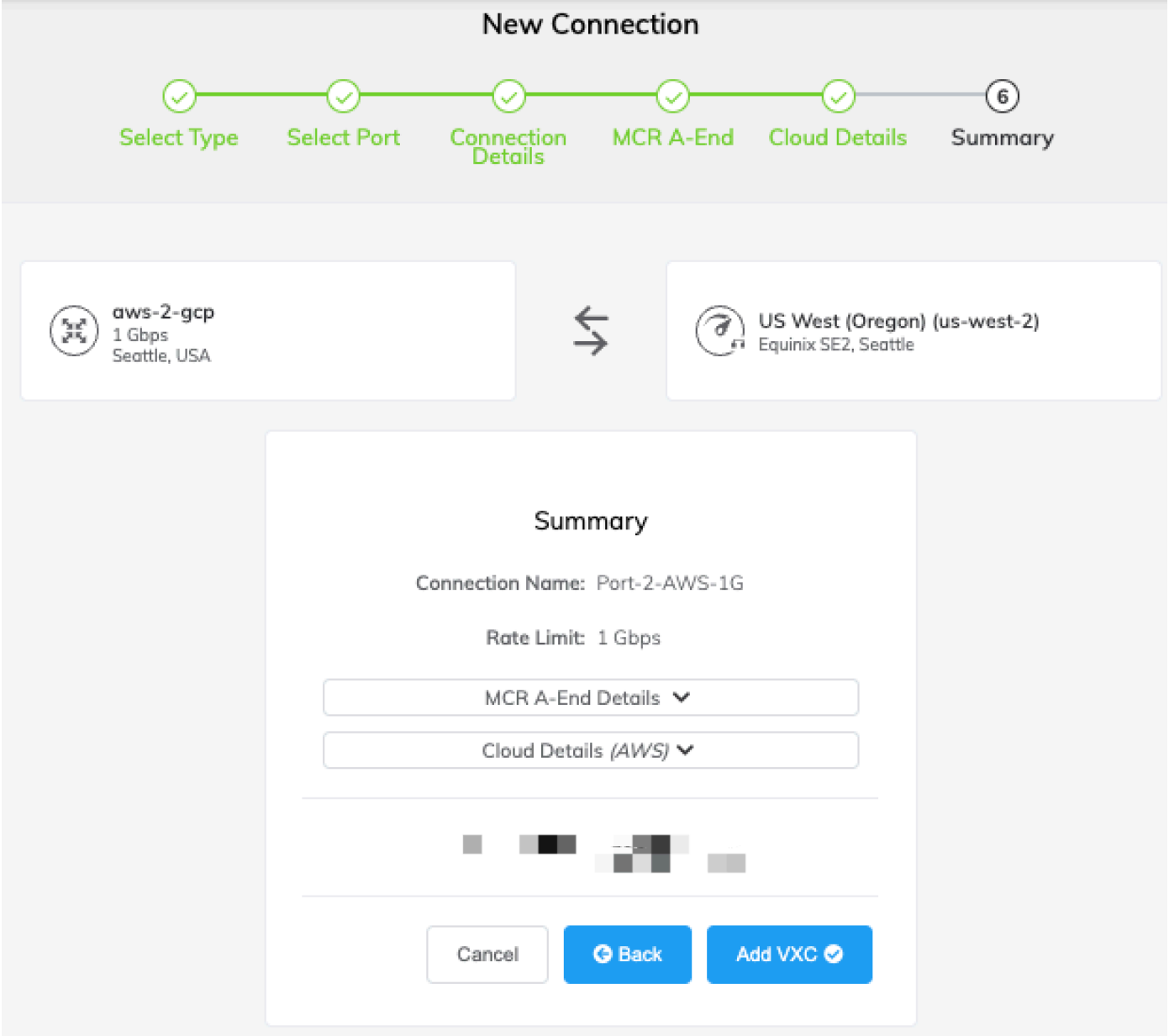
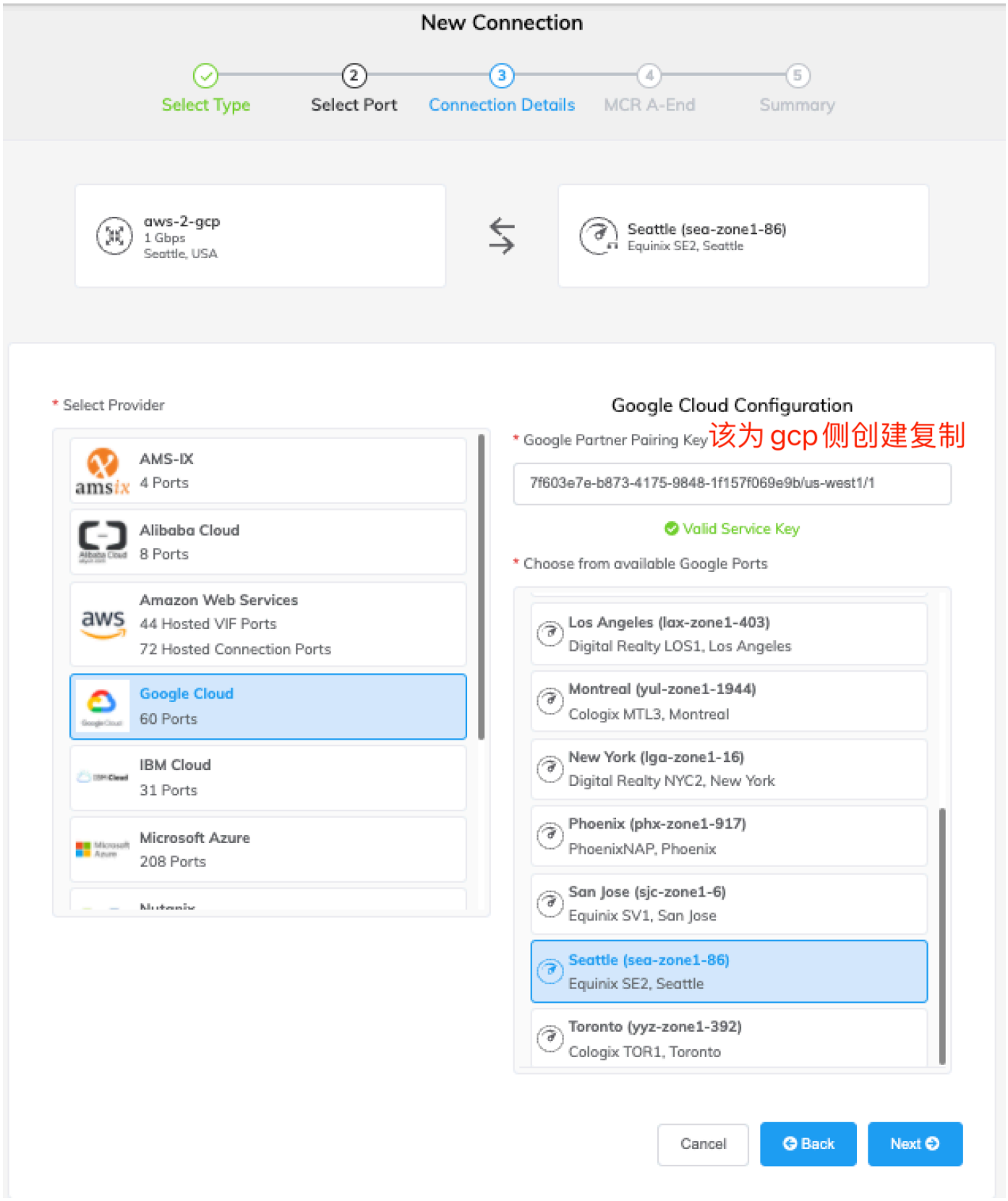
5，确认配置完成配置

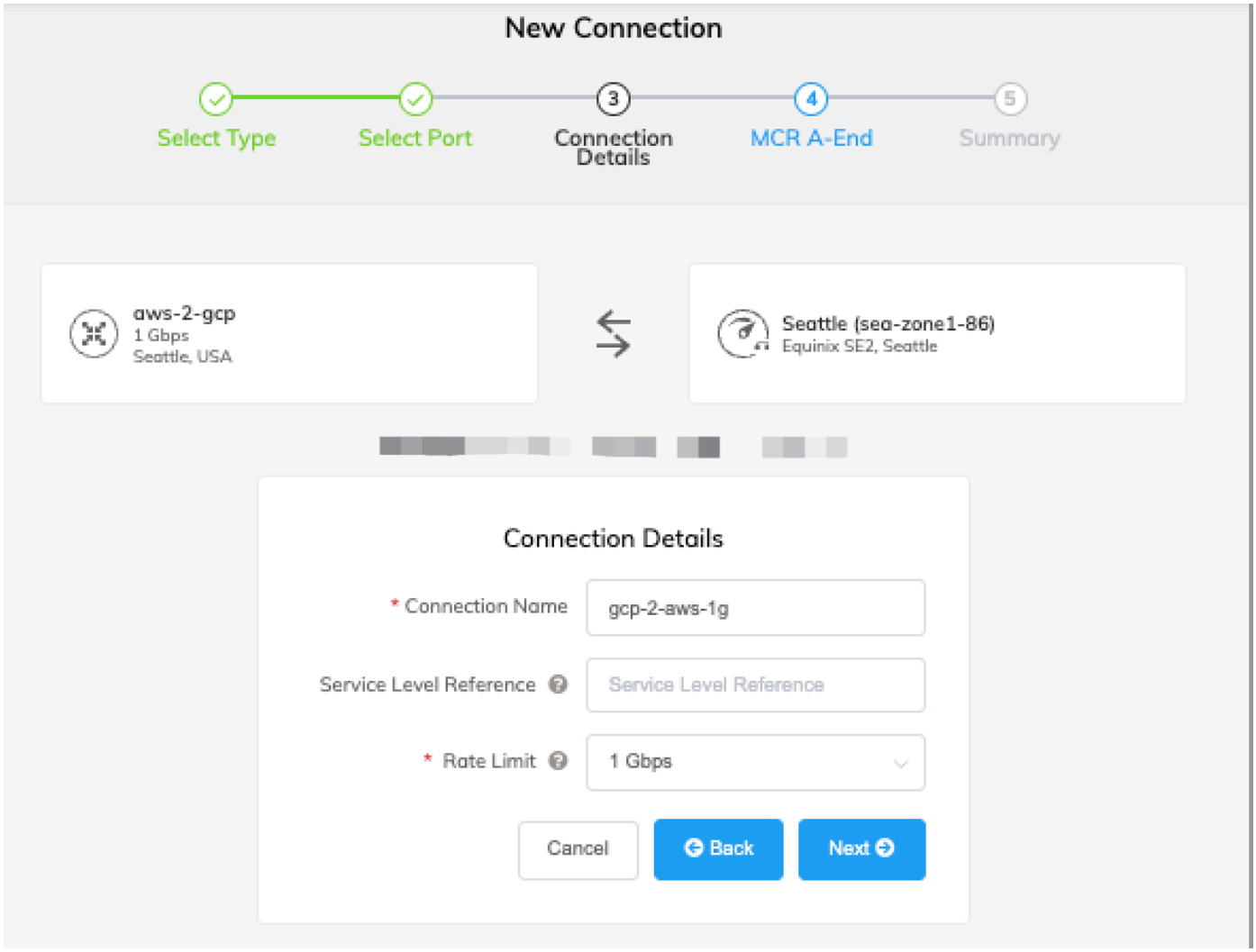


创建连接GCP Port

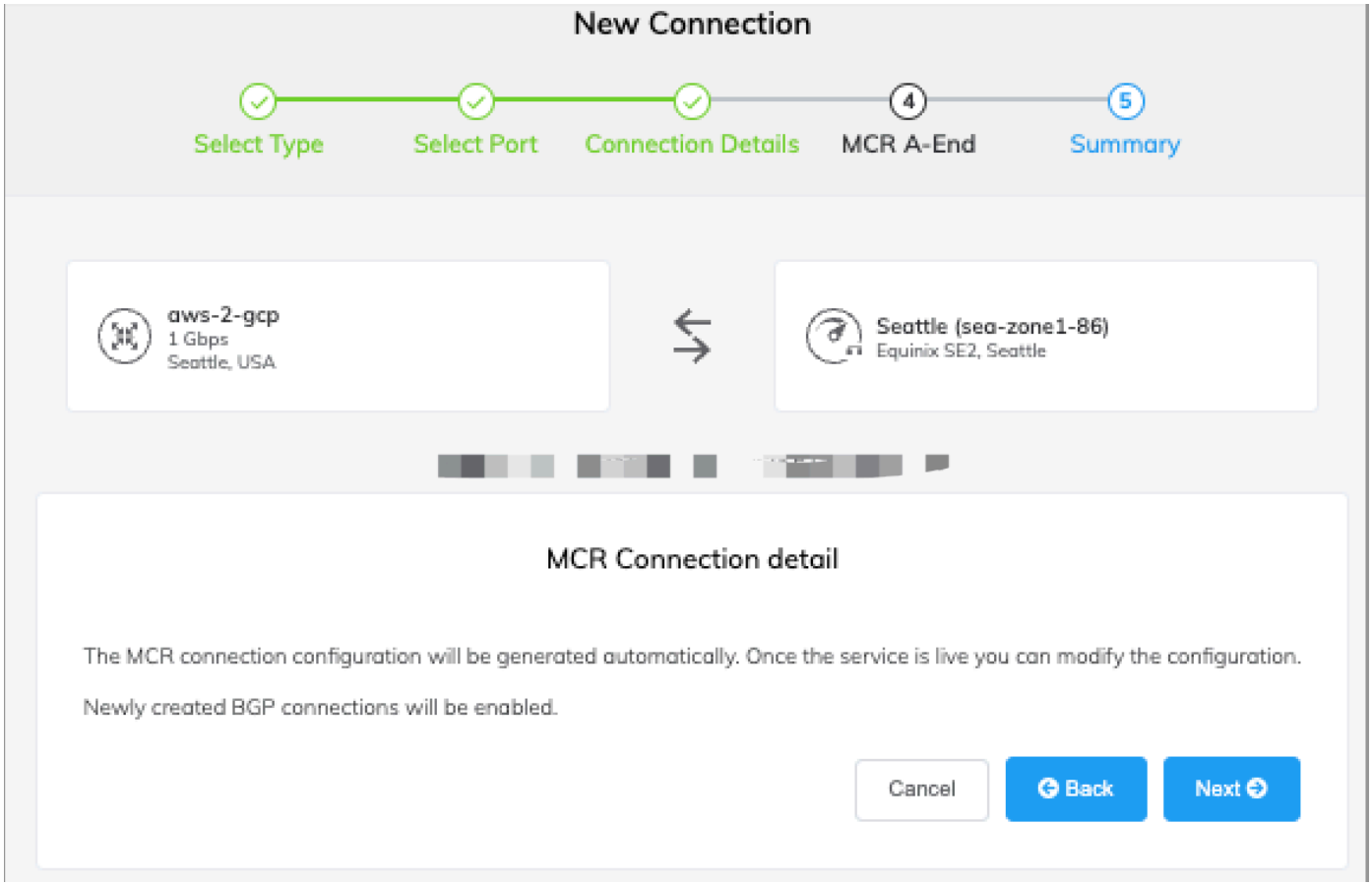
1，输入gcp paring key并选择连接点


New Connection
Select Type
Select Port
Connection Details
MCR A-End
Summary
aws-2-gcp
1 Gbps
Seattle, USA
Seattle (sea-zone1-86)
Equinix SE2, Seattle
* Select Provider
AMS-IX
4 Ports
Alibaba Cloud
8 Ports
Amazon Web Services
44 Hosted VIF Ports
72 Hosted Connection Ports
Google Cloud
60 Ports
IBM Cloud
31 Ports
Microsoft Azure
208 Ports
Google Cloud Configuration
* Google Partner Pairing Key
该为 gcp 侧创建复制
7f603e7e-b873-4175-9848-1f157f069e9b/us-west1/1
Valid Service Key
* Choose from available Google Ports
Los Angeles (lax-zone1-403)
Digital Realty LOS1, Los Angeles
Montreal (yul-zone1-1944)
Cologix MTL3, Montreal
New York (lga-zone1-16)
Digital Realty NYC2, New York
Phoenix (phx-zone1-917)
PhoenixNAP, Phoenix
San Jose (sjc-zone1-6)
Equinix SV1, San Jose
Seattle (sea-zone1-86)
Equinix SE2, Seattle
Toronto (yyz-zone1-392)
Cologix TOR1, Toronto
Cancel
Back
Next

2，配置名称和速率



3，确认与MCR连接信息


New Connection
Select Type
Select Port
Connection Details
4
MCR A-End
5
Summary
aws-2-gcp
1 Gbps
Seattle, USA
Seattle (sea-zone1-86)
Equinix SE2, Seattle
MCR Connection detail
The MCR connection configuration will be generated automatically. Once the service is live you can modify the configuration.
Newly created BGP connections will be enabled.
Cancel
Back
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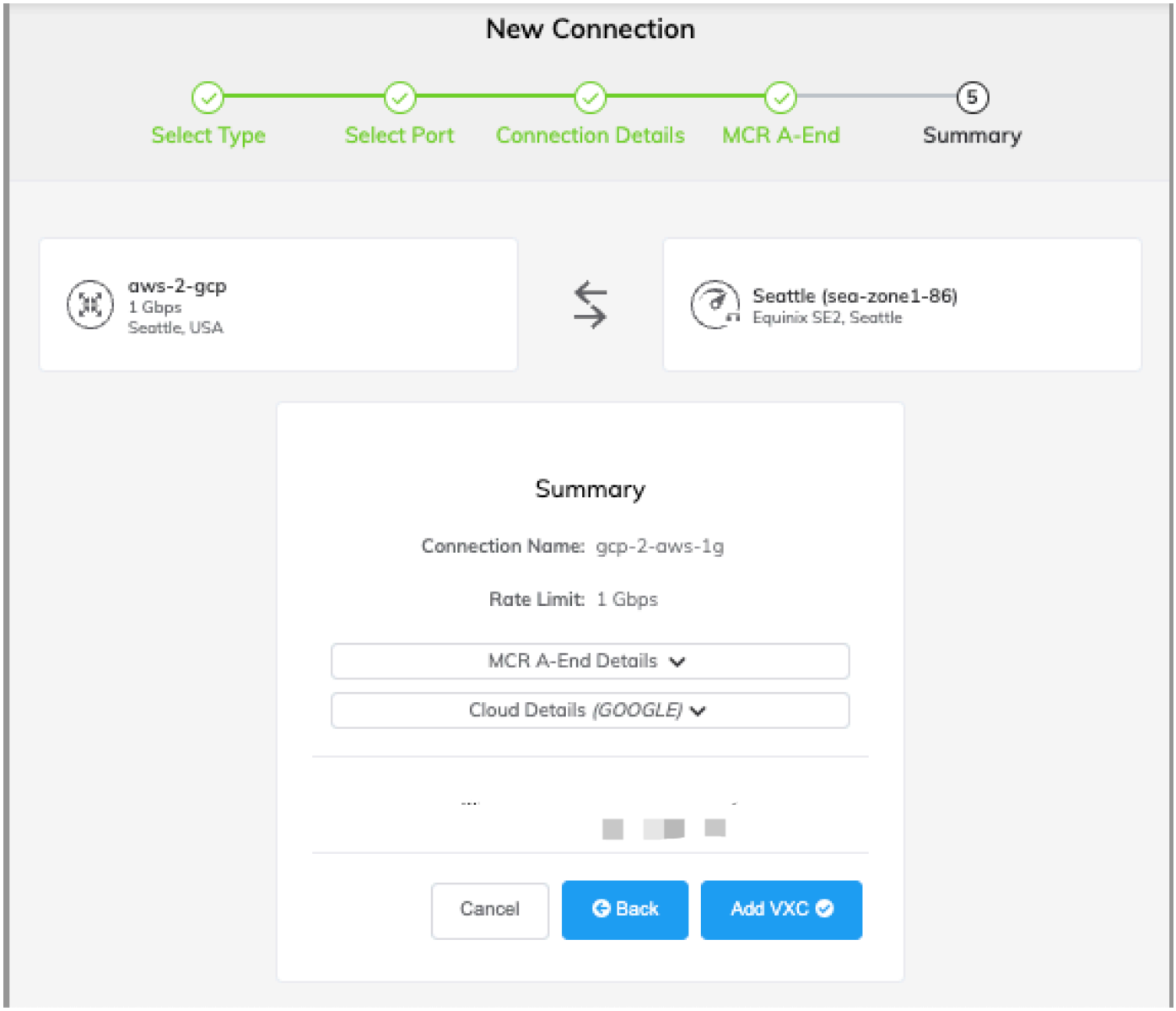
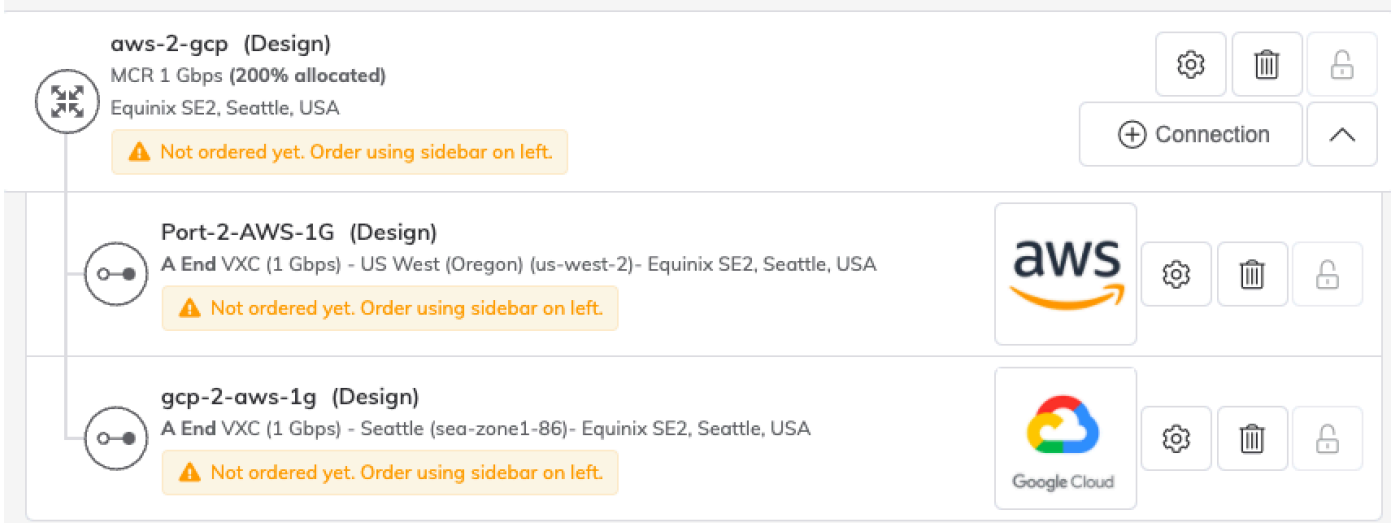
4，确认配置完成配置

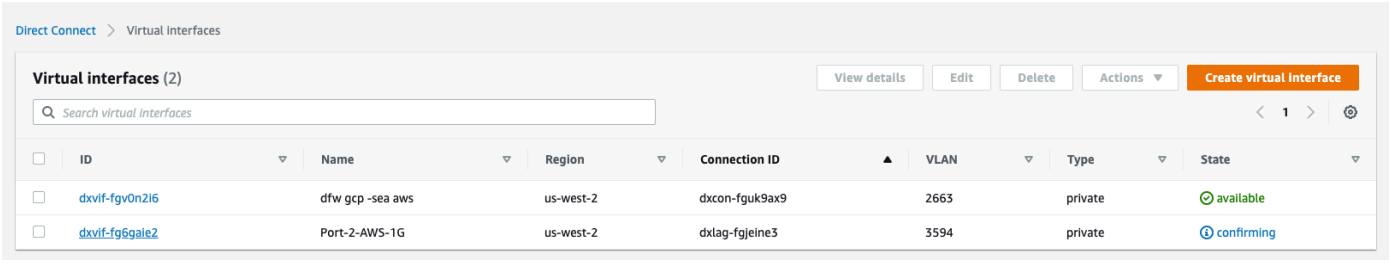

New Connection
Select Type
Select Port
Connection Details
MCR A-End
5
Summary
aws-2-gcp
1 Gbps
Seattle, USA
Seattle (sea-zone1-86)
Equinix SE2, Seattle
Summary
Connection Name: gcp-2-aws-1g
Rate Limit: 1 Gbps
MCR A-End Details
Cloud Details (GOOGLE)
Cancel
Back
Add VXC

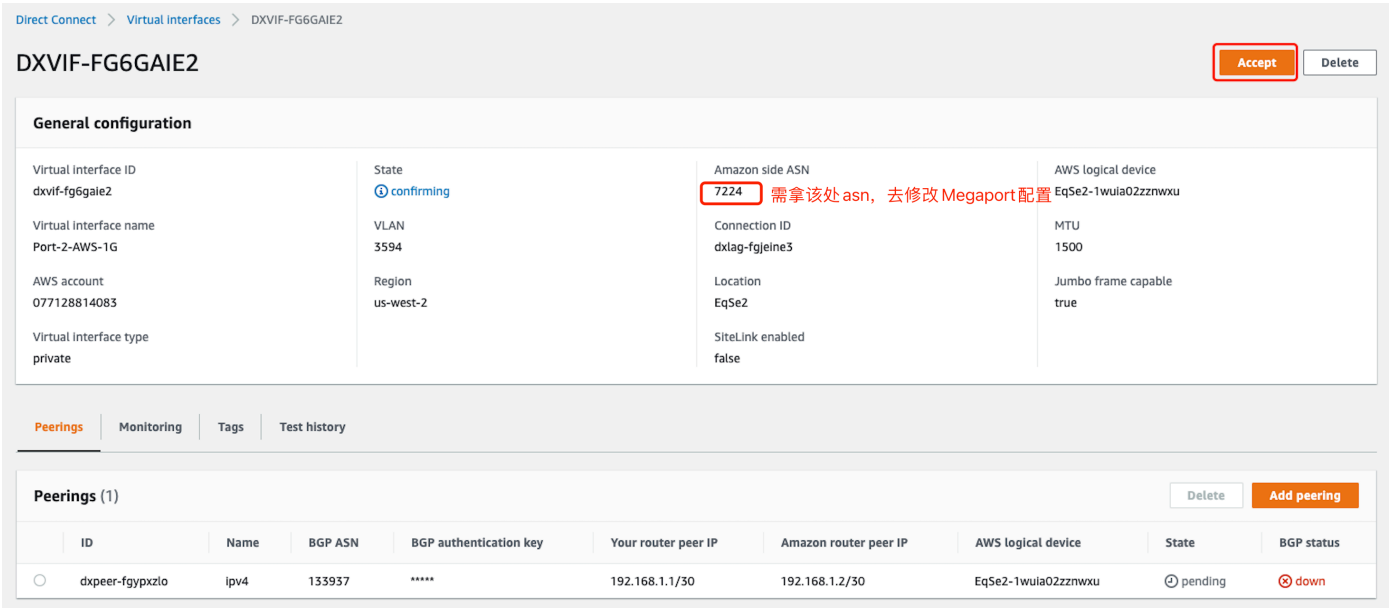
查看确认配置

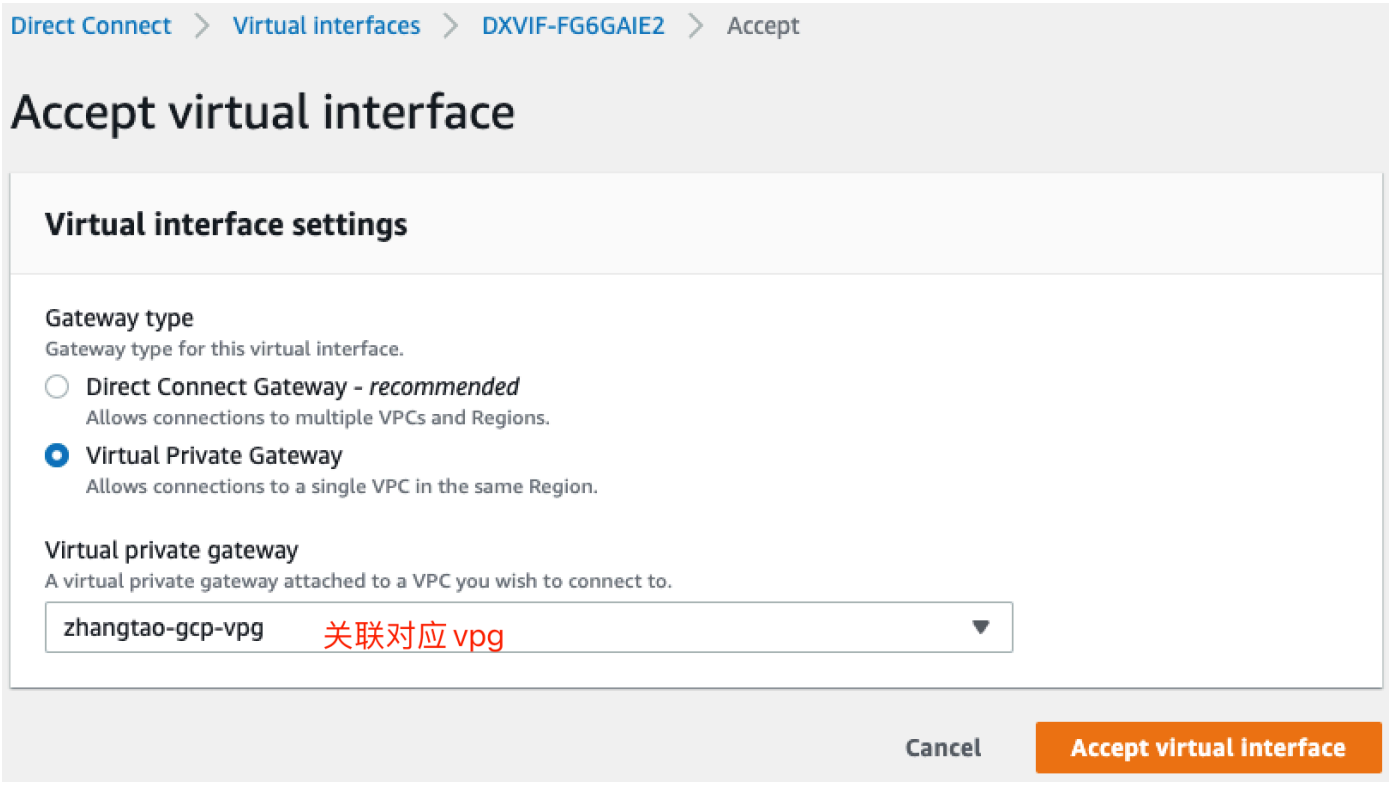

aws-2-gcp (Design)
MCR 1 Gbps (200% allocated)
Equinix SE2, Seattle, USA
Not ordered yet. Order using sidebar on left.
Connection
Port-2-AWS-1G (Design)
A End VXC (1 Gbps) - US West (Oregon) (us-west-2)- Equinix SE2, Seattle, USA
Not ordered yet. Order using sidebar on left.
aws
gcp-2-aws-1g (Design)
A End VXC (1 Gbps) - Seattle (sea-zone1-86)- Equinix SE2, Seattle, USA
Not ordered yet. Order using sidebar on left.
Google Cloud

AWS

接受MegaPort推送VIF







配置VPC路由

- VPC路由表内，将GCP路由添加，并指向到对应VPG即可