Express Connect

Best Practices

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AnyTunnel IP address

AnyTunnel VIP provides a quick way for cloud services access to VPC. AnyTunnel VIP is accessible to any VPC. The CIDR block of AnyTunnel VIP is 100.64.0.0/10, which is the same with that of classic network. An IP address within this CIDR block can serve both in classic network and VPC AnyTunnel.

DNS, YUM, NTP, OSS, SLS, and other cloud services are all using 100.64.0.0/10. If you have established a hybrid cloud, when the on-premises IDC need to access these cloud services, you have to add two route entries. One is for the virtual border router, pointing 100.64.0.0/10 to VPC router interface. The other one is for the device of the on-premises IDC, pointing 100.64.0.0/10 to Alibaba Cloud. 100.64.0.0/10 is a reserved CIDR block of VPC, so when adding route entries for virtual border router, you need to separate 100.64.0.0/10 into 100.64.0.0/11 and 100.96.0.0/11.

Procedure

Step 1: Configure VBR routes

Point 100.64.0.0/11 to VPC router interface

> Log on to **Express Connect console**.

> Select the target VBR and click **Manage**.

> On the **VBR Details** page, click **Add Route**.

> Configure the route entry as follows:

>> - Destination CIDR Block: 100.64.0.0/11
>> - Next Hop Direction: VPC
>> - Next Hop: In the drop-down list, choose the router interface serves as data outlet of the VBR, namely, the router interface of the VBR.

> Click **OK** to complete the configuration.

Point 100.96.0.0/11 to VPC router interface

Go back to the **VBR Details** page , click **Add Route**. Configure the route entry as follows:

- Destination CIDR Block: 100.96.0.0/11
- Next Hop Direction: VPC
- Next Hop: In the drop-down list, choose the router interface serves as data outlet of the VBR, namely, the router interface of the VBR.

Click **OK** to complete the configuration.

Step 2: Configure route for the IDC access device

Add a static route for the IDC access device:

ip route 100.64.0.0/10 {Alibaba Cloud side ip}

This guide is for Alibaba Cloud partners to access a VPC through a physical connection. The guide provides the solution design and the sample connection procedures.

For guide details, refer to **Guide in PDF**.