Alibaba Cloud
Express Connect

Common Configurations

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Generic conventions

Table -1: Style conventions

Style	Description	Example
⊖	This warning information indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	⊖ Danger: Resetting will result in the loss of user configuration data.
⚠	This warning information indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	⚠ Warning: Restarting will cause business interruption. About 10 minutes are required to restore business.
📋	This indicates warning information, supplementary instructions, and other content that the user must understand.	⊙ Notice: Take the necessary precautions to save exported data containing sensitive information.
	This indicates supplemental instructions, best practices, tips, and other content that is good to know for the user.	📋 Note: You can use Ctrl + A to select all files.
>	Multi-level menu cascade.	Settings > Network > Set network type
Bold	It is used for buttons, menus, page names, and other UI elements.	Click OK.
Courier font	It is used for commands.	Run the `cd / d  C :/ windows` command to enter the Windows system folder.
Italics	It is used for parameters and variables.	`bae  log  list -- instanceid` *Instance_ID*
[] or [a|b]	It indicates that it is a optional value, and only one item can be selected.	`ipconfig` *[-all|-t]*

Style	Description	Example
{} or {a|b}	**It indicates that it is a required value, and only one item can be selected.**	`swich` *{stand | slave}*

Contents

1 Configure health checks

To ensure that traffic is distributed to the other physical connection when one physical connection fails, you must configure health checks for VBRs.

Prerequisites

Make sure that you have established redundant physical connections and added ECMP routes directing to the on-premises data center in the VPC.

Context

Alibaba Cloud sends a ping packet to the customer-side IP address of the on-premises data center from each health check IP address every two seconds. If eight successive ping packets on one leased line fail to give responses, the traffic is distributed to the other leased line.

> 📋 Note:
>
> If Control Plane Policing (Copp) (such as Cisco devices) or Local Attack Defense Policy (Huawei devices) is configured on the on-premises data center, health check packets may be discarded and then the health check link shocks. We recommend that you cancel the control side speed limitation on the network device of the on-premises data center.

Procedure

1. Log on to the Express Connect console.

2. In the left-side navigation pane, choose VPC Peering Connections > VBR-to-VPC.

3. Locate the target peering connection and click > Health Check.

4. Click Configure and then configure the health check based on the following information.

Configuration	Description
Source IP	Any idle private IP address in the VPC.

Configuration	Description
Destination IP	The interface IP address of the network device of the on-premises data center. If you need to perform an ICMP health check from your on-premises data center to the VPC to check if the connection is normal, we recommend that you set the Destination IP as the source IP address used for health checks of the VPC, and configure a route that points to this address.

2 Manage quotas

You can query the number of remaining resources in your quota through the Express Connect console. If the remaining quota number is insufficient for your requirements, you can open a ticket to apply for an increase to your quota.

Procedure

1. Log on to the Express Connect console.

2. In the left-side navigation pane, click Quota Management.

3. On the Quota Management page, view the resource usage of the Express Connect service under your account.

4. To increase your resource quota, click Apply in the Actions column. Then, enter the following information:

    · Quantity for Application: the number of resources you require. You must enter a number that is greater than the current quota. For more information about the resource limits of Express Connect, see Limits.

    · Reason for Application: your reason for applying for an increase to your quota. We recommend that you include details about your specific scenario.

    · Email: the email address of the person to contact.

5. Click OK.

    The system automatically determines whether the quota application is reasonable. If it is unreasonable, the application enters a Rejected state, and if it is reasonable, Approved. If the application is approved, the quota is automatically upgraded to the applied number.

    To view the quota application history, click Application History in the Application History column.