VPC Endpoint

FAQ

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1 What Should I Do If the VPC Endpoint I Purchased
Cannot Connect to a VPC Endpoint Service?

1 What Should I Do If the VPC Endpoint I Purchased Cannot Connect to a VPC Endpoint Service?

1. Confirm that the security group of the ECS NIC is correctly configured.
   - On the ECS details page, view the security group details.
   - Check whether the security group permits IP addresses in the 198.19.128.0/17 CIDR block in the inbound direction. If it does not, add inbound rules for this CIDR block based on service requirements.
2. Confirm that the network ACL of the subnet used by the ECS NIC does not block traffic.

   If you can configure the network ACL on the left part of the VPC console, confirm that the subnet of the associated VPC endpoint allows traffic to pass through.
3. If you configure a load balancer as the backend resource for the VPC endpoint service, and enable access control for the listener associated with the load balancer, ensure to allow traffic from 198.19.128.0/17.

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2 What Are the Differences Between VPC Endpoints
and VPC Peering Connections?

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Table 2-1 describes differences between VPC endpoints and VPC peering connections.

📖 **NOTE**

> VPC endpoints and VPC peering connections are two different resources. You can configure either of them based on your connectivity needs.

Table 2-1 Differences

Category	VPC Peering Connection	VPC Endpoint
Security	All resources in a VPC, such as ECSs and load balancers, can be accessed.	Only the ECSs and load balancers that are configured as VPC endpoint services can be accessed.
Overlapping CIDR blocks	Not supported If two VPCs have overlapping subnets, the VPC peering connection will not work.	Supported If you use a VPC endpoint to connect two VPCs, you do not have to worry about overlapping subnets.
Communications mode	VPCs connected through a peering connection can communicate with each other.	Requests can only be initiated from a VPC endpoint to a VPC endpoint service through a specified port, but not the other way around.
Route configuration	You have to configure routes for the VPCs so that they can communicate with each other.	The routes are configured by the system.

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2 What Are the Differences Between VPC Endpoints and VPC Peering Connections?

Category	VPC Peering Connection	VPC Endpoint
Access using VPN/Direct Connect	Supported If you have connected your on-premises data center to a VPC through VPN or Direct Connect, you can use a VPC peering connection to allow your on-premises data center to access the cloud services in another VPC.	Supported If you have connected your on-premises data center to a VPC through VPN or Direct Connect, you can use a VPC endpoint to allow your on-premises data center to access cloud services that have been configured as VPC endpoint services.

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3 What Statuses Are Available for a VPC Endpoint
Service and VPC Endpoint?

3 What Statuses Are Available for a VPC Endpoint Service and VPC Endpoint?

Table 3-1 describes statuses of a VPC endpoint service and their meanings.

Table 3-1 Statuses of a VPC endpoint service

Status	Description
Creating	Indicates that the VPC endpoint service is being created.
Available	Indicates that the VPC endpoint service is created and can accept a VPC endpoint.
Failed	Indicates that the VPC endpoint service fails to be created.
Deleting	Indicates that the VPC endpoint service is being deleted.
Deleted	Indicates that the VPC endpoint service has been deleted.

Table 3-2 describes statuses of a VPC endpoint and their meanings.

Table 3-2 Statuses of a VPC endpoint

Status	Description
Pending acceptance	Indicates that the VPC endpoint is pending acceptance of the owner of the associated VPC endpoint service.
Creating	Indicates that the VPC endpoint is connecting to the associated VPC endpoint service.
Accepted	Indicates that the VPC endpoint is accepted by the associated VPC endpoint service.
Rejected	Indicates that the VPC endpoint is rejected by the associated VPC endpoint service.

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3 What Statuses Are Available for a VPC Endpoint
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Status	Description
Failed	Indicates that the VPC endpoint fails to connect to the associated VPC endpoint service.
Deleting	Indicates that the VPC endpoint is being deleted.

4 Does VPC Endpoint Support Cross-Region Access?

VPC endpoint services cannot be accessed across regions. VPC Endpoint supports only access to cloud services or users' private services in VPCs in the same region.