

# Enterprise Switch User Guide

## FAQs

<b>Issue</b>	1
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# 1 What Switches Can Connect to Enterprise Switches?

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If you use an enterprise switch to connect your on-premises data center to the cloud, the switch of your data center must support the VXLAN function. The following lists some switches that support the VXLAN function.

- Huawei switches: Huawei CE58, CE68, CE78, and CE88 series switches, such as CE6870, CE6875, CE6881, CE6863, and CE12800 switches
- Switches of other vendors: Cisco Nexus 9300, Ruijie RG-S6250, and H3C S6520 series switches

# 2 Why Is the Layer 2 Connection in the Not Connected State Even After Its Configuration Is Complete?

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Possible causes and solutions:

1. The VXLAN tunnel of your data center is not properly configured.  
Log in to the switch of your data center and check its tunnel configurations.  
For details, see [Configuring a Tunnel Gateway in Your Data Center](#).
2. The Direct Connect or VPN connection fails.  
Check the Direct Connect or VPN connection configurations.
  - [Direct Connect Network and Connectivity](#)
  - [VPN Connection or Ping Failure](#)

# **3 Can Enterprise Switches Enable Communications Between Different Clouds?**

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No. Enterprise switches only can be used to enable Layer 2 communications between Huawei Cloud and an on-premises data center.

# 4 Why Is Communication Between the Cloud and On-premises Servers Unavailable Even When the Layer 2 Connection Status Is Connected?

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**Possible cause:** The VXLAN tunnel of your data center is not properly configured.

**Solution:**

Log in to the switch of your data center and check its tunnel configurations. For details, see [Configuring a Tunnel Gateway in Your Data Center](#).

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# A Change History

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Released on	Description
2022-04-20	The issue is the first official release.