

Data Transmission Service

Data Sync

Product Documentation



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DTS supports sync of self-built, TencentDB, and third-party cloud databases. Below are the specific network connection methods:

- **Public Network:** the source database can be accessed through a public IP.
- **Self-Build on CVM:** the source database is deployed in a [CVM](#) instance.
- **Direct Connect:** the source database can be interconnected with VPCs through [Direct Connect](#).
- **VPN Access:** the source database can be interconnected with VPCs through [VPN Connection](#).
- **VPC:** the source and target databases are both deployed in Tencent Cloud [VPCs](#). The data sync feature supports the VPC access type. To use it, [submit a ticket](#) for application.
- **Database:** the source database is a TencentDB database.
- **CCN:** the source database can be interconnected with VPCs through [CCN](#).

For a third-party cloud database, you can select **Public Network** generally or select **VPC Access**, **Direct Connect**, or **CCN** based on your actual network conditions.

Databases that support sync are as detailed below:

Data Flow Direction	Sync Direction	Source Database	Target Database	Data Initialization Type
MySQL > TencentDB for MySQL	To Tencent Cloud	<ul style="list-style-type: none"> • Self-Built MySQL 5.5, 5.6, 5.7, and 8.0 • TencentDB for MySQL 5.5, 5.6, 5.7, and 8.0 • Third-Party (AWS and Alibaba Cloud) MySQL 5.5, 5.6, and 5.7 	TencentDB for MySQL 5.5, 5.6, 5.7, and 8.0	<ul style="list-style-type: none"> • Structure initialization • Full data initialization
TencentDB for MySQL > PostgreSQL	To Tencent Cloud	TencentDB for MySQL 5.6 and 5.7	Cloud Data Warehouse PostgreSQL (CDWPG) 1.0.0	<ul style="list-style-type: none"> • Structure initialization • Full data initialization

Data Flow Direction	Sync Direction	Source Database	Target Database	Data Initialization Type
TencentDB for MySQL > TDSQL-A for PostgreSQL	To Tencent Cloud	TencentDB for MySQL 5.6 and 5.7	TDSQL-A for PostgreSQL	<ul style="list-style-type: none"> • Structure initialization • Full data initialization
MySQL > TDSQL-C	To Tencent Cloud	<ul style="list-style-type: none"> • Local self-built MySQL 5.5, 5.6, and 5.7 • TencentDB for MySQL 5.5, 5.6, and 5.7 • Third-Party (Alibaba Cloud and AWS) MySQL 5.5, 5.6, and 5.7 	TDSQL-C 5.7	<ul style="list-style-type: none"> • Structure initialization • Full data initialization
TDSQL-C > TencentDB for MySQL	To Tencent Cloud	TDSQL-C 5.7	TencentDB for MySQL 5.7 and 8.0	<ul style="list-style-type: none"> • Structure initialization • Full data initialization
TDSQL-C > TDSQL-C	To Tencent Cloud	TDSQL-C 5.7	TDSQL-C 5.7	<ul style="list-style-type: none"> • Structure initialization • Full data initialization
TencentDB for MySQL > local MySQL	From Tencent Cloud	TencentDB for MySQL 5.5, 5.6, 5.7, 8.0	MySQL 5.5, 5.6, 5.7, and 8.0	-

Note :

- "To Tencent Cloud" refers to scenarios where the target database is a Tencent Cloud database product. "From Tencent Cloud" refers to scenarios where the target database isn't a Tencent Cloud database product.
- Sync requirement: at least one of the source and target databases must be a Tencent Cloud database instance.
- The target database version must be above or equal to the source database version.