TencentDB for PostgreSQL

Cloud Disk Edition

Product Documentation

Contents

Cloud Disk Edition
Overview of PostgreSQL Cloud Disk Edition

Last updated：2026-05-08 15:13:44

TencentDB for PostgreSQL supports the cloud disk edition architecture. It offers high elasticity, high performance, flexibility, and security and reliability. It also combines the advantages of open-source cloud databases, such as simplicity, openness, and efficient iteration. The cloud disk edition provides several unique capabilities, including: automatic failover, multi-AZ disaster recovery, and snapshot backup. These capabilities help users handle complex business scenarios and meet diverse business requirements with a single database. To use the TencentDB for PostgreSQL cloud disk edition, please submit a ticket to contact us.

What Is Cloud Disk Edition

The cloud disk edition of the database is a cloud-native, high-availability deployment mode. In terms of performance and cost, the architecture deployment mode of the cloud disk edition is suitable for more complex business scenarios, such as business systems with significant changes, large database volumes, or frequent configuration scaling requirements.
The PostgreSQL cloud disk edition supports asynchronous replication and semi-synchronous replication. You can select the replication method on the purchase page. After purchase, you can also modify it on the instance details page in the console. For details about replication methods, see Modifying Data Replication Methods.
The PostgreSQL cloud disk edition uses CBS as its storage type. It supports Premium Disk, Enhanced SSD, and Cloud SSD. You can select the CBS type only on the purchase page. For details about the performance of each CBS type, see CBS Types.

Supported Region

TencentDB for PostgreSQL currently supports creating Cloud Disk Edition instances in the following regions: Guangzhou, Shanghai, Beijing, Chengdu, and Hong Kong (China).

Billing

To learn about the billing methods and items for the PostgreSQL cloud disk edition, see Billing Overview.
To learn about the billing for the free storage space and backups exceeding the free space in the PostgreSQL cloud disk edition, see Cloud Disk Edition Backup Billing.

How to Create a Cloud Disk Edition

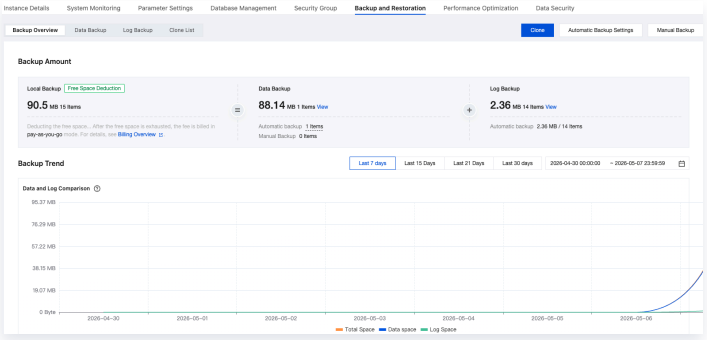
You can create a PostgreSQL Cloud Disk Edition instance through the console or API. For the specific procedure, see Create a PostgreSQL Instance.

Viewing Instance Backups

Last updated：2026-05-08 15:13:44

Backup Overview

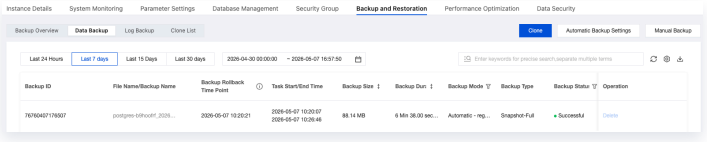
1. Log in to the TencentDB for PostgreSQL console, click the **Instance ID**, and go to the instance management page.
2. Click **Backup and Restoration** to go to the Backup Overview page.



On the Backup Overview page, you can view an overview of data backups and log backups. You can also see the trend of backup space usage over time.

Data Backup

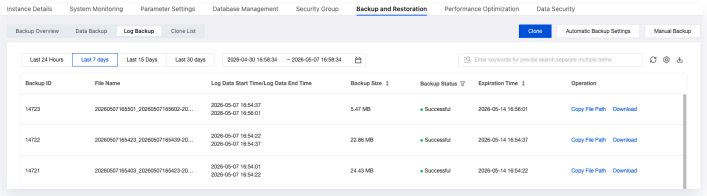
1. Log in to the TencentDB for PostgreSQL console, click the **Instance ID**, and go to the instance management page.
2. Click **Data Backup** to go to the Data Backup Details page.



The backup list displays a list of all full backup files for the time period you selected. It also supports filtering by backup method and backup status.

Log Backup

1. Log in to the TencentDB for PostgreSQL console, click the **Instance ID**, and go to the instance management page.
2. Click **Log Backup** to go to the Log Backup Details page.



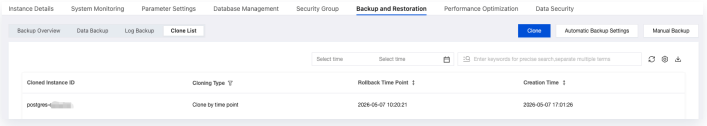
The backup list displays a list of all log backup files for the time period you selected. It also supports filtering by backup status.

Cloning

Cloning List

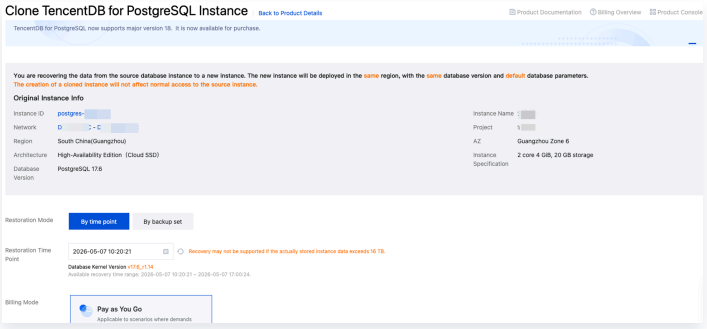
1. Log in to the TencentDB for PostgreSQL console, click the **Instance ID**, and go to the instance management page.
2. Click **Clone List** to go to the Clone Details page.

   The system displays details of all clone instances initiated within the time period you selected.



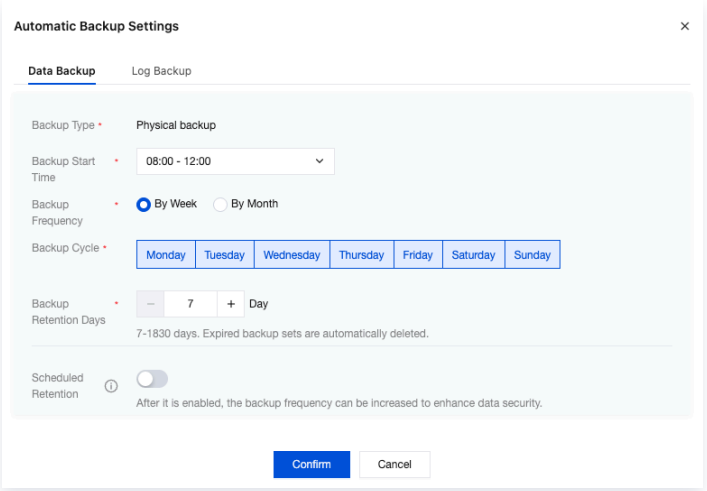
Cloning

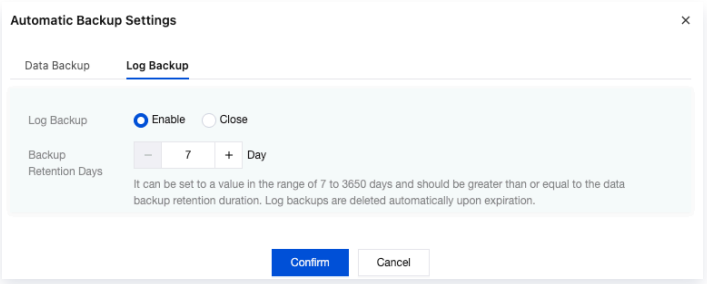
1. Log in to the TencentDB for PostgreSQL console, click the **Instance ID**, and go to the instance management page.
2. Click **Clone** to initiate a clone task.



Automatic Backup Settings

1. Log in to the TencentDB for PostgreSQL console, click the **Instance ID**, and go to the instance management page.
2. Click **Automatic Backup Settings** to go to the Settings Details page.





The following items can be configured:

Configuration Item	Description

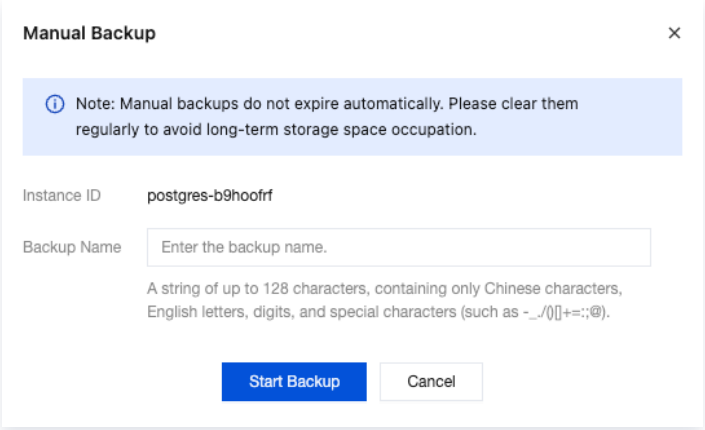
Data backup	• Backup Start Time: The time when the data backup task is enabled. The system enables the backup task within the time period you set.
	• Backup Frequency:
	  ○ By Week: You can schedule data backups on a daily basis for Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, and Sunday.
	  ○ By Month: This option supports configuring backups on a monthly basis. The interval between scheduled backup executions you select cannot exceed two days.
	• Backup Retention Days: 7 – 1830 days. Backup sets are automatically deleted upon expiration.
	• Scheduled Retention:
	  ○ Periodic backup builds upon regular automatic backup to provide a more flexible backup policy.
	  ○ This feature allows you to configure the number of backups to retain on a weekly, monthly, quarterly, or yearly basis. It does not require retaining additional new backup files. However, the retention period for periodic backups differs from (and is longer than) that for regular backups.

	○ After you disable periodic backup, no new periodic backups are generated, and existing backup sets are not deleted immediately. ○ You can modify the retention period for periodic backups to clean up existing periodic backups.
Log Backup	• Log Backup: This feature provides two options: enable and disable. After you disable log backup, you cannot perform PITR recovery. • Backup Retention Days: This can be set to a value between 7 – 3650 days. It must be greater than or equal to the data backup retention period. Log backups are automatically deleted upon expiration.

Manual Backup

1. Log in to the TencentDB for PostgreSQL console, click the **Instance ID**, and go to the instance management page.
2. Click **Manual Backup** to initiate a manual backup operation.

> **Note:**
> Manual backups do not expire automatically. Clean them up periodically to prevent them from occupying storage space for an extended period.



Billing for Cloud Disk Backup

TencentDB for PostgreSQL instances that use cloud disks are allocated a certain amount of free backup space based on the instance. The size of the free backup space is 200% of the storage space of the primary instance you purchased.

- The free backup space (per instance) = the total storage space of the purchased PostgreSQL primary instance * 200%.
- The billable portion (per instance) = data backup volume (for that instance) + log backup volume (for that instance) – free backup space (for that instance).

Backup Pricing

Backup space exceeding the free quota is billed at USD 0.00003676/GB/hour in the Chinese mainland and at USD 0.00004118/GB/hour in other regions.

Migrating to Cloud Disk Edition

Last updated：2026-05-08 15:13:44

This document describes how to migrate to TencentDB for PostgreSQL Cloud Disk Edition.

Scenarios

You can perform the following migration by using DTS for data transmission.

Source	Target
Self-built PostgreSQL in IDC / Self-built database on CVM TencentDB for PostgreSQL PostgreSQL from Other Cloud Vendors	TencentDB for PostgreSQL (Cloud Disk Edition)

Operation Steps

> **Note:**
> Currently, migration to TencentDB for PostgreSQL Cloud Disk Edition using the physical migration method is not supported.

For specific operation steps, see Migrating PostgreSQL to PostgreSQL – Logical Migration.