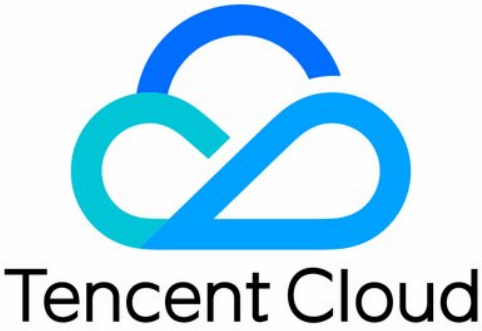
Data Transfer Service

Getting Started

Product Documentation



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Contents

Getting Started
- Data Migration Guide
- Data Sync Guide
- Data Subscription Guide (Kafka Edition)

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Getting Started
Data Migration Guide

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Relevant information

Data Migration.

Databases Supported by Data Migration.

Overall process

Step	Description
1. Prepare.	Before creating a data migration task, you need to prepare the source and target databases and a network environment as instructed in Preparations Overview to meet the environment requirements.
2. Create a data migration task.	This section provides only a basic sample migration task. For more scenarios, see Migration from MySQL to TencentDB for MySQL.
3. View the task progress or perform other operations.	You can view the overall migration progress and details and perform operations such as verification and retry as instructed in Viewing Task. You can view various data migration metrics as instructed in Viewing Monitoring Metric.
4. Perform the business cutover.	You need to select an appropriate time for business cutover to reduce the impact on the business. For more information, see Cutover Description.

Sample data migration task

Notes:

The following only summarizes the steps of configuring a data migration task for your reference. For detailed directions, parameters, and operation limits, see Data Migration (NewDTS).

1. Log in to the DTS console, select **Data Migration** on the left sidebar, and click **Create Migration Task** to enter the **Create Migration Task** page.

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2. On the **Create Migration Task** page, select the types, regions, and specifications of the source and target instances and click **Buy Now**.
3. On the **Set source and target databases** page, configure the task, source database, and target database settings. After the source and target databases pass the connectivity test, click **Create**.

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4. On the **Set migration options and select migration objects** page, configure the migration type and objects and click **Save**.

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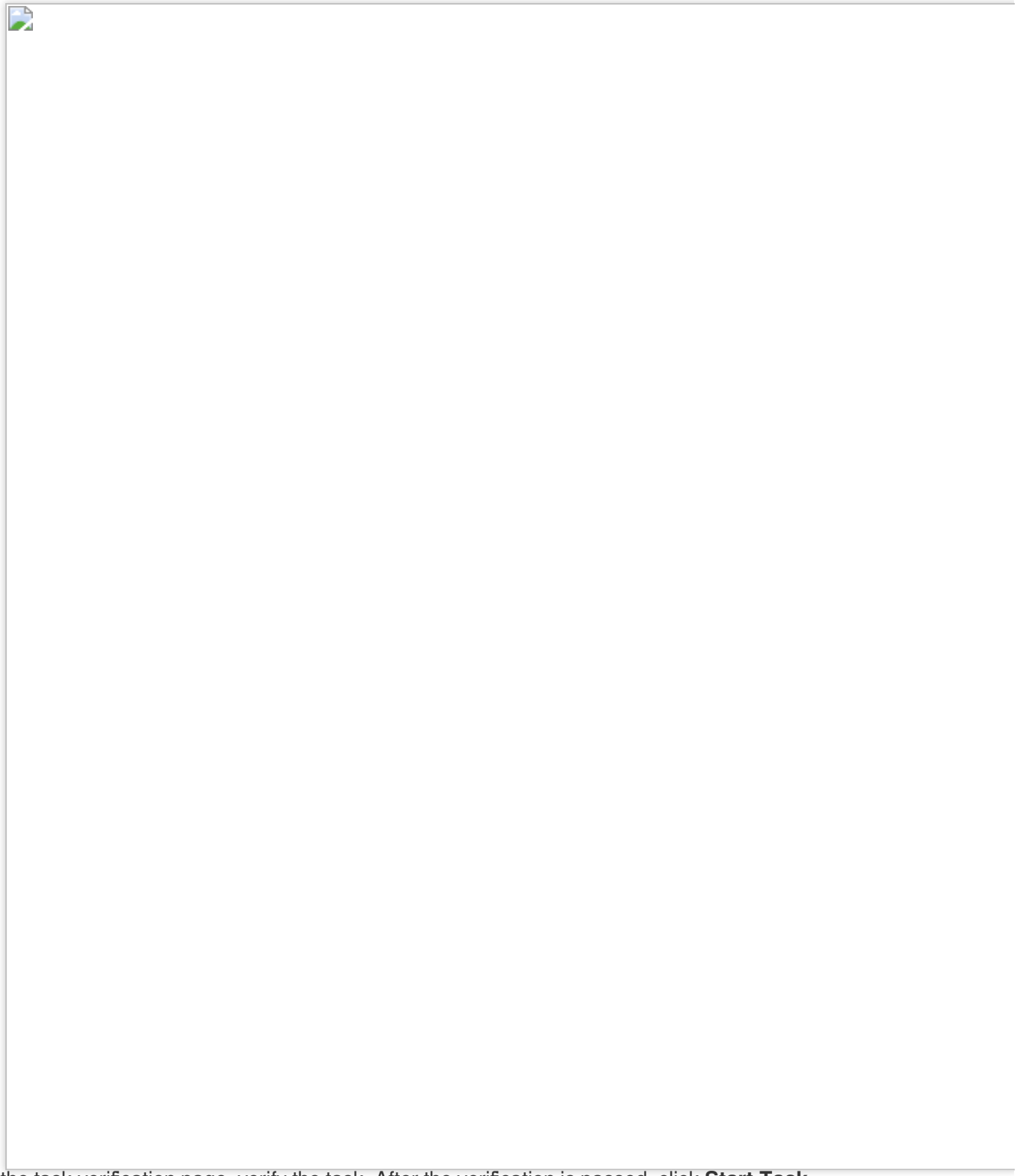

5. On the task verification page, verify the task. After the verification is passed, click **Start Task**.
If the verification failed, you can view the specific check items and failure causes, fix the problem as prompted, and initiate the verification task again.

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6. Return to the data migration task list, and you can see that the task has entered the **Preparing** status. After 1–2 minutes, the data migration task will be started.

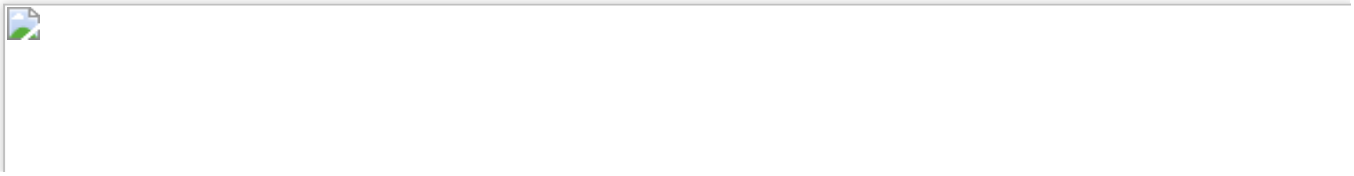
Select **Structural migration** or **Full migration**: Once completed, the task will be stopped automatically.

Select **Full + Incremental migration**: After full migration is completed, the migration task will automatically enter the incremental data sync stage, which will not stop automatically. You need to click **Complete** to manually stop the incremental data sync.

Manually complete incremental data sync and business switchover at appropriate time.

Check whether the migration task is in the incremental sync stage without any lag. If so, stop writing data to the source database for a few minutes.

Manually complete incremental sync when the data gap between the target and the source databases is 0 KB and the time lag between them is 0 seconds.



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Data Sync Guide

Last updated：2022-09-02 15:04:25

References

Data Sync Overview
Databases Supported by Data Sync

Overall process

Serial Number	Operation Process	Description
1	Prepare	Before creating a data sync task, you need to prepare the source and target databases and a network environment as instructed in Overview to meet the environment requirements.
2	Create a data sync task	This section provides only a basic sample sync task. For more scenarios, see Data Sync from MySQL to TencentDB for MySQL.
3	View the sync progress or perform other operations	You can view the overall sync progress and perform operations such as verification and retry as instructed in Viewing Task. You can view various data sync metrics as instructed in Viewing Monitoring Metric.
4	Compare the sync items and stop the task	After the sync task is done, check whether the source and target database have the same content and manually stop the sync task as instructed in Stopping Task.

Sample data sync task

1. Log in to the data sync purchase page, select appropriate configuration items, and click **Buy Now**.
2. After successful purchase, return to the data sync list, and you can see the newly created data sync task. You need to configure it before you can use it.
3. In the data sync list, click **Configure** in the **Operation** column to enter the sync task configuration page.

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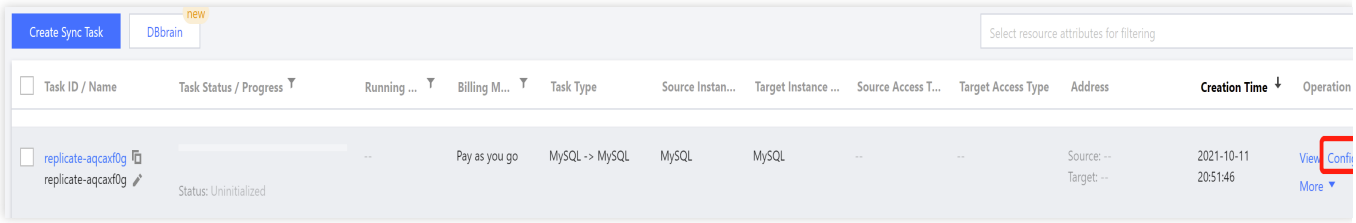

4. On the sync task configuration page, configure the source and target instances and their accounts and passwords, test the connectivity, and click **Next**.

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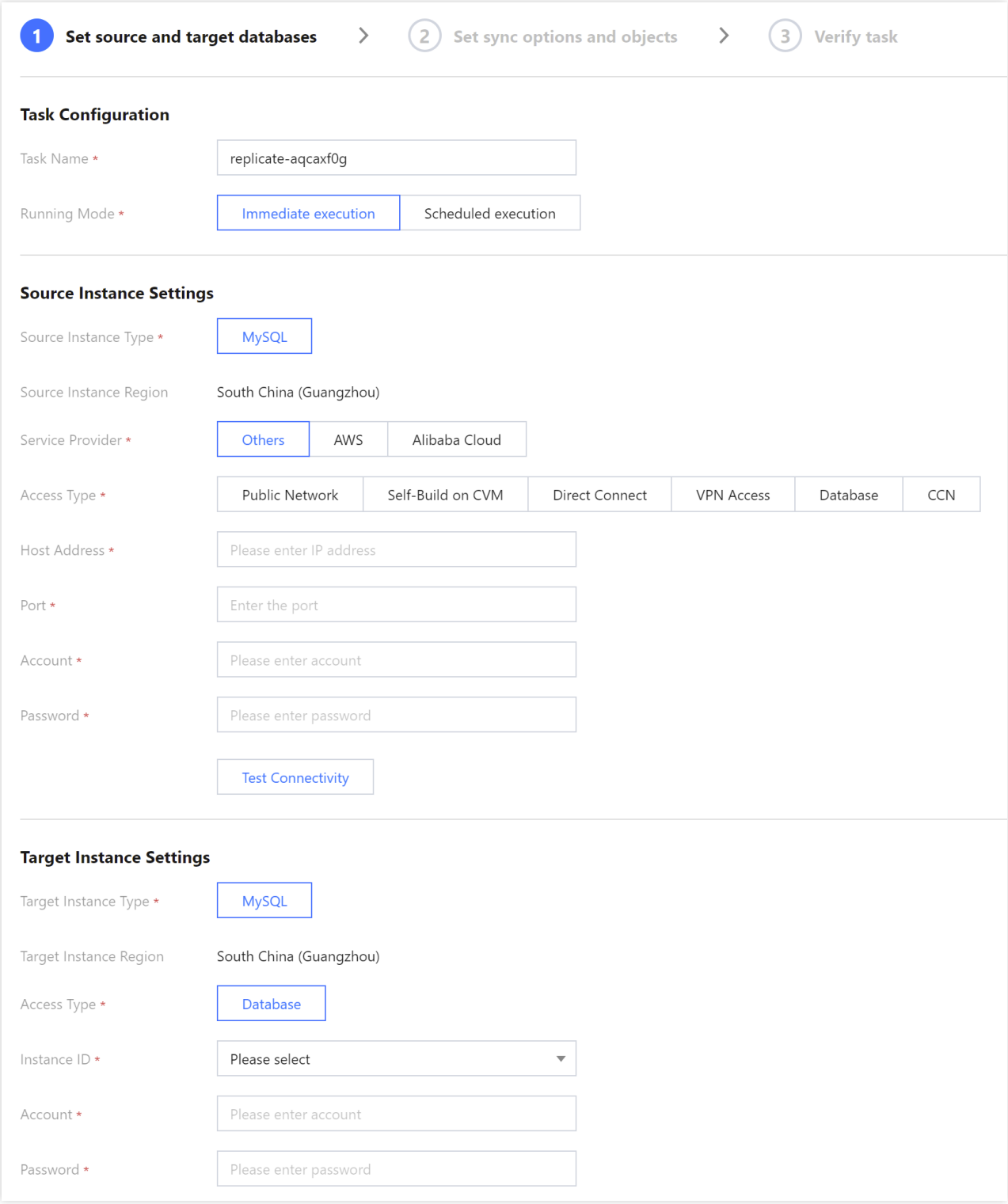

5. On the **Set sync options and objects** page, set the data initialization, data sync, and sync object options and click **Save and Go Next**.

able renaming: If needed, hover over the right side of a selected object, and the **Edit** icon will be displayed. Click it and then enter a new name in the pop-up window.

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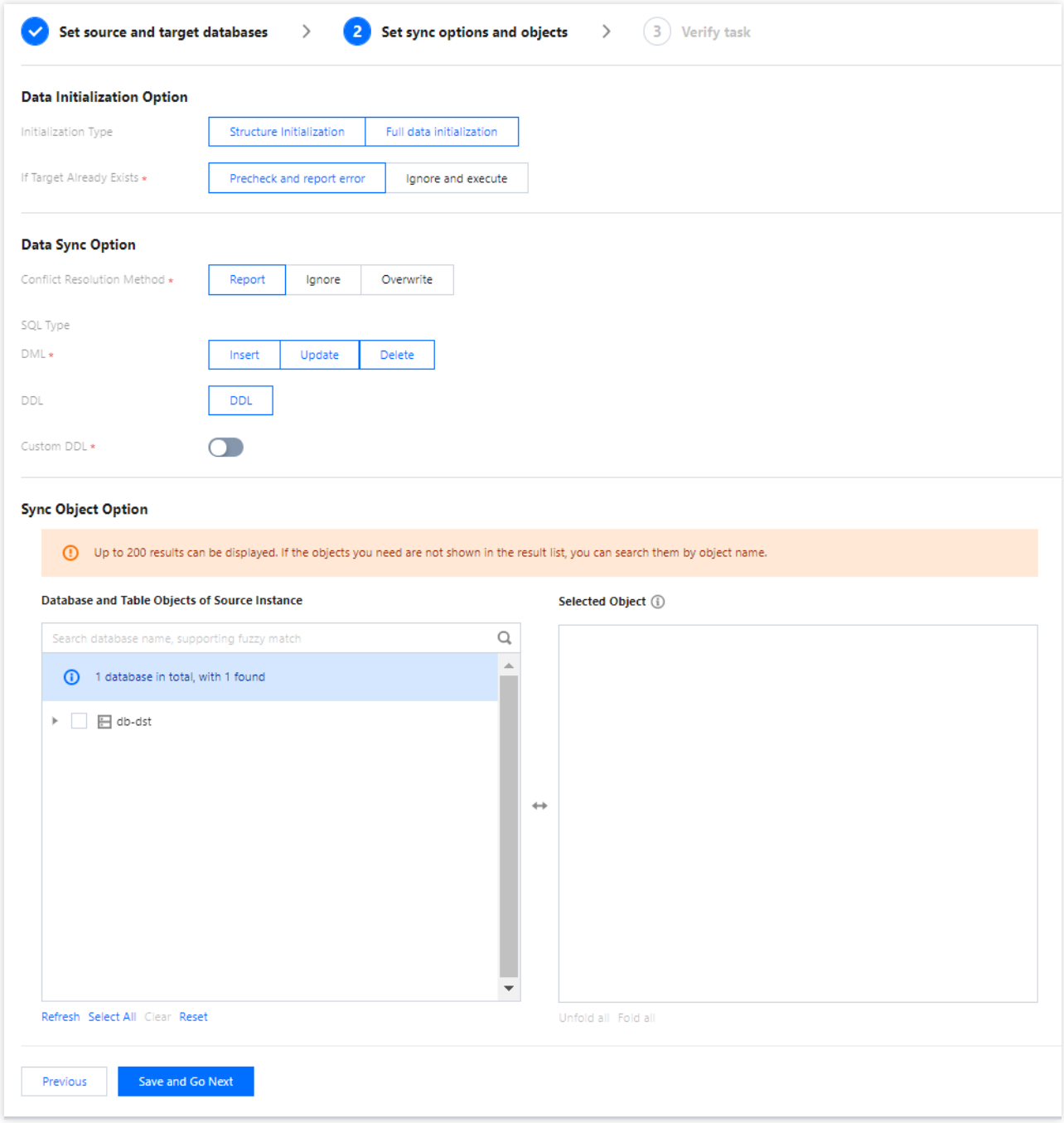

6. On the **Verify task** page, complete the verification. After all check items are passed, click **Start Task**.

Note:

If an alarm is displayed in the verification result, it will not affect the task start, but we recommend you click **View Details** to get the suggestions for adjustment.

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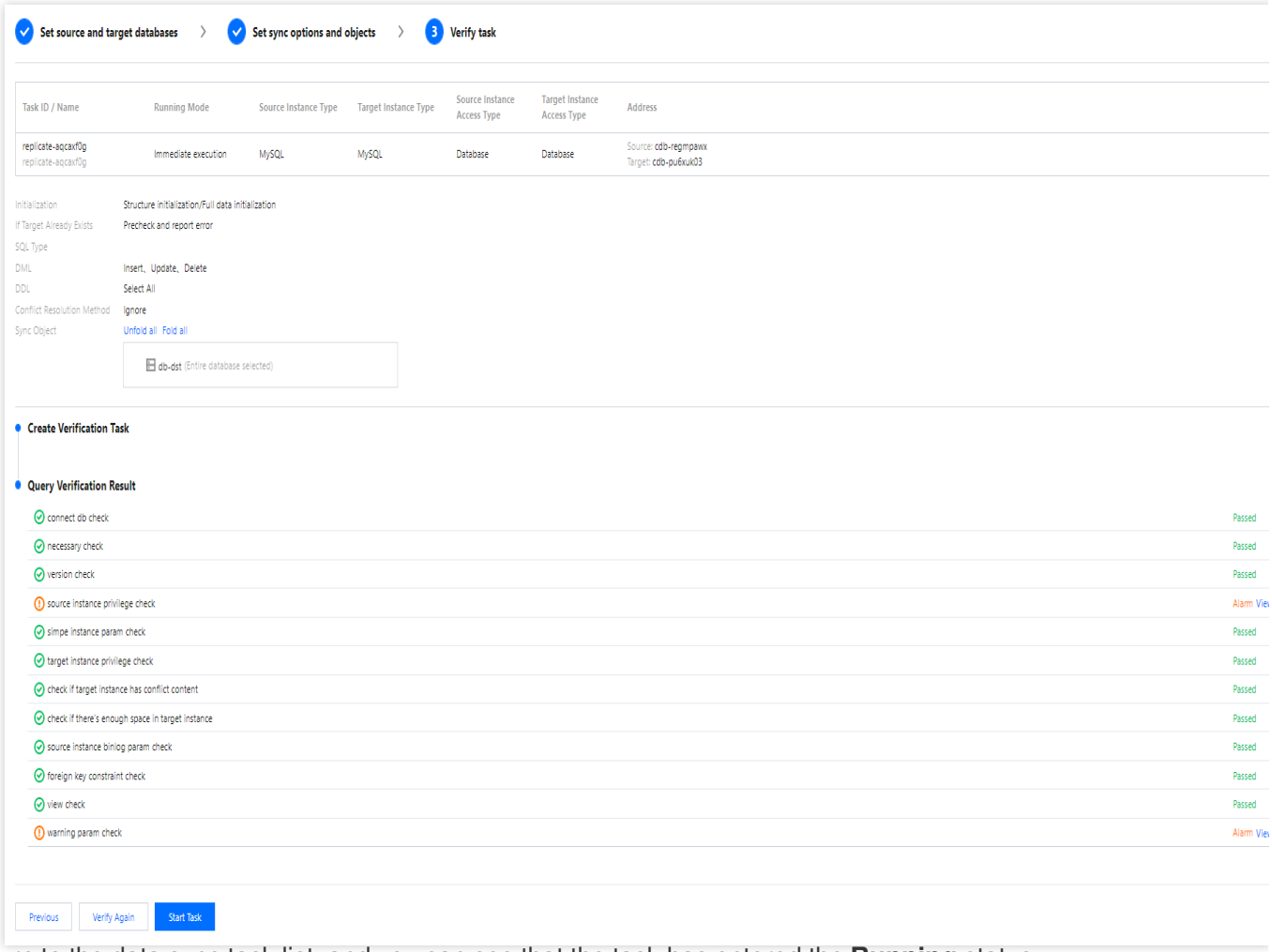
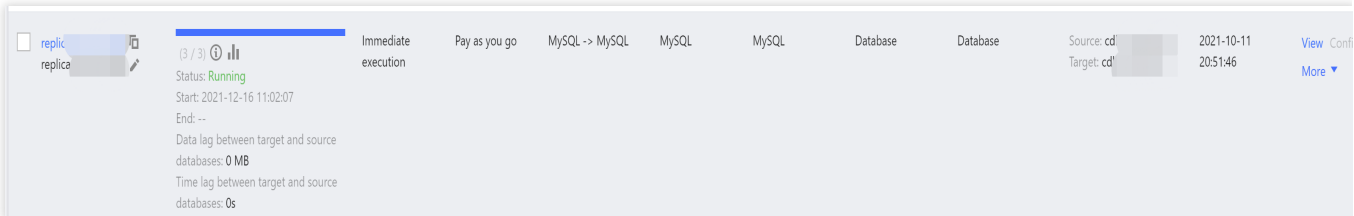


7. Return to the data sync task list, and you can see that the task has entered the **Running** status.

Note:

You can click **More** > **Stop** in the **Operation** column to stop a sync task. You need to ensure that data sync has been completed before stopping the task.



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Data Subscription Guide (Kafka Edition)

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References

Data Subscription (Kafka Edition).
Databases Supported by Data Subscription.

Overall Process

Step	Description
1. Prepare	Before creating a data subscription task, you need to prepare a network environment as instructed in Overview.
2. Create a data subscription task	This document only provides a basic sample subscription task. For more scenarios, see Creating MySQL or TDSQL for MySQL Data Subscription.
3. Manage the subscription task	For more information on operations such as modifying the subscription object, see Task Management.
4. Consume the subscribed data	Manage a consumer group and use the Kafka client to consume the data.
5. Stop the task	After the subscription task is completed, you need to manually stop it.

Sample Data Subscription Task

Note:

The following only summarizes the steps of configuring a data subscription task for your reference. For detailed directions, parameters, and operation limits, see Creating MySQL or TDSQL for MySQL Data Subscription.

1. Log in to the DTS console, select **Data Subscription** on the left sidebar, and click **Create Subscription**.
2. On the **Create Subscription** page, select the corresponding configuration and click **Buy Now**.
3. After successful purchase, return to the data subscription list. You need to click **Configure Subscription** in the **Operation** column to configure the newly purchased subscription before you can use it.
4. On the **Subscription Configuration** page, select the appropriate configuration items and click **Next**.
5. On the **Subscription Type and Object** page, select a subscription type and click **Save**.

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6. On the **Pre-verification** page, a pre-verification task will run for 2–3 minutes. After the pre-verification is passed, click **Start** to complete data subscription task configuration.

Note

If verification fails, modify the task in the instance to be subscribed to as prompted and initiate the verification again

7. After you click **Start**, the subscription task will be initialized, which will take 3–4 minutes. After successful initialization, the task will enter the **Running** status.

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