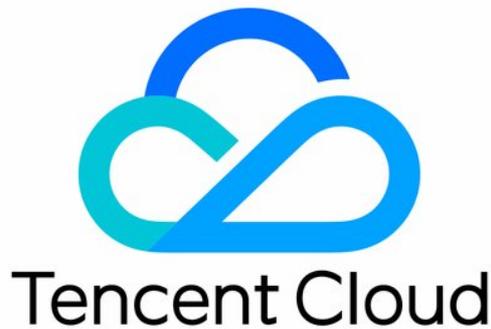


# TencentDB for CTSDB

## Client

### Product Documentation



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## Client

SDK Reference

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# Client SDK Reference

Last updated : 2025-04-29 23:12:40

TencentDB for CTSDB 3.0 is natively compatible with the [open-source InfluxDB v1.7](#). The open-source community has provided Client SDK for TSDB For InfluxDB® in multiple languages, as listed below. For more Client SDKs, see [InfluxData](#).

## Go

[InfluxDB Client](#)

## Java

[influxdb-java](#)

## JavaScript/Node.js

[node-influx](#)

## PHP

[influxdb-php](#)

[InfluxDB PHP SDK \(influxdb-php-sdk\)](#)

## Python

[InfluxDB-Python \(influxdb-python\)](#)

## Ruby

[influxdb-ruby](#)

Influxer (influxer)

# influx CLI Client

Last updated : 2025-04-30 16:33:26

The influx CLI Client is a command-line interface tool for interacting with the database. You can use it to write data and perform interactive queries.

## Prerequisites

1. Log in to the [Cloud Virtual Machine Console](#) and purchase a CVM. You can [Customizing Linux CVM Configurations](#) or [Customizing Windows CVM Configurations](#).
2. Tencent Cloud CVM should be in the same VPC network as TencentDB for CTSDB 3.0 instance.
3. Configure **outbound rules** in the security group of Tencent Cloud CVM. Add the IP and port of TencentDB for CTSDB 3.0 to the outbound rules. Configure **inbound rules** in the security group of TencentDB for CTSDB 3.0 and add the IP and port of the CVM to the inbound rules. For operation details, see [Security Group](#).

## Downloading the influx CLI Client

1. Download the [influxdb-1.8.10\\_linux\\_amd64.tar.gz](#) compressed package and upload it to the Linux server.
2. Execute `tar xvfz influxdb-1.8.10_linux_amd64.tar.gz` to decompress the compressed package.

## Connecting to the Database

Enter the influx CLI path and execute the following command to connect to the TencentDB for CTSDB 3.0 instance.

```
./influx -host <DB_HOST> -port <DB_PORT> -username <USERNAME> -password <PASSWORD>
```

-username: a created user account.

-password: password corresponding to the user account.

-host: access address of the instance. Configure it as the private network access address of TencentDB for InfluxDB version.

-port: network port. The VPC network uses 8086.

The execution example is as follows:

```
./influx -host 10.0.1.7 -port 8086 -username ctsdbi-m35uo1e8 -password test@123
```

## Using the Database

You can directly use database language to create databases, manage databases, and write data.

### 1. Creating a database

Execute the following statement to create a time-series database named `time_series_test_db1` with permanent data retention:

```
CREATE DATABASE time_series_test_db1 .
```

Execute the following statement to create a time-series database named `time_series_test_db2`, which enables data expiration and sets the data retention period to 30 days:

```
CREATE DATABASE time_series_test_db2 WITH DURATION 30d .
```

To query the created database, execute `show databases`.

### 2. Writing data to the database

No.	Execution Steps	Execution Statements	Returned Information
1	Designating a database	<code>use time_series_test_db</code>	<code>Using database time_series_test_db</code>
2	Inserting data	<code>INSERT test_ctsdb, cap_id=king value=2</code>	-
3	Querying data	<code>show measurements</code>	<code>name: measurements name ---- test_ctsdb</code>

For more data writing methods, see [Download and write the data to InfluxDB](#). Next, you can use various query statements to query the required time series data. For specific query syntax, see [InfluxQL Compatibility](#).