

**DOCUMENTDB SETUP GUIDE**

**The Below requirements are needed to establish a connection documentdb.**

**Prerequisites**

Prerequisiteslink  
To connect your DocumentDB to Fivetran, you need:  
  
DocumentDB version 4.0 or higher  
Your database primary instance's IP (e.g., 1.2.3.4) or domain (your.server.com)  
Your database's port (usually 27017)  
An SSH server  
  
  
NOTE: Fivetran can't connect to DocumentDB replica instances because DocumentDB does not support reading change streams from replica instances. We need change streams to perform incremental updates.

**Setup Guide**

1. Connect to DocumentDB

* IMPORTANT: Fivetran can only connect to DocumentDB using SSH tunneling.
* Fivetran connects to a separate server in your network that provides an SSH tunnel to your DocumentDB primary instance .
* To connect using SSH, configure your firewall and/or other access control systems to allow incoming connections to your DocumentDB port (usually 27017) from your SSH tunnel server's IP.
* Before you proceed to the next step, you must follow our SSH connection instructions.

1. Create user

* Create a database user for Fivetran using the DocumentDB Mongo shell.
* Open the Mongo shell.
* Connect to your primary node as an admin user.
* Go to the admin database.
* Execute the following command to create a user for Fivetran. Replace <username> and <password> with a username and password of your choice.
* use admin

|  |
| --- |
| db.createUser({  user: "<username>",  pwd: "<password>",  roles: [ "readAnyDatabase" ]  }) |

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1. Enable change streams

* Fivetran uses change streams to perform incremental updates. You must explicitly enable change streams for all of the collections that you want Fivetran to sync.
* Follow Amazon DocumentDB's Enabling Change Streams instructions to enable change streams.

1. Set change stream log retention duration

* Set the change stream log retention duration so that it can retain at least 48 hours' worth of changes. We recommend increasing the size to retain seven days' worth of data.
* Follow Amazon DocumentDB's Modifying the Change Stream Log Retention Duration instructions to adjust your change stream log retention duration.

1. Finish Fivetran configuration

* In your connector setup form, enter a destination schema prefix. This prefix applies to each replicated schema and cannot be changed once your connector is created.
* In the Host and ports field, enter the hostname and port number for your primary node. This should be a hostname or IP address that is appended by a colon and the port number (for example, server.example.com:27017 or 1.2.3.4:27017).
* NOTE: Do not include any path contents after the top-level domain in this URL.
* Enter the Fivetran-specific user that you created in Step 2.
* Enter the password for the Fivetran-specific user that you created in Step 2.
* Provide the following SSH tunnel information:
* SSH hostname (do not use a load balancer's IP address/hostname)
* SSH port
* SSH user
* If you want Fivetran to tunnel SSH over TLS, set the Require TLS through tunnel toggle to ON.
* Click Save & Test. Fivetran tests and validates our connection to your DocumentDB primary instance. Upon successful completion of the setup tests, you can sync your data using Fivetran.

1. Setup tests

* Fivetran performs the following tests to ensure that we can connect to your DocumentDB primary instance and that it is properly configured:
* The Connecting to SSH Tunnel Test validates the SSH tunnel details you provided in the setup form. It then checks that we can connect to your database using the SSH Tunnel.
* The Connecting to Host Test validates the database credentials you provided in the setup form. It then verifies that the database host is not private and checks that we can connect to the host.
* The Validating Certificate Test generates a pop-up window where you must choose which certificate you want Fivetran to use. It then validates that certificate and checks that we can connect to your database using TLS.
* The Connecting to Database Test connects to your database instance and verifies that your database is at least version 4.0. It then checks that we can access the schemas in your database. Lastly, it verifies that change stream feature is enabled for at least one collection.
* NOTE: The tests may take a few minutes to finish running.

