

TimeScale DB

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5:28 PM

- [TimescaleDB extension \(Enabled on 3/18/2019\)](#)

More information: <https://docs.microsoft.com/en-us/azure/postgresql/concepts-extensions#timescaledb>

Top voted item on our UserVoice and it is part of some popular end-to-end solutions such as IoT one.

TimescaleDB is an open-source time-series database optimized for fast ingest and complex queries. time-series databases like TimescaleDB typically leverage:

Time-centric: Data records always have a timestamp.

Append-only: Data is almost solely append-only (INSERTs).

Recent: New data is typically about recent time intervals, and we more rarely make updates or backfill missing data about old intervals.

TimescaleDB is implemented as an extension on PostgreSQL, which means that a Timescale database runs within an overall PostgreSQL instance.

More Information:

[What Is Time-series Data?](#)

[Architecture & Concepts](#)

[Why Use TimescaleDB over Relational DBs?](#)

[Power IoT and time-series workloads with TimescaleDB for Azure Database for PostgreSQL](#)

Internal Information:

From engineering perspective, this is the second extension we added that requires server restart in order to be enabled. However, the first one – pg_stat_statements – is preloaded on all servers unlike TimescaleDB. In order to enable TimescaleDB you need to change shared_preload_libraries server parameter and then restart your Azure Database for PostgreSQL server.

Need to change one server parameter (add 'timescaledb' to shared_preload_libraries) and then restart your Azure Database for PostgreSQL server.

Extension is supported on PostgreSQL 9.6 and 10.

Process to enable is described [on this documentation page](#).

PG Presentation

Azure Database for PostgreSQL - TimescaleDB Extension

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How to proceed if you get a Support Ticket on PostgreSQL Extensions

All questions about extensions functionality not specific to Azure Database for PostgreSQL service should be directed to respective extension support/community forum.

[Steps to enable](#) it on Azure Database for PostgreSQL are specific to Azure Database for PostgreSQL, so support should be provided if customer can't complete these steps

The questions that we need to handle for all extensions including TimescaleDB are

- Extension availability in Azure Database for PostgreSQL
- How to enable/disable them

CSS engineers will pass issues and questions customers may ask on to PG via ICM : **(need to add ICM Instructions)**

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How good have you found this content?

