

TimescaleDB Update

```
[root@intpostgresql ~]# sudo -u [REDACTED] -i psql
psql (14.6, server 12.13)
Type "help" for help.

[REDACTED]=# \c [REDACTED]
psql (14.6, server 12.13)
You are now connected to database "[REDACTED]" as user "[REDACTED]".
[REDACTED]=# \dx

List of installed extensions
Name | Version | Schema | Description
-----+-----+-----+-----
plpgsql | 1.0 | pg_catalog | PL/pgSQL procedural language
timescaledb | 2.8.0 | public | Enables scalable inserts and complex queries for time-series data
```

Ajouter le proxy avec la commande export

Yum update

```
Package Arch Version Repository Size
-----+-----+-----+-----+-----
Updating:
timescaledb-2-loader-postgresql-12 x86_64 2.11.2-0.el7 timescale_timescaledb 85 k
timescaledb-2-loader-postgresql-14 x86_64 2.11.2-0.el7 timescale_timescaledb 88 k
timescaledb-2-postgresql-12 x86_64 2.11.2-0.el7 timescale_timescaledb 2.7 M
timescaledb-2-postgresql-14 x86_64 2.11.2-0.el7 timescale_timescaledb 2.8 M
timescaledb-tools x86_64 0.14.3-0.el7 timescale_timescaledb 2.8 M
Transaction Summary
-----
Upgrade: 5 Packages
Total download size: 8.5 M
Is this ok [y/d/N]: n
```

Installation à la mano:

yum update timescaledb-2-postgresql-12

systemctl restart postgresql-12

timescaledb-tune --pg-config=/usr/pgsql-12/bin/pg_config

```
[root@intpostgresql ~]# timescaledb-tune --pg-config=/usr/pgsql-12/bin/pg_config
Using postgresql.conf at this path:
/var/lib/postgres/data/postgresql.conf

Is this correct? [(y)es/(n)o]: y
Writing backup to:
/tmp/timescaledb_tune.backup202309071132

success: shared_preload_libraries is set correctly

Tune memory/parallelism/WAL and other settings? [(y)es/(n)o]: y
Recommendations based on 15.51 GB of available memory and 8 CPUs for PostgreSQL 12

Memory settings recommendations
Current:
work_mem = 10167kB
Recommended:
work_mem = 5083kB
Is this okay? [(y)es/(s)kip/(q)uit]: s
warning: memory settings left alone, but still need tuning

Parallelism settings recommendations
Current:
timescaledb.max_background_workers = 8
max_worker_processes = 15
max_parallel_workers_per_gather = 2
missing: max_parallel_workers
Recommended:
timescaledb.max_background_workers = 16
max_worker_processes = 27
max_parallel_workers_per_gather = 4
max_parallel_workers = 8
Is this okay? [(y)es/(s)kip/(q)uit]: y
success: parallelism settings will be updated

WAL settings recommendations
Current:
Recommended:
Is this okay? [(y)es/(s)kip/(q)uit]: s
warning: WAL settings left alone, but still need tuning

Background writer settings recommendations
Current:
Recommended:
Is this okay? [(y)es/(s)kip/(q)uit]: s
warning: background writer settings left alone, but still need tuning

Miscellaneous settings recommendations
success: miscellaneous settings are already tuned
Saving changes to: /var/lib/postgres/data/postgresql.conf
```

sudo -u "user" -i psql

\c database

\dx

ALTER EXTENSION timescaledb UPDATE;

```
:=# \dx

          List of installed extensions
  Name      | Version | Schema  | Description
-----+-----+-----+-----
 plpgsql    | 1.0     | pg_catalog | PL/pgSQL procedural language
 timescaledb | 2.11.2  | public   | Enables scalable inserts and complex queries for time-series data
(2 rows)
```

\q

Infos supplémentaire:

Je vois bien la dernière version de timescaledb dans pg_available_extensions, mais la version installée sur la BDD reste toujours la 2.8.1.

```
mass=> select * from pg_available_extensions;
```

name	default_version	installed_version	comment
plpgsql	1.0	1.0	PL/pgSQL procedural language
timescaledb	2.11.2	2.8.1	Enables scalable inserts and complex queries for time-series data (Apache 2 Edition)

```
mass=> \dx
```

Liste des extensions installées			
Nom	Version	Schéma	Description
plpgsql	1.0	pg_catalog	PL/pgSQL procedural language
timescaledb	2.8.1	public	Enables scalable inserts and complex queries for time-series data

Il faudrait donc mettre à jour la version de timescaledb sur la BDD MASS.

Exemple :

- **ALTER EXTENSION timescaledb UPDATE TO '2.11.2';**

<https://www.postgresql.org/docs/12/sql-alterextension.html>

- Ou si ça ne fonctionne pas, désinstaller puis réinstaller :

DROP EXTENSION timescaledb CASCADE;

CREATE EXTENSION IF NOT EXISTS timescaledb;

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