Backups in PostgreSQL (code: PgSQL-Backup)

Overview

Comprehensive training on safe *backup* methods of PostgreSQL databases. The course programme covers various techniques of making copies, ranging from basic, built-in tools to the advanced techniques which use special file systems.

As *the database size increases* the backup problem is becoming increasingly important and more difficult to solve at the same time. Our trainers show different approaches to the problem, focusing on the analysis of *the business costs and benefits* of every of them. Equally important part of the correctly implemented backup system is *monitoring* which is also discussed during the training.

We introduce **practical solutions** that have actually worked in existing applications. At last, the database administrator motto is "successful copies do not exist, there are only their successful restorations."

Our instructors have many years of experience with PostgreSQL, both as administrators and as programmers. One of our trainers is a **PostgreSQL contributor** and a regular speaker at the world's largest conference on the topic.

Duration

1 day

Agenda

1. Backups
   — _pg_dump_program
      — Backups formats
      — Restoring data from a copy, including partial restoring
   — _pg_dumpall_program
      — Backing up users and permissions
2. Advanced backup techniques
   — PostgreSQL operation log working
   — WAL logs archiving (log shipping)
   — _pg_basebackup_ program
   — Parallel mode for_pg_dump_
   — Point In Time Recovery
   — Backup at the file system's level
3. The most common problems
   — High disk load during backup
   — Lack of space for the blocks
   — Backuping the replication system
   — Monitoring, backup correctness verification

Target audience and prerequisites

We assume our students have basic PostgreSQL user's knowledge.

Certificates

Course participants receive completion certificates signed by ALX.

Locations

— Warsaw (English) – Jasna 14/16A
— Online (English) – your home, office or wherever you want
— any other location (London, UK, EU) on request

Price

490 EUR

The price includes:

— course materials,
— snacks, coffee, tea and soft drinks,
— course completion certificate,
— one-time consultation with the instructor after course completion.