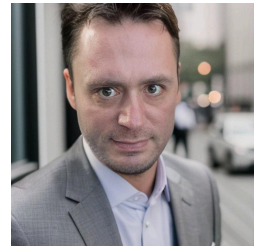


Gilles Fauvie

Linux sysadmin - Open Source Databases Administrator



PERSONALIA

- Full name : Gilles Constant Jean-Henri Fauvie
- Phone : +32 487 18 16 51 / Email : gilles@dbfactory.io
- Nationality : Belgian
- Born : July 2nd 1979

EDUCATION

- DALIBO, Paris, France – PostgreSQL Database Administrator – 2012-2013 ;
- Solvay Business School, Brussels, Belgium - Entrepreneurship Program, 2010-2012 ;
- BULL/VIDIAN, Brussels, Belgium, - Web Access Manager & Safekit, 2010 ;
- TIPTTEL, Zaventem, Belgium, - VoIP, 2010 ;
- ULB, Brussels, Belgium, - Quality Manager ISO9000, 2002 ;
- HECE, Hainaut, Belgium, - Bachelor in Computing Technology, 2001 ;
- I.N.D, Hainaut, Belgium, - High school diploma in Sciences/Mathematics, 1998 ;

RELATED EXPERIENCE

- DBA/Linux Sysadmin at EUROCLEAR S.A, Bruxelles, Belgium, 2023/09 – 2025/02
 - PostgreSQL optimization / Backup / HA / Disaster Recovery / Load Balancing
 - Ansible automation for PostgreSQL deployment
 - Training sessions and documentation
 - Management servers (pgadmin, pgbadger, POWA)
- DBA/Linux Sysadmin at TUC RAIL, Bruxelles, Belgium, 2022/10 – 2023/06
 - PostgreSQL optimization / Backup / HA / Disaster Recovery
 - Linux RHEL administrator
- DBA at NETHIS, Charleroi, Belgium, 2022/06 – 2022/09
 - PostgreSQL optimization / Backup / HA / Disaster Recovery
- DBA at IPEX, Tubize, Belgium, 2021/10 – 2022/09
 - Linux System Engineer (Debian)
 - MySQL setup / Backup / Disaster Recovery
 - Elasticsearch DBA
- DBA at Interieur Binnenland Zaken (IBZ – Direction Générale Institution et Population), Brussels, Belgium, 2005/09 – 2020/11 – Contact : Mr Eric Roelandt, email : eric.roelandt@rrn.fgov.be – <http://www.ibz.be>
 - Linux System Engineer (RHEL/UBUNTU/DEBIAN) ;
 - PostgreSQL Monitoring / Disaster recovery / Set up “homemade” software for full backup and Point In Time Recovery (PITR) to use NetBackup (not compatible with Barman or Pitrery);
 - Set up all the PostgreSQL dev environment to migrate from GCOS mainframe to LiberTP (product developed by Atos Phoenix based on JBOSS to replace mainframe);
 - Set up monitoring system: Munin and Nagios Enterprise Edition;
 - Set up a script for daily report to identify worst SQL request and find a way to fix it;
 - Set up a “degraded mode”: 2 PostgreSQL servers linked by FDW. Goal: to get the production up as soon as possible in case of disaster. PostgreSQL server 1: only text data (80% of production is up in this case), PostgreSQL server 2: binary data (photos, signatures of eld cards), (100% of production is up in this case);
 - Developing functions (PL/PGSQL and PL/Python) to verify data consistency and to be compatible with the mainframe GCOS;

- Set up PostgreSQL partitioning;
- Set up high availability using Virtual Ip Address and SAN (2 sites);
- Assistance to the developers for SQL queries;
- Creating Munin probe dedicated for PostgreSQL
(https://raw.githubusercontent.com/munin-monitoring/contrib/master/plugins/postgresql/postgres_tuplesratio);
- Managing all the PostgreSQL environments (dev, preprod, testing for final users, prod);
- Assistance for architecture and design of the PostgreSQL database;
- Migrating production data from a main version of PostgreSQL to a new one;
- Set up a frontend LDAP with backend PostgreSQL;
- Set up a Foreign Data Wrapper PostgreSQL <-> MongoDB;
- Set up slony replication, Wal replication, streaming replication and logical replication;
- Set up a script bash to get the last transaction in security even in case of crash disk;
- MongoDB cluster with high availability to save log messages (Syslog) and setup a bootstrap interface to have a way to get information “user-friendly”;
- Optimizing OS, memories, filesystems;
- Set up pooler (PG-POOL and PgBouncer);
- Providing training sessions;
- Link PostgreSQL to Web Access Manager (for eld authentication);
- Set up triggers for data consistency;
- Mondial Relay, Paris, France, 2018/01 – 2019/08 – Contact: Pierre Yves ROUZAUD, pyrouzaud@mondialrelay.fr – <http://www.mondialrelay.fr>
 - Set up high-availability (logical replication);
 - Set up backup (Barman and pg_receivexlog);
 - Disaster recovery;
 - PL/PGSQL;
 - Datawarehouse;
 - Set up triggers for data consistency;
- Ordre des barreaux francophones de Belgique, Brussels, Belgium, 2018 – Contact : Mr Philippe Dhondt, ph.informatique@avocats.be – <http://www.avocats.be>
 - Set up a high availability cluster;
 - Migration of 9 databases (from Oracle, MsSql) to one PostgreSQL cluster;

More projects available on demand: EVEA GROUP FRANCE, City of Charleroi, AGC EUROPE, British Telecom, ARSIA/AFSCA, ...

SKILLS

- General :
 - Ability to quickly learn and understand from self-study or analysis;
 - Good understanding of project management and change management;
 - Team player – listen, share, cooperate and learn together as a team;
 - IT knowledge : Linux (RHEL, Ubuntu, Gentoo, Fedora, Tails, ...), Open Source Integration, Python, TCP/IP, DNS, DHCP, Apache, Iptables, Nagios, Zabbix, Munin, Bash, FTP, Syslog, OpenVPN, TCPDUMP, NMAP, CARP, SamWEB (Evidian), Safekit (Evidian), PHP, C, KVM, ESX, PEN, X.509 Certificate, NTP, OpenLDAP, Network, Java J2EE.
 - PostgreSQL: High availability, backup, monitoring, audit (PgBadger, ...), pgpool, pgbouncer, pgbadger, POWA, pg_receivexlog, system tables, replication, monitoring, functions (PL/PGSQL, PL/Python), optimization, partitioning, triggers, alive/dead tuples, ACID, views, ;
 - MongoDB: clustering, sharding, backup, disaster recovery;

LANGUAGES

- French : native
- English : good working knowledge spoken and written
- Dutch : basic knowledge spoken and written