

From YAML or LDAP

Apply roles and privileges with ldap2pg



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@EtienneBersac from DALIBO (France)

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TITRE : Apply roles and privileges with ldap2pg

SOUS-TITRE : From YAML or LDAP

DATE: PgCon 2018

HOW DO YOU DO IT?

- Manually.
- Ad-hoc script.
- Ansible (*limited*).
- pg-ldap-sync (*slow, unmaintained*).

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WHY ROLES AND PRIVILEGES?

- Allows to manage default privileges on role creation.
- Allows to grant privileges from directory.

INTRODUCING LDAP2PG

- Simple and powerful configuration in YAML.
- Python 3, 2.7 and 2.6.
- Minimal dependencies: python-ldap, pycopg2 and pyyaml.
- Describe roles statically or from LDAP objects.

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HOW DOES IT WORK

- Introspect Postgres and query LDAP.
- Compare & Synchronise.
- Roles first, then privileges.

YAML SAMPLE

```
privileges:
  ro: [__connect__, __select__]

sync_map:
- role: me
- grant:
  privilege: ro
  role: me
```

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BE NICE WITH DBAS

- Meaningful messages.
- Dry run by default.
- Check mode alias audit mode.
- Logs every SQL queries.
- Logs LDAP queries as `ldapsearch` commands.