

From YAML or LDAP

# Apply roles and privileges with ldap2pg



PgCon 2018



@EtienneBersac from DALIBO (France)

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## **Apply roles and privileges with ldap2pg**

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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?

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

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## **WHY ROLES AND PRIVILEGES?**

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

## INTRODUCING LDAP2PG

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- 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

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



## YAML SAMPLE

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

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

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## BE NICE WITH DBAS

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

HOPE YOU'LL ENJOY IT!

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[github.com/dalibo/ldap2pg](https://github.com/dalibo/ldap2pg)

