

# Rotfang Foreign Data Wrapper

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# Rotfang?

- The Rotfang Conspiracy is [...] working to bring down the Ministry of Magic from within using a combination of Dark Magic and gum disease
  - Luna Lovegood

# Why?

- Because Random Data Generator Foreign Data Wrapper is too much of a mouthful
- And it's cooler

# Example

- create foreign table some\_data (  
    x text,  
    y int,  
    z bool  
) server rotfang;
- select \* from some\_data limit 1000;
  - Delivers random data

# How many rows?

- Default is 1m
- Settable option
  - alter foreign table some\_data options (add maxrows '100');

# Nulls?

- If fields are nullable generated 10% of values as NULL

# Data Types supported natively

- Currently
  - boolean
  - text
  - integer types
  - float8
  - bytea
- Will soon include numeric, varchar, timestamps and some others

# User supplied function

- Can override internal function or supply data for an unsupported data type
- create function random\_tstz(typmod int) returns timestampz language sql as  
\$\$ select now() + ((random() \* -20.0) \* interval '1 year') \$\$;
- create foreign table rts (ts timestampz, s text) server rotfang options (func\_ts 'random\_tstz');

# Where?

- <https://bitbucket.org/adunstan/rotfang-fdw>

# And in other news ...

- Redis FDW
  - now writable
  - now uses Redis cursors
  - See <https://github.com/pg-redis-fdw/redis-fdw>
  -
- Extension written in Rust
  - Not quite working but glue mechanism is working
  - Will be released soon