

pg  
as an application server:

**continuous** deployment  
and triggers issue

2018 Ottawa  
Lightning talks

- debug / test / **code coverage**

- **code deploy system**

- functions

- **trigger's functions**

# continues

- exclude side effects of deployment on production
  - **locks free**

# BlueGreenDeployment

- <https://martinfowler.com/bliki/BlueGreenDeployment.html>

- set search\_path

- = 'schema\_**next\_version**'

or

- = 'schema\_**diff\_to\_next\_version**', 'schema'

# trigger's functions

- <https://www.postgresql.org/docs/current/static/catalog-pg-trigger.html>
  - **tgfoid** — the function to be called

# trigger's functions

- super-general-wrapper function
  - pl language / c — by user / patch to community
  - <https://www.postgresql.org/docs/current/static/trigger-example.html>
  - <https://www.postgresql.org/docs/current/static/functions-trigger.html>
    - *suppress\_redundant\_updates\_trigger()*
  - <https://www.postgresql.org/docs/current/static/textsearch-features.html>
    - 12.4.3. Triggers for Automatic Updates:
      - tsvector\_update\_trigger(...)*
      - tsvector\_update\_trigger\_column(...)*

*create trigger my\_runtime\_search\_path\_trg before insert on my\_table  
for row execute procedure*

***runtime\_search\_path\_trg\_procedure\_executor('my\_trg\_func')***

# trigger's functions

- ? built-in option to declare

```
create trigger my_runtime_search_path_trg  
before insert on my_table for row execute  
procedure with search_path my_trg_func()
```

- and some issues related to triggers about cache invalidations still present in lists
  - <https://www.postgresql.org/message-id/20171030125345.1448.24038@wrigleys.postgresql.org>



thank you!

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