A close-up, black and white photograph of a fluffy cat with a mix of dark and light grey fur. The cat is lying on its side, facing towards the right of the frame. Its eyes are closed, and it has a serene, sleeping expression. The lighting is soft, highlighting the texture of its fur. The background is a plain, dark grey.

replicating **live** traffic
to **test** new code

Wouter de Vos
@wrdevos





Huge
changes
can be
scary

Like switching database
backends...

Postgres
over
Mysql





replicate **live** traffic
to **test** the new stack



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buger / gor ★ Star 1,627 Fork 85

branch: master gor / README.md

buger 12 days ago Fix readme

8 contributors

252 lines (179 sloc) 9.464 kb Raw Blame History

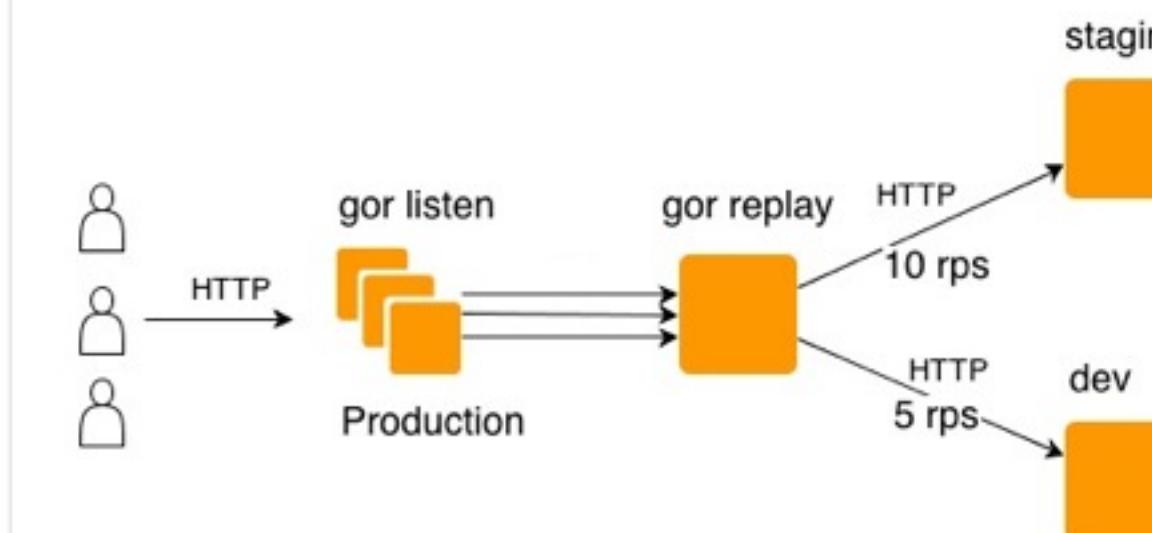
Ready 0 build passing

About

Gor is a simple http traffic replication tool written in Go. Its main goal is to replay traffic from production servers to staging and dev environments.

Now you can test your code on real user sessions in an automated and repeatable fashion. **No more falling down in production!**

Here is basic workflow: The listener server catches http traffic and sends it to the replay server or saves to file. The replay server forwards traffic to a given address.



Examples

Capture traffic from port

```
# Run on servers where you want to catch traffic. You can run it on each `web` machine.  
sudo gor --input-raw :80 --output-tcp replay.local:28020
```

```
# Replay server (replay.local).  
gor --input-tcp replay.local:28020 --output-http http://staging.com
```

Using 1 Gor instance for both listening and replaying

It's recommended to use separate server for replaying traffic, but if you have enough CPU resources you can use single Gor instance.

GOR

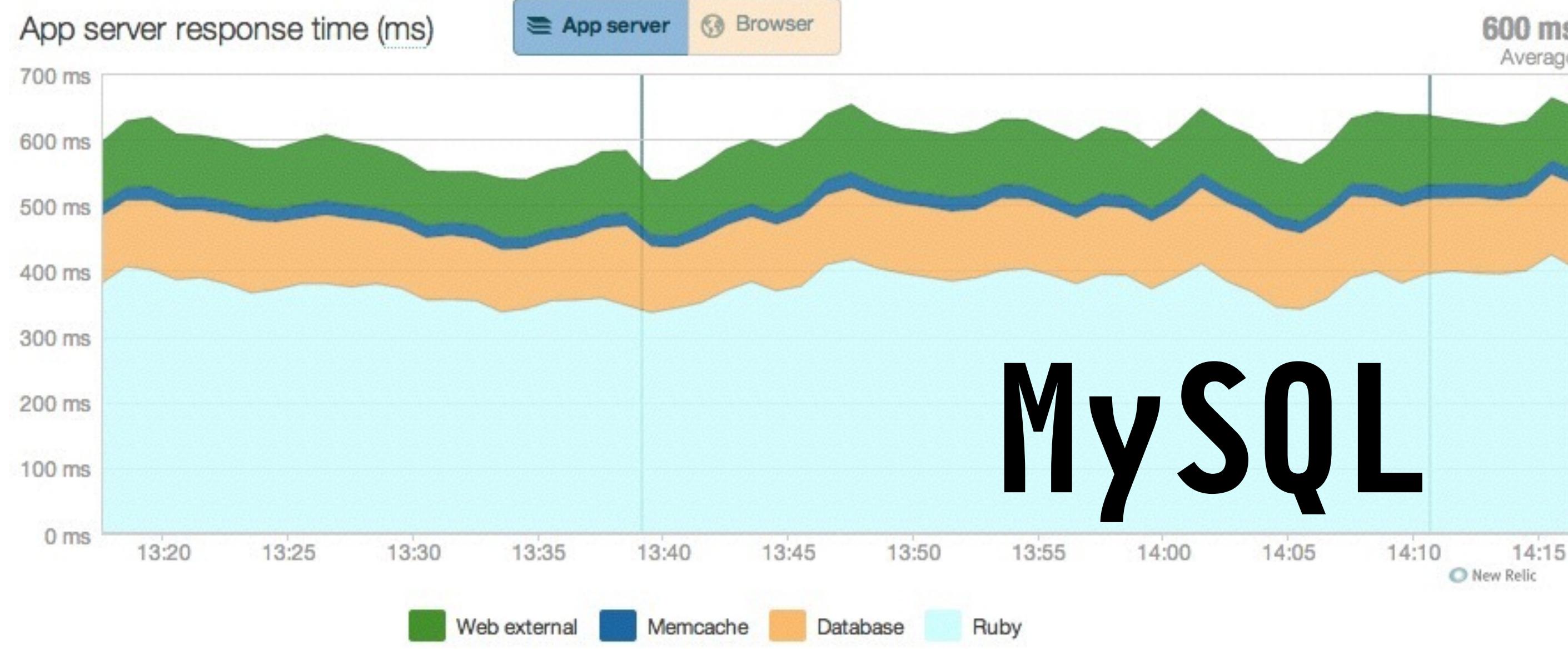
no
session
support.



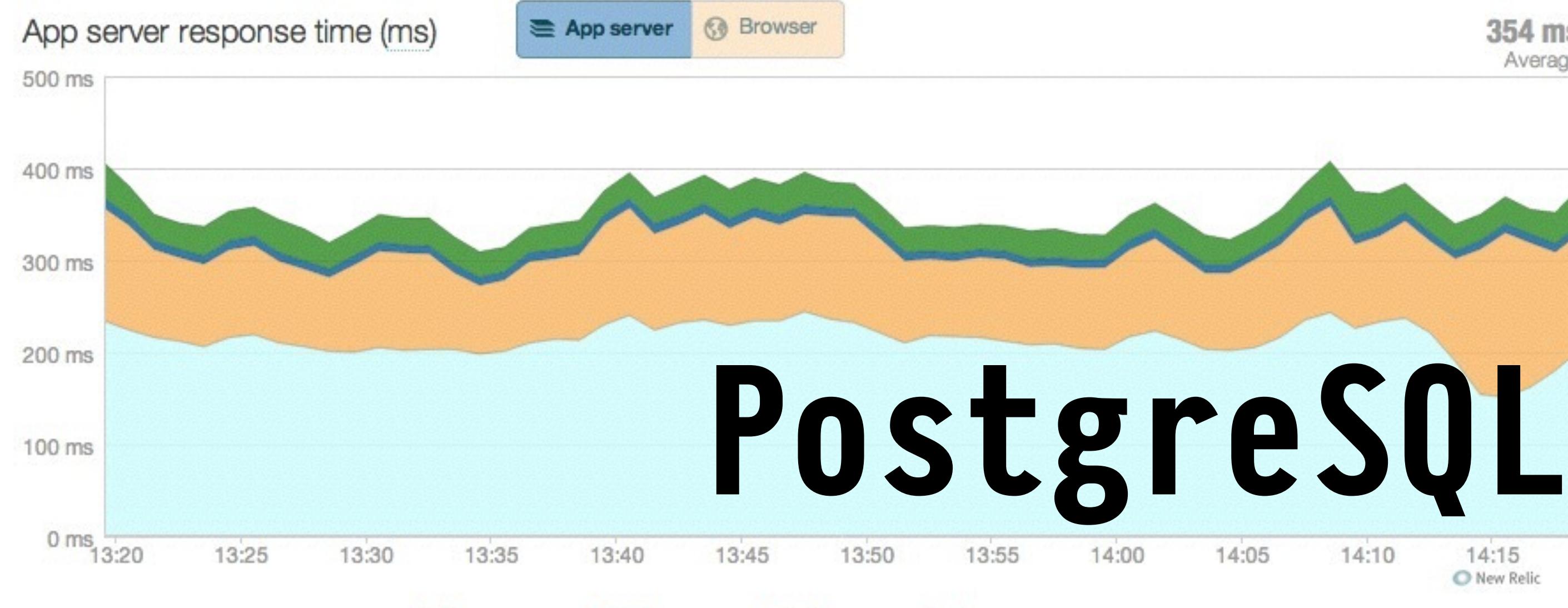


luckily,
we're
heavy on
reads.

(ratio 263:1)



VS



A close-up photograph of a cat's face, focusing on its eyes and nose. The cat has greenish-blue eyes and a white patch on its nose. The background is blurred.

Honestly?

still
guessing...



A close-up photograph showing the dark, textured fur of a dog's muzzle on the left, with its eyes closed. On the right, a small, brown, segmented beetle lies on its back on a light-colored wooden surface. The background is blurred with warm colors.

there might
still be bugs
we missed

WE MISSED

Rack:: Request Replication

a Rack
MiddleWare
that **replicates**
requests.



Rack:: Request Replication

Session persistence

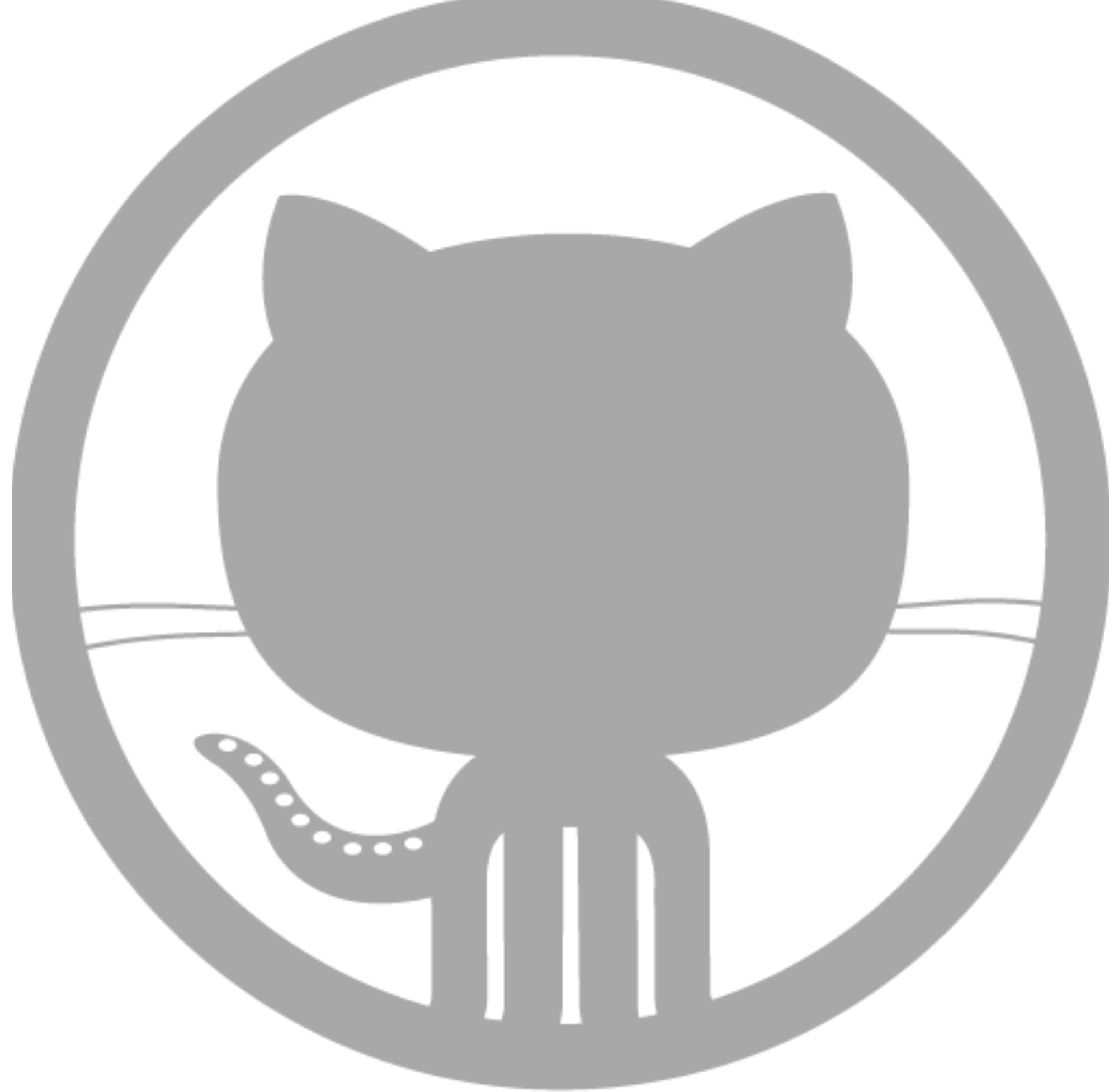
Supports CSRF
tokens

It's Ruby.



Rack:: Request Replication

Springest/rack-
request_replication



Thanks!

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