



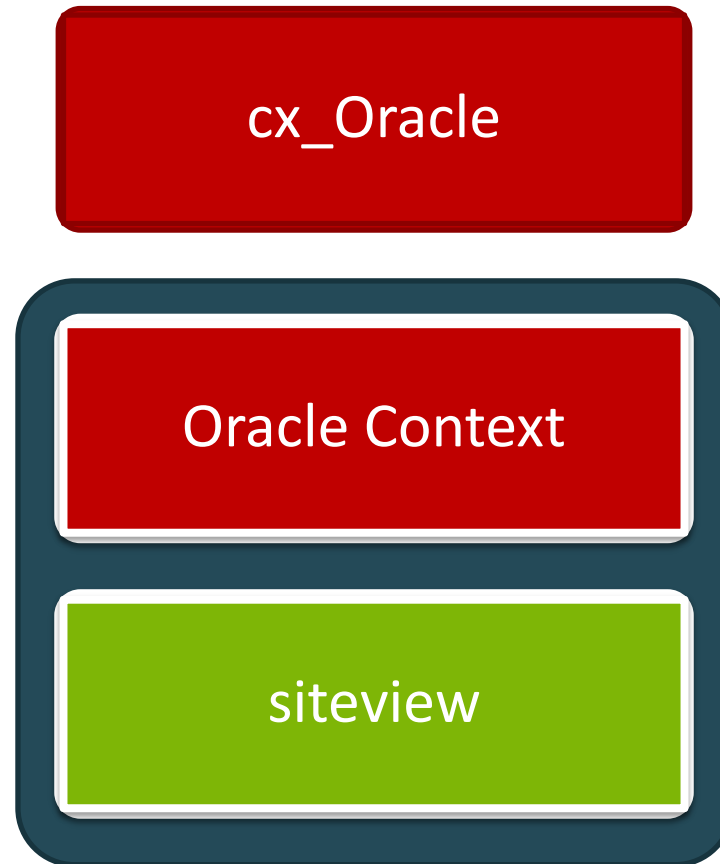
PostgreSQL plugin for SSB

Robert Vežnaver
IT/SDC

25th April 2014



architecture



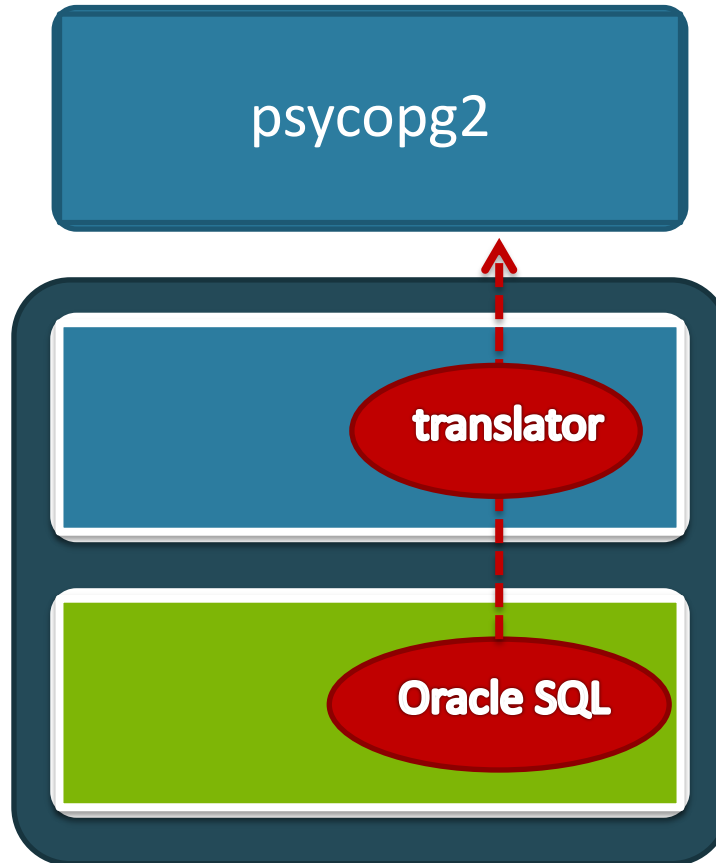
ideal solution

psycopg2

PostgreSQL Context

siteview

Oracle SQL

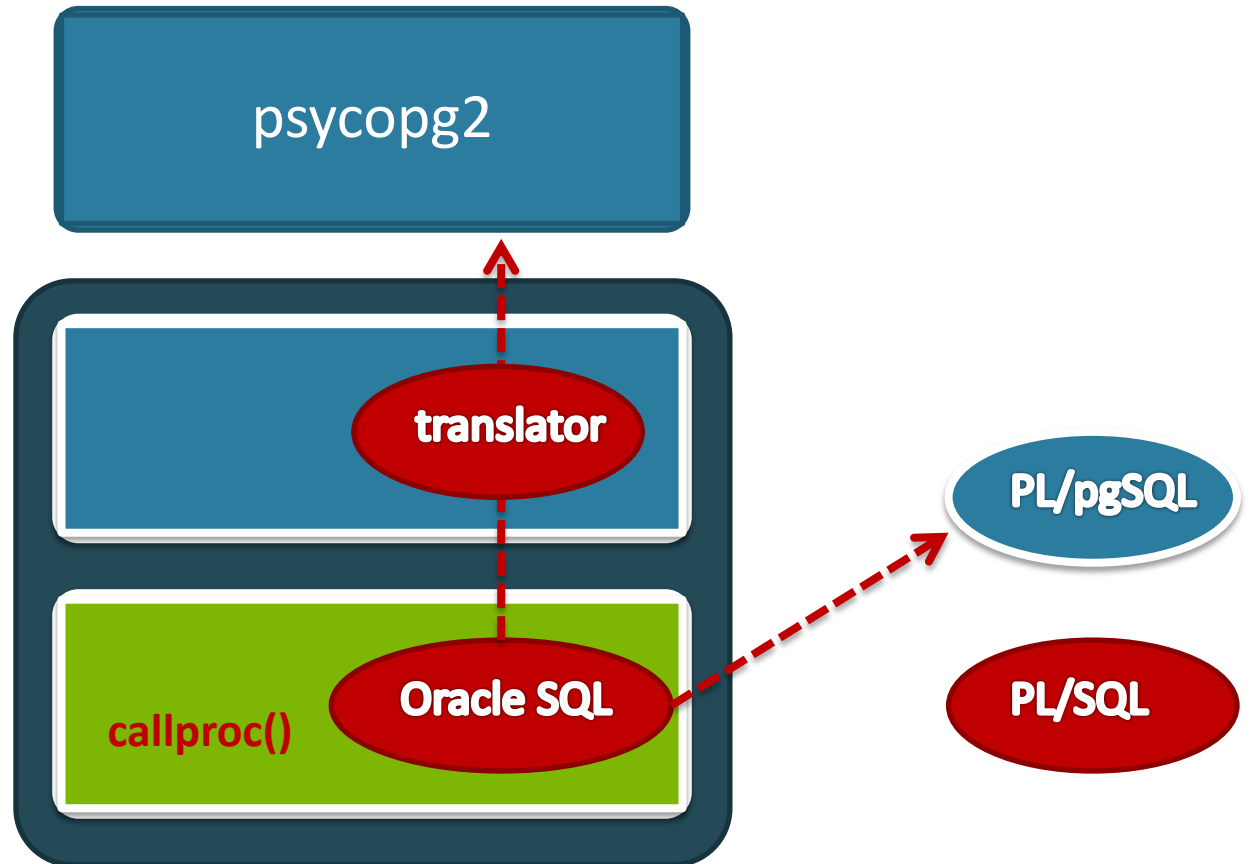


“false friends”

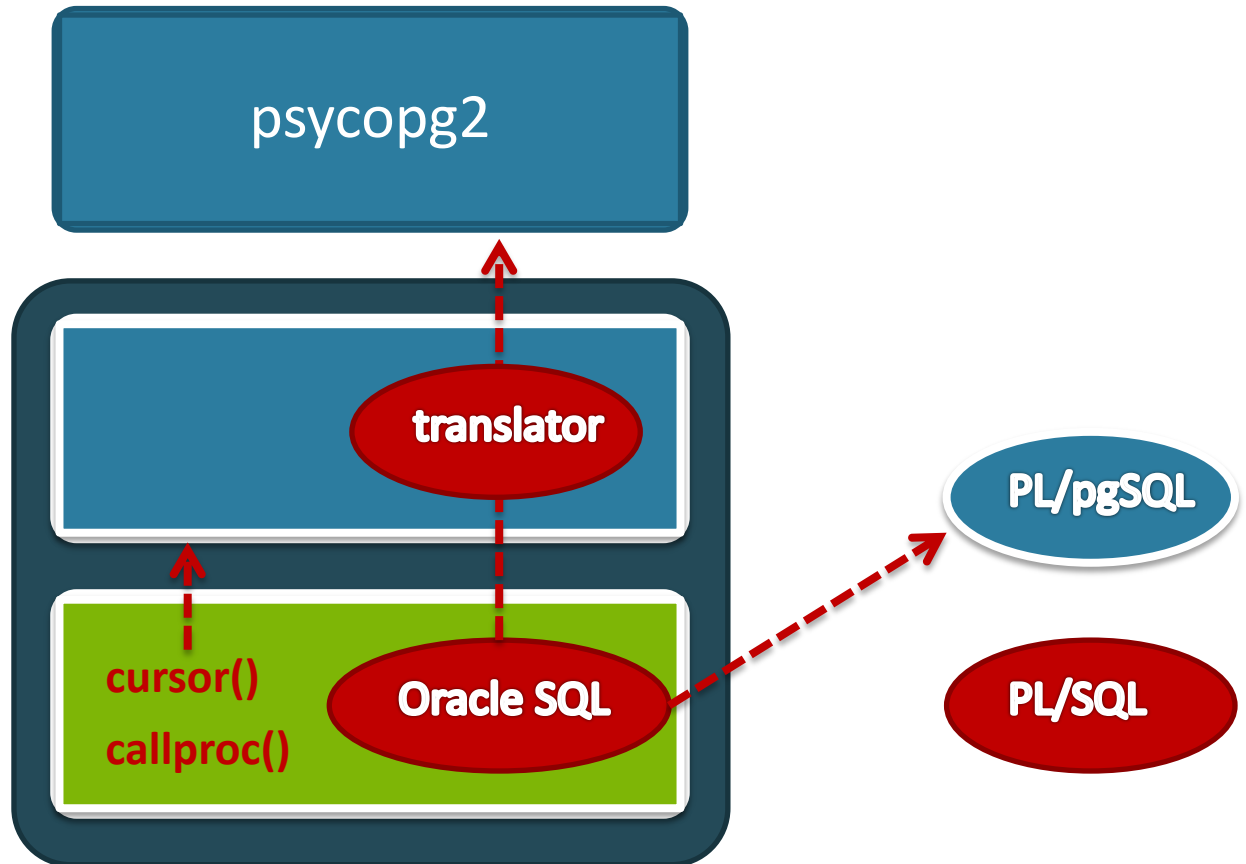
DECODE
NVL
ROWNUM
SET TIME_ZONE
SYS_EXTRACT_*
SYSDATE

variable binding
:var → %(var)s

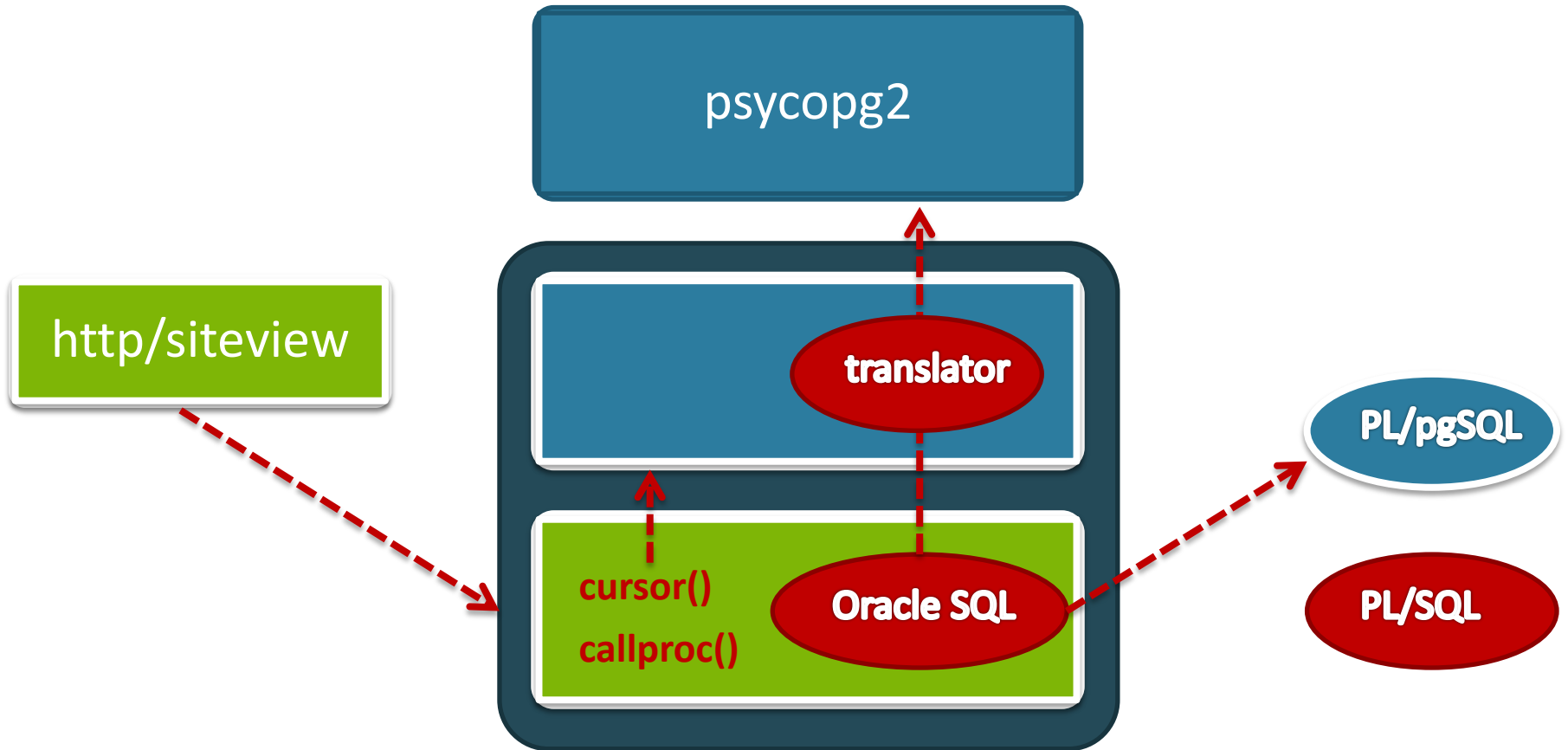
PL/SQL procedures



Bypassing context



Code consistency



Case sensitivity

- Oracle returns UPPERCASE, PostgreSQL returns lowercase
- Most columns in Oracle are CamelCase, but not all!
- Reserved SQL words used as names!
- Other modules get key/value list directly, therefore JavaScript code depends on case!

Proposed solution

- Create style guidelines document
- Rewrite SQL to ANSI
- Remove PL/SQL procedures
- Case sensitivity
 - use PostgreSQL with “CamelCase”, modify cursor for uppercase
 - make everything go through context mapper