

Internal Use OSS

Request: 7306

Created By: Scott Marcy

Status: Submitted

Product Group: Server App

Submit Date: 12/10/2014

OSS PROJECT INFORMATION

OSS Project Name: plpgsql_check

OSS Project URL: https://github.com/okbob/plpgsql_check

OSS Description:

plpgsql_check is next generation of plpgsql_lint. It allows to check source code by explicit call plpgsql_check_function.

PostgreSQL 9.2 is required, PostgreSQL 9.3 and 9.4 are supported

The SQL statements inside PL/pgSQL functions are checked by validator for semantic errors. These errors can be found by plpgsql_check_function:

License: Other/unknown

License Text:

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Note

If you like it, send a postcard to address

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License URL: https://github.com/okbob/plpgsql_check

Copyright Owner: [NOT USED]

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USAGE INFORMATION

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OSS Deployment Method: The OSS will be deployed on a restricted set of machines for my workgroup.

Specific Apple Project/Area: PostgreSQL | X Server

Estimated Date of Use: 01/05/2015

Planned Use:

To help validate some parts of Profile Manager's code. Other projects which use PostgreSQL will hopefully also use this.

Storage Method: The source code will be kept as part of an official B&I project.

LINKING

The OSS will be combined with Apple/third party code by:

dynamically invoking the OSS from the Apple/third party code using library functions at runtime.

Linking Description:

This code creates an extension for the PostgreSQL server that will be dynamically loaded by the server only on internal systems which install the "ServerInternal" package.

IMPORTANCE AND ALTERNATIVES

Criticalness in Terms of Functionality:

This provides some additional checking of our code, but since it won't ship, we can do without it (as we have until now).

Substitutes or Alternative Technologies:

None that I'm aware of. (This is the current version of plpgsql_lint, which I previously filed a use request for, but that can be ignored in favor of this one.)

Potential Workaround:

We would simply lose a tool for improving the quality of the code, but we'd be no different than we have been for years.

MODIFICATIONS

Planned Modifications:

Intend to make modifications.

Modifications Description:

It appears that we'll need to make minor modifications to get these sources to build in our build environment.

Modifications Contain Apple Differentiating Technology:

No.

RELATED OSS USE

OSS Replacing Use of Another Open Source Project:

No.

Previously Used OSS under Same License:

[NOT USED]

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SAFEGUARDS

Internal Controls:

The source will be included in the PostgreSQL repository, hosted on internal Apple servers. We will use an automated makefile to ensure this source code, as with Apple source code, is not shipped inadvertently.

Restricted Access to Limit Distribution:

Yes.

Internal Use Posting:

Yes.

Share Open Source with Vendors:

Not that I can foresee.

Highly Confidential Project? No