

PostgreSQL Remote Control

temBoard



17th march 2017

Jean-Paul Argudo

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DATE: 17th march 2017

TEMBOARD

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WHO AM I ?

- Jean-Paul Argudo ("jpa")
 - using and advocating PostgreSQL since 2000
 - PostgreSQL France co-founder (2004)
 - and then PostgreSQL Europe (2008)
 - CEO @dalibo since 2005
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THE NEED

- manage production PostgreSQL servers
 - all-in one web platform
 - easy, extensible, pluggable
 - PostgreSQL licence
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LET'S CONNECT



DASHBOARD

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ACTIVITY

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OVERVIEW ("SUPERVISION")

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CONFIGURATION

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RELOAD PARAMETER

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RESTART

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PG_HBA.CONF

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SAFER PG_HBA.CONF :-)

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PG_IDENT.CONF

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NOTIFICATIONS

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SETUP

- Users : global / local admin
 - "Instances" == PostgreSQL servers
 - Users & "Instances" groups
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INSTANCES

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WORK IN PROGRESS

- Automated alerting mechanism
 - Maintenance plugin
 - PITR plugin (pitrary)
 - Rewrite of the whole interface!
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ARCHITECTURE

TEMBOARD-AGENT

- Daemon / Scheduler / Workers
 - Python 2.6/2.7 & PostgreSQL >= 9.4
 - embedded HTTPS server (SimpleHTTPServer)
 - embedded PostgreSQL connector
 - REST API / .ini config file
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TEMBOARD

- web interface
 - Python 2.7
 - dependencies: psycopg2 / tornado / SQLAlchemy
 - bootstrap3 / jquery / Chart.JS / dygraph
 - Plugins architecture / .ini config file
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REPOSITORY

- meta-data and metrics storage
 - requires $\geq$ PostgreSQL 9.5
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CAVEATS

- Linux support only
 - PostgreSQL ≥ 9.4 on monitored PGs
 - Python 3 : planned
 - WIP for version 1.0 : few weeks to go
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MORE INFORMATION

- official website
 - code
 - quickstart docker images
 - documentation
 - community support
 - commercial support
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QUESTIONS?

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