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PGSQL-RUNNER FEATURES AND FUNCTIONALITIES

1. INTRO

This document presents the existing features and functionalities of this tool.
The pgsql tool is a clone/fork/derivative of the wrapp tool:
https://github.com/YordanGeorgiev/wrapp
Thus it inherits (allmost) all of the wrapp tool features and functionalities ... Thus if any functionalty exists and it is ommited you most probably could find it in the features and functionalities doc of the wrapp tool or in the <<func-action-name>>.spec.txt unnder the doc/txt dir ...

2. BASIC STDOUT, STDERR AND FILE LOGGING

The tool logs (quite verbosely) all its operations. The verbosity could be adjusted via the configuration file.

2.1. Debug log output configurability

You could turn off the doLog DEBUG calls output as [DEBUG] …. If you disable it trough the configuration file.

3. SUPPORT FOR LOGICAL ENVIRONMENTS

The tools "knows" the following 3 logical environments :
dev
tst
prd
Thus you can have different set / versions for your sql scripts for your dev , tst and prd databases.

3.1. Configurability of the logical environments

You could configure the codes of your logical environments in the configuration files.
src/bash/pgsql-runner/pgsql-runner.dev.doc-pub-host.cnf
src/bash/pgsql-runner/pgsql-runner.tst.doc-pub-host.cnf
src/bash/pgsql-runner/pgsql-runner.prd.doc-pub-host.cnf
The tools has been tested with the following naming convention:
dev_<<db_name>> - the development database
tst_<<db_name>> - the testing database
prd_<<db_name>> - the production database.

4. CONFIGURABILITY

4.1. Per host configurability

You could have different host configurations in your deployment packages.

4.2. Database names configurability

You configure different database names for your logical environments.

5. POSTGRE SQL SCRIPTS RUN

This document presents the existing features of this tool

5.1. Initial create db sql script

You could add or remove the initial drop create db script in the following file:
src/sql/pgsql/dev_pgsql_runner/00.create-db.pgsql

5.2. Running sql scripts in files alphabetic order

The sql scripts are run in numeric order. Thus if you prefix the file names with 2 or 3 digit numbers the tool with run those according to the find . <<sql-dir>> | sort -nr command order.

5.3. Logging sql scripts files run output to STDOUT , STDERR and a logfile

The tool will show you the output of each sql script file run and save it to a common log file (configurable via the tool's configuration file)

5.4. Exit on sql script command fail

Should any of your sql script commands fail the tool with exit.

5.5. Run the sql scripts from pre-set in the shell sql_dir

If you pre-set a shell var named sql_dir to a dir not bellow the product instance dir of the tool you could run all the sql scripts in the same alphanumeric order .

6. DOCUMENTATION

All the docs are stored in pdf and github md file format.

6.1. README

6.2. DevOpsGuide

The DevOps guide provides the basic instructions on how-to setup the environment for the tool and basic PostgreSQL operations to speed up the tool's usage.

6.3. Features and Functionalities doc

This document.