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ISSUE-TRACKER

1. WHAT IS IT ?!

A tool to manage multiple projects issues programmatically using txt files , xls files and PostgreSQL db.

2. INSTALLATION AND CONFIGURATION

2.1. Prerequisites

The must have binaries are:

bash, perl, zip, postgres 9.6

The nice to have are:

tmux, vim ,ctags

The examples are for Ubuntu - use your OS package manager ...

If you do not have postgres than you would have to follow the longer installation instructions :

<https://github.com/YordanGeorgiev/issue-tracker/blob/master/doc/md/issue-tracker-devops-guide.md#1-installations-and-configurations>

```
# use your OS package manager ... if you are not on Ubuntu
```

```
sudo apt-get autoclean
```

```
sudo apt-get install --only-upgrade bash
```

```
sudo apt-get install -y perl
```

```
# optionally
```

```
sudo apt-get install -y excuberant-ctags
```

```
sudo apt-get install -y 7z
```

```
sudo apt-get upgrade
```

2.2. Fetch the source

Fetch the source from git hub as follows:

```
# got to a dir you have write permissions , for example:
```

```
cd ~
```

```
# fetch the source
```

```
git clone git@github.com:YordanGeorgiev/issue-tracker.git
```

2.3. run the boot-strap script

The bootstrap script will interpolate change the git deployment dir to a "product_instance_dir" (your instance of the issue-tracker, having the same version as this one, but running on a different host with different owner - your)

```
# define the latest and greates product_version
```

```
export product_version=$(cd issue-tracker;git tag|sort -nr| head -n 1;cd ..)
```

```
# run the bootstrap script :
```

```
bash issue-tracker/src/bash/issue-tracker/bootstrap-issue-tracker.sh
```

```
# now go to your product instance dir , note it is a DEV environment
```

```
cd /opt/csitea/issue-tracker/issue-tracker.$product_version.dev.$USER
```

2.4. Apply the db and issue create scripts

If you do not have the PostgreSQL (v9.5 >) with current Linux user configured role installed check the instructions in the installations and configuratios section of the DevOps guide:

<https://github.com/YordanGeorgiev/issue-tracker/blob/master/doc/md/issue-tracker-devops-guide.md#1-installations-and-configurations>

If you do have it , apply the db and issue create scripts as follows:

```
# apply the postgre sql scripts
```

```
bash src/bash/issue-tracker/issue-tracker.sh -a run-pgsql-scripts
```

2.5. Install the required Perl modules

Just run the prerequisites checker script which will provide you with copy pastable instructions

```
sudo perl src/perl/issue_tracker/script/issue_tracker_preq_checker.pl
```

after installing all the modules check the perl syntax of the whole project:

```
bash src/bash/issue-tracker/issue-tracker.sh -a check-perl-syntax
```

2.6. Start hacking

Start usage:

```
doParseIniEnvVars cnf/issue-tracker-issues.dev.doc-pub-host.cnf
```

```
bash src/bash/issue-tracker/issue-tracker.sh -a txt-to-db
```

```
bash src/bash/issue-tracker/issue-tracker.sh -a db-to-xls
```

now edit the files in the xls

```
bash src/bash/issue-tracker/issue-tracker.sh -a xls-to-db
```

```
bash src/bash/issue-tracker/issue-tracker.sh -a db-to-txt
```

```
export issues_order_by_attribute=start_time
```

```
export issues_order_by_attribute=prio
```

```
bash src/bash/issue-tracker/issue-tracker.sh -a db-to-txt
```

publish to gsheets issues:

```
export do_truncate_tables=1 ; bash src/bash/issue-tracker/issue-tracker.sh -a db-to-gsheet -t
```

```
daily_issues,weekly_issues,monthly_issues,yearly_issues
```

3. ADDITIONAL DOCS

Additional docs could be found in the doc/md dir.

4. AND FINALLY THE PROJECT STATUS

The issue tracker project status could be tracked by the issue-tracker data stored in the following gsheets:

<https://docs.google.com/spreadsheets/d/e/2PACX->

[1vQ3ijqkY03mDXiaT3mcvr96NkgRnsONSAHyBGwnukuRezhHTaAZsUxOcoQ6fHfZmcHXP2KpD6kfCPR/pubhtml](https://docs.google.com/spreadsheets/d/e/2PACX-1vQ3ijqkY03mDXiaT3mcvr96NkgRnsONSAHyBGwnukuRezhHTaAZsUxOcoQ6fHfZmcHXP2KpD6kfCPR/pubhtml)