2017-11-21 Code Dev Notes

Continuation of

<https://github.com/TekMason/gitworkflow/raw/master/20171120_Code_Dev_Notes.docx>

**Mark’s GIT Notes Document**

<https://docs.google.com/document/d/1hagNOVEyBFW-l2Hmk0Vakd-EP3dE2G2HGr0HZ408ffQ/edit?ts=5a110c45>

git pull

if there are conflicts

git stash

git pull

# Working on gitworkflow

cd /var/www/gitworkflow

git pull origin master

*updates local with github master*

chown -R www-data:www-data /var/www/gitworkflow/

*sets the owner and group for all files folders to www-data*

chmod -R 775 /var/www/gitworkflow/

*set permissions so that www-data group members have RW*

Make edits

git status

git add .

git commit

git push

touch /var/www/gitworkflow/.gitignore

nano /var/www/gitworkflow/.gitignore

doesn’t exclude ~\*.doc\* for some reason

chmod g+s sets the group

chmod g+s /var/www/codedocs

Works!!!

# Working on Fusion

Edited a file in my GitHub repo and did another PR to fusion/fusion

*Update app/yealink/app\_config.php #2919*

app/yealink/app\_config.php

**change**

$apps[$x]['default\_settings'][$y]['default\_setting\_name'] = "integer";

to

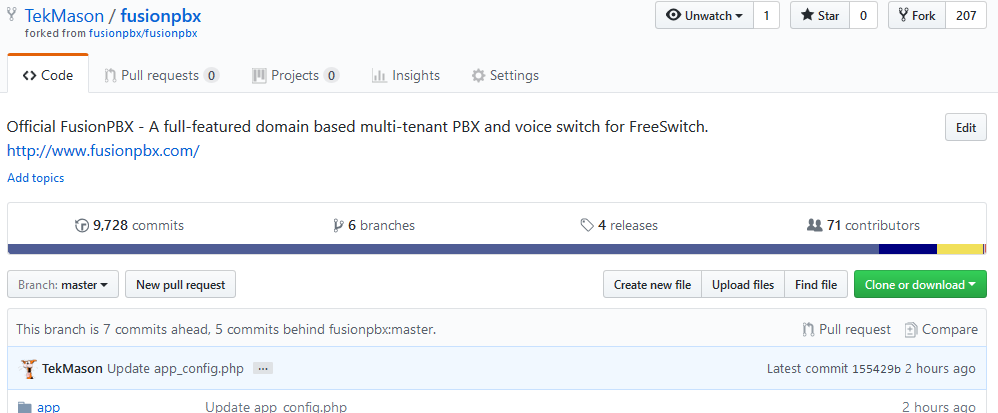
$apps[$x]['default\_settings'][$y]['default\_setting\_name'] = "numeric";

Mark accepted PR so now we do a sync process

**Summary of a sync**

1. Fetch changes from fusionpbx/fusionpbx
2. Merge the changes into TekMason/fusionpbx  
   *Note: Steps 1 and 2 are often combined into a single Git operation called a "pull."*
3. Push the updates to GitHub repo TekMason/fusionpbx

[Syncing a fork](https://help.github.com/articles/syncing-a-fork/)

****

**git status**

On branch master

Your branch is up-to-date with 'origin/master'.

nothing to commit, working directory clean

**git remote –v**

origin https://github.com/TekMason/fusionpbx.git (fetch)

origin https://github.com/TekMason/fusionpbx.git (push)

upstream https://github.com/fusionpbx/fusionpbx.git (fetch)

upstream https://github.com/fusionpbx/fusionpbx.git (push)

**git fetch upstream**

remote: Counting objects: 27, done.

remote: Compressing objects: 100% (2/2), done.

remote: Total 27 (delta 18), reused 18 (delta 18), pack-reused 7

Unpacking objects: 100% (27/27), done.

From https://github.com/fusionpbx/fusionpbx

ef3f99a..725433d master -> upstream/master

**git checkout master**

Switched to branch 'master'

Your branch is up-to-date with 'origin/master'.

**git merge upstream/master**

Merge made by the 'recursive' strategy.

app/calls\_active/calls\_active\_inc.php | 7 ++++---

app/xml\_cdr/resources/classes/xml\_cdr.php | 4 ++--

app/yealink/app\_config.php | 4 ++--

3 files changed, 8 insertions(+), 7 deletions(-)

**git status**

On branch master

Your branch is ahead of 'origin/master' by 6 commits.

(use "git push" to publish your local commits)

nothing to commit, working directory clean

**git push**

warning: push.default is unset; its implicit value has changed in

Git 2.0 from 'matching' to 'simple'. To squelch this message

and maintain the traditional behavior, use:

git config --global push.default matching

To squelch this message and adopt the new behavior now, use:

git config --global push.default simple

When push.default is set to 'matching', git will push local branches

to the remote branches that already exist with the same name.

Since Git 2.0, Git defaults to the more conservative 'simple'

behavior, which only pushes the current branch to the corresponding

remote branch that 'git pull' uses to update the current branch.

See 'git help config' and search for 'push.default' for further information.

(the 'simple' mode was introduced in Git 1.7.11. Use the similar mode

'current' instead of 'simple' if you sometimes use older versions of Git)

Username for 'https://github.com': TekMason

Password for 'https://TekMason@github.com':

To https://github.com/TekMason/fusionpbx.git

! [rejected] master -> master (fetch first)

error: failed to push some refs to 'https://github.com/TekMason/fusionpbx.git'

hint: Updates were rejected because the remote contains work that you do

hint: not have locally. This is usually caused by another repository pushing

hint: to the same ref. You may want to first integrate the remote changes

hint: (e.g., 'git pull ...') before pushing again.

hint: See the 'Note about fast-forwards' in 'git push --help' for details.

**git pull**

**git push**

My github repo says "This branch is 9 commits ahead of fusionpbx:master." but compare says 0 files changed

# BURN IT DOWN AND START AGAIN

## **19:30**

**mv fusionpbx fusionpbx\_201711-21**

delete githup repo TekMason/fusionpbx

**MUST READ Simple guide to forks in GitHub and Git**

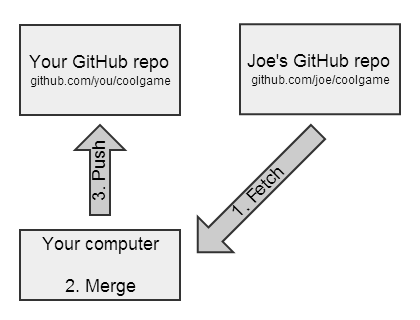
<http://www.dataschool.io/simple-guide-to-forks-in-github-and-git/>

Figure 2 - Synching a Fork 1



Figure 1 - Forking and Updating a Repo

# Forking and Updating a Repo

## 1.Fork

Fork fusionpbx/fusionpbs

## 2.Clone

**git clone https://github.com/TekMason/fusionpbx.git**

## 3.Update a file

**nano /var/www/fusionpbx/.git/config**

**chown -R www-data:www-data /var/www/fusionpbx**

**chmod -R 775 /var/www/fusionpbx**

edit files:  
resources\templates\provision\yealink\t48g\{$mac}.cfg

resources\templates\provision\yealink\t48g\y000000000035.cfg

## 4.Commit

**git status**

On branch master

Your branch is up-to-date with 'origin/master'.

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git checkout -- <file>..." to discard changes in working directory)

modified: resources/templates/provision/yealink/t48g/y000000000035.cfg

modified: resources/templates/provision/yealink/t48g/{$mac}.cfg

no changes added to commit (use "git add" and/or "git commit -a")

**git add .**

**git commit -m "Yealink T48G Template"**

[master 8cb7d86] Yealink T48G Template

2 files changed, 19 insertions(+), 124 deletions(-)

**git push**

warning: push.default is unset; its implicit value has changed in

Git 2.0 from 'matching' to 'simple'. To squelch this message

and maintain the traditional behavior, use:

git config --global push.default matching

To squelch this message and adopt the new behavior now, use:

git config --global push.default simple

When push.default is set to 'matching', git will push local branches

to the remote branches that already exist with the same name.

Since Git 2.0, Git defaults to the more conservative 'simple'

behavior, which only pushes the current branch to the corresponding

remote branch that 'git pull' uses to update the current branch.

See 'git help config' and search for 'push.default' for further information.

(the 'simple' mode was introduced in Git 1.7.11. Use the similar mode

'current' instead of 'simple' if you sometimes use older versions of Git)

Username for 'https://github.com': TekMason

Password for 'https://TekMason@github.com':

Counting objects: 9, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (9/9), done.

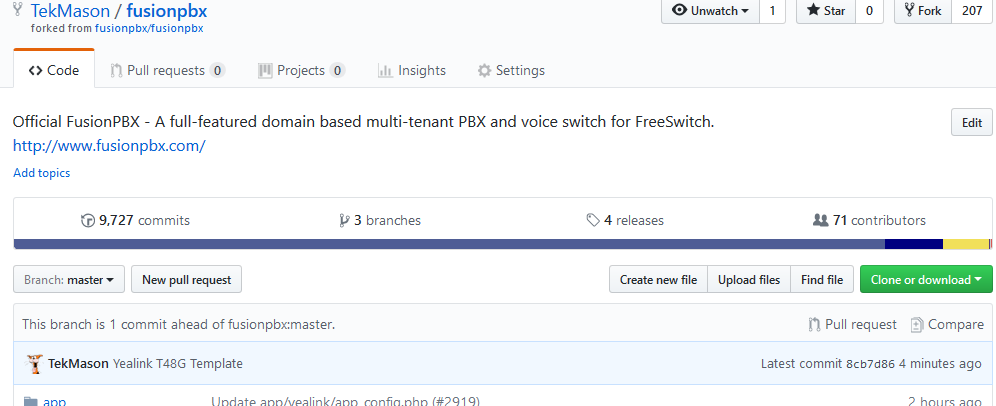
Writing objects: 100% (9/9), 982 bytes | 0 bytes/s, done.

Total 9 (delta 8), reused 0 (delta 0)

remote: Resolving deltas: 100% (8/8), completed with 8 local objects.

To https://github.com/TekMason/fusionpbx.git

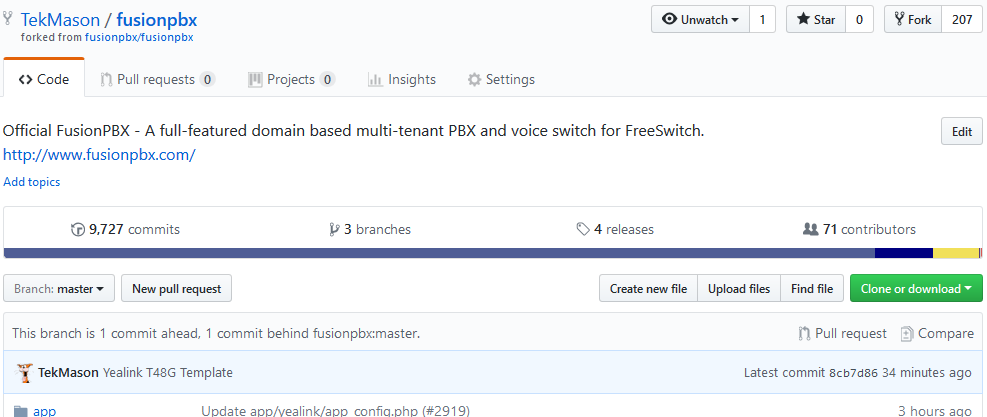
725433d..8cb7d86 master -> master



Did a pull request *Yealink T48G Template Updates #2921*

## 21:36

Mark accepted my PR



### Do a sync

**git remote -v**

origin https://github.com/TekMason/fusionpbx.git (fetch)

origin https://github.com/TekMason/fusionpbx.git (push)

**git remote add upstream https://github.com/fusionpbx/fusionpbx.git**

Summary of a sync

1. Fetch changes from fusionpbx/fusionpbx
2. Merge the changes into TekMason/fusionpbx  
   *Note: Steps 1 and 2 are often combined into a single Git operation called a "pull."*
3. Push the updates to GitHub repo TekMason/fusionpbx

References

[Syncing a fork](https://help.github.com/articles/syncing-a-fork/) > [Configuring a remote for a fork](https://help.github.com/articles/configuring-a-remote-for-a-fork/)

**git remote –v**

origin https://github.com/TekMason/fusionpbx.git (fetch)

origin https://github.com/TekMason/fusionpbx.git (push)

**git remote add upstream https://github.com/fusionpbx/fusionpbx.git**

**git remote -v**

origin https://github.com/TekMason/fusionpbx.git (fetch)

origin https://github.com/TekMason/fusionpbx.git (push)

upstream https://github.com/fusionpbx/fusionpbx.git (fetch)

upstream https://github.com/fusionpbx/fusionpbx.git (push)

Back to [Syncing a fork](https://help.github.com/articles/syncing-a-fork/)

**git fetch upstream**

remote: Counting objects: 17, done.

remote: Compressing objects: 100% (6/6), done.

remote: Total 17 (delta 11), reused 11 (delta 10), pack-reused 1

Unpacking objects: 100% (17/17), done.

From <https://github.com/fusionpbx/fusionpbx>

\* [new branch] 4.0 -> upstream/4.0

\* [new branch] 4.2 -> upstream/4.2

\* [new branch] master -> upstream/master

**git status**

On branch master

Your branch is up-to-date with 'origin/master'.

nothing to commit, working directory clean

**git checkout master**

Already on 'master'

Your branch is up-to-date with 'origin/master'.

**git merge upstream/master**

Auto-merging resources/templates/provision/yealink/t48g/{$mac}.cfg

Merge made by the 'recursive' strategy.

resources/templates/provision/yealink/t19p/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t20p/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t21p/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t22p/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t23g/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t23p/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t26p/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t27g/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t27p/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t28p/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t29g/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t40p/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t41p/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t41s/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t42g/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t42s/{$mac}.cfg | 3639 ++++++++++++++++++++++++++++++++++++++++++++++--------

resources/templates/provision/yealink/t46g/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t46s/{$mac}.cfg | 3535 ++++++++++++++++++++++++++++++++++++++++++++--------

resources/templates/provision/yealink/t48g/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t48s/{$mac}.cfg | 12 +-

resources/templates/provision/yealink/t49g/{$mac}.cfg | 12 +-

21 files changed, 6248 insertions(+), 1154 deletions(-)

**git status**

On branch master

Your branch is ahead of 'origin/master' by 3 commits.

(use "git push" to publish your local commits)

nothing to commit, working directory clean

**git push**

warning: push.default is unset; its implicit value has changed in

Git 2.0 from 'matching' to 'simple'. To squelch this message

and maintain the traditional behavior, use:

git config --global push.default matching

To squelch this message and adopt the new behavior now, use:

git config --global push.default simple

When push.default is set to 'matching', git will push local branches

to the remote branches that already exist with the same name.

Since Git 2.0, Git defaults to the more conservative 'simple'

behavior, which only pushes the current branch to the corresponding

remote branch that 'git pull' uses to update the current branch.

See 'git help config' and search for 'push.default' for further information.

(the 'simple' mode was introduced in Git 1.7.11. Use the similar mode

'current' instead of 'simple' if you sometimes use older versions of Git)

Username for 'https://github.com': TekMason

Password for 'https://TekMason@github.com':

Counting objects: 42, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (42/42), done.

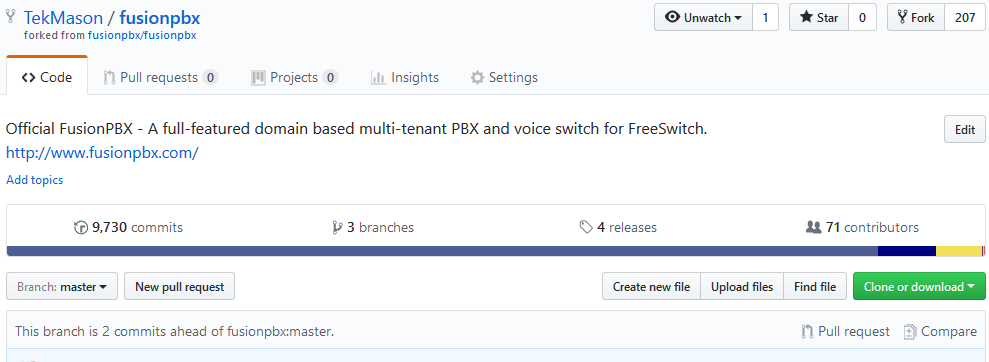
Writing objects: 100% (42/42), 6.43 KiB | 0 bytes/s, done.

Total 42 (delta 38), reused 0 (delta 0)

remote: Resolving deltas: 100% (38/38), completed with 34 local objects.

To https://github.com/TekMason/fusionpbx.git

8cb7d86..2188480 master -> master

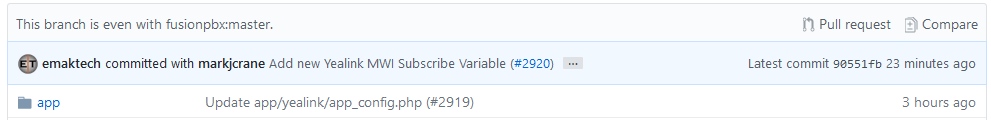


My repo says synch process didn't bring my github repo in synch with fusionpbx/fusionpbx. It says "This branch is 2 commits ahead of fusionpbx:master."

**git reset upstream/master**

**git push --force**

**WORKS!!!**



**Try again**

**chown -R www-data:www-data /var/www/fusionpbx**

**chmod -R 775 /var/www/fusionpbx**

Edit T42G files mac and .cfg

**git status**

On branch master

Your branch is up-to-date with 'origin/master'.

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git checkout -- <file>..." to discard changes in working directory)

modified: resources/templates/provision/yealink/t42g/y000000000029.cfg

modified: resources/templates/provision/yealink/t42g/{$mac}.cfg

no changes added to commit (use "git add" and/or "git commit -a")

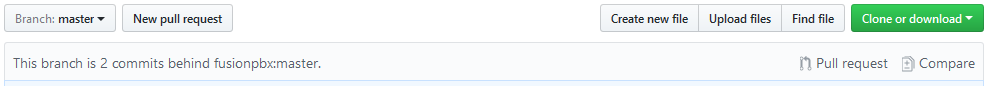
**git add .**

**git commit -m "T42G Templates"**

[master 3c4e781] T42G Templates

2 files changed, 19 insertions(+), 125 deletions(-)

**Mark has done 2 more commits to fusionpbx/fusionpbx**

****

**git push**

create a PR



**Synch Process**

**git fetch upstream**

**git merge upstream/master**

Merge made by the 'recursive' strategy.

app/dialplans/resources/switch/conf/dialplan/470\_valet\_park.xml | 2 +-

app/fax/app\_config.php | 4 ++--

app/music\_on\_hold/resources/classes/switch\_music\_on\_hold.php | 1 +

3 files changed, 4 insertions(+), 3 deletions(-)

**git push --force**

nope 2 commits ahead

**git reset upstream/master**

**git push --force**

Simple guide to forks in GitHub and Git

**MUST READ Simple guide to forks in GitHub and Git**

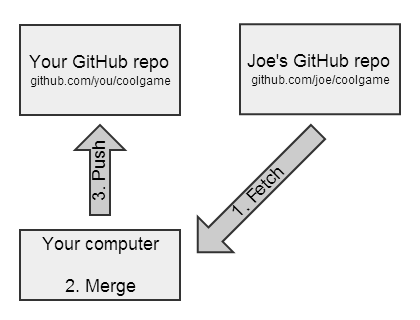
<http://www.dataschool.io/simple-guide-to-forks-in-github-and-git/>

Figure 2 - Synching a Fork 1



Figure 1 - Forking and Updating a Repo

# Install FusionPBX on your device

# Forking and updating a Repo

One Time

## 1-Fork

Go to <https://github.com/fusionpbx/fusionpbx> and click Fork (upper right)

## 2-Clone

On your local device:

**cd /var/www/**

**git clone** [**https://github.com/TekMason/fusionpbx.git**](https://github.com/TekMason/fusionpbx.git)

Configure git so it doesn’t commit file permission changes

**nano /var/www/fusionpbx/.git/config**

filemode = false

Set Permissions

**chown -R www-data:www-data /var/www/fusionpbx**

**chmod -R 775 /var/www/fusionpbx**

## 3.Update a file

edit files

## 4.Commit

**git status**

**git add .**

**git commit -m "Summary of what is in this commit "**

**git push**

GO to your repo and do a pull request

Repeat steps 3 and 4

# Synching a Fork

**One time**

**git –v**

origin https://github.com/TekMason/fusionpbx.git (fetch)

origin https://github.com/TekMason/fusionpbx.git (push)

**git remote add upstream https://github.com/fusionpbx/fusionpbx.git**

**git remote -v**

origin https://github.com/TekMason/fusionpbx.git (fetch)

origin https://github.com/TekMason/fusionpbx.git (push)

upstream https://github.com/fusionpbx/fusionpbx.git (fetch)

upstream https://github.com/fusionpbx/fusionpbx.git (push)

**Repeat with each sync**

**git fetch upstream**

**git merge upstream/master**

**git reset upstream/master**

**git push --force**