**Git Documentation**

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# Git Initialization & saving first file:

Sam@Sam-PC MINGW64 ~ (master)

$ cd J:/R/Re\*

Sam@Sam-PC MINGW64 /j/R/Repository

$ pwd

/j/R/Repository

Sam@Sam-PC MINGW64 /j/R/Repository

$ ls

Sam@Sam-PC MINGW64 /j/R/Repository

$ git init

Initialized empty Git repository in J:/R/Repository/.git/

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ ls

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ ls

stock.R

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

Initial commit

Untracked files:

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

stock.R

nothing added to commit but untracked files present (use "git add" to track)

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git add stock.R

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

Initial commit

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: stock.R

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git commit -m "Unload to R - v1"

[master (root-commit) aa502c3] Unload to R - v1

1 file changed, 32 insertions(+)

create mode 100644 stock.R

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

nothing to commit, working directory clean

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git remote add origin https://github.com/SamJake/Stk\_prdctn.git

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git remote show origin

\* remote origin

Fetch URL: https://github.com/SamJake/Stk\_prdctn.git

Push URL: https://github.com/SamJake/Stk\_prdctn.git

HEAD branch: (unknown)

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git push origin master

Counting objects: 3, done.

Delta compression using up to 4 threads.

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

Writing objects: 100% (3/3), 566 bytes | 0 bytes/s, done.

Total 3 (delta 0), reused 0 (delta 0)

To https://github.com/SamJake/Stk\_prdctn.git

\* [new branch] master -> master

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git statuss

git: 'statuss' is not a git command. See 'git --help'.

Did you mean this?

status

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

nothing to commit, working directory clean

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git log

commit aa502c39c98b856a1602bcdd7ee9a9dc9a63e586

Author: Sam Jake <samjulian88@gmail.com>

Date: Sat Apr 2 01:05:01 2016 +0530

Unload to R - v1

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

# Adding folder:

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ ls

Documentation/ stock.R

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

Untracked files:

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

Documentation/

nothing added to commit but untracked files present (use "git add" to track)

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git add -All

error: unknown switch `l'

usage: git add [<options>] [--] <pathspec>...

-n, --dry-run dry run

-v, --verbose be verbose

-i, --interactive interactive picking

-p, --patch select hunks interactively

-e, --edit edit current diff and apply

-f, --force allow adding otherwise ignored files

-u, --update update tracked files

-N, --intent-to-add record only the fact that the path will be added later

-A, --all add changes from all tracked and untracked files

--ignore-removal ignore paths removed in the working tree (same as --no-all)

--refresh don't add, only refresh the index

--ignore-errors just skip files which cannot be added because of errors

--ignore-missing check if - even missing - files are ignored in dry run

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git add -A

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

Changes to be committed:

(use "git reset HEAD <file>..." to unstage)

new file: Documentation/Git Documentation.docx

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git commit -m "Git documentation -v1"

[master 227f927] Git documentation -v1

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 Documentation/Git Documentation.docx

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git statuss

git: 'statuss' is not a git command. See 'git --help'.

Did you mean this?

status

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

nothing to commit, working directory clean

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git log

commit 227f92731124d23206d83a38a3a3eeeea6c13679

Author: Sam Jake <samjulian88@gmail.com>

Date: Sat Apr 2 01:15:40 2016 +0530

Git documentation -v1

commit aa502c39c98b856a1602bcdd7ee9a9dc9a63e586

Author: Sam Jake <samjulian88@gmail.com>

Date: Sat Apr 2 01:05:01 2016 +0530

Unload to R - v1

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git push origin master

Counting objects: 4, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (4/4), done.

Writing objects: 100% (4/4), 13.74 KiB | 0 bytes/s, done.

Total 4 (delta 0), reused 0 (delta 0)

To https://github.com/SamJake/Stk\_prdctn.git

aa502c3..227f927 master -> master

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

# Updating a file:

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch 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: Documentation/Git Documentation.docx

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

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git add Documentation/Git Documentation.docx

fatal: pathspec 'Documentation/Git' did not match any files

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git add /Documentation/Git Documentation.docx

fatal: Could not switch to 'C:/Program Files/Git/Documentation/': No such file or directory

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git add -A

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

Changes to be committed:

(use "git reset HEAD <file>..." to unstage)

modified: Documentation/Git Documentation.docx

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git commit -m "Git Documentation -v2"

[master 7fee282] Git Documentation -v2

1 file changed, 0 insertions(+), 0 deletions(-)

rewrite Documentation/Git Documentation.docx (81%)

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git push origin master

Counting objects: 4, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (4/4), done.

Writing objects: 100% (4/4), 18.82 KiB | 0 bytes/s, done.

Total 4 (delta 0), reused 0 (delta 0)

To https://github.com/SamJake/Stk\_prdctn.git

227f927..7fee282 master -> master

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

# Saving multiple files at one go:

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch 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: stock.R

Untracked files:

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

Sample plots/

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

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git add -

fatal: pathspec '-' did not match any files

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git add -A

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

Changes to be committed:

(use "git reset HEAD <file>..." to unstage)

new file: Sample plots/Rplot1.jpeg

new file: Sample plots/Rplot2.jpeg

new file: Sample plots/Rplot3.jpeg

modified: stock.R

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git commit -m "Adding sample plots -v1"

[master 5e0ec31] Adding sample plots -v1

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

create mode 100644 Sample plots/Rplot1.jpeg

create mode 100644 Sample plots/Rplot2.jpeg

create mode 100644 Sample plots/Rplot3.jpeg

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git push origin master

Counting objects: 7, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (7/7), done.

Writing objects: 100% (7/7), 182.16 KiB | 0 bytes/s, done.

Total 7 (delta 1), reused 0 (delta 0)

To https://github.com/SamJake/Stk\_prdctn.git

a2ce109..5e0ec31 master -> master

Sam@Sam-PC MINGW64 /j/R/Repository (master)

# Git Cloning: [a different computer]

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository

$ git clone https://github.com/SamJake/Stk\_prdctn.git

Cloning into 'Stk\_prdctn'...

remote: Counting objects: 40, done.

remote: Compressing objects: 100% (38/38), done.

remote: Total 40 (delta 4), reused 37 (delta 1), pack-reused 0

Unpacking objects: 100% (40/40), done.

Checking connectivity... done.

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository

$ git remote show origin

fatal: Not a git repository (or any of the parent directories): .git

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository

$ git status

fatal: Not a git repository (or any of the parent directories): .git

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository

$ git log

fatal: Not a git repository (or any of the parent directories): .git

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository

$ git branch -r

fatal: Not a git repository (or any of the parent directories): .git

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository

$ ls

Stk\_prdctn/

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository

$ git status

fatal: Not a git repository (or any of the parent directories): .git

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository

$ ls

Stk\_prdctn/

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository

$ git status

fatal: Not a git repository (or any of the parent directories): .git

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository

$ cd Stk\_prdctn

# Working from a new local:

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository/Stk\_prdctn (master)

$ ls

Documentation/ 'New Text Document.txt' 'Sample plots'/ stock.R

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository/Stk\_prdctn (master)

$ git status

On branch master

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

Untracked files:

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

New Text Document.txt

nothing added to commit but untracked files present (use "git add" to track)

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository/Stk\_prdctn (master)

$ git add -A

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository/Stk\_prdctn (master)

$ git status

On branch master

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

Changes to be committed:

(use "git reset HEAD <file>..." to unstage)

new file: New Text Document.txt

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository/Stk\_prdctn (master)

$ git status

On branch master

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

Changes to be committed:

(use "git reset HEAD <file>..." to unstage)

new file: New Text Document.txt

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository/Stk\_prdctn (master)

$ git commit -m "Testing duplicate local | add dummy file -v1"

[master 4e188d7] Testing duplicate local | add dummy file -v1

Committer: Sam Jacob <Sam.Jacob@synechron.com>

Your name and email address were configured automatically based

on your username and hostname. Please check that they are accurate.

You can suppress this message by setting them explicitly. Run the

following command and follow the instructions in your editor to edit

your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 New Text Document.txt

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository/Stk\_prdctn (master)

$ git push origin master

Counting objects: 3, done.

Delta compression using up to 4 threads.

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

Writing objects: 100% (3/3), 384 bytes | 0 bytes/s, done.

Total 3 (delta 0), reused 0 (delta 0)

To https://github.com/SamJake/Stk\_prdctn.git

ade00be..4e188d7 master -> master

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository/Stk\_prdctn (master)

$

$ git status

On branch master

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

nothing to commit, working directory clean

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository/Stk\_prdctn (master)

$ git rm New\*

rm 'New Text Document.txt'

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository/Stk\_prdctn (master)

$ git status

On branch master

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

Changes to be committed:

(use "git reset HEAD <file>..." to unstage)

deleted: New Text Document.txt

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository/Stk\_prdctn (master)

$ git commit -m "Testing duplicate local | Remove dummy file -v2"

[master 7e9662f] Testing duplicate local | Remove dummy file -v2

Committer: Sam Jacob <Sam.Jacob@synechron.com>

Your name and email address were configured automatically based

on your username and hostname. Please check that they are accurate.

You can suppress this message by setting them explicitly. Run the

following command and follow the instructions in your editor to edit

your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)

delete mode 100644 New Text Document.txt

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository/Stk\_prdctn (master)

$ git push origin master

Fatal: TaskCanceledException encountered.

Username for 'https://github.com': samjulian88@gmail.com

Counting objects: 2, done.

Delta compression using up to 4 threads.

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

Writing objects: 100% (2/2), 254 bytes | 0 bytes/s, done.

Total 2 (delta 1), reused 0 (delta 0)

To https://github.com/SamJake/Stk\_prdctn.git

4e188d7..7e9662f master -> master

# Checking log:

Sam.Jacob@SYNBLR-036 MINGW64 /e/R/Repository/Stk\_prdctn (master)

$ git log

commit 7e9662f1dd3e6e913a39a14f2a740f852ea3270c

Author: Sam Jacob <Sam.Jacob@synechron.com>

Date: Mon Apr 4 22:53:19 2016 +0530

Testing duplicate local | Remove dummy file -v2

commit 4e188d7ead229a37156f95d88daa90779a370df3

Author: Sam Jacob <Sam.Jacob@synechron.com>

Date: Mon Apr 4 22:50:45 2016 +0530

Testing duplicate local | add dummy file -v1

commit ade00be2dc2a461f490809efc61bd67574ef8a17

Author: Sam Jake <samjulian88@gmail.com>

Date: Sat Apr 2 03:03:10 2016 +0530

Git documentation -v5

commit 5e0ec31a80bba87f0705f5dd201e7e1732ea5dc0

Author: Sam Jake <samjulian88@gmail.com>

Date: Sat Apr 2 02:56:27 2016 +0530

Adding sample plots -v1

commit a2ce1092009a3085980aad708c2923322c03a165

Author: Sam Jake <samjulian88@gmail.com>

Date: Sat Apr 2 01:56:05 2016 +0530

Unload to R | optimized for historical data retrieval -v4

commit a0b2afa545ba411427b1f90b9acff0ccd6f930b1

Author: Sam Jake <samjulian88@gmail.com>

Date: Sat Apr 2 01:37:45 2016 +0530

Unload to R | optimized for historical data retrieval -v3

commit eaf32ad47212d93ec1fbca6280e89a09d80c63e6

Author: Sam Jake <samjulian88@gmail.com>

Date: Sat Apr 2 01:33:41 2016 +0530

Unload to R -v2

commit bf566eb7683609bbe504ce708518893989ac05d6

Author: Sam Jake <samjulian88@gmail.com>

Date: Sat Apr 2 01:30:19 2016 +0530

Documentation -v4

commit 06ae2287a29fb35ddd3121691c5556f8e9b317f9

Author: Sam Jake <samjulian88@gmail.com>

Date: Sat Apr 2 01:27:36 2016 +0530

Git documentation -v3

commit 7fee282d886a6d178005e58f0119decac314754e

Author: Sam Jake <samjulian88@gmail.com>

Date: Sat Apr 2 01:22:38 2016 +0530

Git Documentation -v2

commit 227f92731124d23206d83a38a3a3eeeea6c13679

Author: Sam Jake <samjulian88@gmail.com>

Date: Sat Apr 2 01:15:40 2016 +0530

Git documentation -v1

commit aa502c39c98b856a1602bcdd7ee9a9dc9a63e586

Author: Sam Jake <samjulian88@gmail.com>

Date: Sat Apr 2 01:05:01 2016 +0530

Unload to R - v1