

Aliases

Git support the concept of *aliases* which provides a way for users to extend Git in a lightweight fashion. Git aliases are conceptually very similar to Bash /Zsh aliases. Here we provide a list of aliases that you might find useful in your workflow.

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CO

A shortcut for checkout.

Installing

```
$ git config --global alias.co 'checkout'
```

Usage

```
$ git co
```

Example

```
$ git co -b bugfix  
Switched to a new branch 'bugfix'
```

ci

A shortcut for `commit`.

Installing

```
$ git config --global alias.ci 'commit'
```

Usage

```
$ git ci
```

Example

```
$ git ci -m 'Fixed typo in README'  
[master a0489d9] Fixed typo in README  
1 file changed, 1 insertion(+)
```

st

A shortcut for `status --short`.

Installing

```
$ git config --global alias.st 'status --short'
```

Usage

```
$ git st
```

Example

```
$ git st  
M README.md
```

root

Prints the top-level directory of the current repository.

Installing

```
$ git config --global alias.root 'rev-parse --show-toplevel'
```

Usage

```
$ git root
```

Example

```
$ git root  
/home/ehelin/git/github.com/openjdk/jdk
```

staged

Shows a diff of the staged changes.

Installing

```
$ git config --global alias.staged 'diff --staged'
```

Usage

```
$ git staged
```

Example

```
$ git staged
index 813fe32..4dc5c9a 100644
--- a/README.md
+++ b/README.md
@@ -1,6 +1,7 @@
- TYPO
+ # OpenJDK Project Skara

+Welcome to project Skara!
+
+ The goal of Project Skara is to investigate alternative SCM and code review
+ options for the OpenJDK source code, including options based upon Git rather than
+ Mercurial, and including options hosted by third parties.
```

publish

Publish the local branch to the `origin` remote and track it. *Note:* this alias conflicts with the Skara CLI tool's command `publish`, do **not** use both!

Installing

```
$ git config --global alias.publish '! git push --set-upstream origin $(git branch --show-current)'
```

Usage

```
$ git publish
```

Example

```
$ git publish
Enumerating objects: 27,
done.
Counting objects: 100% (27/27),
done.
Delta compression using up to 8
threads
Compressing objects: 100% (9/9),
done.
Writing objects: 100% (14/14), 2.05 KiB | 2.05 MiB/s,
done.
Total 14 (delta 7), reused 0 (delta 0), pack-reused
0
remote: Resolving deltas: 100% (7/7), completed with 7 local
objects.
remote:
remote: Create a pull request for 'https-credentials' on GitHub by
visiting:
remote:   https://github.com/edvbld/skara/pull/new/https-
credentials
remote:
```

sync

Push all commits from the remote `upstream` to the remote `origin`. *Note: this alias conflicts with the Skara CLI tool's command `sync`, do **not** use both!*

Installing

```
$ git config --global alias.sync '! git fetch upstream && git push --atomic origin $(git for-each-ref --format
"%{refname}:%{refname:strip=3}" refs/remotes/upstream)'
```

Usage

```
$ git sync
```

Example

```
$ git sync
remote: Enumerating objects: 27, done.
remote: Counting objects: 100% (27/27), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 14 (delta 7), reused 14 (delta 7), pack-reused 0
Unpacking objects: 100% (14/14), 2.05 KiB | 116.00 KiB/s, done.
From https://github.com/openjdk/skara
 0fec136..4b702e7  master    -> upstream/master
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/edvbld/skara.git
 92cc5c5..4b702e7  upstream/master -> master
```

glog

Shows the commit history as a graph in a compact format.

Installing

```
$ git config --global alias.glog "log --color --format='format:%C(auto)%h %C(auto)%s %C(auto)%d' --graph --all
--abbrev"
```

Usage

```
$ git glog
```

Example

```
$ git glog
* 939a493bdd Merge (HEAD -> fibers, origin/fibers, origin/HEAD)
|\
| * 6a9a93bc32 Minor improvements
* | c5756b560d Merge
|\|
| * bcd8c8622a 8240914: java_lang_Throwable::fill_in_stack_trace should use Handler for "cont"
| * 0965d252c1 8241331: Implement basic support of test execution using vthread wrapper
| * f0a7aab1f6 Replace fibers by virtual threads in the test summary
* | 55a94cafe9 Merge
|\|
| * f5a2ff5c2c JFR Thread Sleep event for virtual threads
* | 15d5a97ec0 Merge
|\|
| * 28709d479c Merge
| |\
| | * af28093ed8 Merge (origin/master, master)
| | |\
| | | * 9fe762d3c5 8241162: ProblemList serviceability/sa/TestHeapDumpForInvokeDynamic.java on OSX
| | * | ea367322f2 8241030: rename HtmlTag to TagName
| | | /
| | * 34b9ac2287 8236285: [JVMCI] improve TranslatedException traces
```