

# 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
```