

Git revisions cheatsheet

A list of revision specifications you can use with `git log` and many other Git commands. Summarized from `gitrevisions(7)` man page.

Example usages

<code>git log master...develop</code>	inspect differences in branches
<code>git rebase -i HEAD~3</code>	rebase last 3 commits
<code>git reset --hard HEAD@{2}</code>	undo last operation that changed HEAD
<code>git checkout v2^{}</code>	checkout the v2 tag (not v2 branch)
The 3rd argument in each of these commands is a gitrevision. These gitrevisions can be passed to many Git commands.	

Common git revisions

<code>git show dae68e1</code>	
<code>git show HEAD</code>	
<code>git show v1.0.0</code>	
<code>git show master</code>	latest commit on master
<code>git show origin/master</code>	latest commit on origin/master
<code>git show master~2</code>	2 commits back from master
<code>git show master..fix</code>	reachable from fix but not master
<code>git show master...fix</code>	reachable from fix and master

Reference

Commits

```
git checkout dae68e1
```

sha1

Searching back

```
git checkout master@{yesterday}
```

also 1 day ago, etc

```
git checkout master@{2}
```

2nd prior value

```
git checkout master@{push}
```

where master would push to

```
git checkout master^
```

parent commit

```
git checkout master^2
```

2nd parent, eg, what it merged

```
git checkout master~5
```

5 parents back

```
git checkout master^0
```

this commit; disambiguates from tags

```
git checkout v0.99.8^{tag}
```

can be commit, tag, tree, object

```
git checkout v0.99.8^{}
```

defaults to {tag}

```
git checkout ":/fix bug"
```

searches commit messages

```
git log master
```

reachable parents from master

These are just the common ones, there's a lot more below! (There are many other commands, not just `git show`.)

References

```
git checkout HEAD
```

```
git checkout master
```

```
git checkout v1.0.0
```

```
git checkout origin/master
```

aka, refs/remotes/origin/master

Other

```
git checkout heads/master
```

aka, refs/heads/master

```
HEAD:README
```

```
0:README
```

Ranges

Ranges

Ranges illustration

<code>git log ^master</code>	exclude reachable parents from master
<code>git log master..fix</code>	reachable from fix but not master
<code>git log master...fix</code>	reachable from fix and master, but not both
<code>git log HEAD^@</code>	parents of HEAD
<code>git log HEAD^!</code>	HEAD, then excluding parents's ancestors
<code>git log HEAD^{:/fix}</code>	search previous HEADs matching criteria

References

[Git Tools - Revision Selection \(git-scm.com\)](#)

[gitrevisions\(7\) \(kernel.org\)](#)

```
graph LR
    A --- E
    A --- B
    E --- F
    F --- G
    B --- C
    C --- D
    style A fill:none,stroke:none
    style E fill:none,stroke:none
    style F fill:none,stroke:none
    style G fill:none,stroke:none
    style B fill:none,stroke:none
    style C fill:none,stroke:none
    style D fill:none,stroke:none
    E --- master
    D --- fix
```

`git log master..fix`

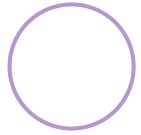
`git log master...fix`

BC



0 Comments for this cheatsheet. [Write yours!](#)

[devhints.io](#) / Search 368+ cheatsheets



Over 368 curated
cheatsheets, by
developers for developers.

Devhints home

Other Git cheatsheets

Tig
cheatsheet

Git log format string
cheatsheet

Git branches
cheatsheet

Git extras
cheatsheet

git log
cheatsheet

Git tricks
cheatsheet

Top cheatsheets

Elixir
cheatsheet

ES2015+
cheatsheet

React.js
cheatsheet

Vim
cheatsheet

Vim scripting
cheatsheet

Capybara
cheatsheet