



Git revisions cheatsheet

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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.

Reference

Commits

<code>git checkout dae68e1</code>	sha1
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Searching back

<code>git checkout master@{yesterday}</code>	also 1 day ago, etc
<code>git checkout master@{2}</code>	2nd prior value
<code>git checkout master@{push}</code>	where master would push to

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>
<code>git show origin/master</code>
<code>git show master~2</code>
<code>git show master..1</code>
<code>git show master..</code>

References

References are just the common names for revisions. (These work in many other programs too.)

<code>git checkout HEAD</code>
<code>git checkout master</code>
<code>git checkout v1.0</code>
<code>git checkout origin/master</code>

Other

<code>git checkout heads/master</code>
<code>HEAD:README</code>
<code>0:README</code>

<code>git checkout master^</code>	parent commit
<code>git checkout master^2</code>	2nd parent, eg, what it merged
<code>git checkout master~5</code>	5 parents back
<code>git checkout master^0</code>	this commit; disambiguates from tags

Ranges

<code>git log master</code>	reachable parents from master	can be it, tag, object
<code>git log ^master</code>	exclude reachable parents from master	ults to {tag}
<code>git log master..fix</code>	reachable from fix but not master	arches commit ssages
<code>git log master...fix</code>	reachable from fix and master, but not both	

References


<code>git log HEAD^@</code>	parents of HEAD
<ul style="list-style-type: none"> Git Tools - Revision Selection (git-scm.com) gitrevisions(7) (kernel.org) 	
<code>git log HEAD^{:/fix}</code>	search previous HEADs matching criteria

Ranges illustration

A — E — F — G mas

```
git log master..f:
```

```
git log master...f
```

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