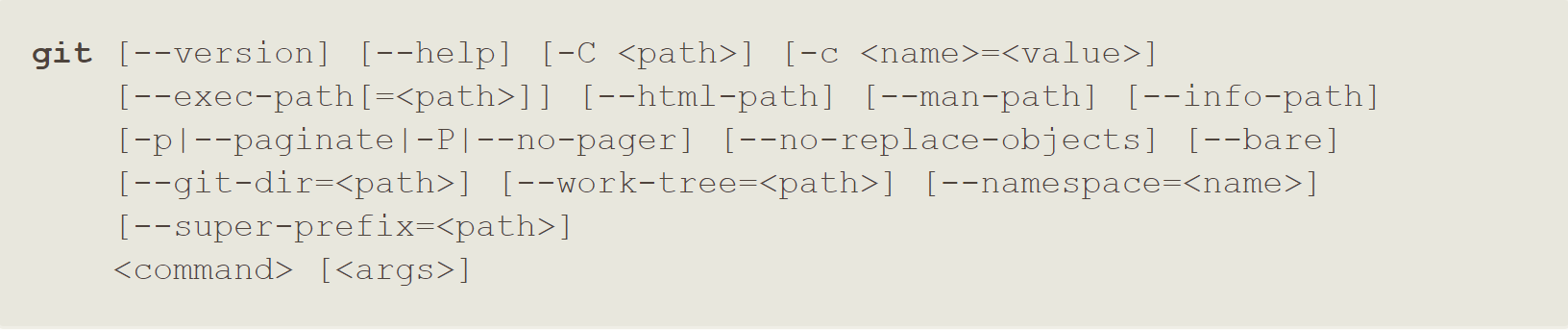
Git

Agenda:

1. Setup and Config
   1. git
   2. config
   3. help
2. Getting and Creating Projects
   1. init
   2. clone
3. Basic Snapshotting
   1. add
   2. status
   3. diff
   4. commit
   5. notes
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   7. reset
   8. rm
   9. mv
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   2. checkout
   3. switch
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   5. mergetool
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   4. remote
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13. Server Admin
    1. daemon
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14. Plumbing Commands
    1. cat-file
    2. check-ignore
    3. checkout-index
    4. commit-tree
    5. count-objects
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    7. for-each-ref
    8. hash-object
    9. ls-files
    10. ls-tree
    11. merge-base
    12. read-tree
    13. rev-list
    14. rev-parse
    15. show-ref
    16. symbolic-ref
    17. update-index
    18. update-ref
    19. verify-pack
    20. write-tree
15. Setup and Config
    1. Git



**Prints the Git suite version that the git program came from.**

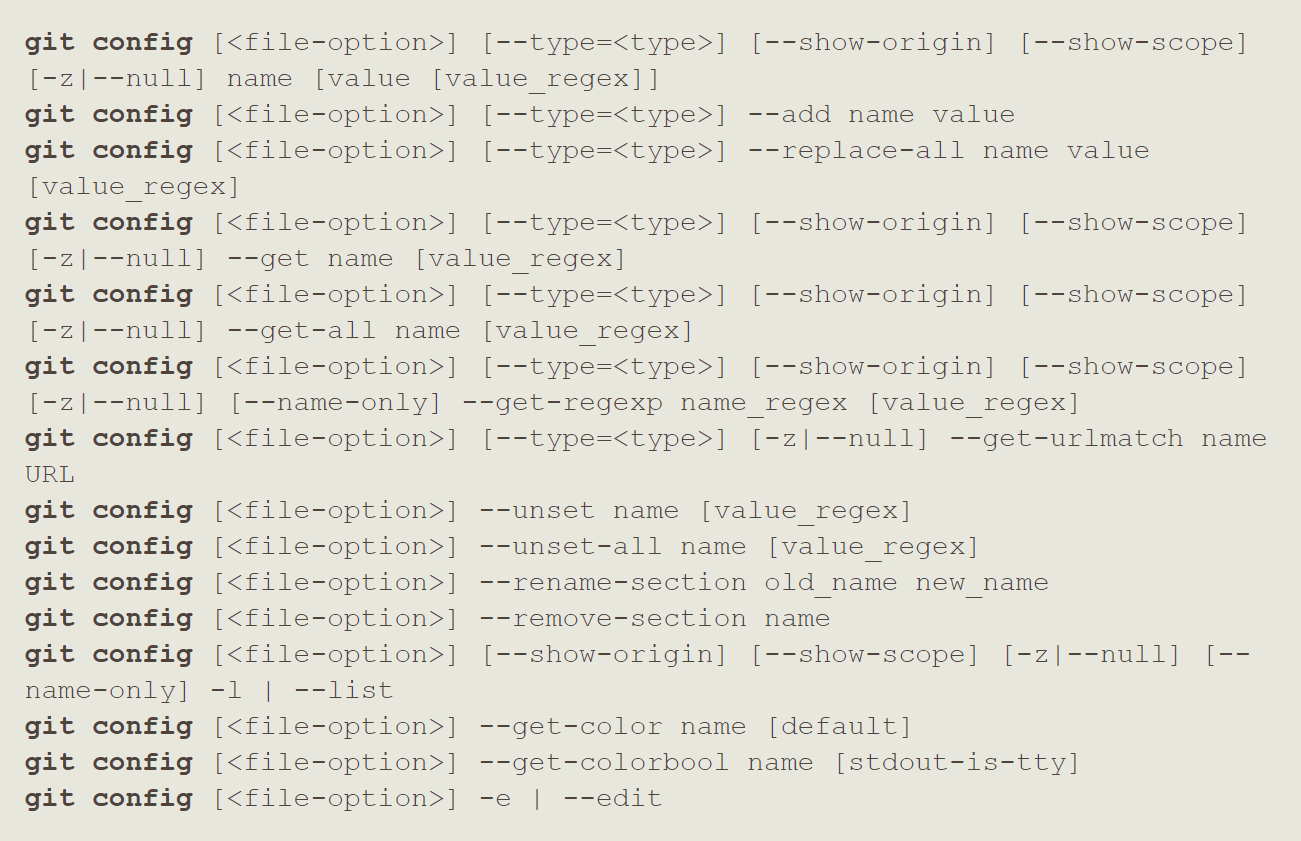
**$ git --version**

**Prints the synopsis and a list of the most commonly used commands.**

**$ git --help**

**$ git --help --all | -a**

* 1. Config



**Checking configuration settings:**

**$ git config --list**

**You can view all of your settings and where they are coming from using:**

**$ git config –-list --show-origin**

**Set your user name and email address globally:**

**$ git config --global user.name "<username>"**

**$ git config --global user.email <email>**

**Set your user name and email address for a specific project:**

**$ git config user.name "<username>"**

**$ git config user.email <email>**

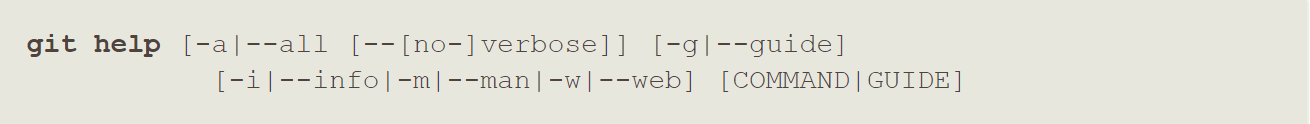
**Set up text editor for git:**

**$ git config --global core.editor <editor-name>**

**You can also check what Git thinks a specific key’s value is by typing:**

**$ git config <key>**

* 1. Help



**If you ever need help while using Git, there are three equivalent ways to get the comprehensive manual**

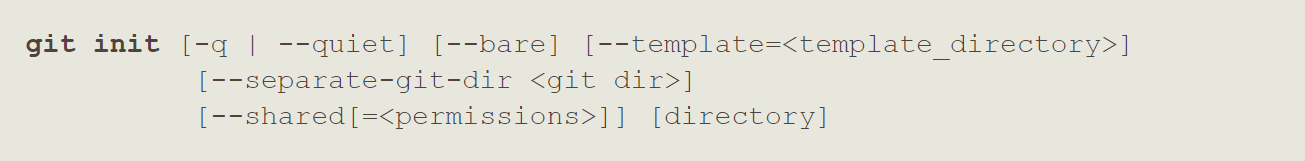
**page (manpage) help for any of the Git commands:**

**$ git help <verb>**

**$ git <verb> --help**

**$ man git-<verb>**

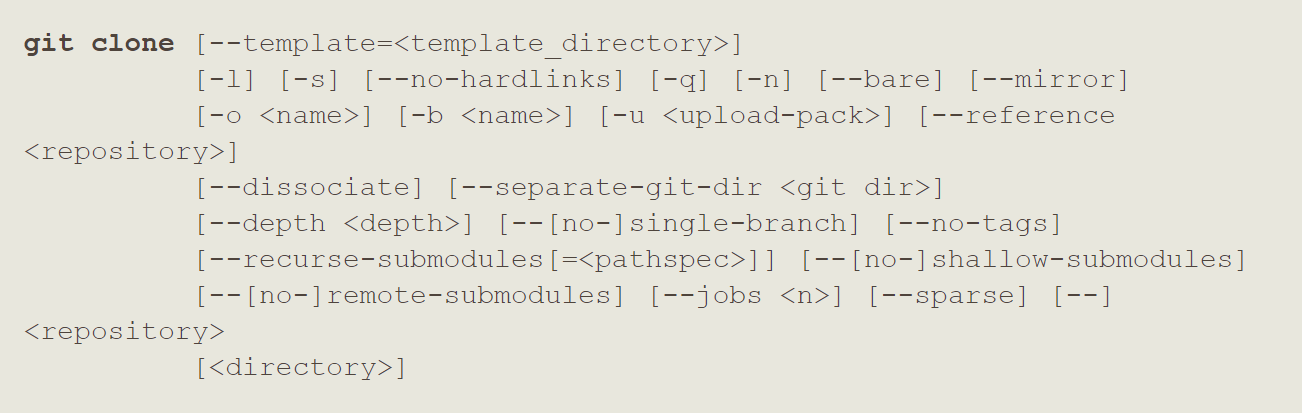
1. Getting and Creating Projects
   1. Init



**Creating a git repository:**

**$ git init**

* 1. Clone

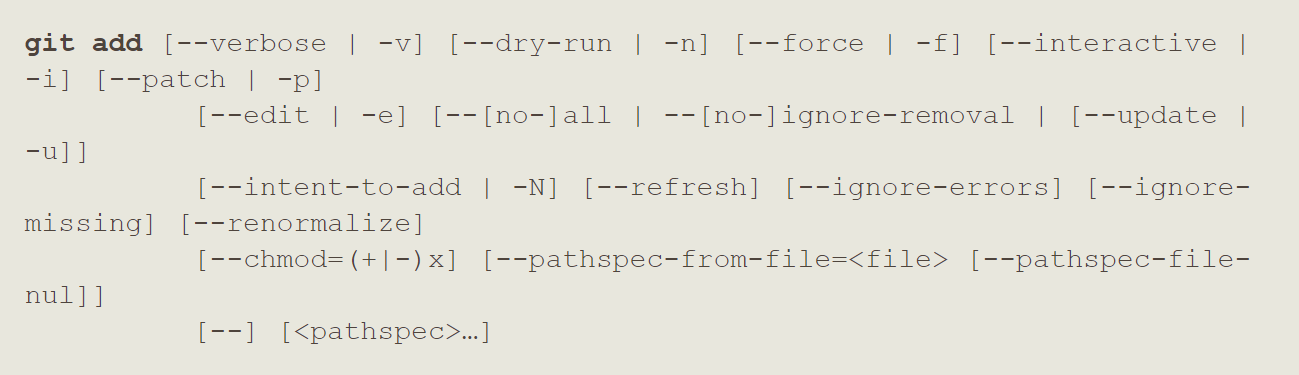


**Cloning an existing repository:**

**$ git clone <url>**

**$ git clone <url> <filename>**

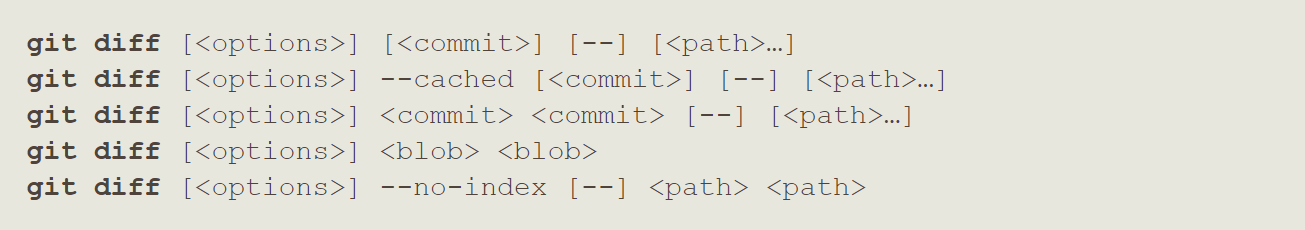
1. Basic Snapshotting
   1. Add



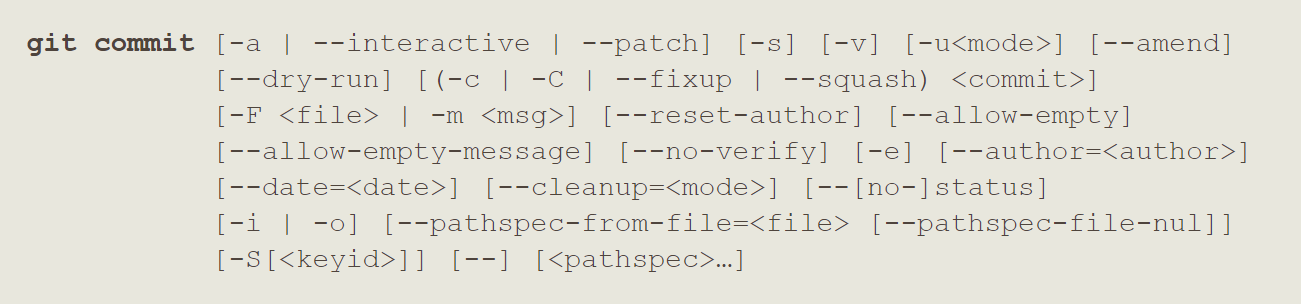
* 1. Status



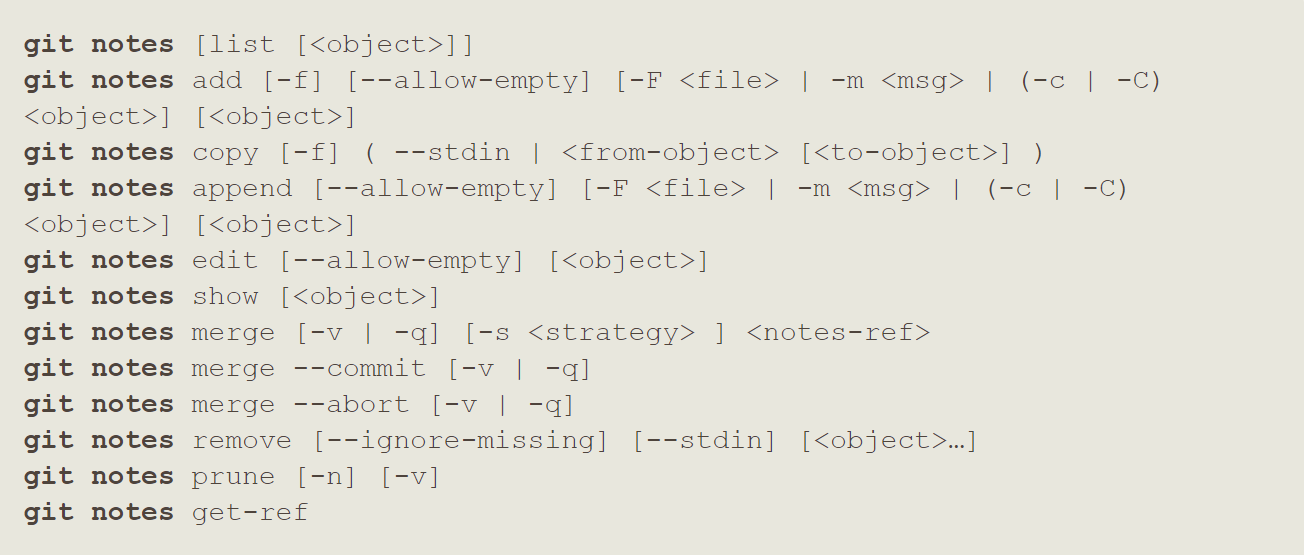
* 1. Diff



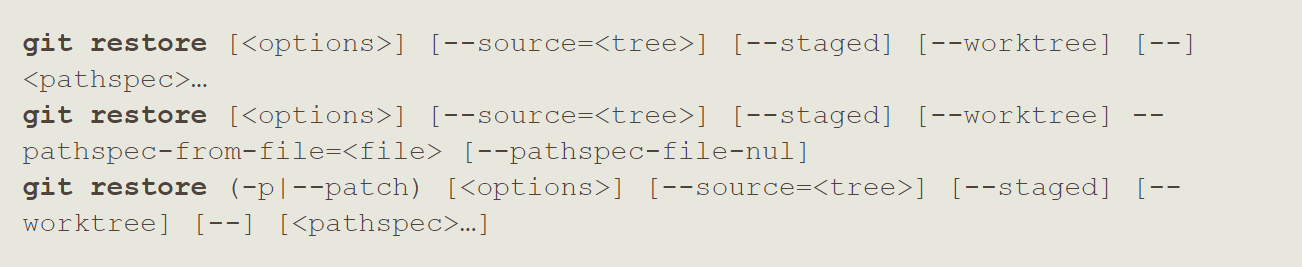
* 1. Commit



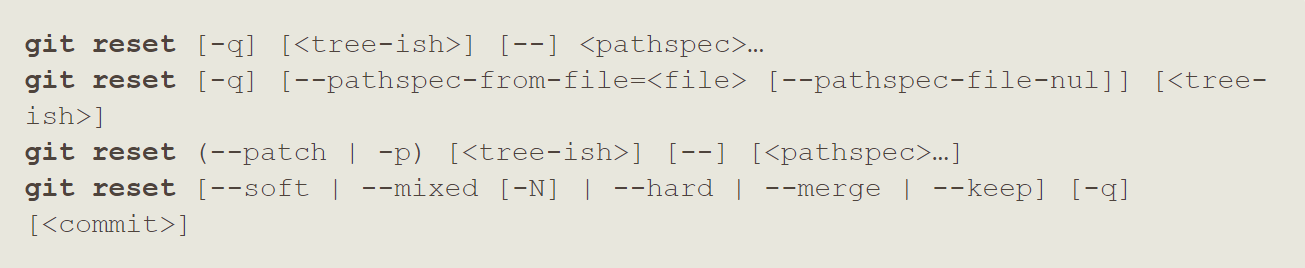
* 1. Notes



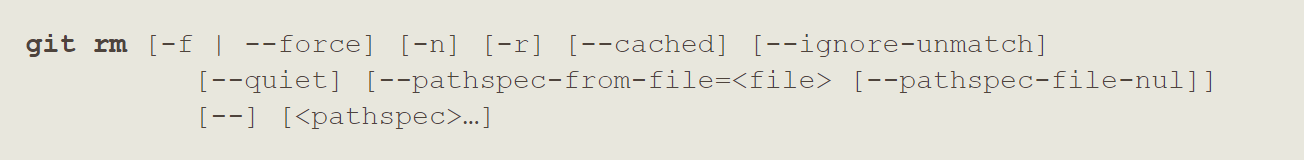
* 1. Restore



* 1. Reset



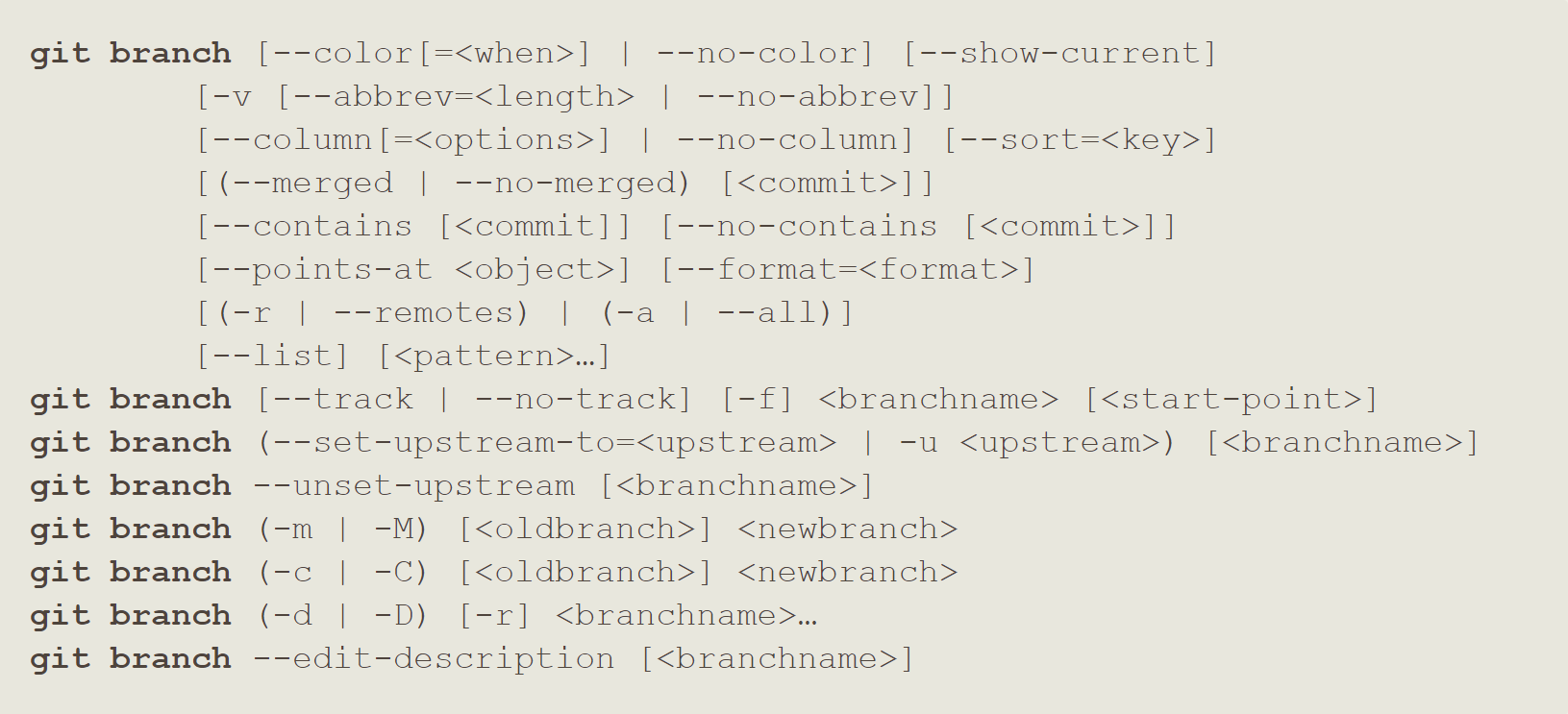
* 1. Rm



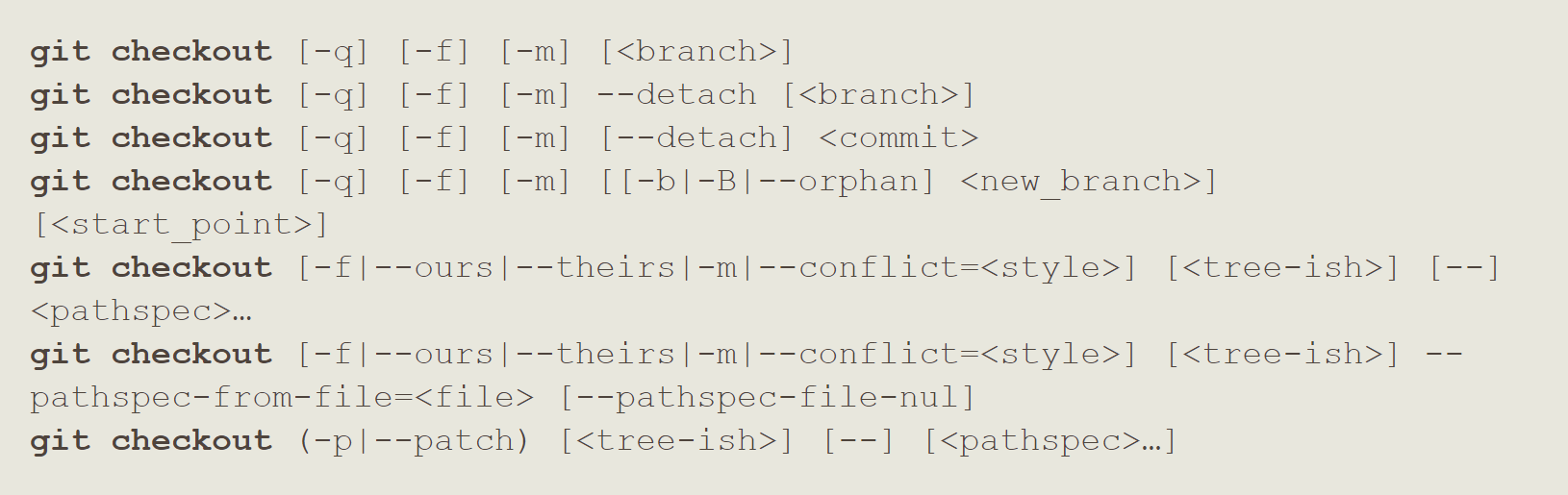
* 1. Mv



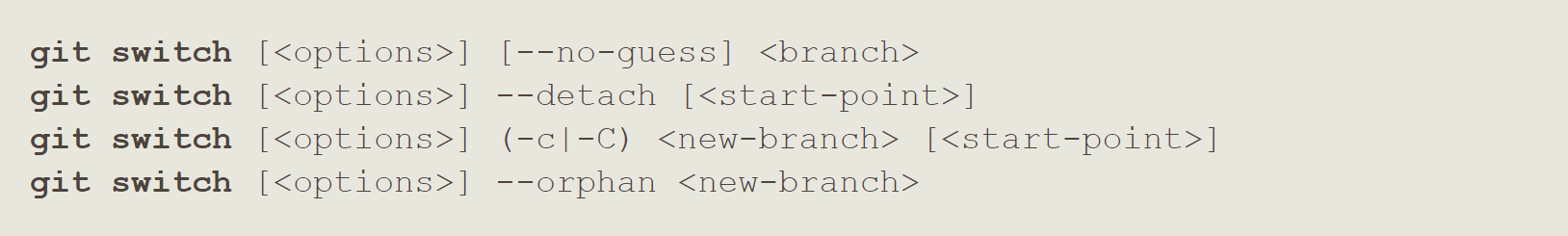
1. Branching and Merging
   1. Branch



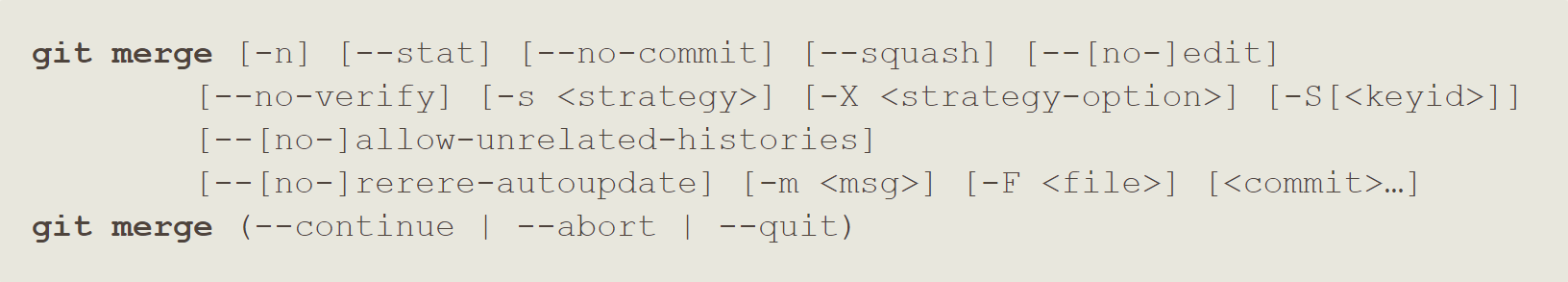
* 1. Checkout



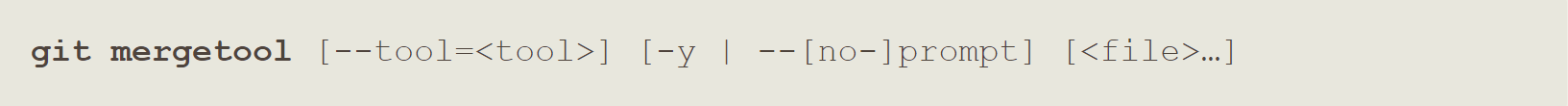
* 1. Switch



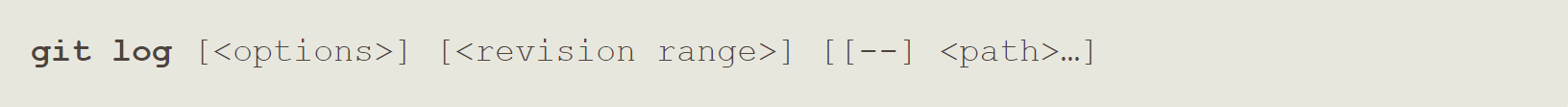
* 1. Merge



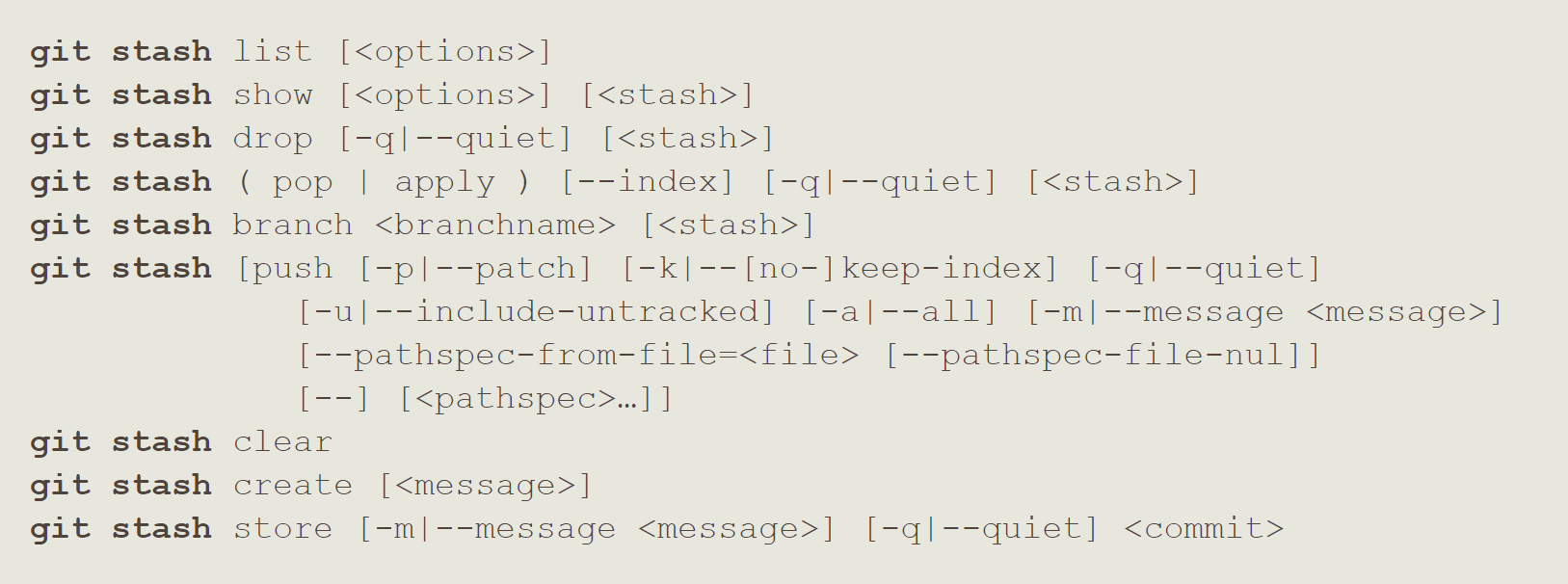
* 1. Mergetool



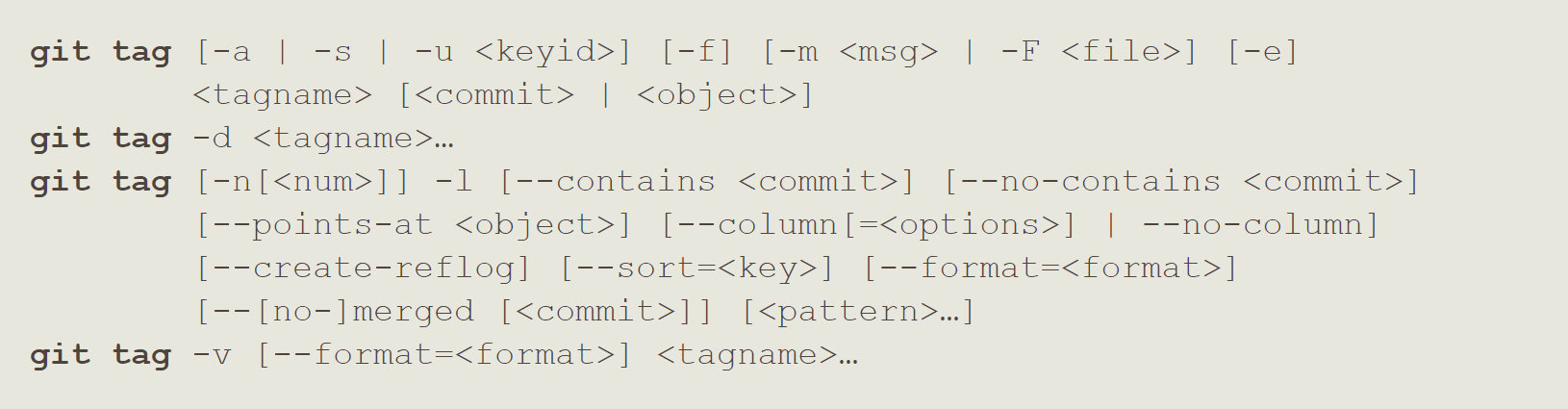
* 1. Log



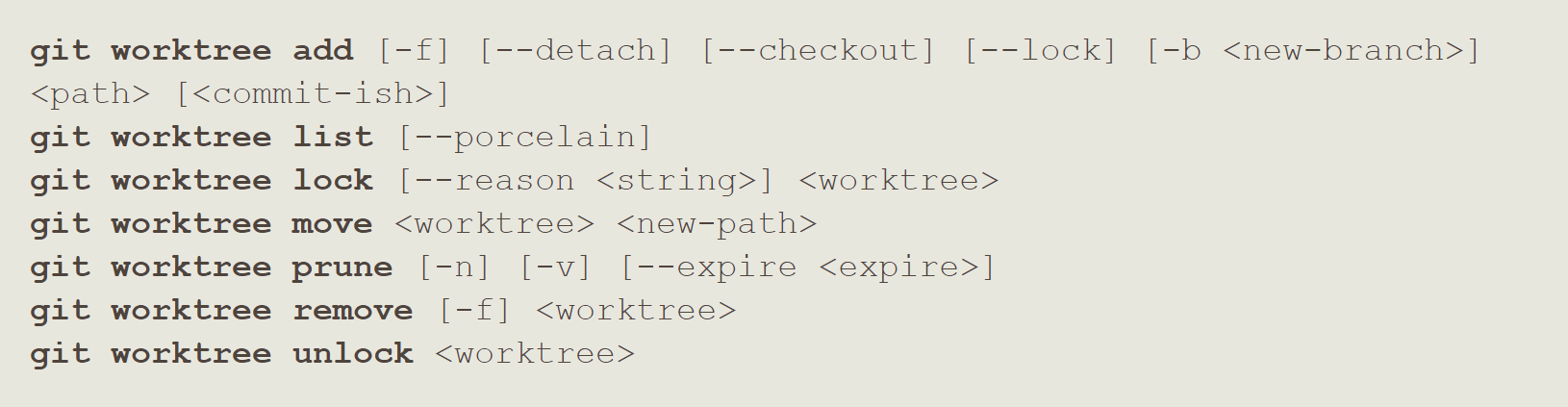
* 1. Stash



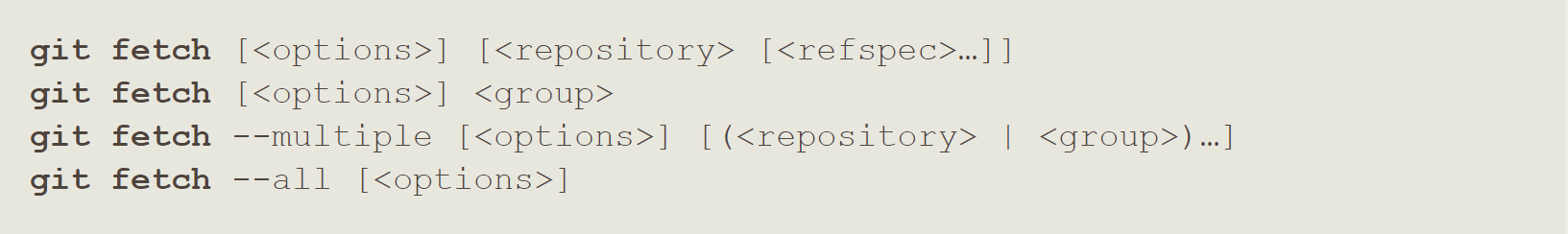
* 1. Tag



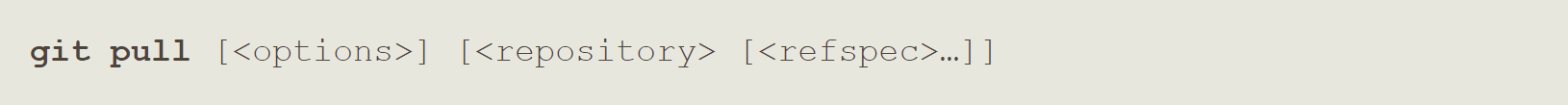
* 1. Worktree



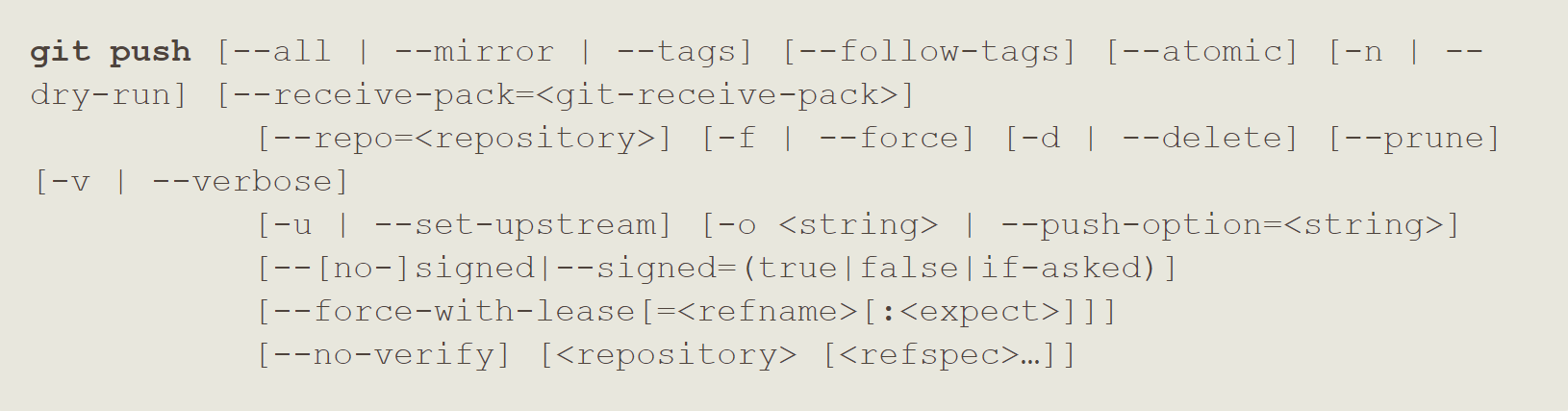
1. Sharing and Updating Projects
   1. Fetch



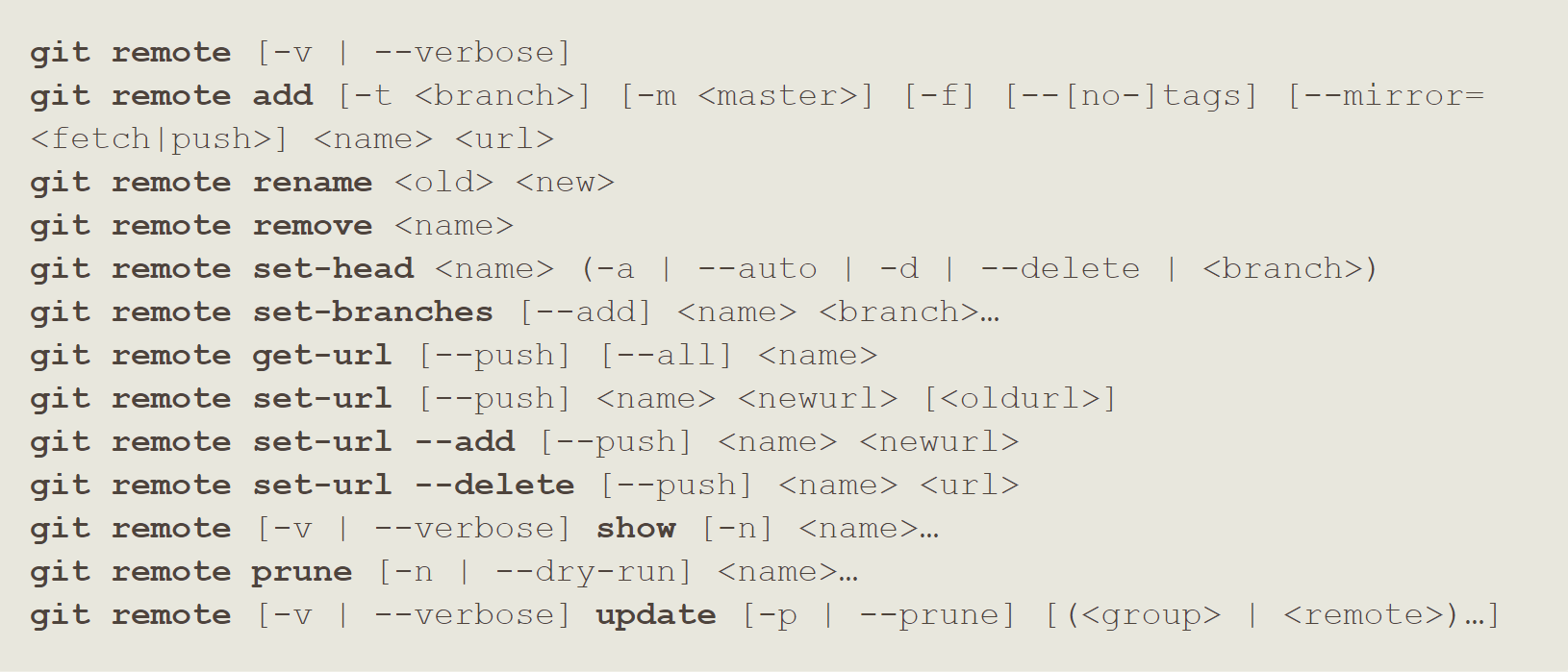
* 1. Pull



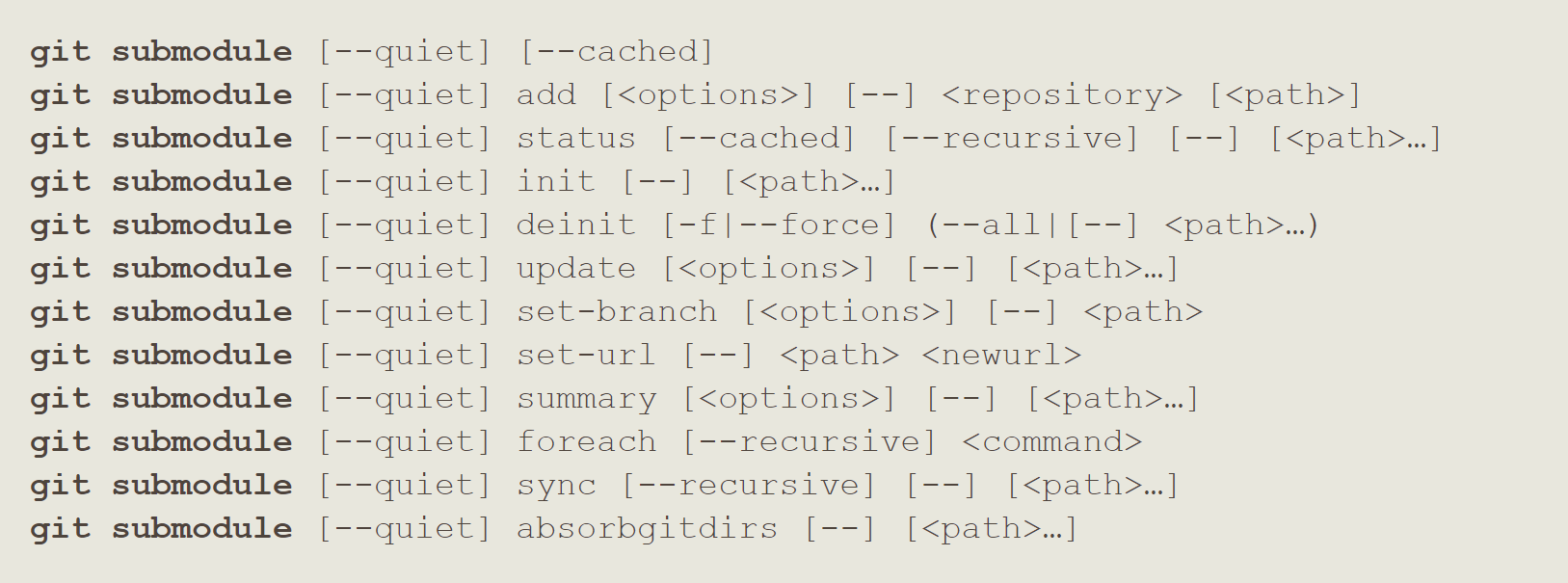
* 1. Push



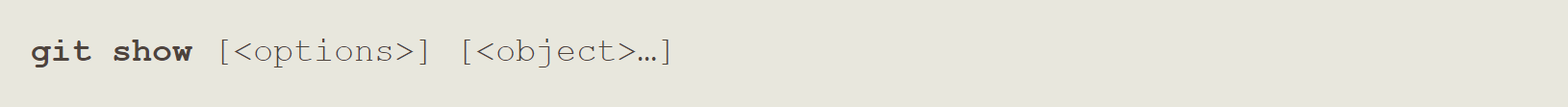
* 1. Remote



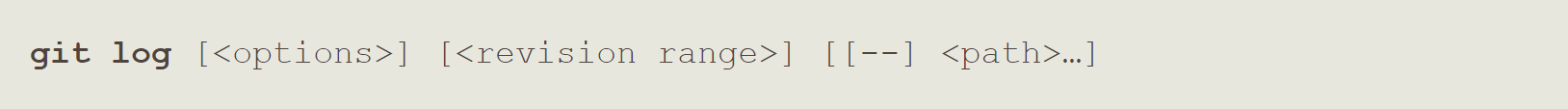
* 1. Submodule



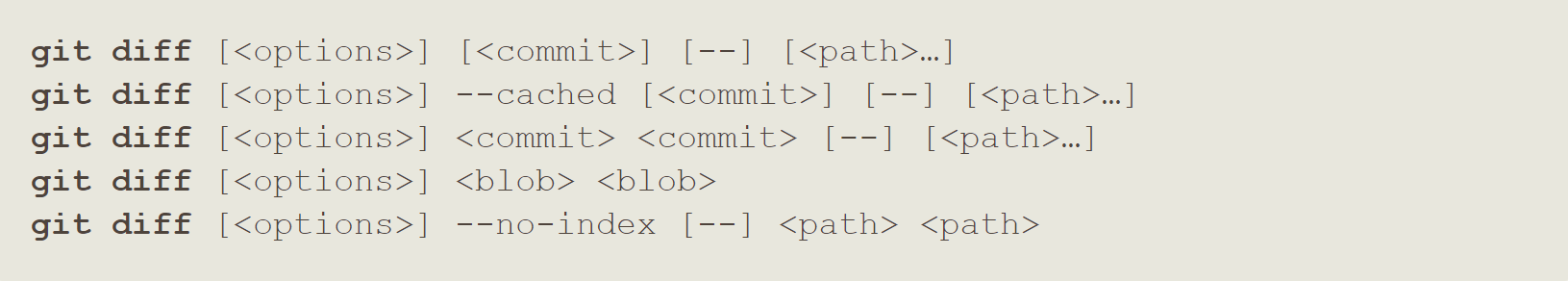
1. Inspection and Comparison
   1. Show



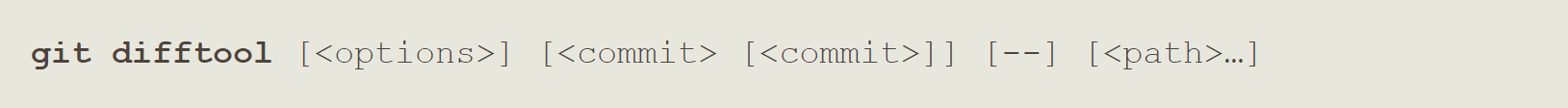
* 1. Log



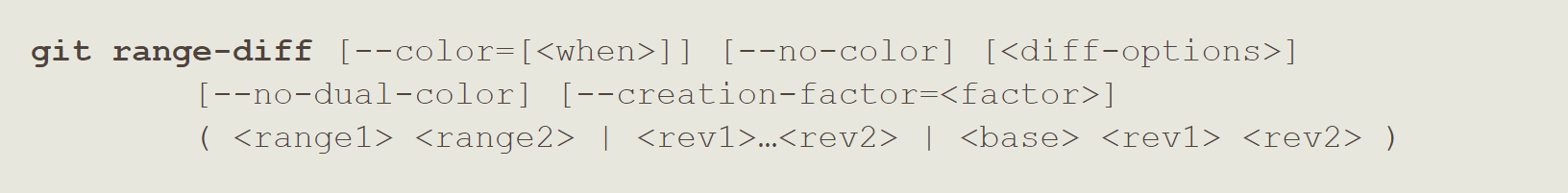
* 1. Diff



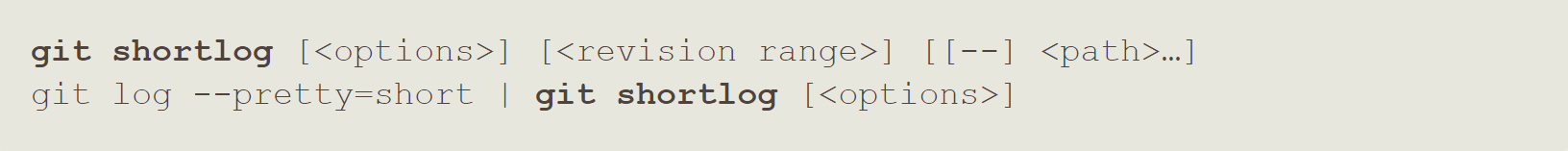
* 1. Difftool



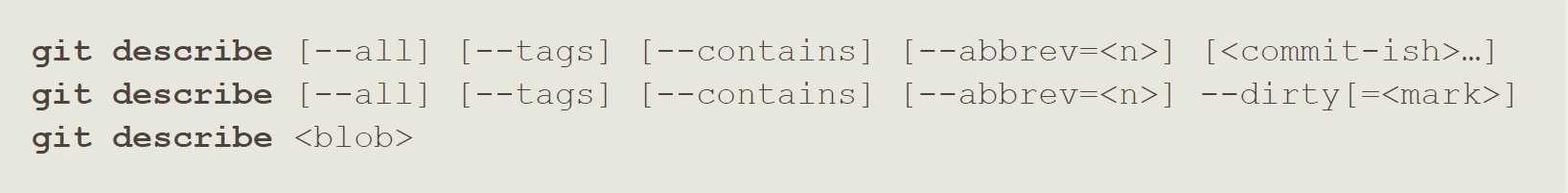
* 1. range-diff



* 1. shortlog



* 1. describe



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