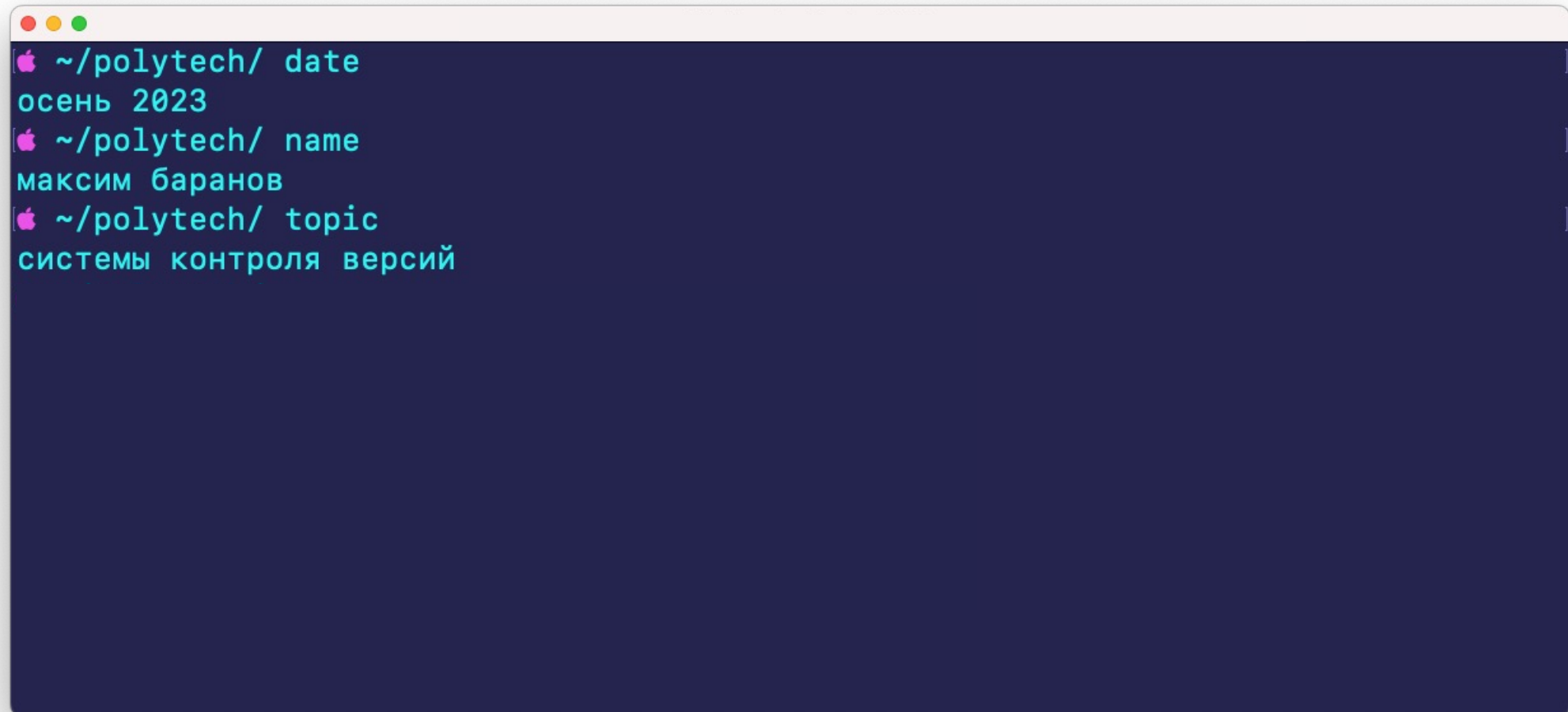


ИНФОРМАТИКА



```
~/polytech/ date
осень 2023
~/polytech/ name
максим баранов
~/polytech/ topic
системы контроля версий
```

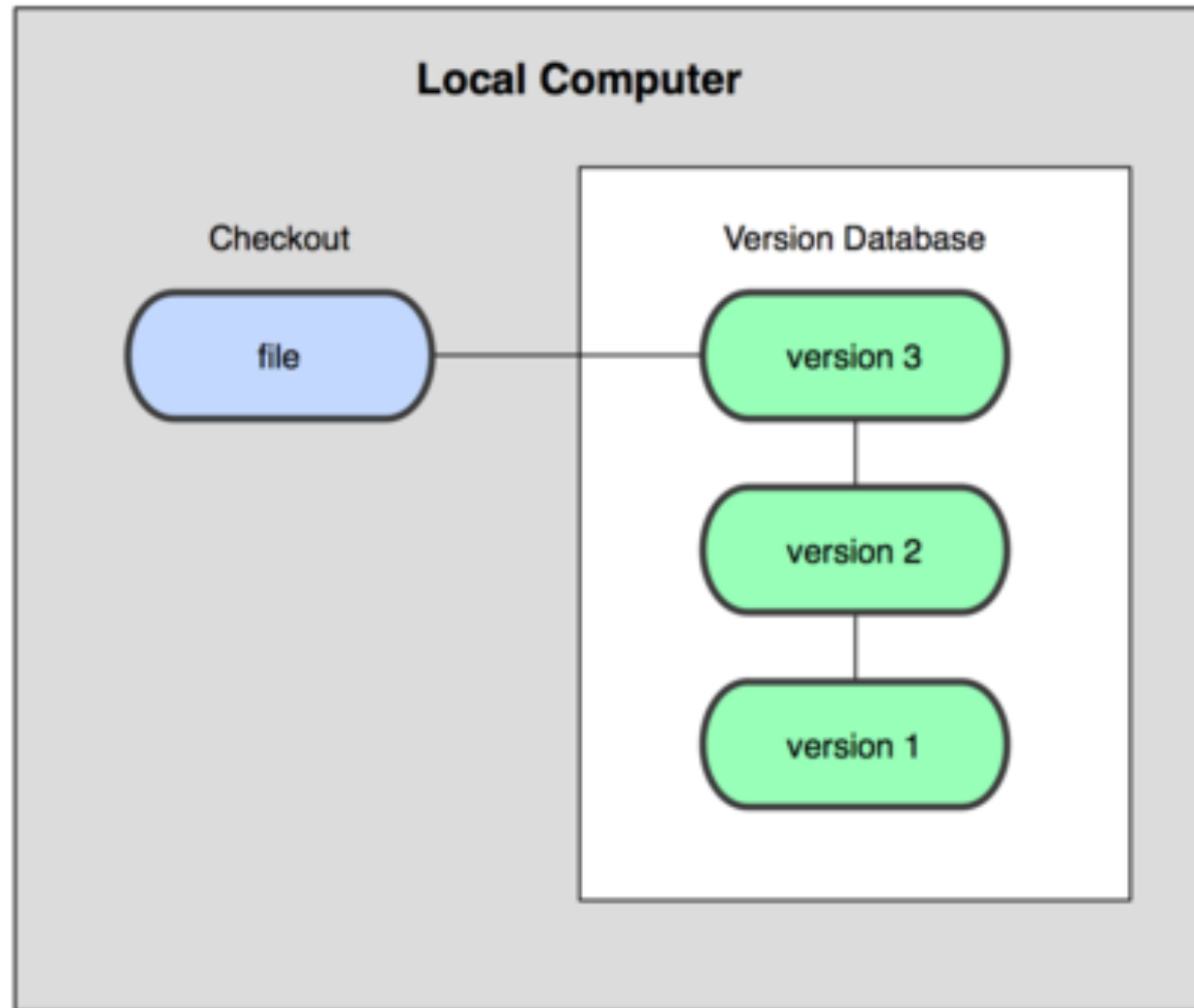
GitHub

GitHub - интернет-сервис для хостинга git-репозиториев

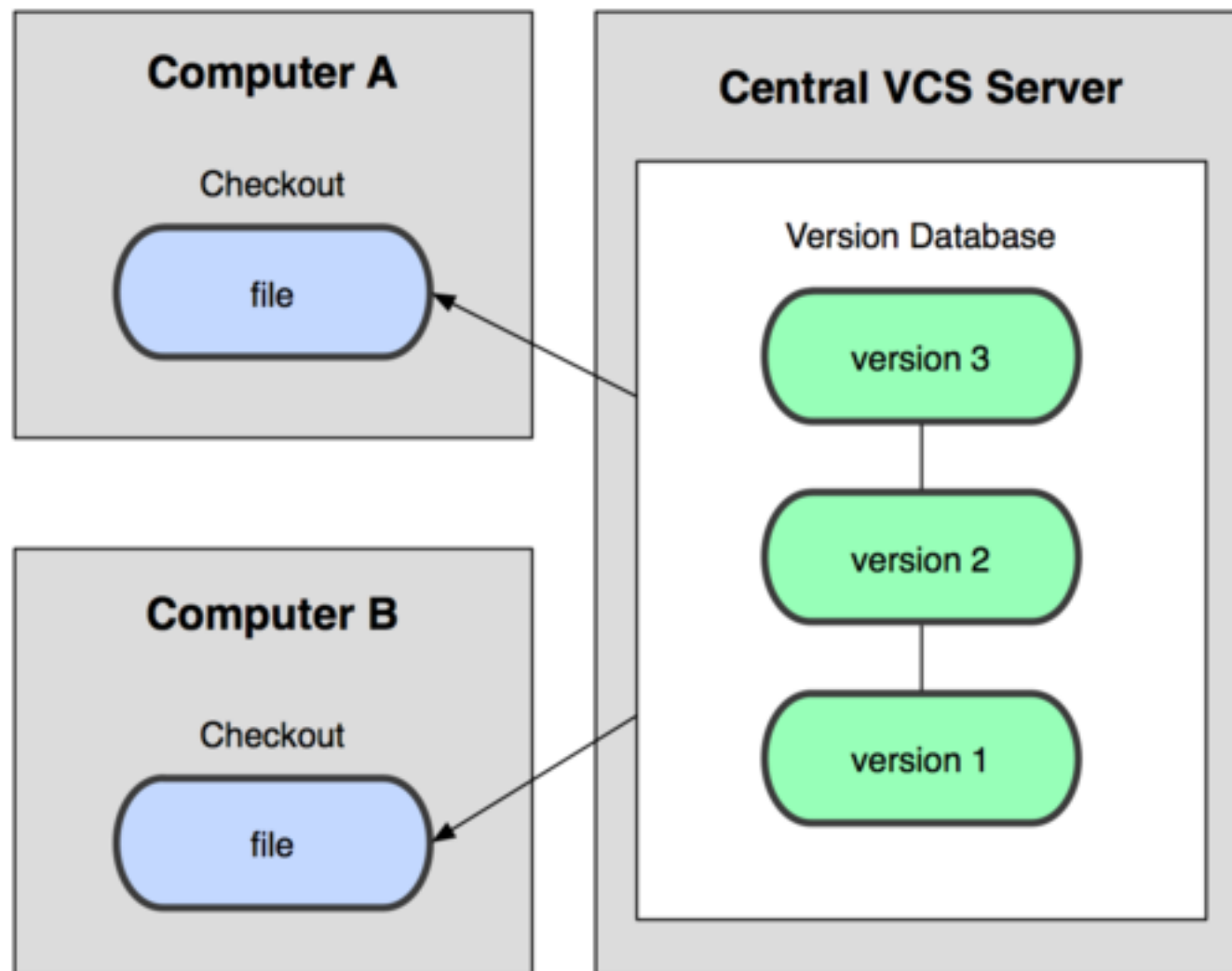


Git – система контроля версий

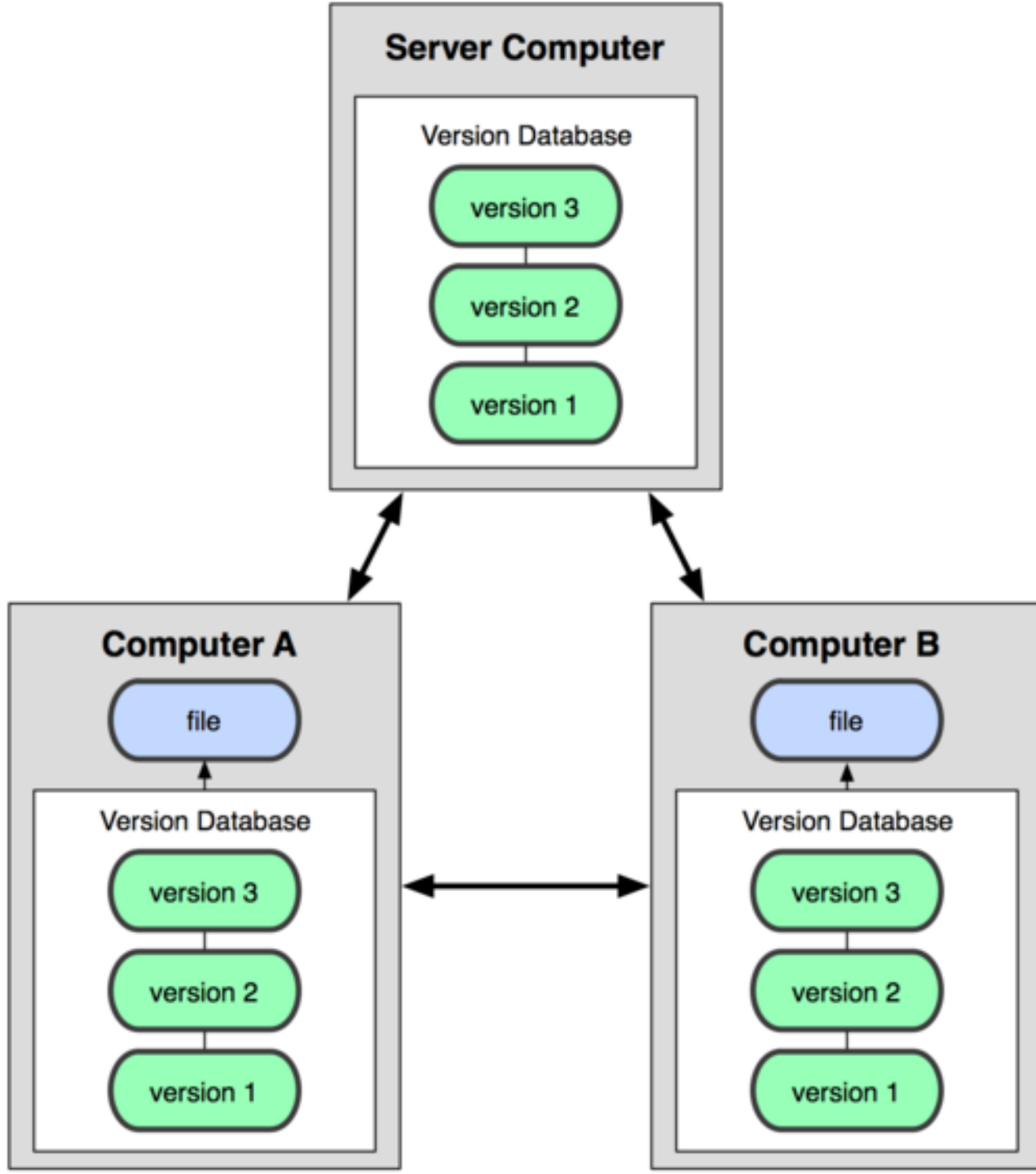




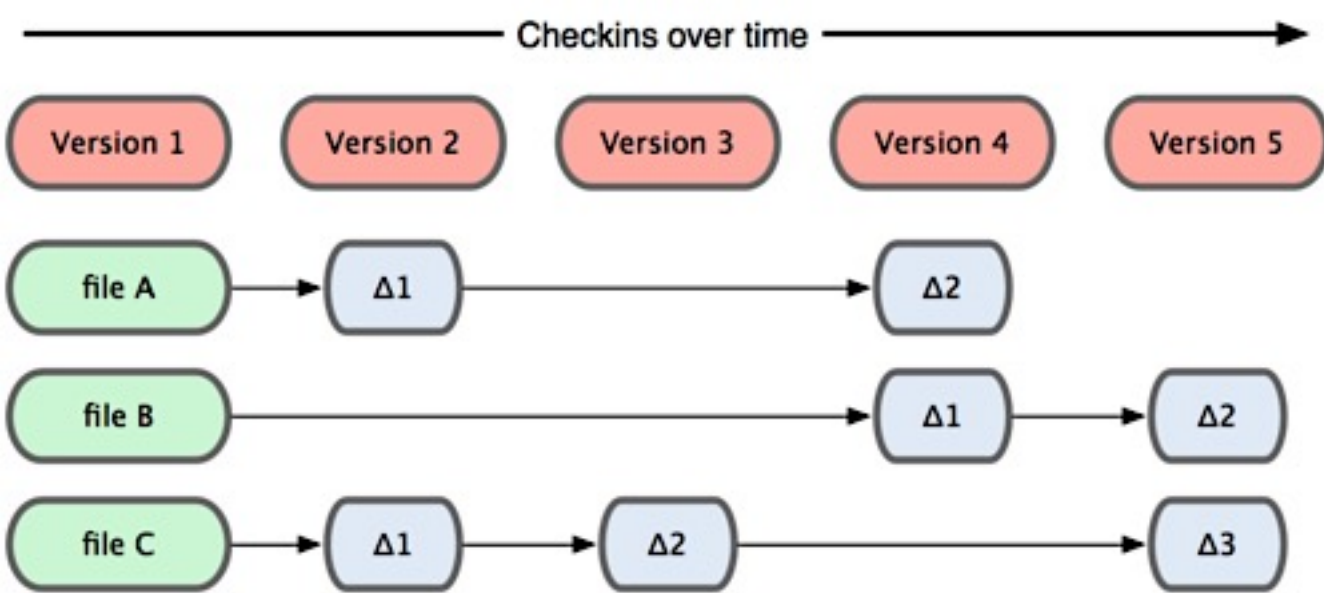
ЛОКАЛЬНЫЕ СИСТЕМЫ КОНТРОЛЯ ВЕРСИЙ



ЦЕНТРАЛИЗОВАННЫЕ СИСТЕМЫ КОНТРОЛЯ
ВЕРСИЙ



РАСПРЕДЕЛЕННЫЕ СИСТЕМЫ КОНТРОЛЯ
ВЕРСИЙ

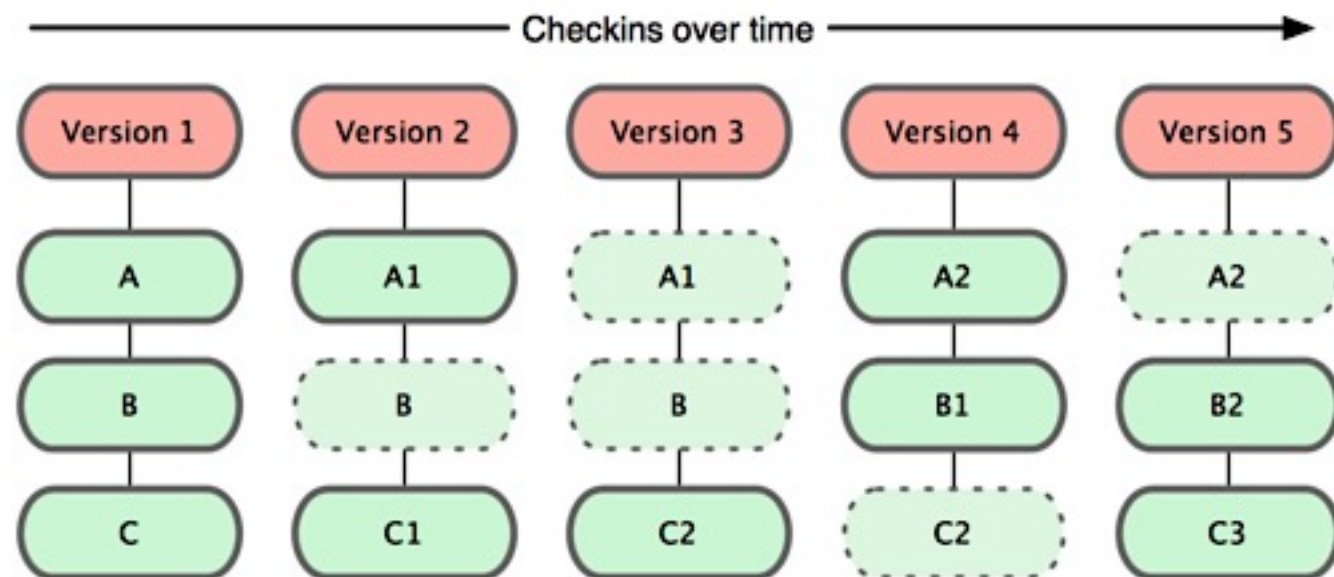


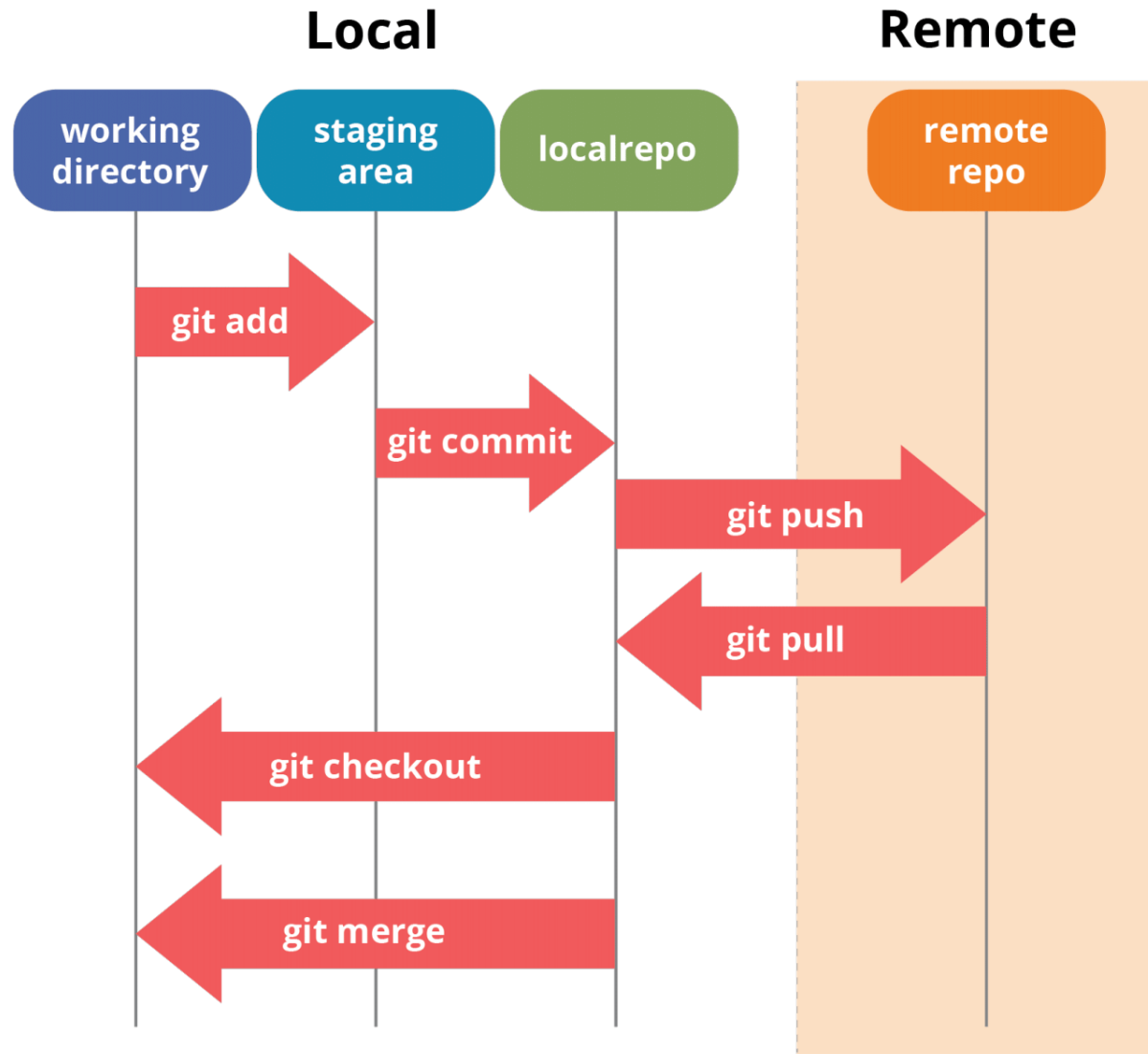
GIT



↑

RCS







Fork

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[Français](#),

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[日本語](#),

[한국어](#),

[Nederlands](#),

[Русский](#),

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[Tagalog](#).

Book

The entire Pro Git book, written by Scott Chacon and Ben Straub and published by Apress, is available here. All content is licensed under the [Creative Commons Attribution Non Commercial Share Alike 3.0 license](#). Print versions of the book are available on [Amazon.com](#).

The version found here has been updated with corrections and additions from [hundreds of contributors](#). If you see an error or have a suggestion, patches and issues are welcome in its [GitHub repository](#).



2nd Edition (2014)

Download Ebook



1. Введение

- 1.1 О системе контроля версий
- 1.2 Краткая история Git
- 1.3 Что такое Git?
- 1.4 Командная строка
- 1.5 Установка Git
- 1.6 Первоначальная настройка Git
- 1.7 Как получить помощь?
- 1.8 Заключение

2. Основы Git

- 2.1 Создание Git-репозитория
- 2.2 Запись изменений в репозиторий





Fork

ОТДЕЛЬНЫЕ КЛИЕНТЫ



Sublime Merge



Visual Studio Code





Create a Repository

From scratch -- Create a new local repository

```
$ git init [project name]
```

Download from an existing repository

```
$ git clone my_url
```

Observe your Repository

List new or modified files not yet committed

```
$ git status
```

Show the changes to files not yet staged

```
$ git diff
```

Show the changes to staged files

```
$ git diff --cached
```

Show all staged and unstaged file changes

```
$ git diff HEAD
```

Show the changes between two commit ids

```
$ git diff commit1 commit2
```

List the change dates and authors for a file

```
$ git blame [file]
```

Show the file changes for a commit id and/or file

```
$ git show [commit]:[file]
```

Show full change history

```
$ git log
```

Show change history for file/directory including diffs

```
$ git log -p [file/directory]
```

Working with Branches

List all local branches

```
$ git branch
```

List all branches, local and remote

```
$ git branch -av
```

Switch to a branch, my_branch, and update working directory

```
$ git checkout my_branch
```

Create a new branch called new_branch

```
$ git branch new_branch
```

Delete the branch called my_branch

```
$ git branch -d my_branch
```

Merge branch_a into branch_b

```
$ git checkout branch_b
```

```
$ git merge branch_a
```

Tag the current commit

```
$ git tag my_tag
```

Make a change

Stages the file, ready for commit

```
$ git add [file]
```

Stage all changed files, ready for commit

```
$ git add .
```

Commit all staged files to versioned history

```
$ git commit -m "commit message"
```

Commit all your tracked files to versioned history

```
$ git commit -am "commit message"
```

Unstages file, keeping the file changes

```
$ git reset [file]
```

Revert everything to the last commit

```
$ git reset --hard
```

Synchronize

Get the latest changes from origin (no merge)

```
$ git fetch
```

Fetch the latest changes from origin and merge

```
$ git pull
```

Fetch the latest changes from origin and rebase

```
$ git pull --rebase
```

Push local changes to the origin

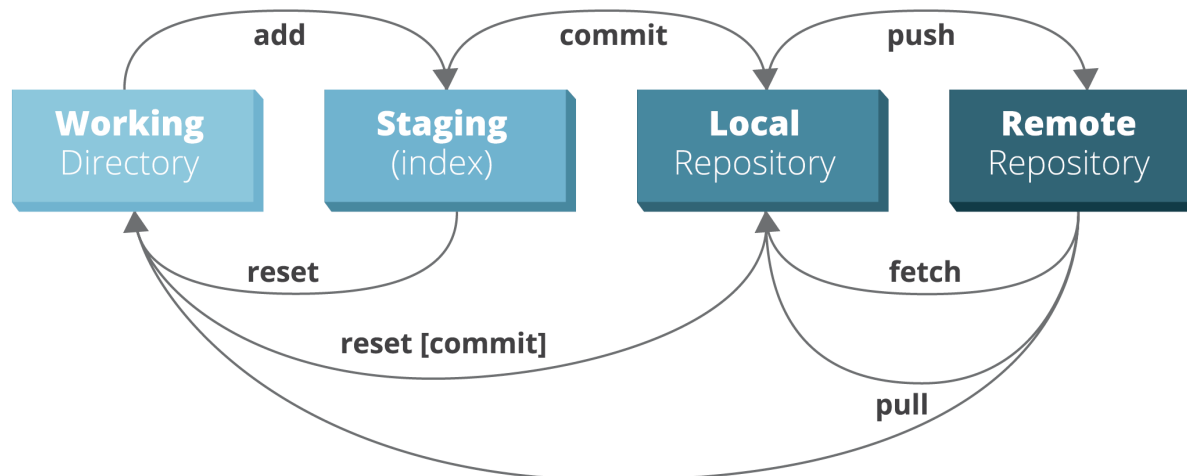
```
$ git push
```

Finally!

When in doubt, use git help

```
$ git command --help
```

Or visit <https://training.github.com/> for official GitHub training.



Соглашение о коммитах

Простое соглашение о том, как нужно писать сообщения коммитов

[Главное](#)[Спецификация](#)[GitHub](#)

drink
more
water!

