

Git in PandaRoot



Ralf Kliemt
Panda Meeting I 2017

A Small GIT Tutorial

Repositories

pandaatfair.github.io



UserSpace



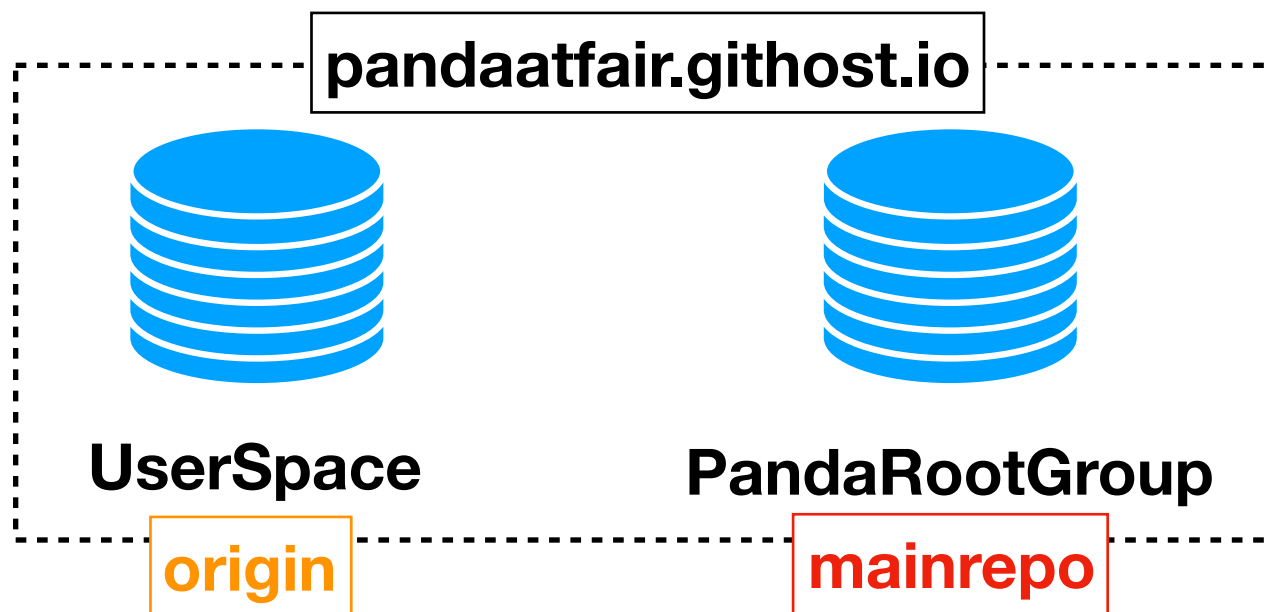
PandaRootGroup



Local Computer

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Repositories

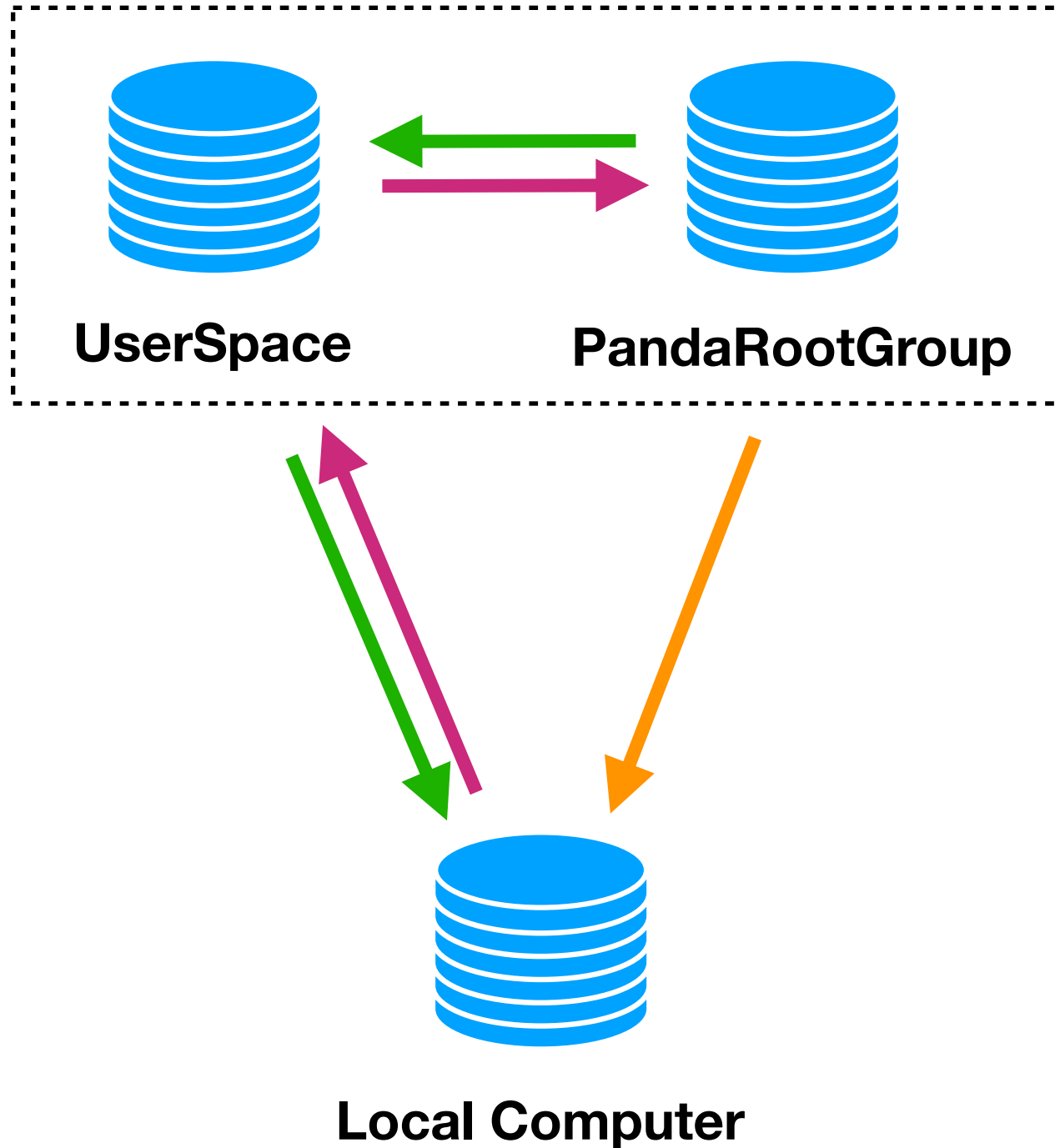


Shortcuts

- **origin:**
...githost.io/<user>/PandaRoot.git
- **mainrepo:**
...githost.io/PandaRootGroup/PandaRoot.git

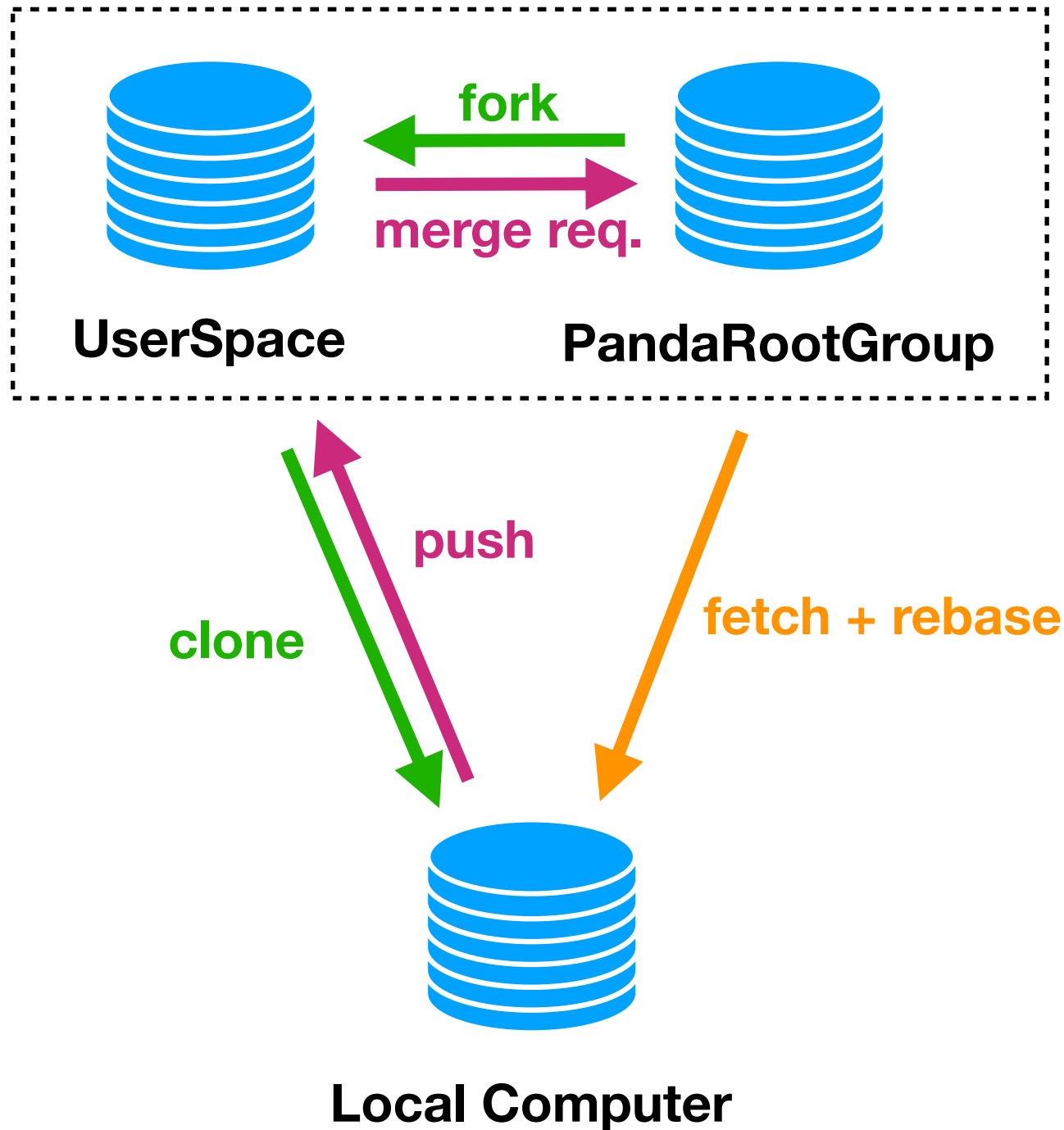
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Repositories



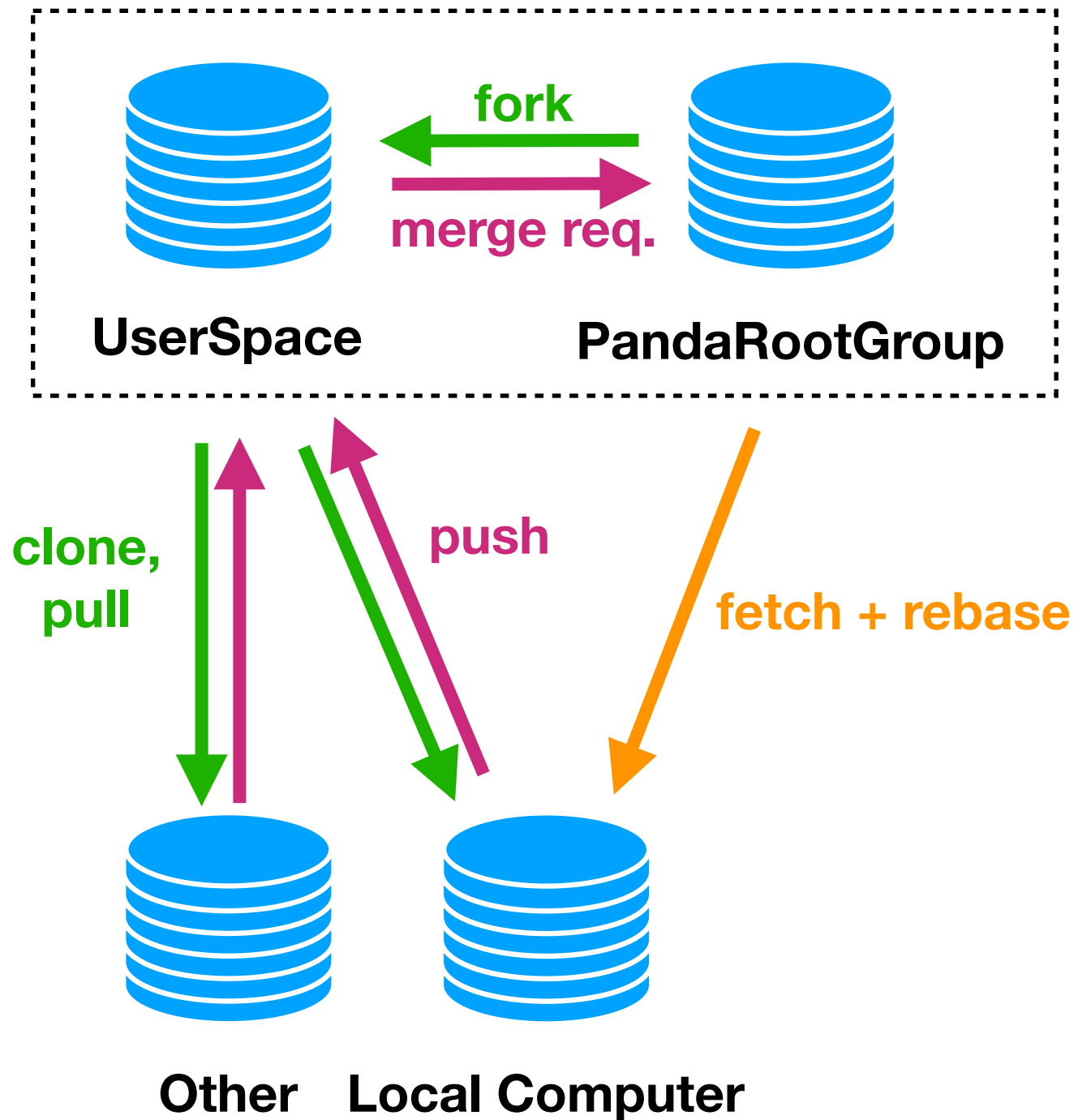
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Repositories



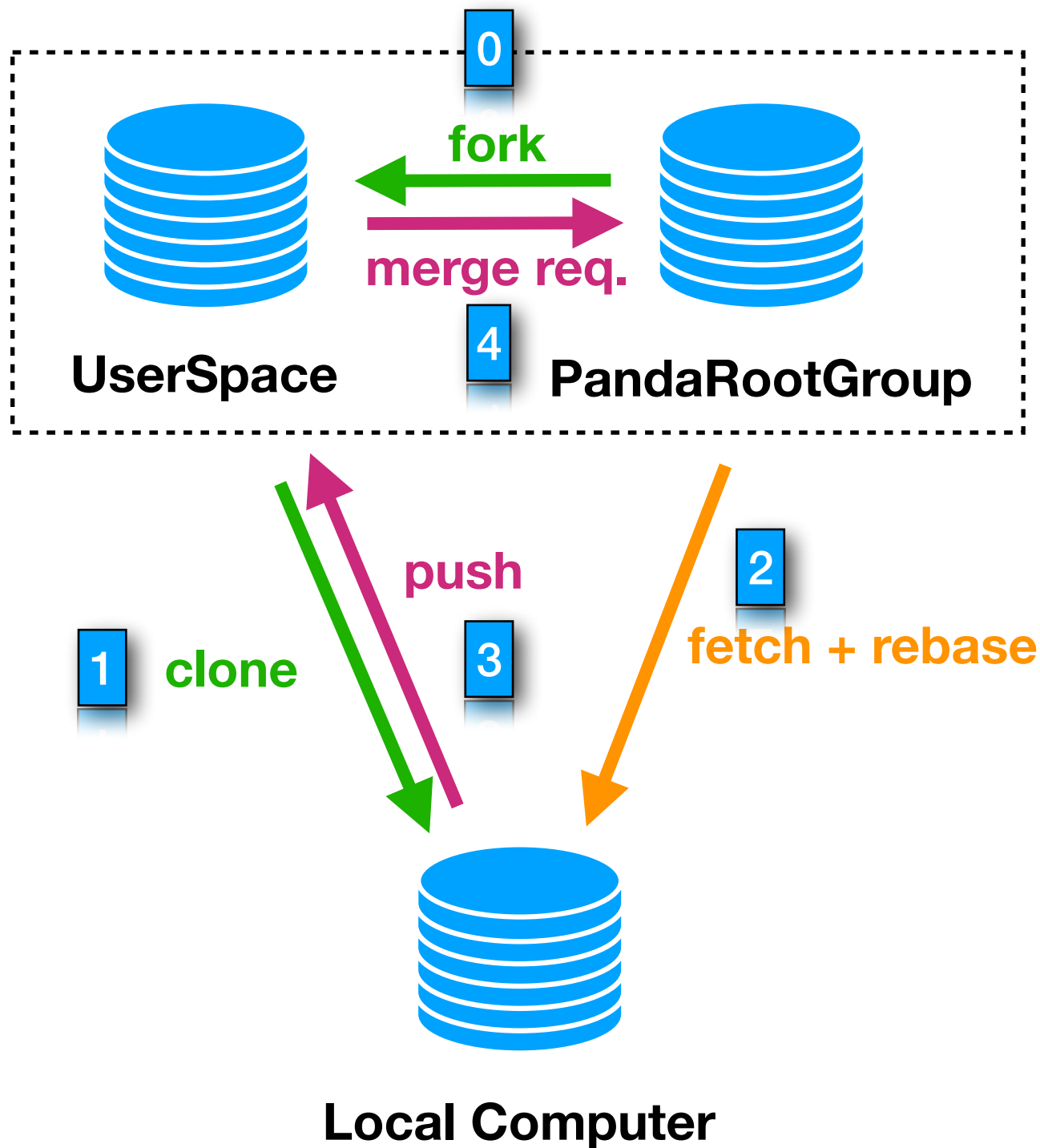
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Repositories



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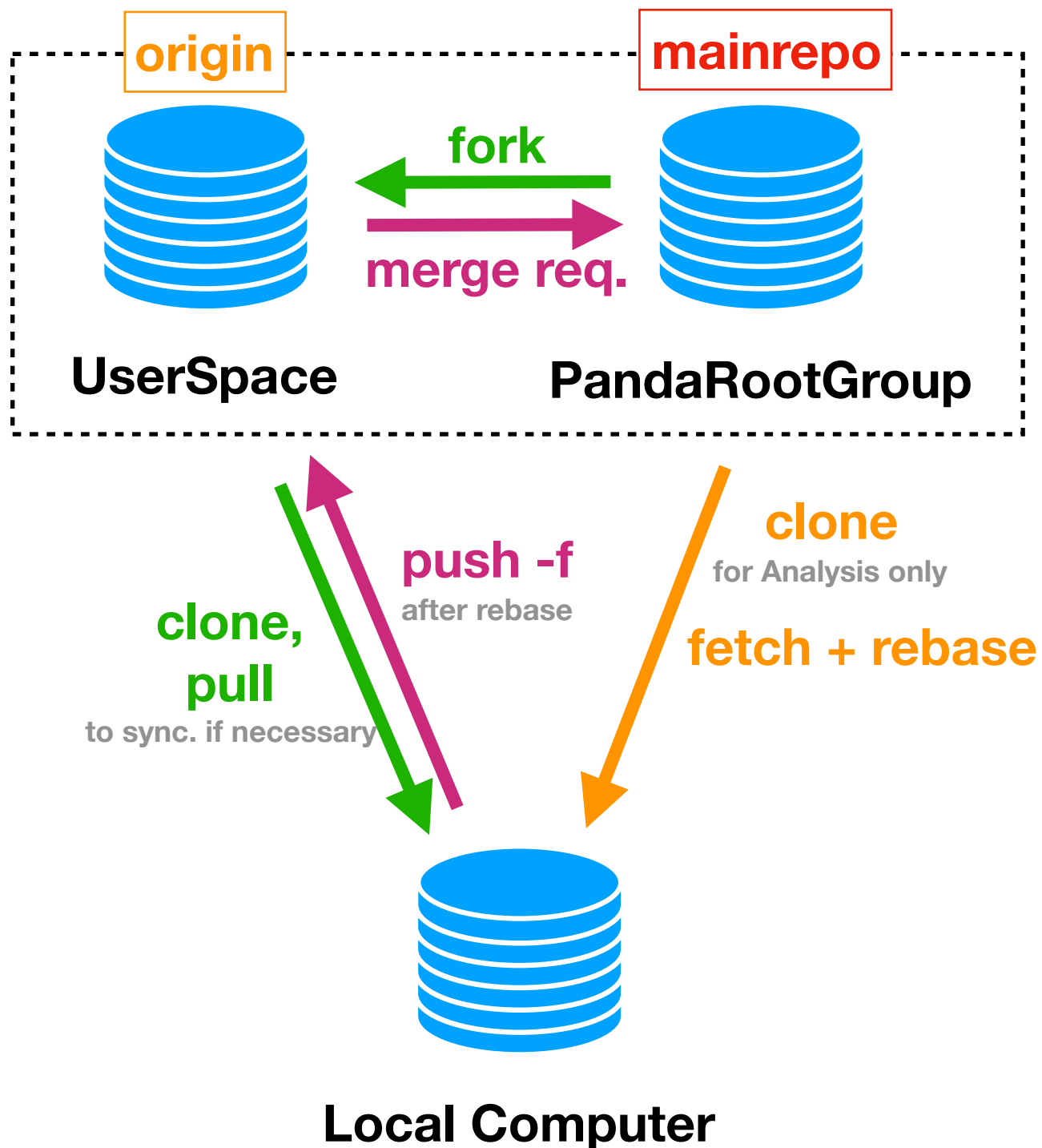
Repositories



- 0** Fork once on the website
- 1** **git clone**
<https://pandaatfair.github.io/<user>/PandaRoot.git>
- 2** **git fetch mainrepo**
don't forget to rebase
- 3** **git push**
after rebase use **git push -f**
- 4** **Create Merge Request on website**

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Repositories



0

Fork once on the website

1

git clone

<https://pandaatfair.github.io/<user>/PandaRoot.git>

2

git fetch mainrepo

don't forget to rebase

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after rebase use git push -f

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Create Merge Request on website

Shortcuts

- **origin:**
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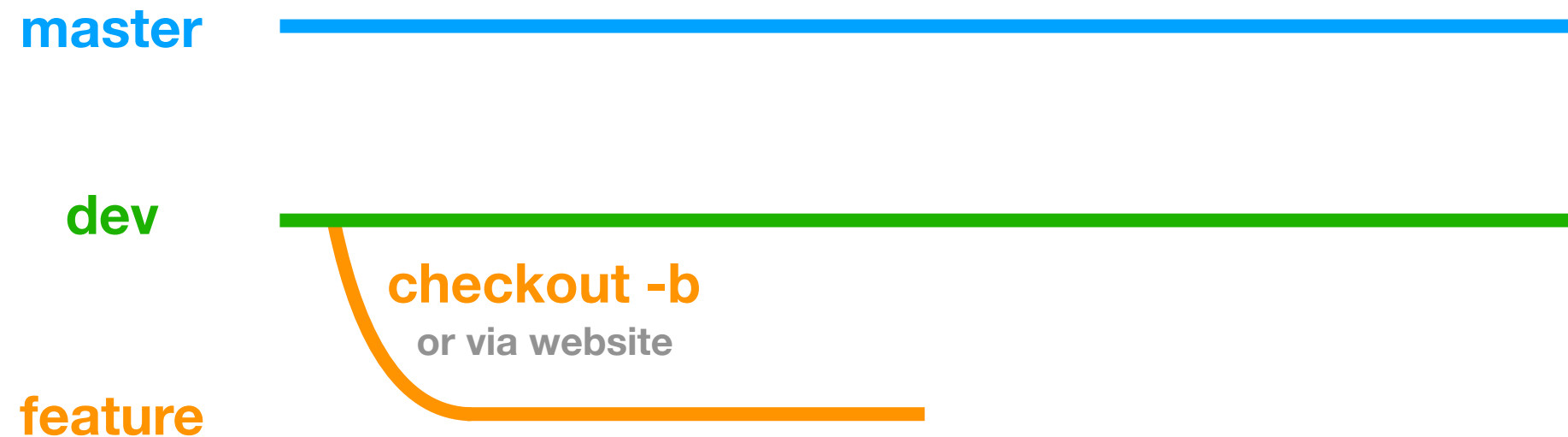
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Branches



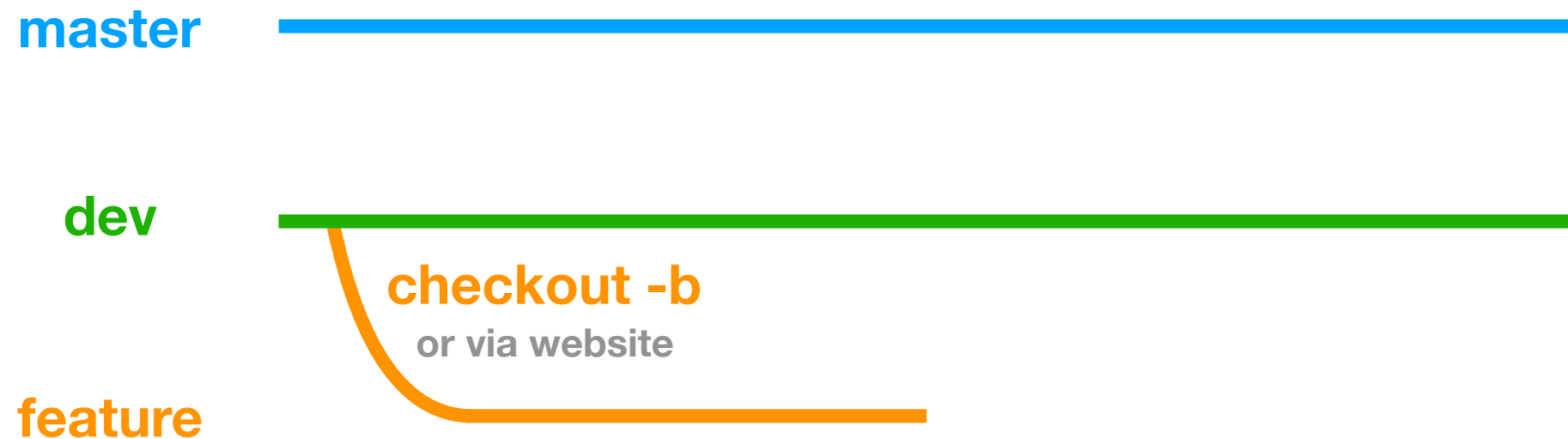
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Branches



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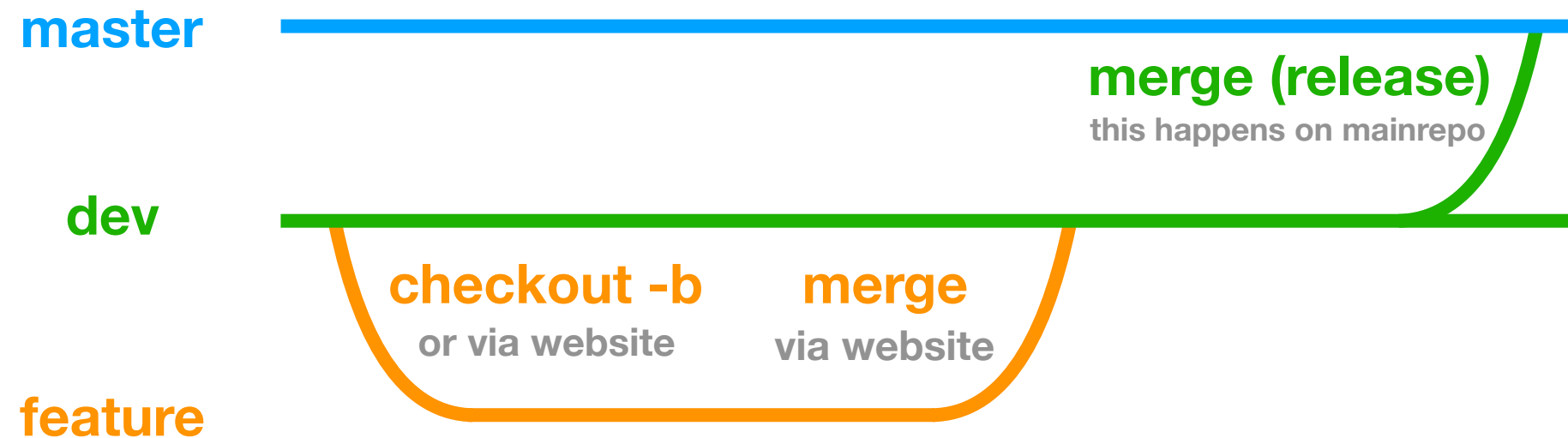
Branches



- **git status**
- **git add <files>**
- **git commit -m "<message>"**
- **git checkout -- <files>**
- **git push origin**

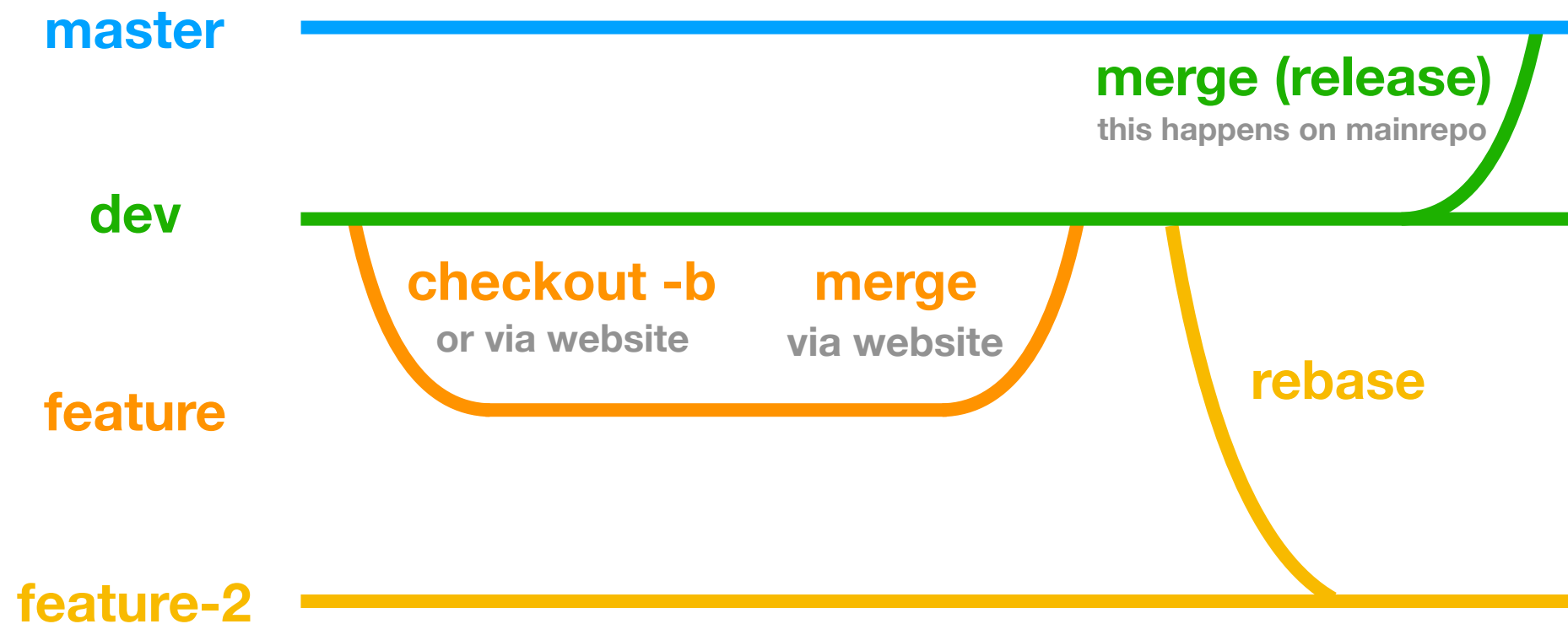
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Branches



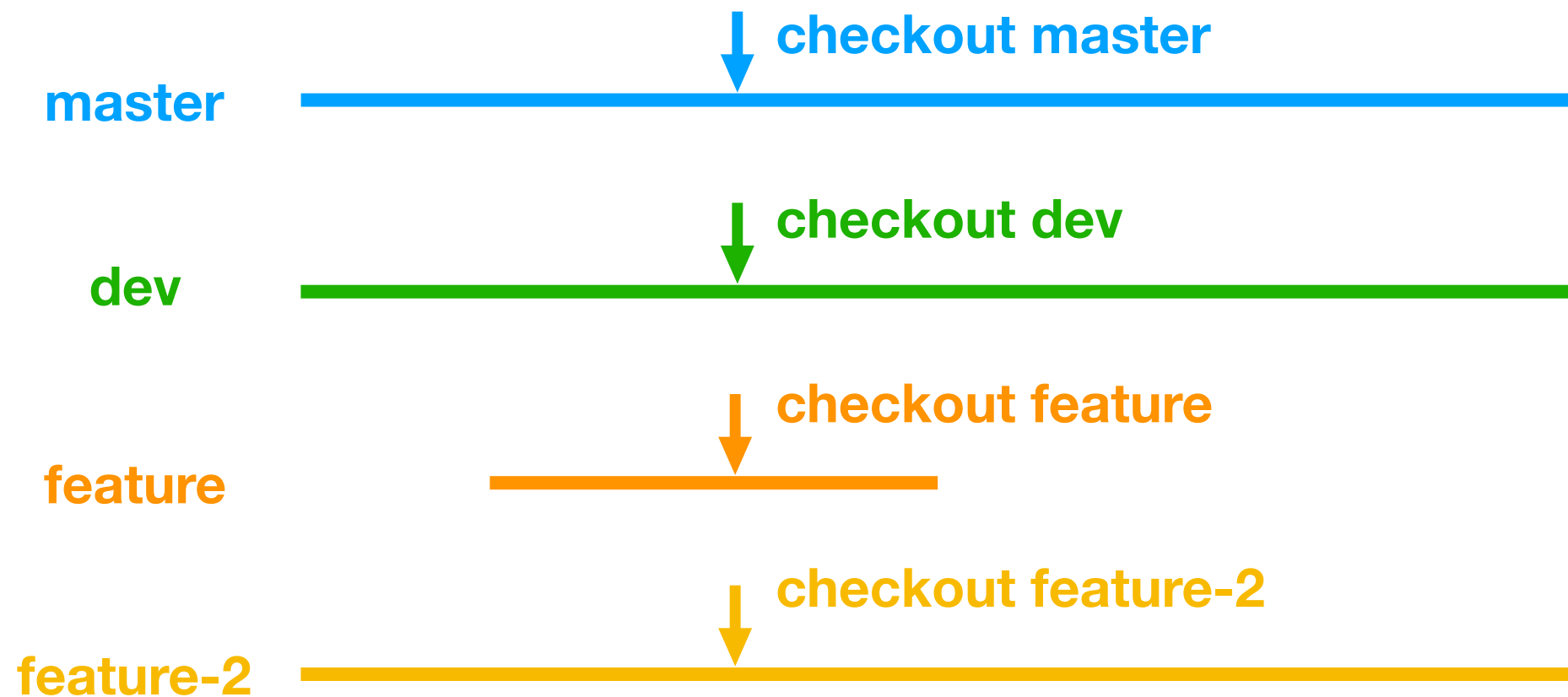
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Branches



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Jump Branches



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Preparation

Development Workflow

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Preparation

Create a Fork on the Website (once)

Setup git on each computer (once)

```
git config --global branch.autosetuprebase always
git config --global user.name "FirstName LastName"
git config --global user.email johndoe@example.com
git config --global core.ignorecase false
```

Development Workflow

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Switch to dev (optional)

(git fetch mainrepo)

git checkout -b dev mainrepo/dev

(git push -u origin dev)

Development Workflow

Create feature branch

(git fetch mainrepo)

git checkout -b featureXXX mainrepo/dev

git push -u origin featureXXX

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Create feature branch

```
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git checkout -b featureXXX mainrepo/dev
git push -u origin featureXXX
```

Update news to feature branch

```
git fetch mainrepo
git checkout featureXXX
git rebase mainrepo/dev
```

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Update news to feature branch

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git checkout featureXXX

git rebase mainrepo/dev

Upload feature branch

git push -f origin

More details on panda-wiki.gsi.de/foswiki/bin/view/Computing/PandaRoot



Thanks for your attention.

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