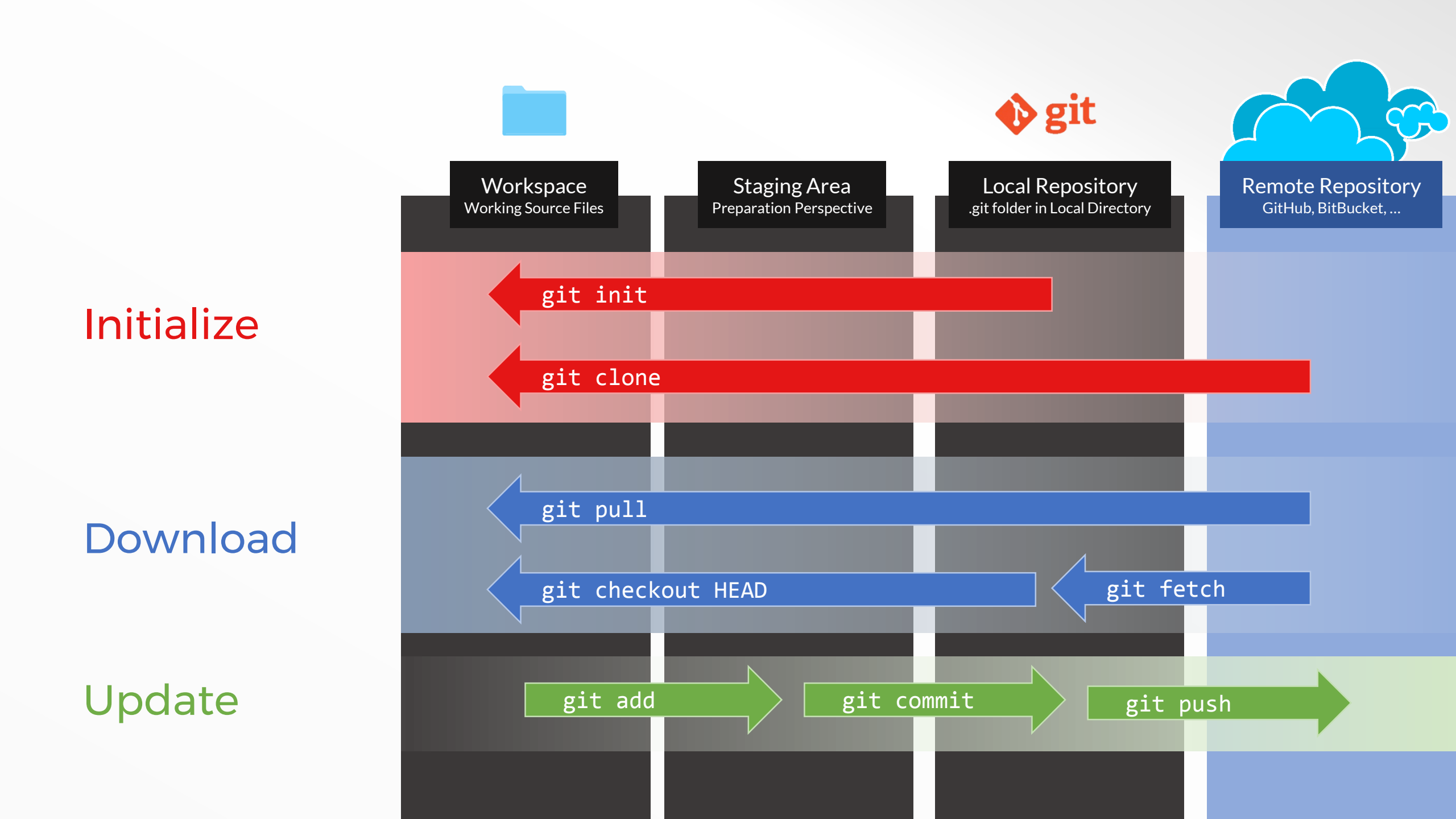
Git Source Control

VERSION CONTROL
Managing files and versions while collaborating with team members

Git Integration with Cloud Repositories

GitHub
BitBucket
Cloud Source


Workspace
Working Source Files
Staging Area
Preparation Perspective
Local Repository
.git folder in Local Directory
Remote Repository
GitHub, BitBucket, ...
git
Initialize
git init
git clone
Download
git pull
git checkout HEAD
git fetch
Update
git add
git commit
git push

1. Configuration

```
git config user.name SDETu Trainer
git config user.email trainer@sdetu.com
```

*to modify global config, type:

```
git config –global user.name …
```

2. Create GitHub Repo

```
git init

git remote add origin GitHub_RootFoler
git clone GitHub_RootFoler
```

3. Pushing to GitHub

`git add -A` ADD CHANGES TO STAGING AREA

`git commit -m` COMMIT CODE TO LOCAL REPOSITORY

`git push origin master` PUSH CODE TO GITHUB

`git status` show status of staging area

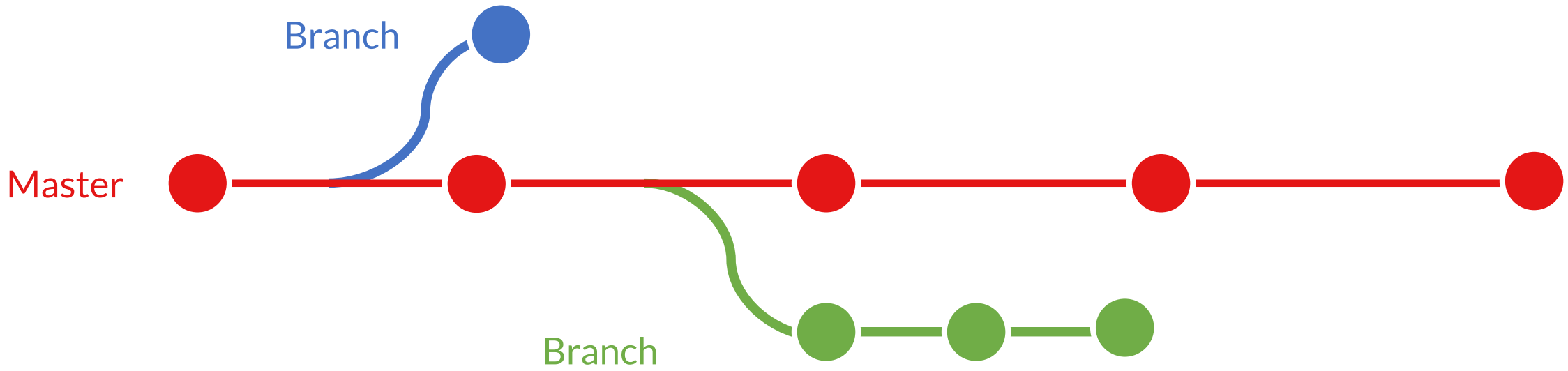
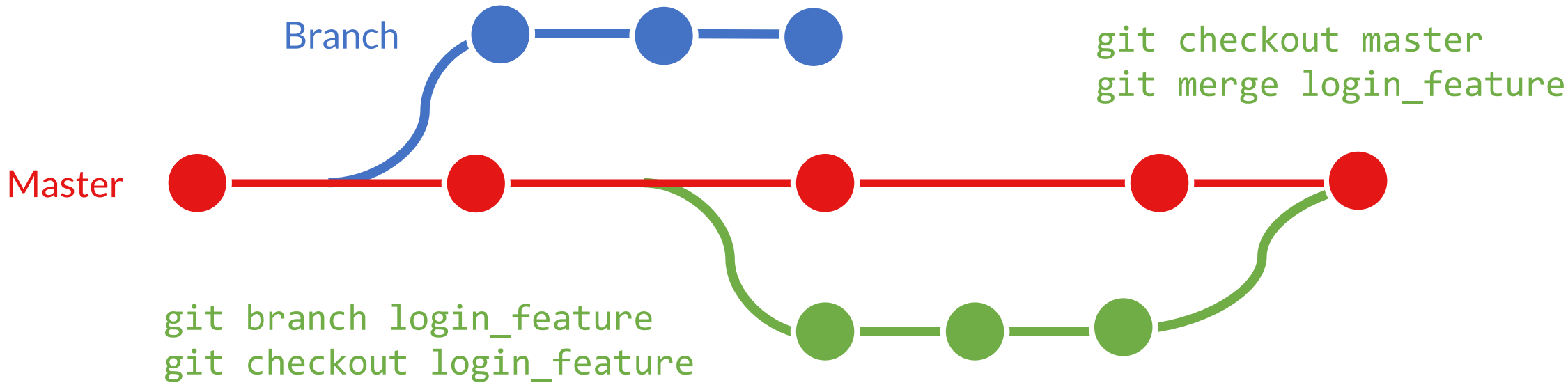
4. Pulling Updates

`git pull` DOWNLOADS REMOTE REPO TO WORKING PROJECT DIRECTORY

`git fetch` DOWNLOADS REPOT REPO TO LOCAL REPO

`git checkout` DOWNLOADS LOCAL REPO TO WORKING PROJECT DIRECTORY

5. Working with Branches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