in
icated

--everything-is-local
--fast-version-control
--local-branching-on-the-cheap
--distributed-is-the-new-centralized
--distributed-even-if-your-workflow-isnt

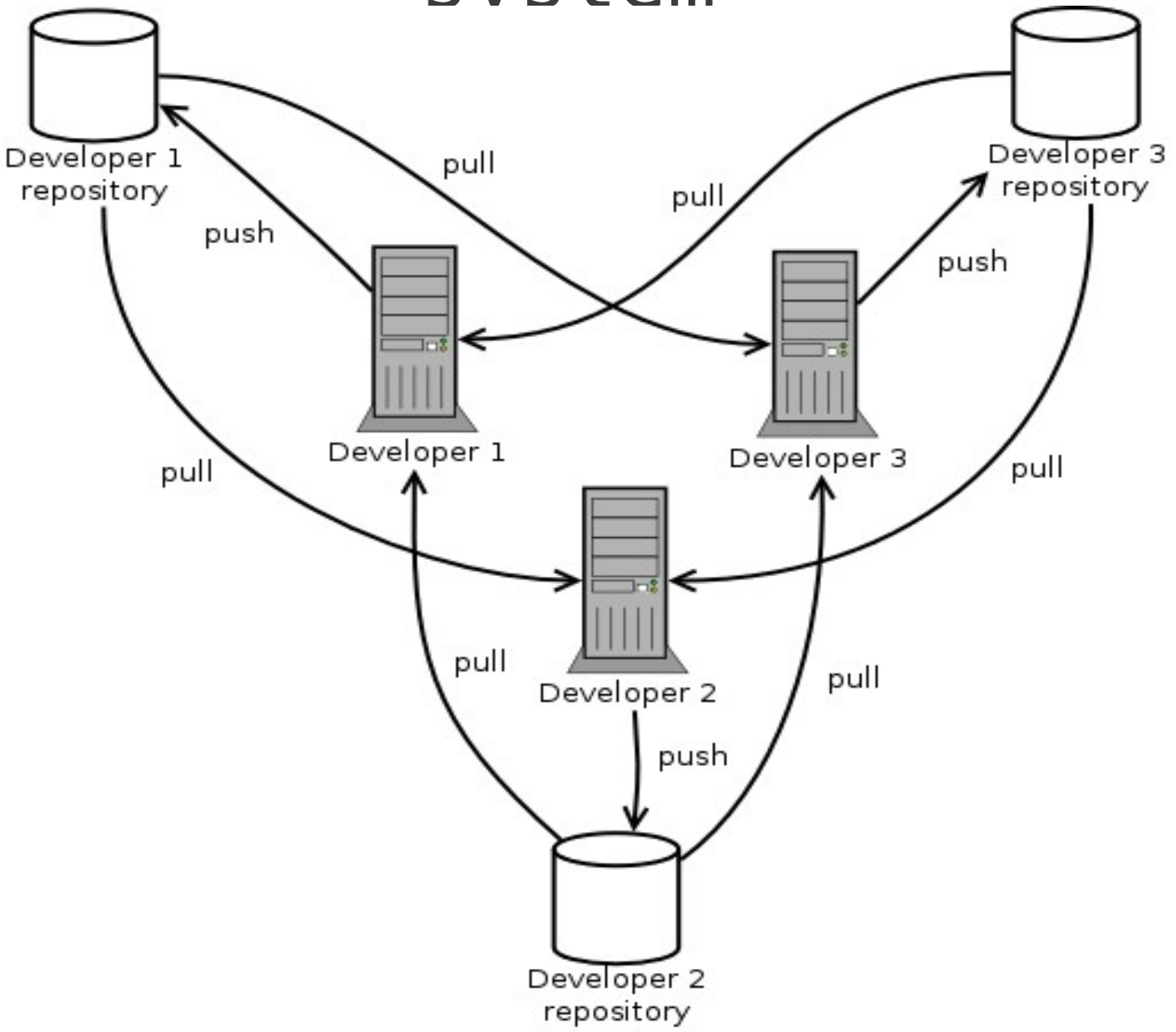
آشنایی با git

- git چیست ؟
- چرا git ؟
- چه کسانی از git استفاده می‌کنند ؟
- رابط کاربری گرافیکی ؟
- منابع آنلاین ؟

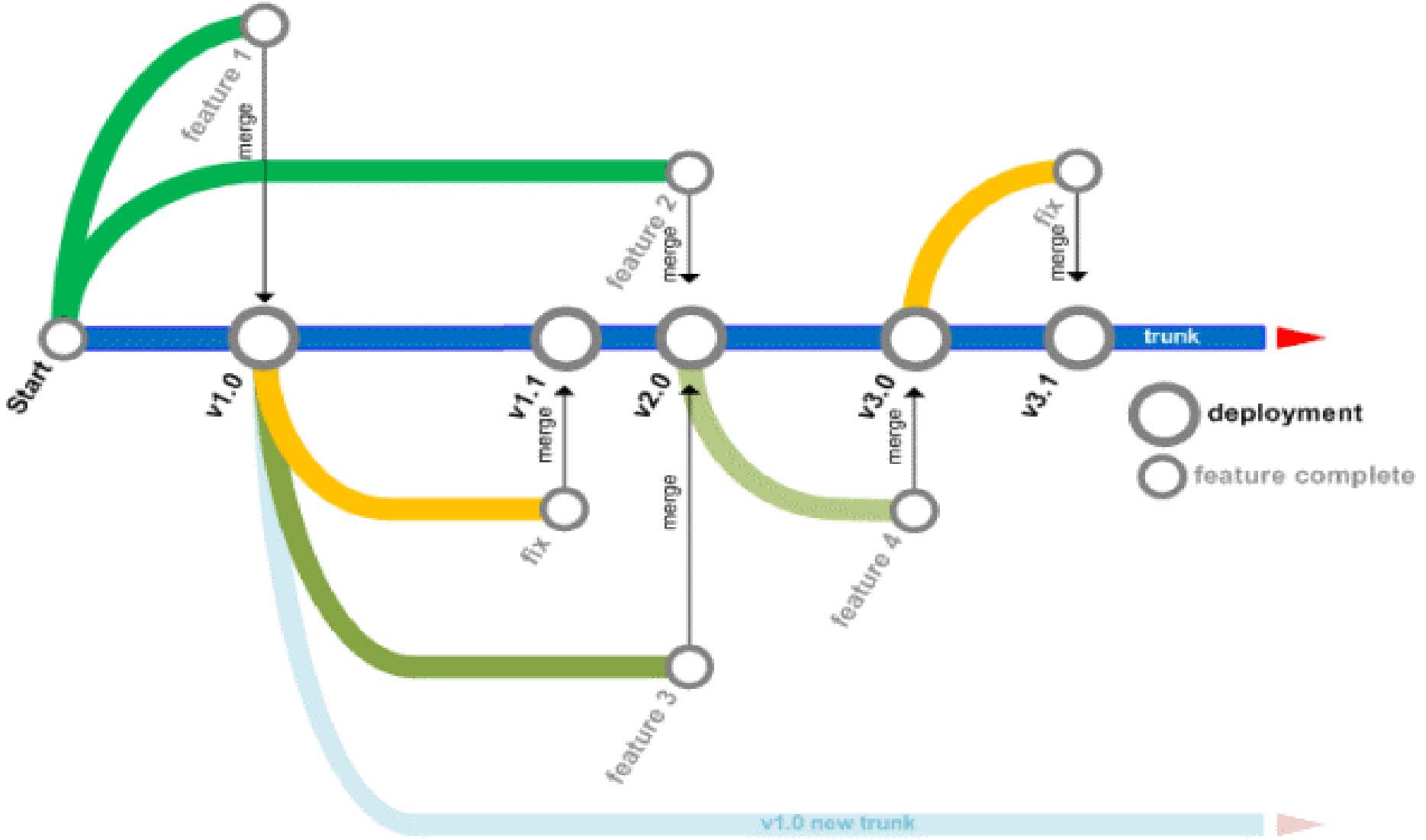
git چیست

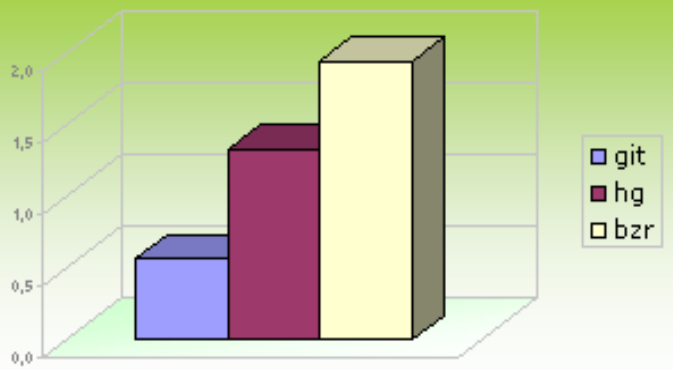
- Distributed revision control system (DRCS)
- Source code management (SCM)
- Fast & Popular
- Offline
- developed by Linus Torvalds

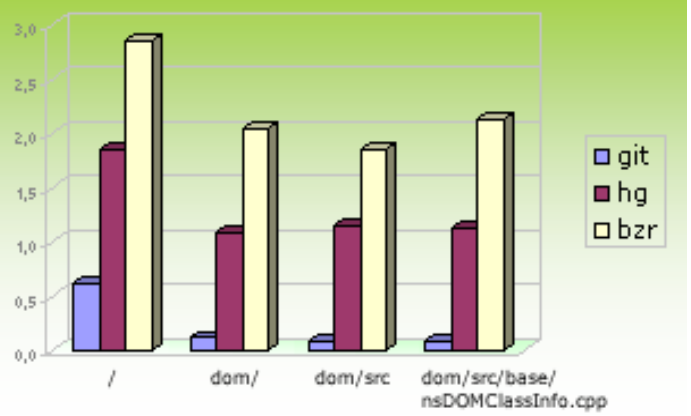
Distributed revision control system

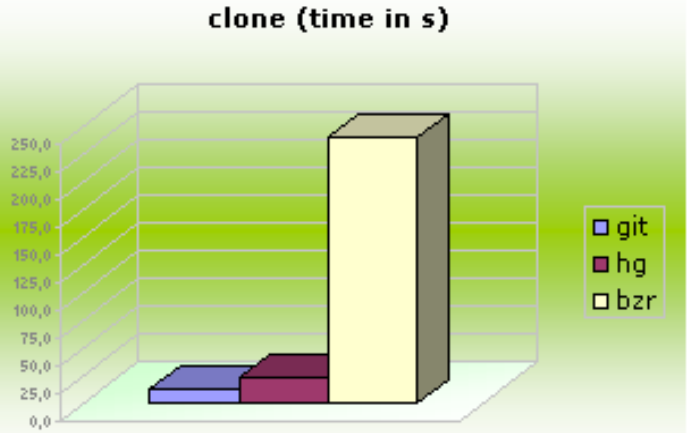


Source code management

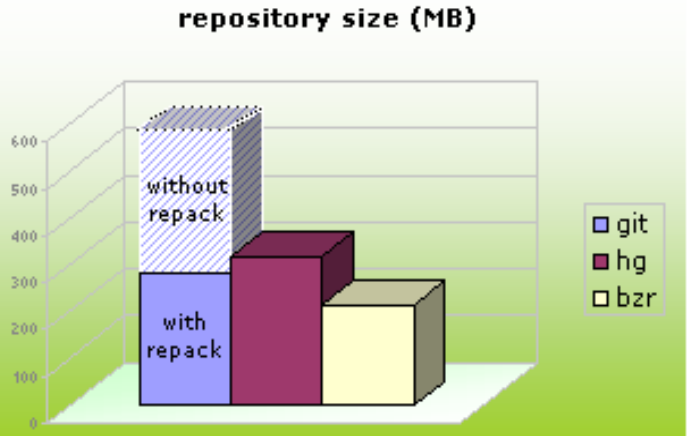








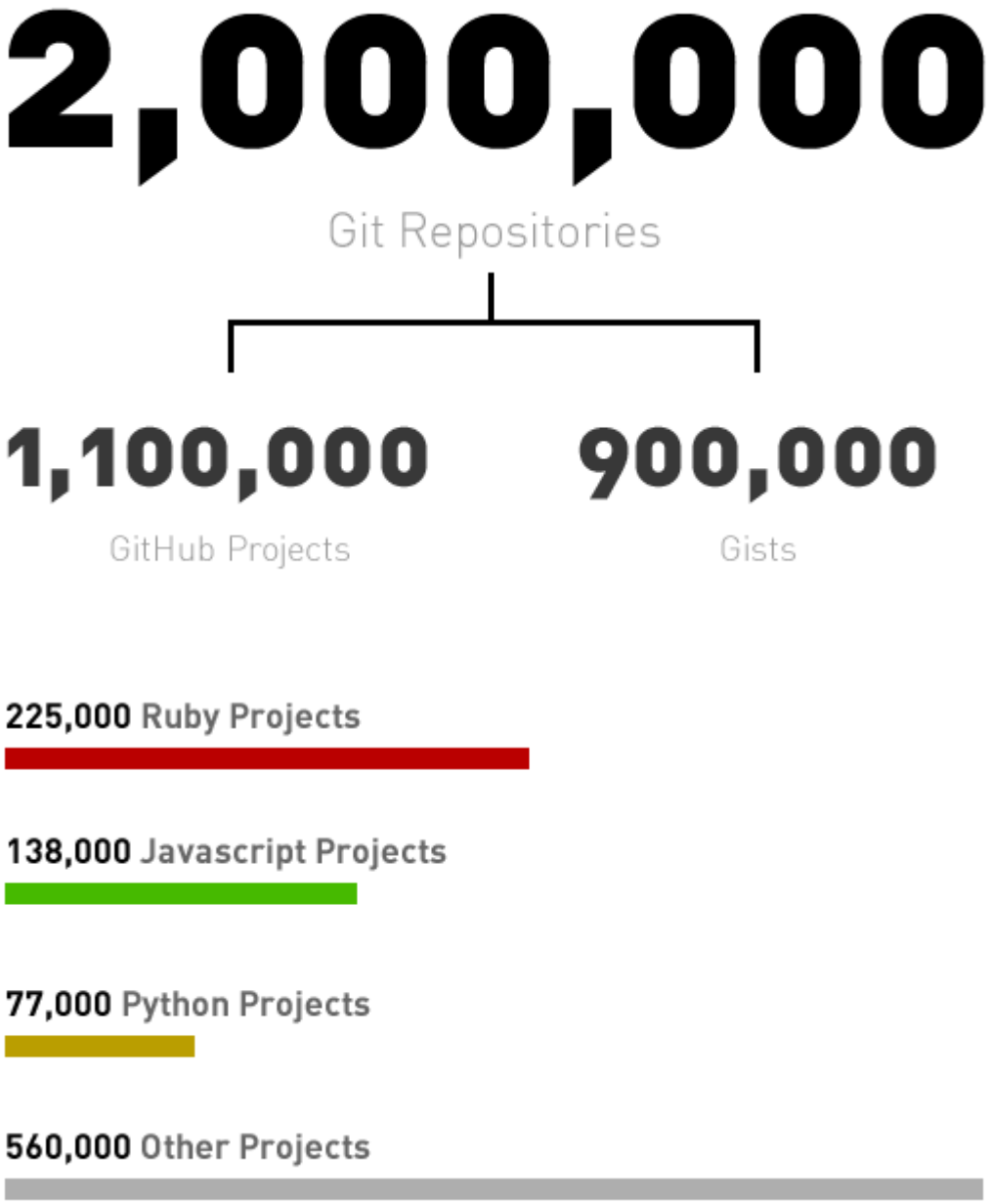
Commands (time in s)	git	hg	bzr
status .	0,564	1,333	1,941
diff .	0,608	1,843	2,847
diff dom/	0,116	1,091	2,037
diff dom/src/	0,084	1,146	1,861
diff dom/src/base/nsDOMClassInfo.cpp	0,085	1,123	2,135
diff . (in dom/)	0,117	1,083	1,936
clone	11,650	23,755	240,010



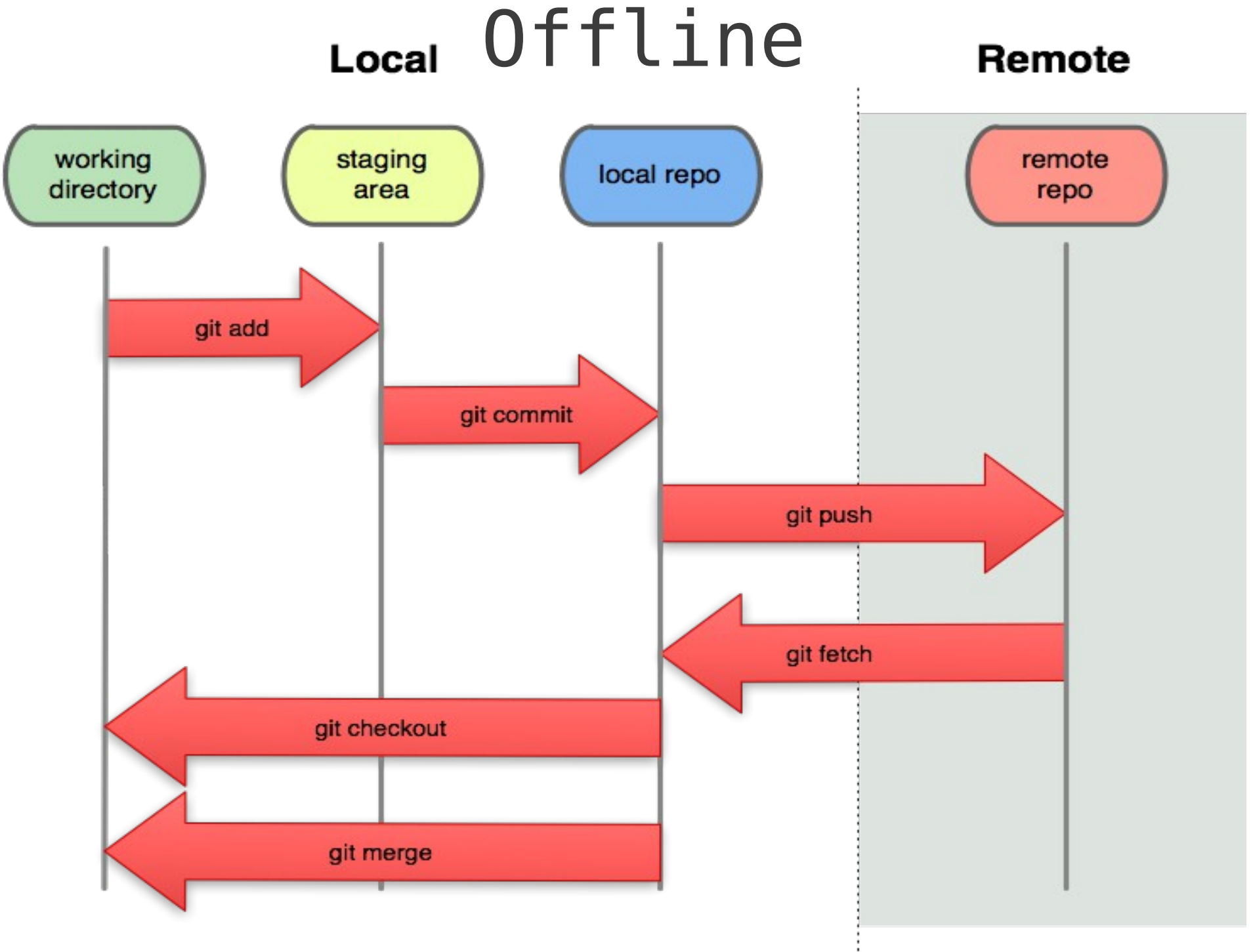
Repository	git	hg	bzr
Size (MB)	586	317	214
git repack	283		
Number of files	28981	60721	28966

Fast

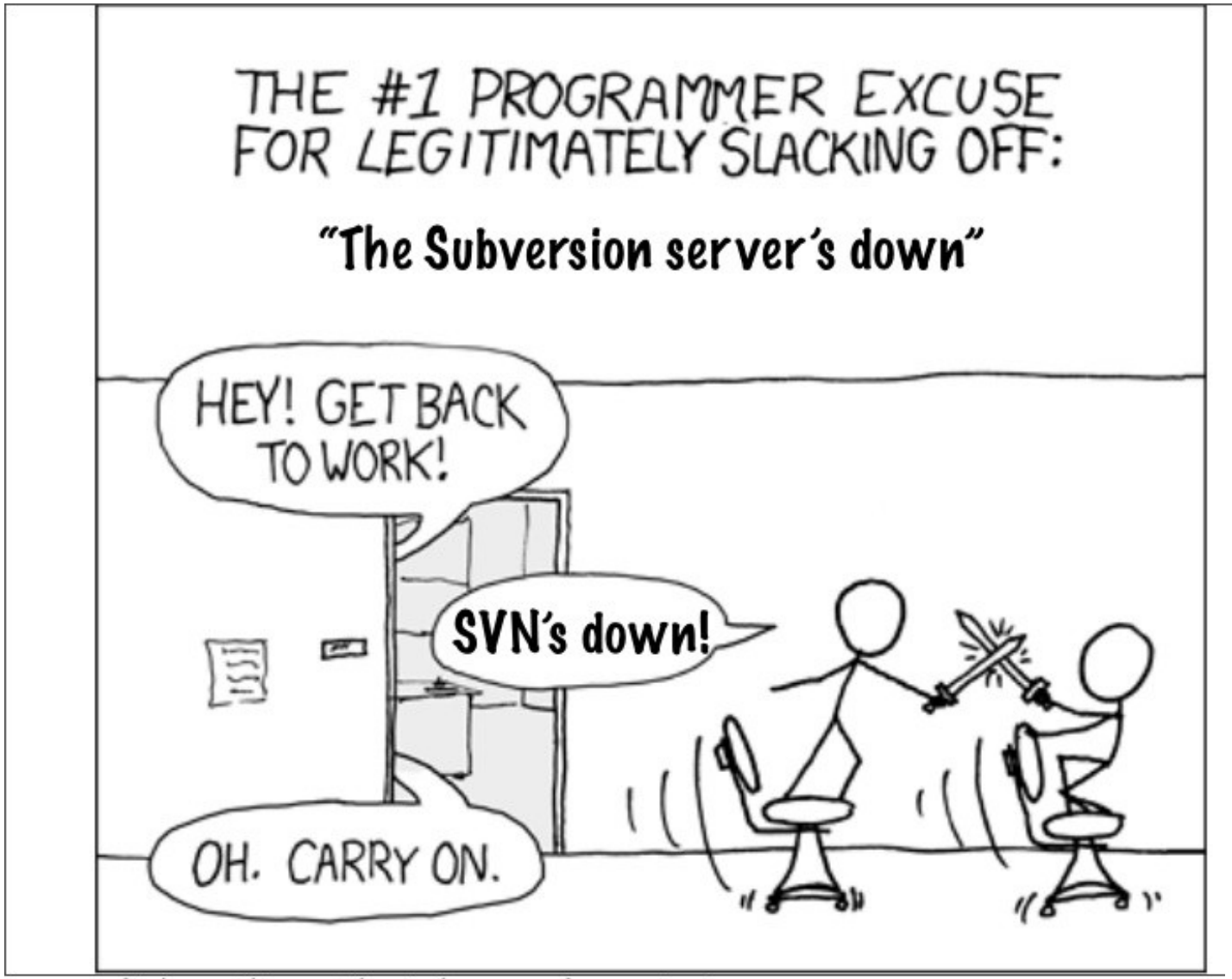
April 20, 2011



Popular


Offline
Local
Remote
working directory
staging area
local repo
remote repo
git add
git commit
git push
git fetch
git checkout
git merge

happens



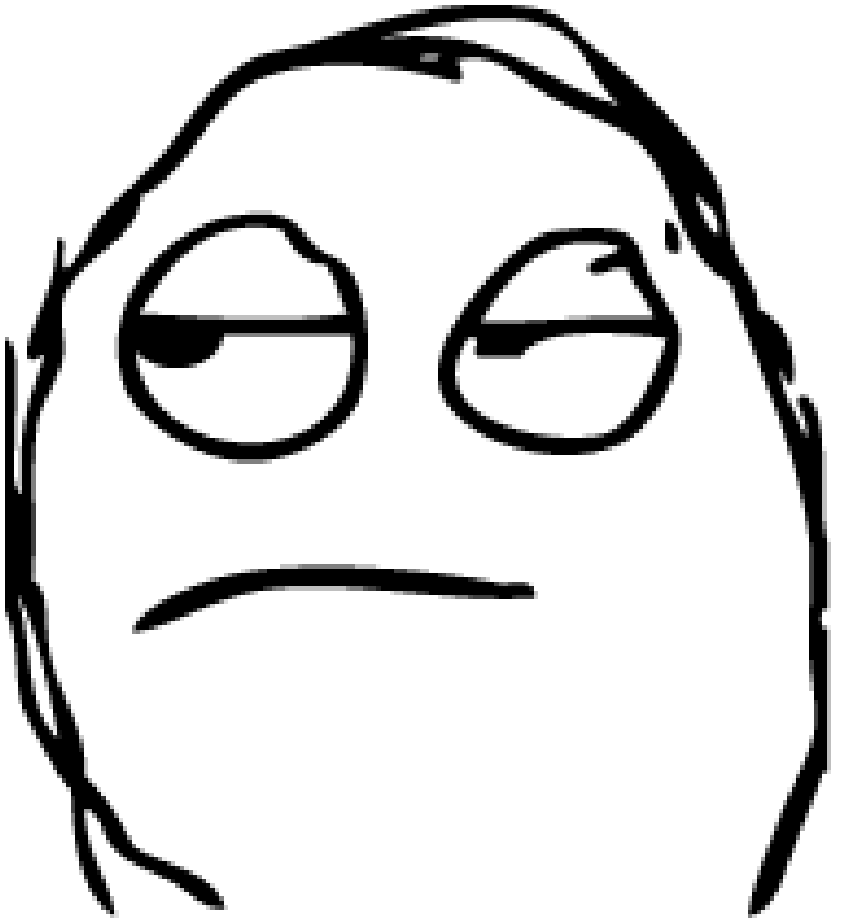
you can't do anything without the server's permission

developed by Linus Torvalds

Subversion is the most pointless project ever started

Linus Torvalds

git چرا



چه کسانی از `git` استفاده می‌کنند

رابط کاربری گرافیکی

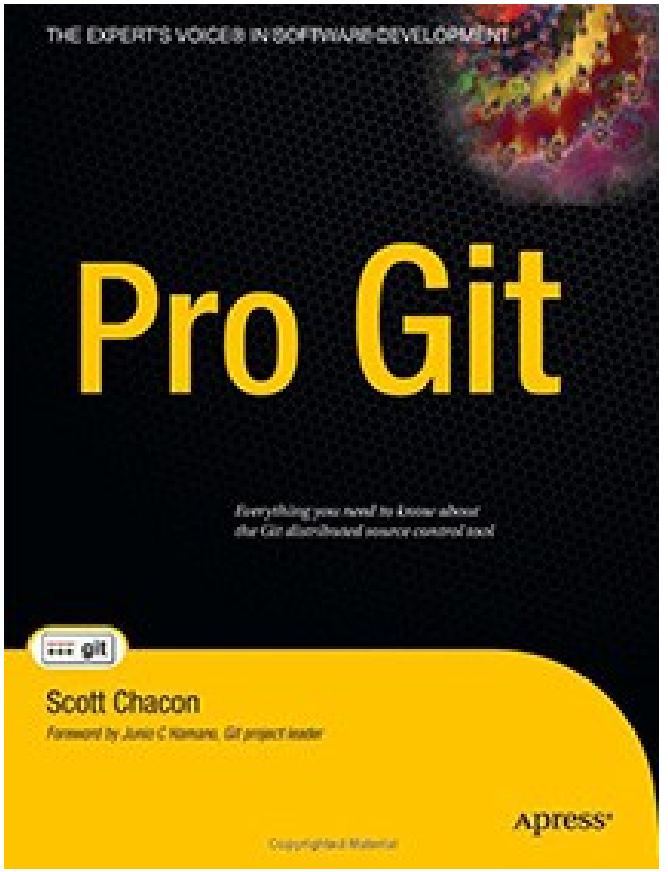
Cocoon	gitk	git-gui
tig	QGit	Giggle
gitview	git-forest	GitForce
GitJungle	Qct	git-cola
teamGit	GitX	Pyrite
gitSafe	Git Extensions	TortoiseGit
Dreamweaver GIT	git-cheetah	gitg
git-age	Qt Creator	SmartGit
PyjamasGitWeb	SourceTree	Agit
Katana	RepoWatch	Sprout

http://bit.ly/git-gui-by-gitwiki

منابع آنلاین

Google™

stackoverflow



http://try.github.io

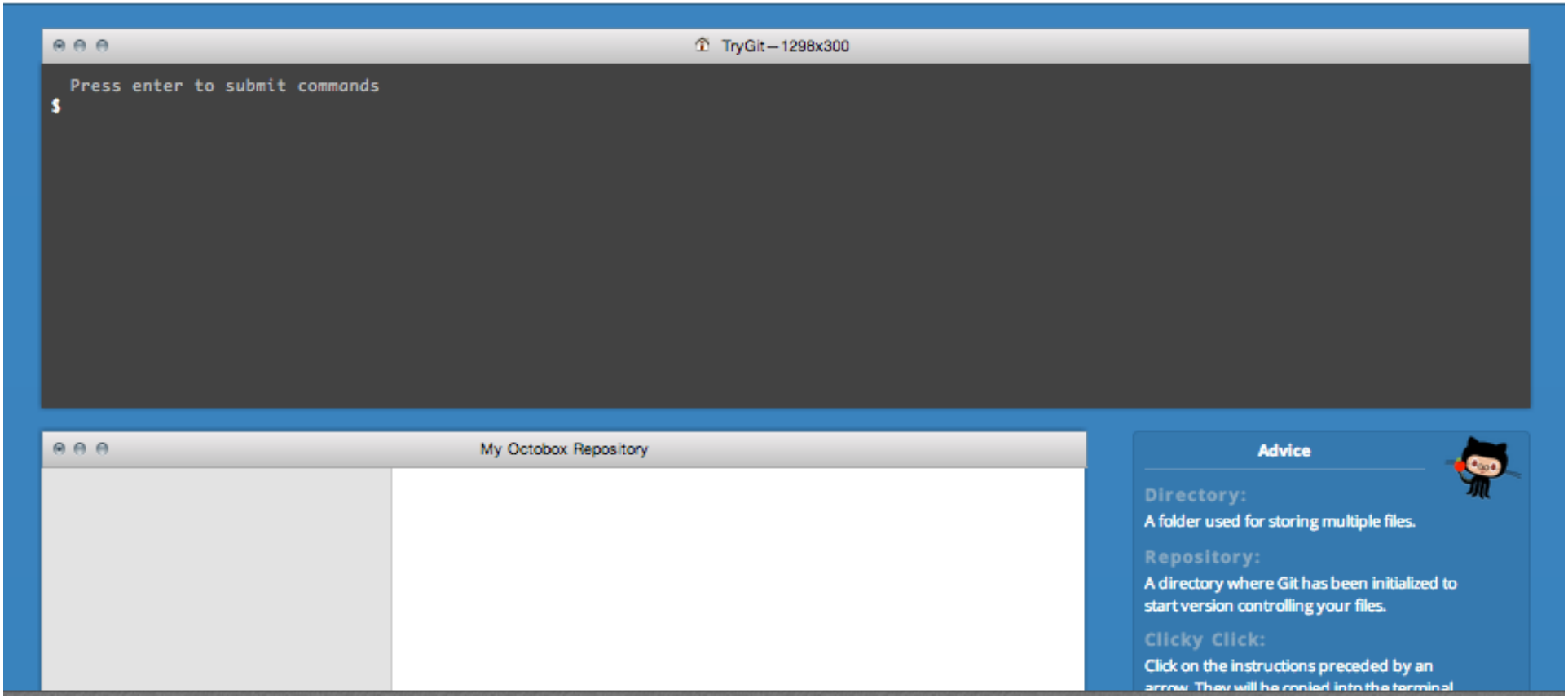
1.1 · Got 15 minutes and want to learn Git?

tryGit

Git allows groups of people to work on the same documents (often code) at the same time, and without stepping on each other's toes. It's a distributed version control system.

Our terminal prompt below is currently in an **octobox** directory. To initialize a Git repository here, type the following command:

→ **git init**



نصب git

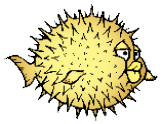
```
$ apt-get install git
```

```
$ cd /usr/ports/devel/git
$ make install
```

```
$ pkg install developer/versioning/git
```

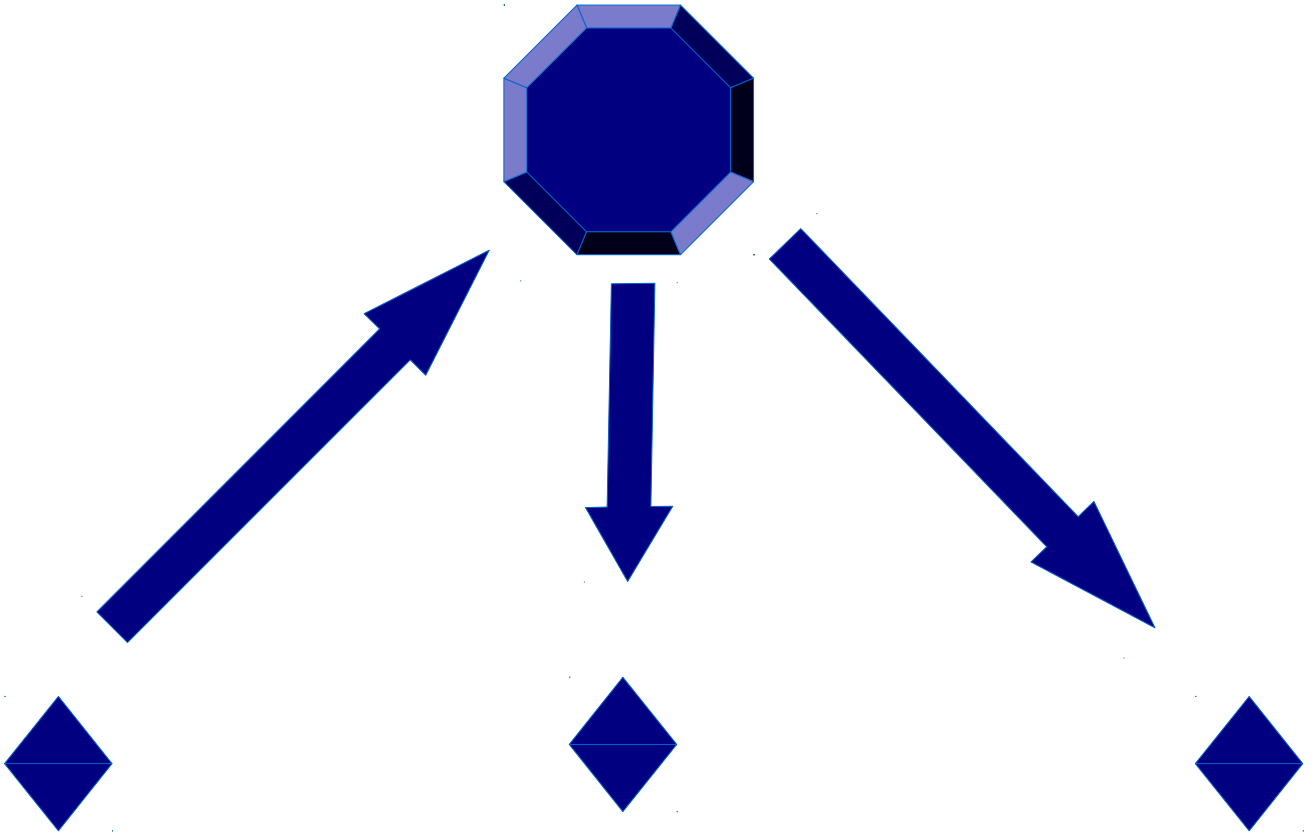
```
$ yum install git
```

```
$ emerge --ask --verbose dev-vcs/git
```

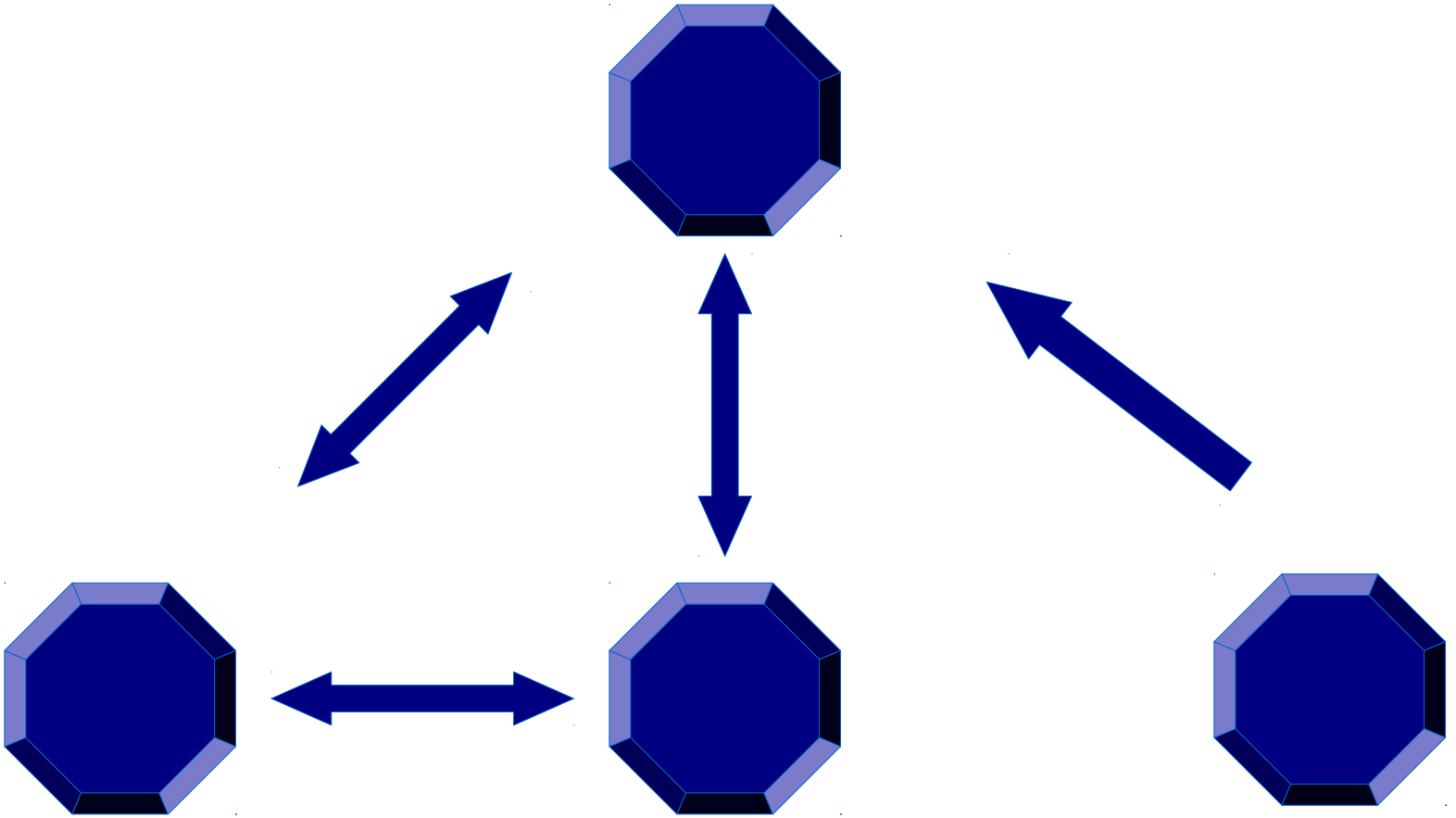


```
$ pkg_add git
```

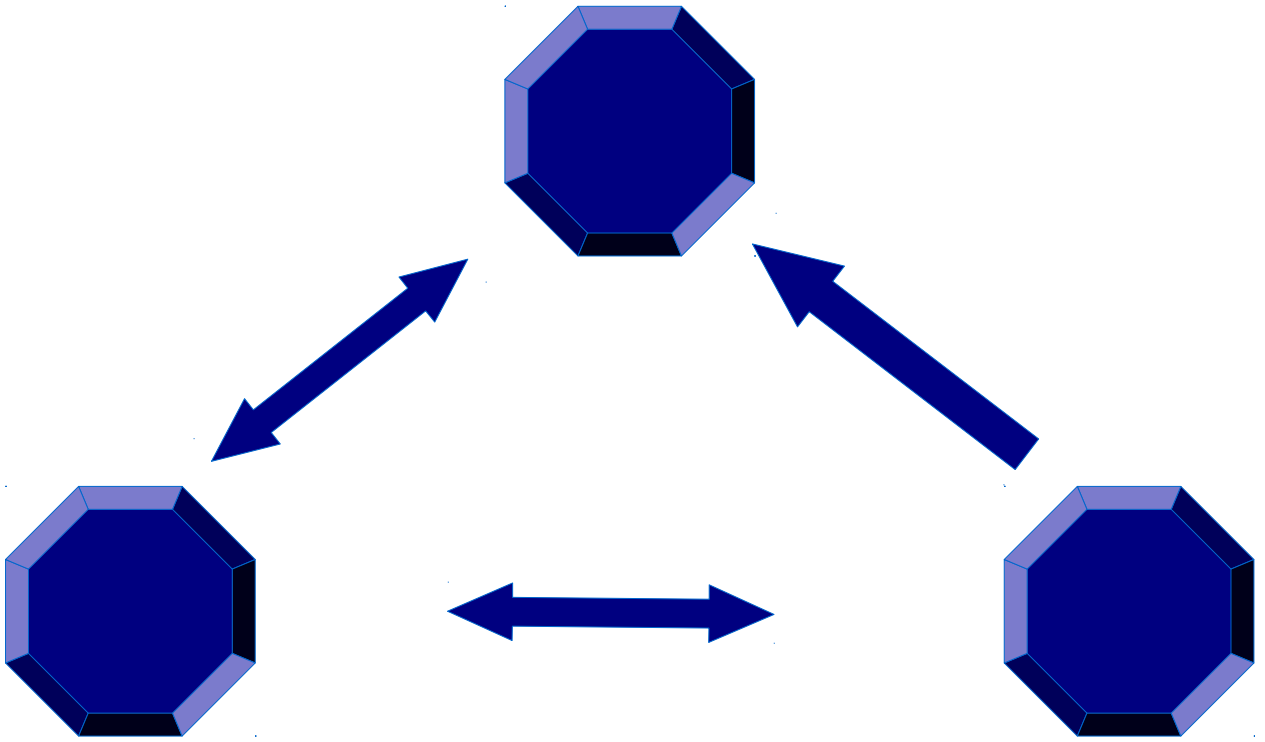
SVN



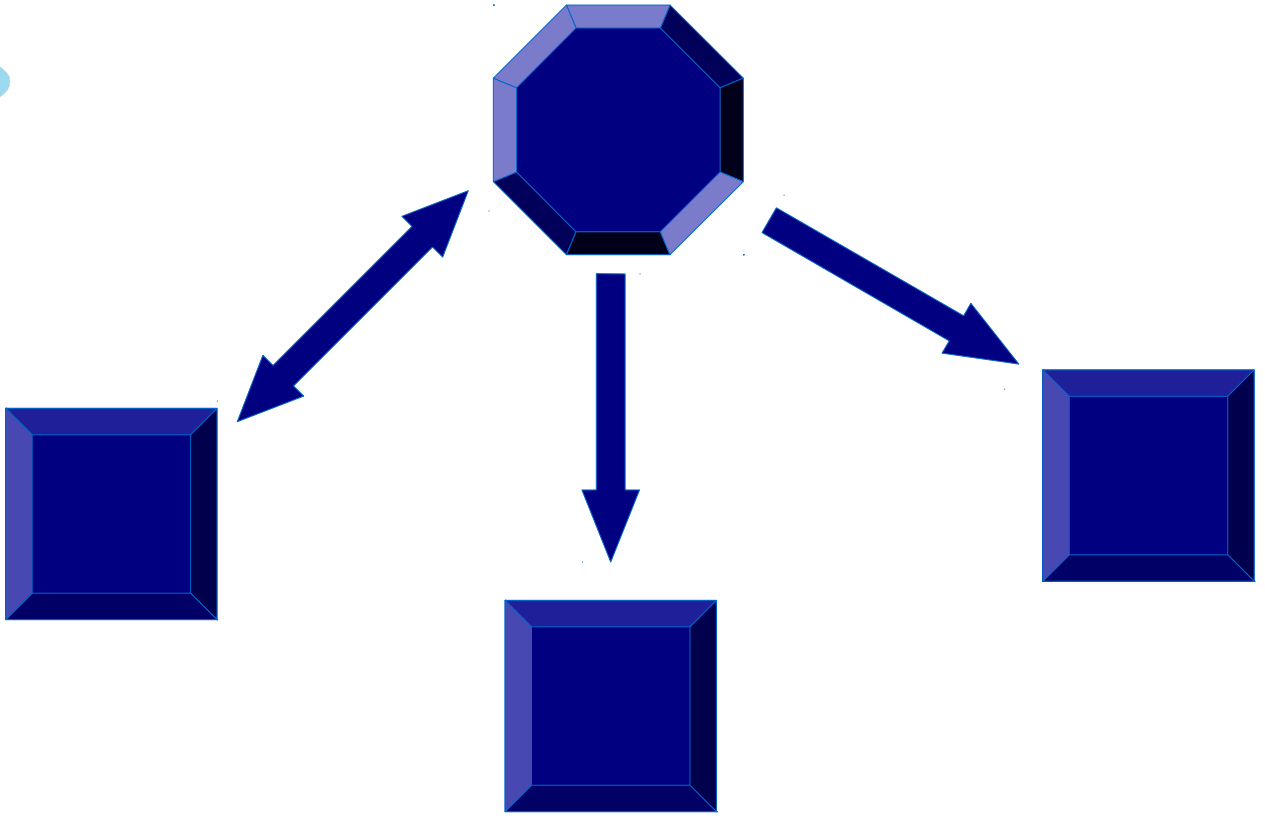
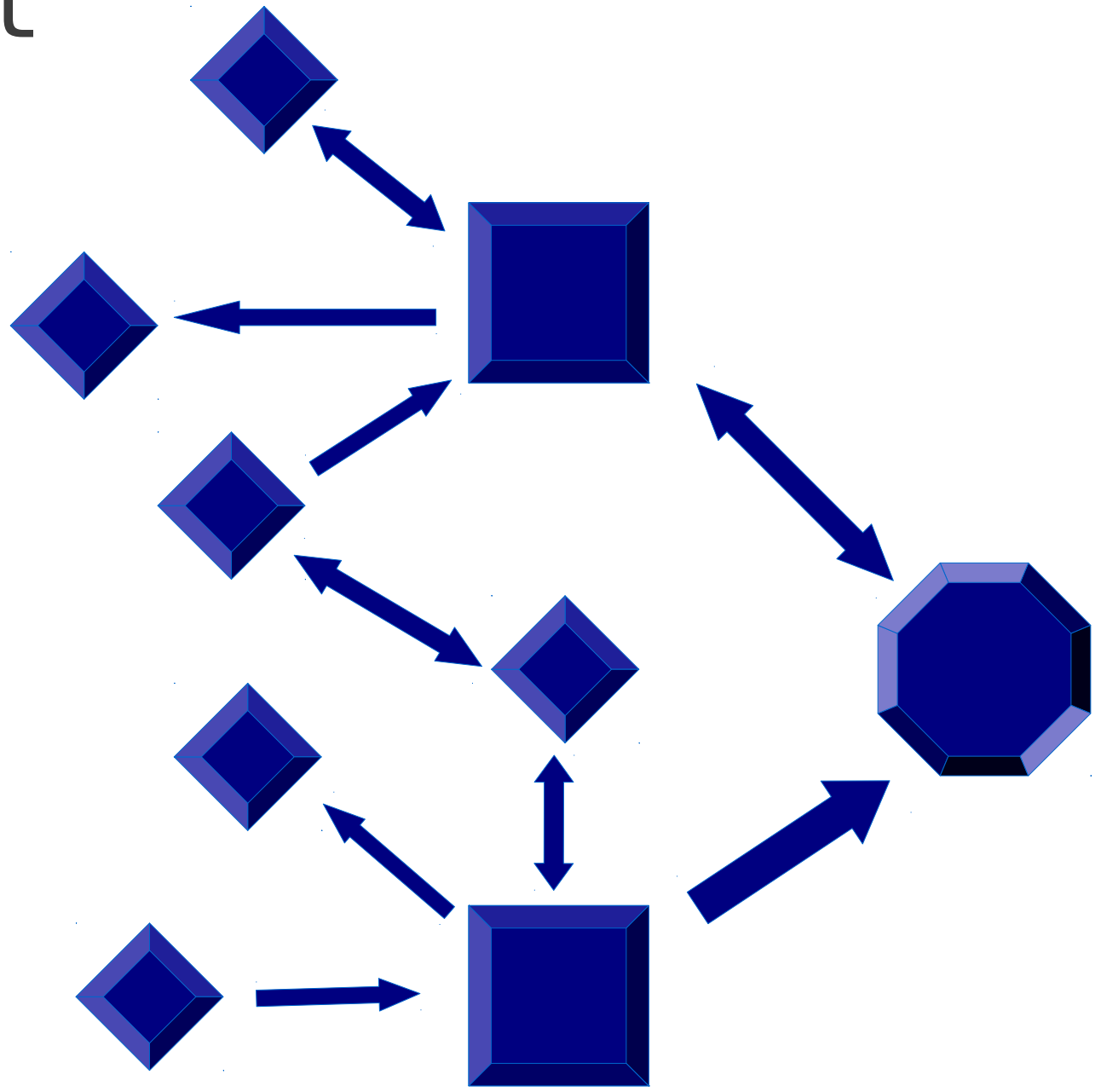
git centralized



Anarchi



Blessed



Lieutenant