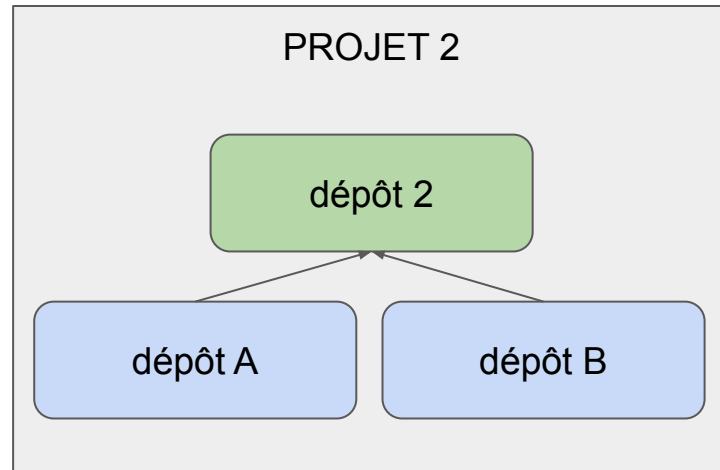
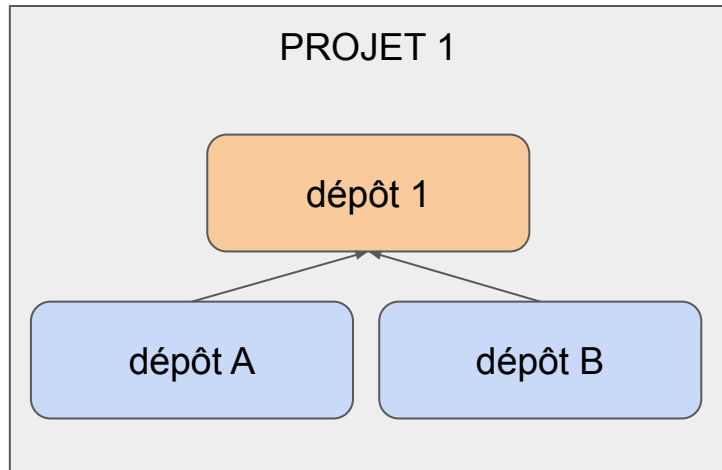


Formation Git

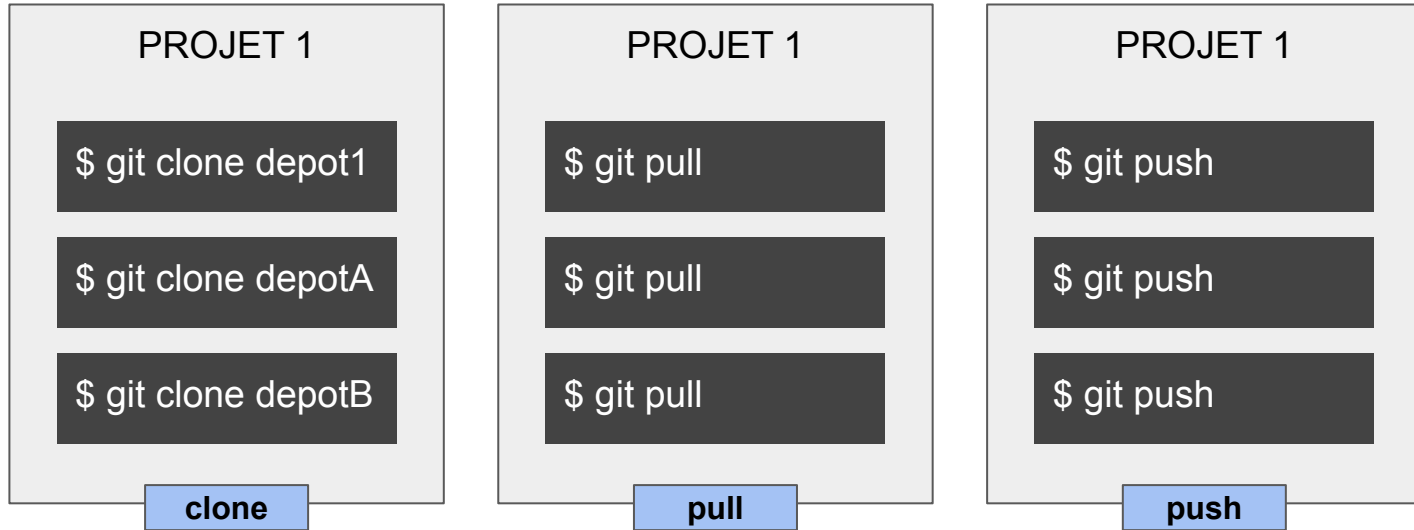
VII - Projets multi-dépôts



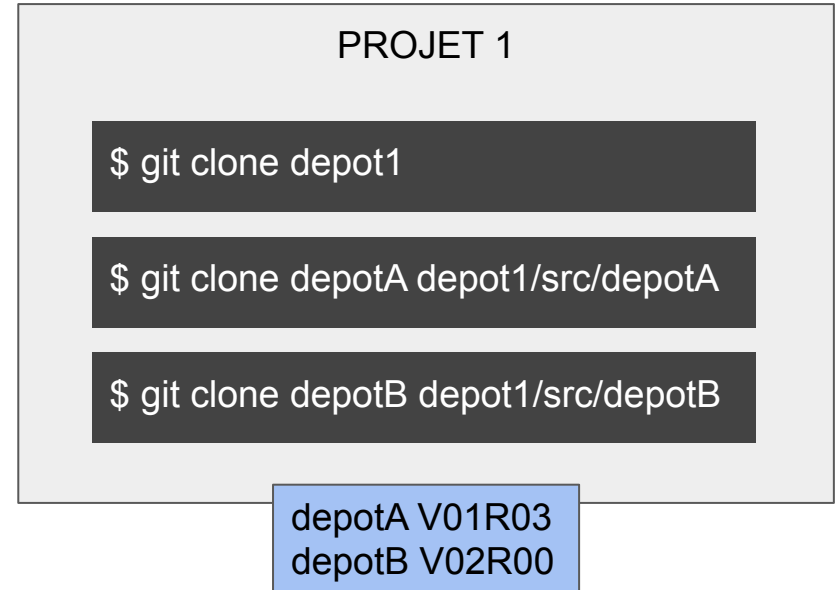
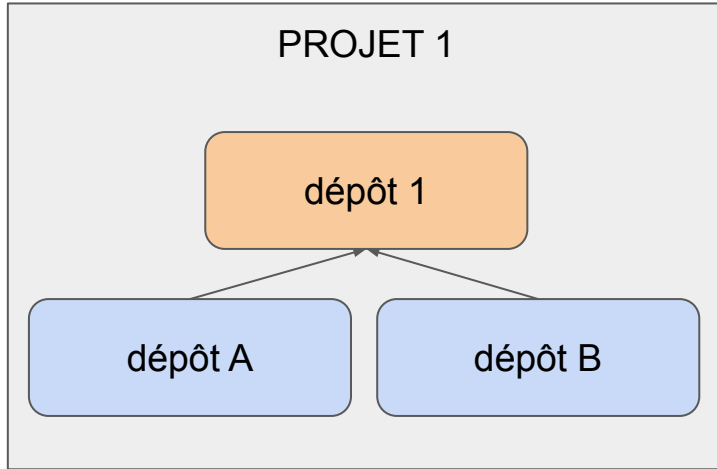
Enjeux et difficultés



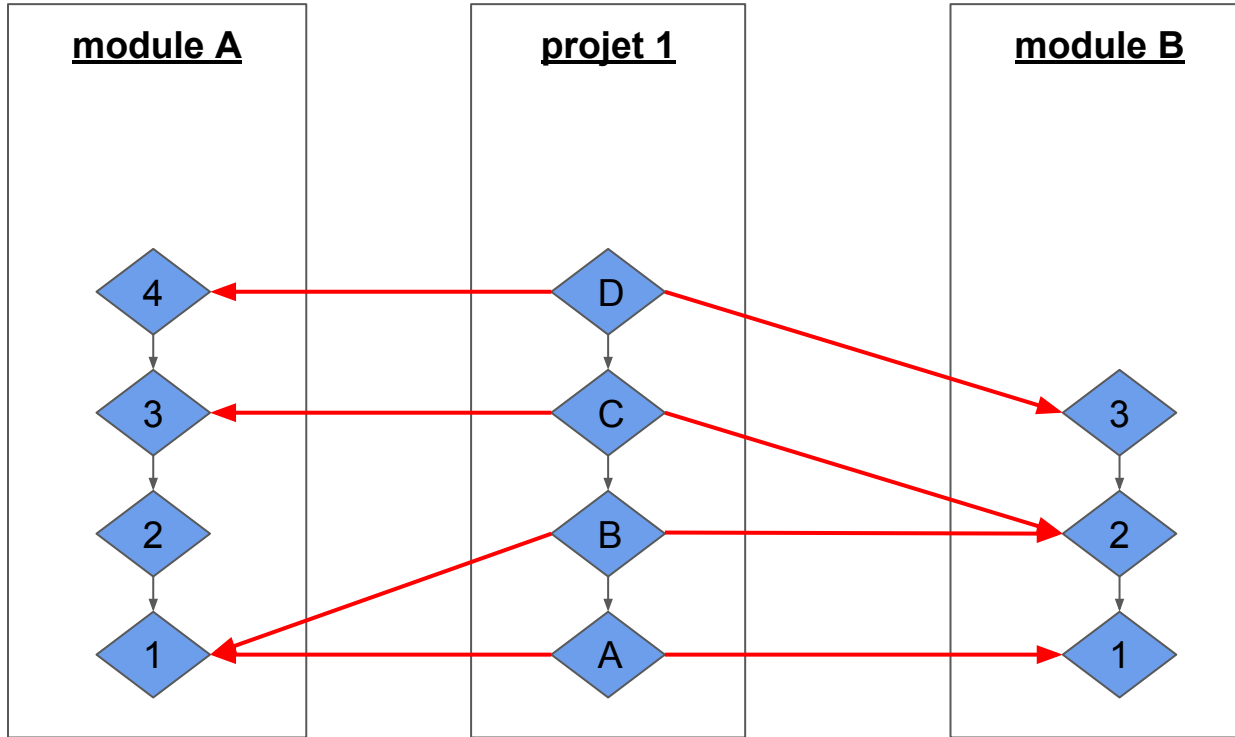
A la main



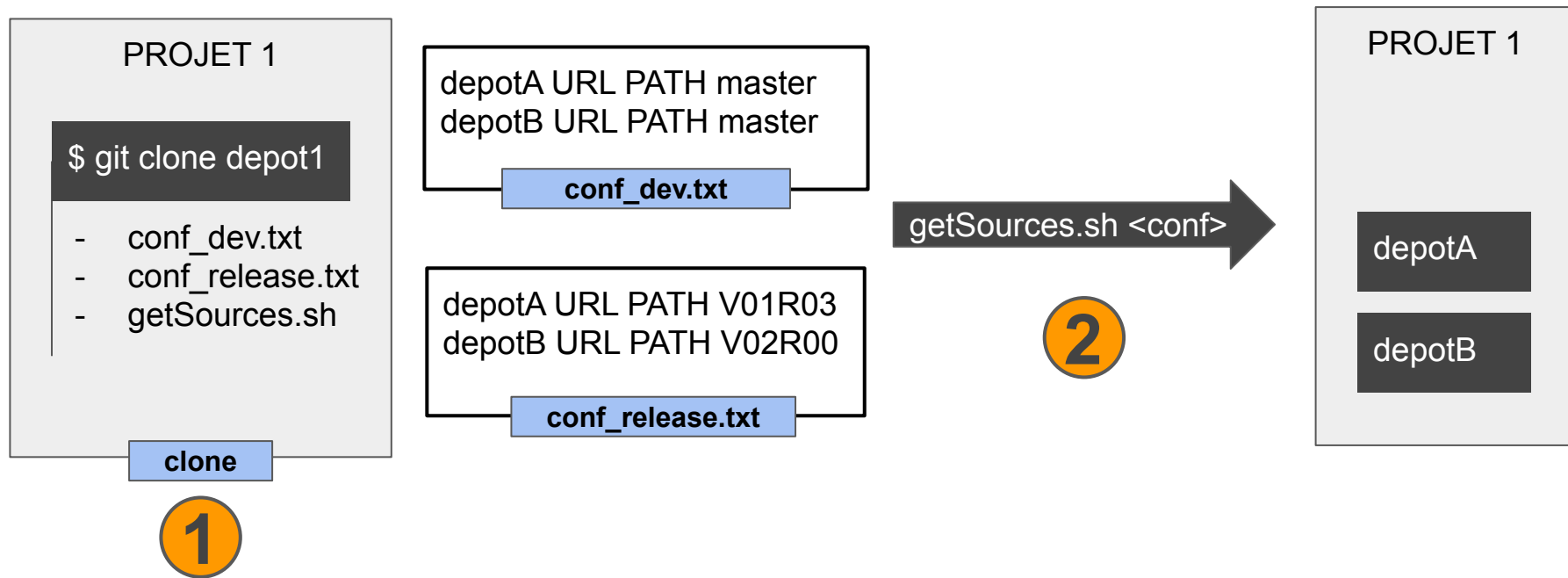
Enjeux et difficultés



gestion des versions

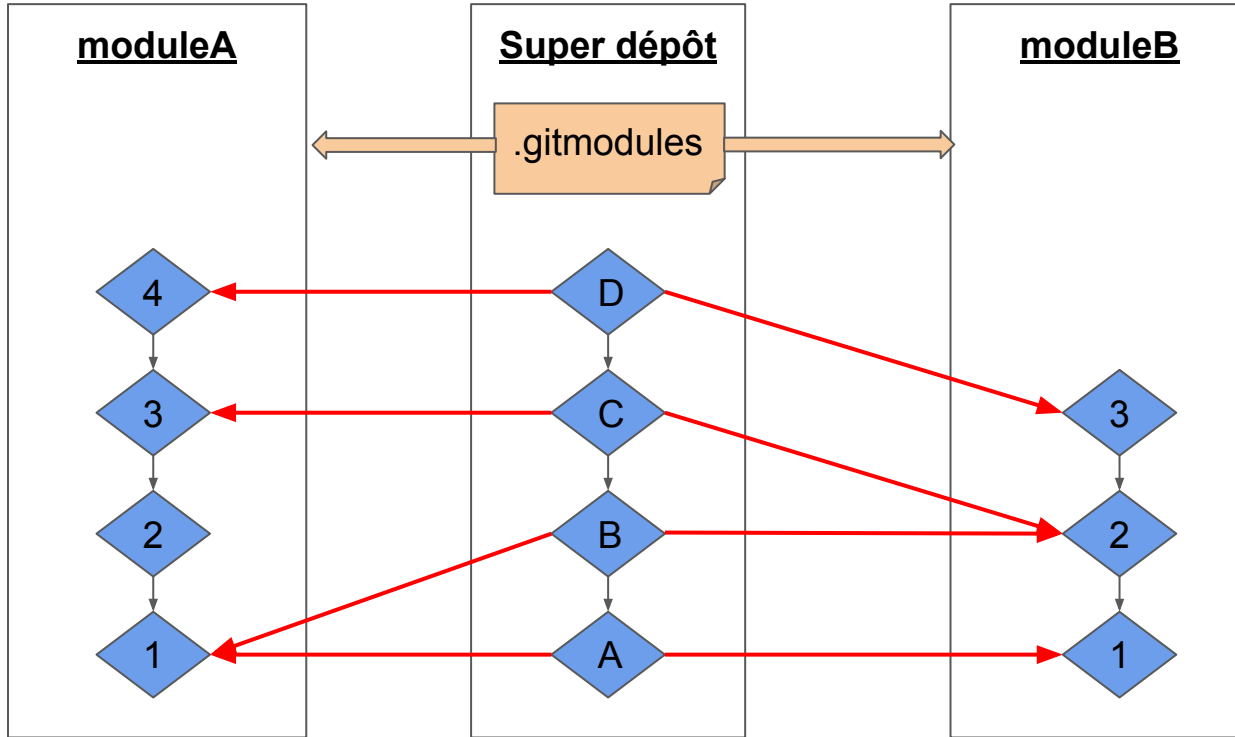


Via des scripts

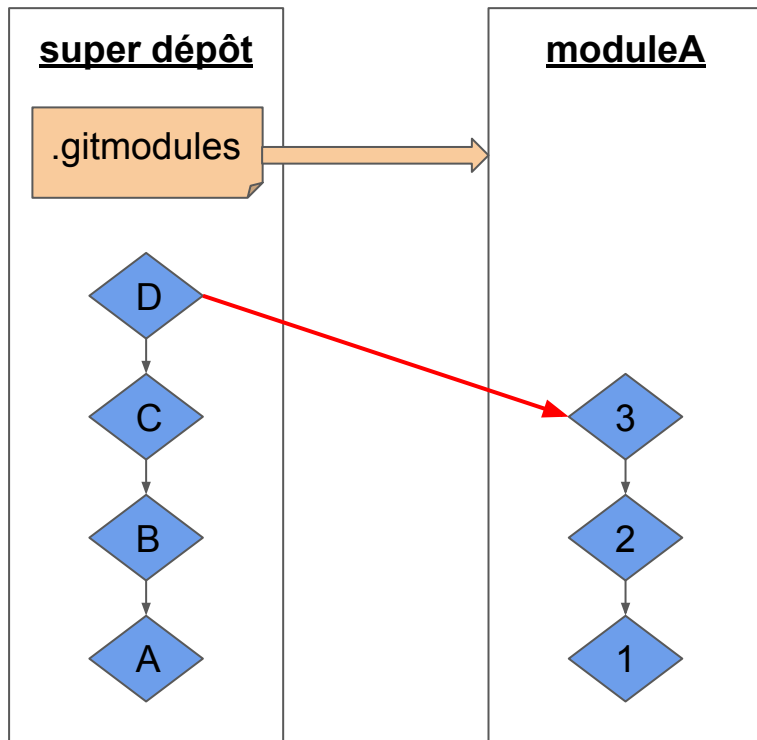


les fichier de conf et le script sont enregistrés dans le dépôt du projet

Via les submodules



Submodules: ajout



```
$ git submodule add <url> <local-path>
```

```
$ git status
```

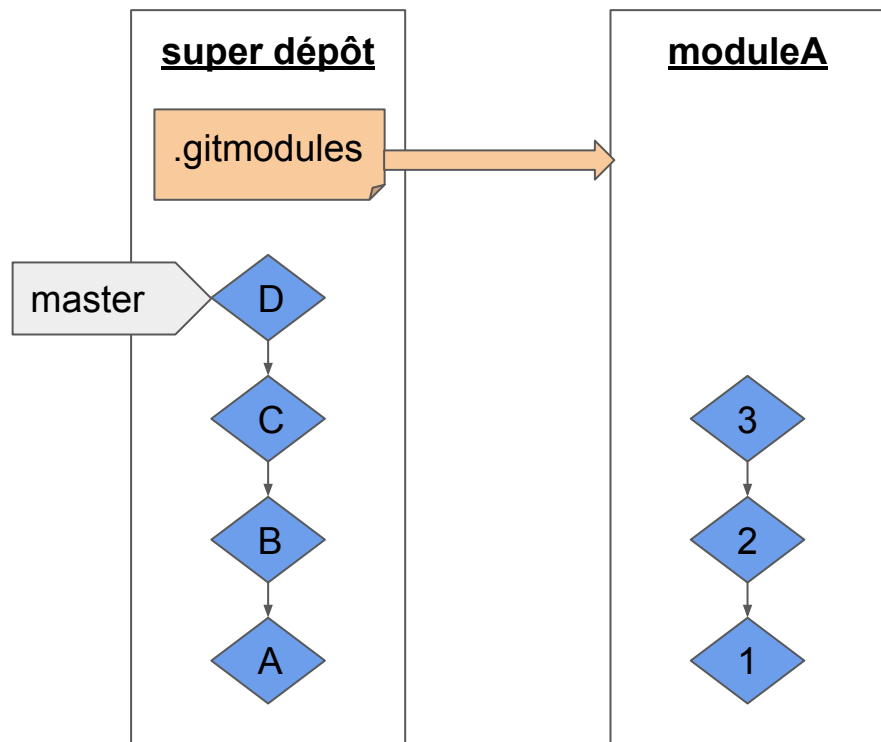
Changes to be committed:
new file: .gitmodules
new file: src/moduleA

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

```
+ [submodule "moduleA"]  
+   path = src/moduleA  
+   url = DEPOT/moduleA  
Submodule moduleA 0000000...c69c6d5  
(new submodule)
```

```
$ git commit -am 'add submodule A'
```

Submodules: cloner



```
$ git clone <depot>
```

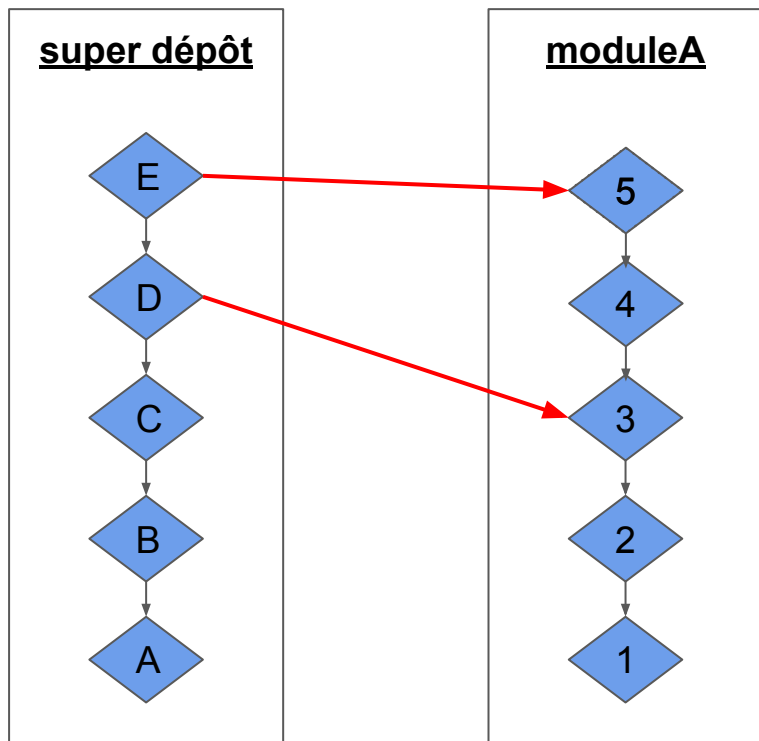
```
$ git submodule init
```

```
$ git submodule update
```

=

```
$ git clone --recurse-submodules <depot>
```

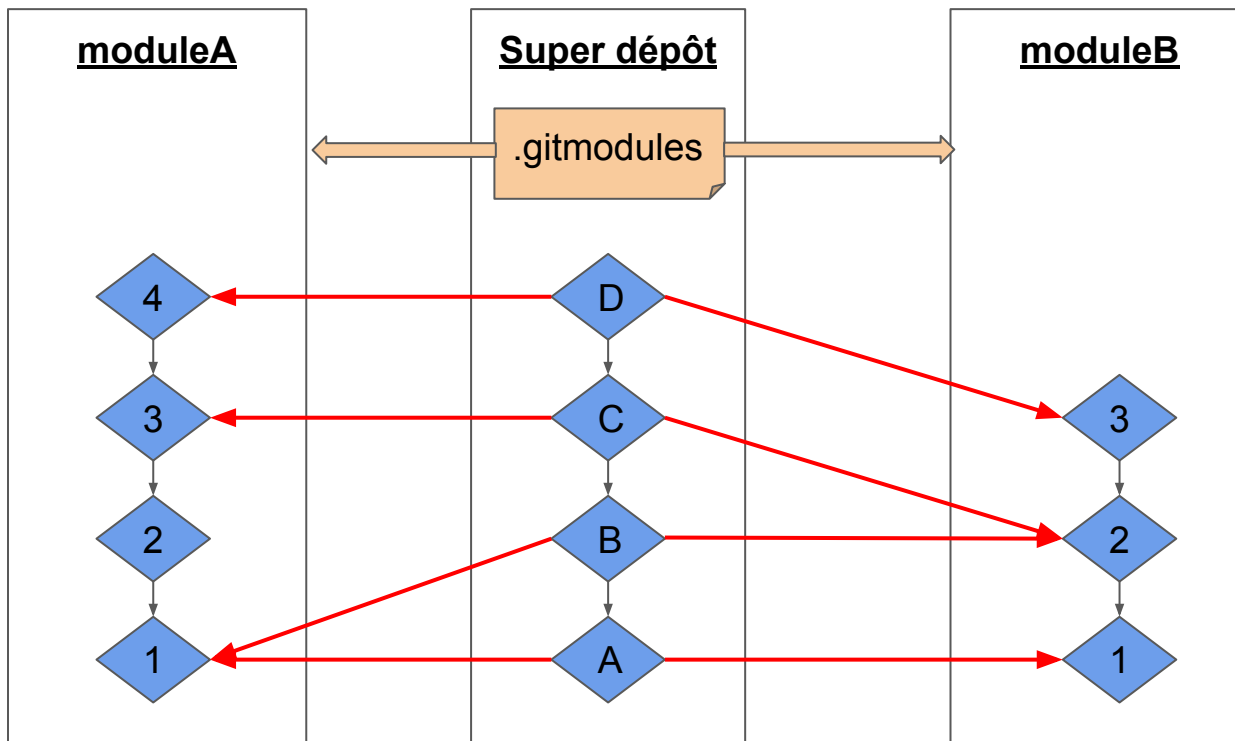
Submodules: pull



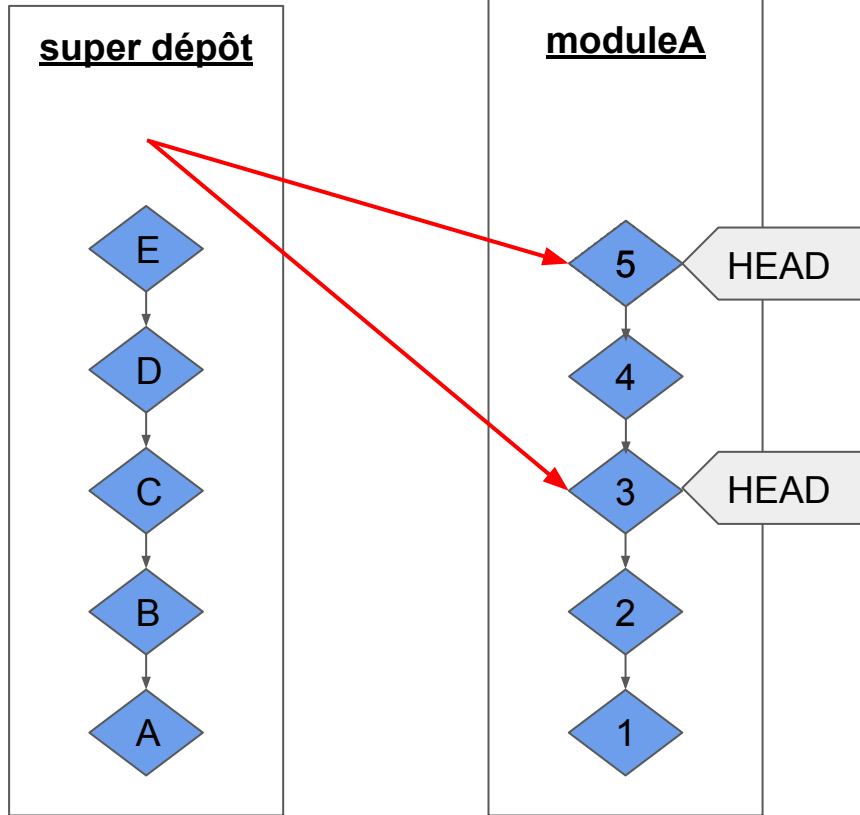
```
$ git pull
```

```
$ git submodule update --remote --merge  
ou  
$ git submodule update --remote --rebase
```

Intégrateur



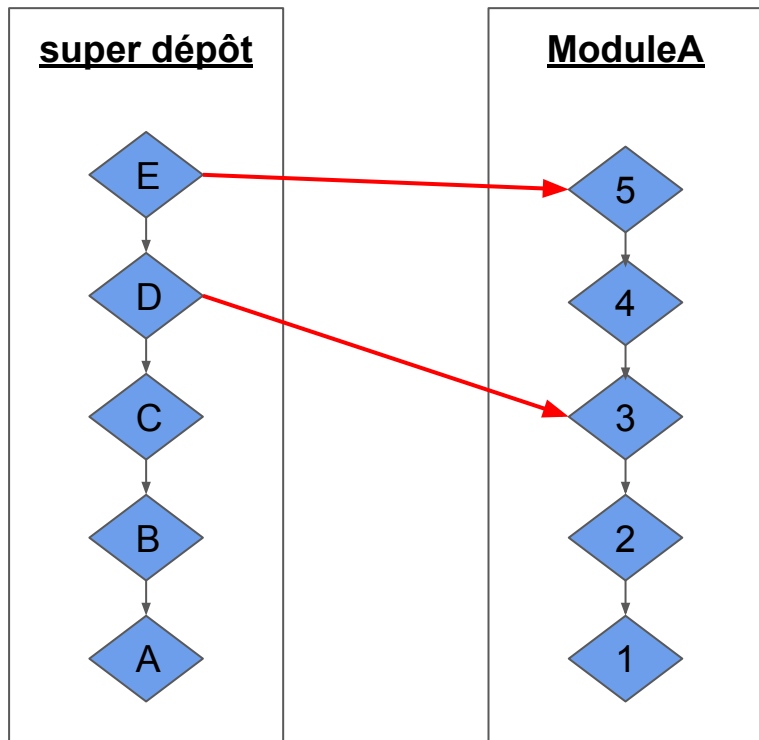
Submodules: changer de commit



`$ cd [module]`

`$ git checkout [commit]`

Submodules: update



```
$ git submodule update --remote --merge  
ou  
$ git submodule update --remote --rebase
```

```
$ git diff --submodule  
Submodule moduleA c69c6d5..4d802d1:  
> commit 4  
> commit 5
```

```
$ git add <module>  
$ git commit -m "update du module"  
$ git push
```

Submodules: développeur

1

\$ git clone modulesA
modification

2

\$ git add .
\$ git commit

3

\$ git push

ModuleA

4

3

2

1

Submodules: Intégrateur

1

\$ git submodule update

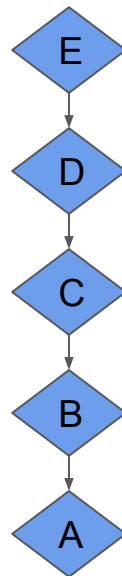
2

\$ git add .
\$ git commit

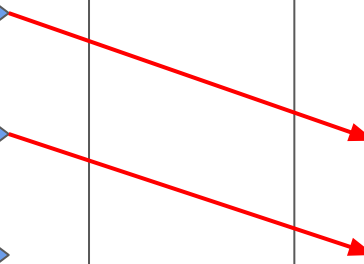
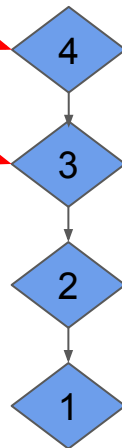
3

\$ git push

super dépôt



ModuleA



Submodules: modifier

1

```
$ cd moduleA  
modification
```

2

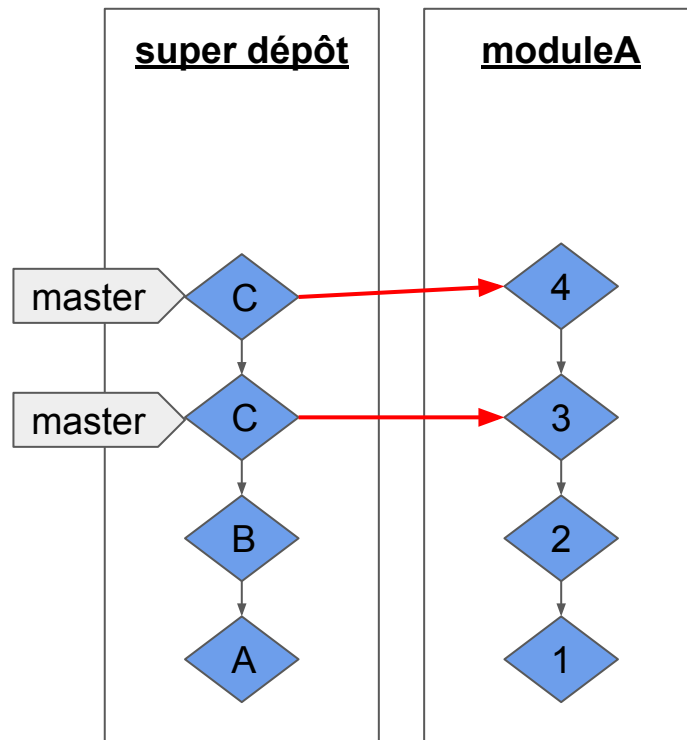
```
$ git add .  
$ git commit
```

3

```
$ git push
```

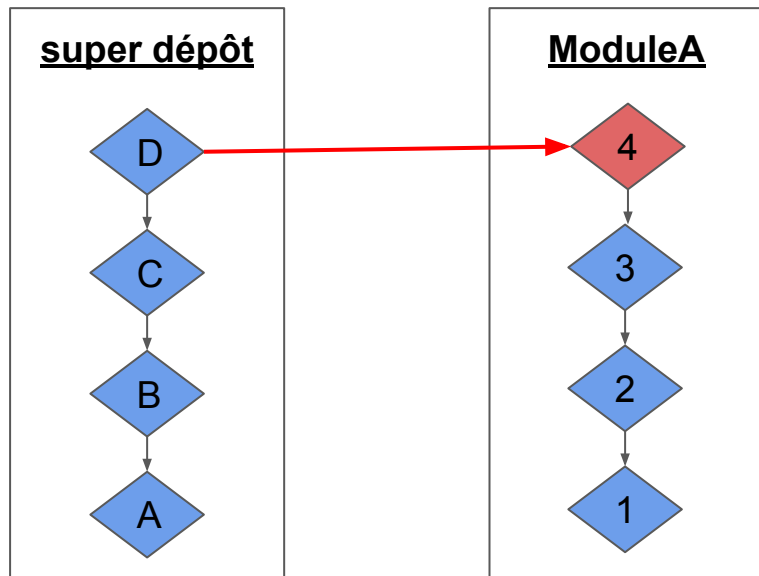
4

```
$ cd -  
$ git add .  
$ git push --recurse-submodules=check
```

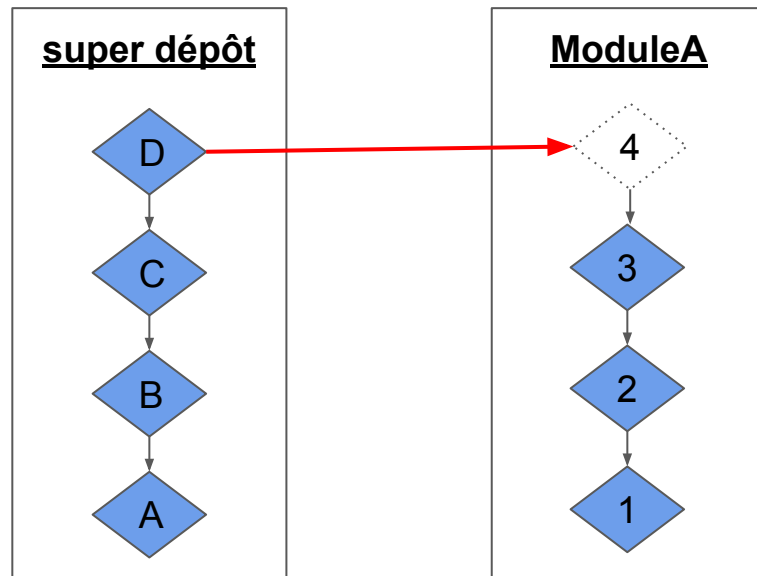


Submodules: dangers

Dev A



Dev B



```
$ git submodule update  
fatal: reference isn't a tree: 6c5e70b984a60b3
```

Submodules: Outils

```
$ git submodule foreach <cmd>
```

```
$ git config alias.sdiff '!git diff && git submodule foreach 'git diff'"  
$ git config alias.spush 'push --recurse-submodules=on-demand'  
$ git config alias.supdate 'submodule update --remote --merge'
```