

Tema 1 – Práctica 1: Fundamentos de Git II

Comando “git log --graph --all” (paso 1.g):

```

D:\Source\Repos\S2R1>git log --graph --all
* commit 70e4dec9b2775920cf4c3e106942bf58d3312185 (HEAD -> test)
  Author: FGM-DAM1U <fergarmar5@alu.edu.gva.es>
  Date:   Tue Oct 10 17:53:04 2023 +0200

    Primer commit rama test, fichero actrices.

* commit d79d7ac34b75a45b2d8f9aa89300daf69a8ec8d6 (master)
  Author: FGM-DAM1U <fergarmar5@alu.edu.gva.es>
  Date:   Tue Oct 10 17:49:17 2023 +0200

    Primer commit.
  
```

Tras regresar a la rama “master”, incorporo en esta los cambios realizados en la rama “test” con el comando “merge” (paso 1.i):

```

D:\Source\Repos\S2R1>git checkout master
Switched to branch 'master'

D:\Source\Repos\S2R1>git branch
* master
  test

D:\Source\Repos\S2R1>git merge test
Updating d79d7ac..70e4dec
Fast-forward
 actrices.txt | 3 +++
 1 file changed, 3 insertions(+)
 create mode 100644 actrices.txt
  
```

Creando ramas (“master” y “test2” ahora difieren) (paso 1.n):

```

D:\Source\Repos\S2R1>git log --graph --all
* commit f97c0784bdc59600230d79f33e4b7b39946456fa (HEAD -> test2)
  Author: FGM-DAM1U <fergarmar5@alu.edu.gva.es>
  Date:   Tue Oct 10 18:21:05 2023 +0200

    Commit a test2: añadida otra actriz para buscar conflicto con master.

* commit b4b49c4234d1c688ed8bee8e490e673803cf7a43 (master)
  Author: FGM-DAM1U <fergarmar5@alu.edu.gva.es>
  Date:   Tue Oct 10 18:18:03 2023 +0200

    Commit a master: añadida una actriz.

* commit 70e4dec9b2775920cf4c3e106942bf58d3312185 (test)
  Author: FGM-DAM1U <fergarmar5@alu.edu.gva.es>
  Date:   Tue Oct 10 17:53:04 2023 +0200


    Primer commit rama test, fichero actrices.

* commit d79d7ac34b75a45b2d8f9aa89300daf69a8ec8d6
  Author: FGM-DAM1U <fergarmar5@alu.edu.gva.es>
  Date:   Tue Oct 10 17:49:17 2023 +0200

    Primer commit.

D:\Source\Repos\S2R1>
  
```

Al intentar incorporar los cambios se produce el conflicto (paso 1.o):



```
Símbolo del sistema
D:\Source\Repos\S2R1>git branch
* master
  test
  test2

D:\Source\Repos\S2R1>git merge test2
Auto-merging actrices.txt
CONFLICT (content): Merge conflict in actrices.txt
Automatic merge failed; fix conflicts and then commit the result.

D:\Source\Repos\S2R1>git status
On branch master
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)
        both modified:   actrices.txt

no changes added to commit (use "git add" and/or "git commit -a")
```

Conflicto resuelto, ramas “master” y “test2” fusionadas (paso 1.q):

```
Símbolo del sistema
D:\Source\Repos\S2R1>git log --graph --all
*   commit e0f0fda018131b7806848bed0b3cd04505830ae5 (HEAD -> master)
|  Merge: b4b49c4 f97c078
|  Author: FGM-DAM1U <fergarmar5@alu.edu.gva.es>
|  Date:   Wed Oct 11 06:53:39 2023 +0200
|
|  Se resuelve el conflicto editando el fichero actrices.
|
|  *   commit f97c0784bdc59600230d79f33e4b7b39946456fa (test2)
|  |  Author: FGM-DAM1U <fergarmar5@alu.edu.gva.es>
|  |  Date:   Tue Oct 10 18:21:05 2023 +0200
|  |
|  |  Commit a test2: añadida otra actriz para buscar conflicto con master.
|  |
|  *   commit b4b49c4234d1c688ed8bee8e490e673803cf7a43
|  |  Author: FGM-DAM1U <fergarmar5@alu.edu.gva.es>
|  |  Date:   Tue Oct 10 18:18:03 2023 +0200
|  |
|  |  Commit a master: añadida una actriz.
|  |
|  *   commit 70e4dec9b2775920cf4c3e106942bf58d3312185 (test)
|  |  Author: FGM-DAM1U <fergarmar5@alu.edu.gva.es>
|  |  Date:   Tue Oct 10 17:53:04 2023 +0200
|  |
|  |  Primer commit rama test, fichero actrices.
|  |
|  *   commit d79d7ac34b75a45b2d8f9aa89300daf69a8ec8d6
|  |  Author: FGM-DAM1U <fergarmar5@alu.edu.gva.es>
|  |  Date:   Tue Oct 10 17:49:17 2023 +0200
```

Creación de repositorio remoto (local) y clonado del mismo en el directorio de trabajo S2R2 con el comando “git clone” (paso 3):

```
Símbolo del sistema
D:\Source\Repos\S2R2-remoto>cd..

D:\Source\Repos>git clone S2R2-remoto/ S2R2
Cloning into 'S2R2'...
warning: You appear to have cloned an empty repository.
done.
```

Primer “push” al repositorio remoto (paso 3.c):

```
C:\> Símbolo del sistema
D:\Source\Repos\S2R2>git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 287 bytes | 143.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To D:/Source/Repos/S2R2-remoto/
 * [new branch]      master -> master
```

“Push” de la rama “version1” al repo remoto para que quede asociada a una rama del mismo nombre (paso 3.g):

```
C:\> Símbolo del sistema
D:\Source\Repos\S2R2>git push -u origin version1
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 370 bytes | 370.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To D:/Source/Repos/S2R2-remoto/
 * [new branch]      version1 -> version1
branch 'version1' set up to track 'origin/version1'.
```

Tras clonar “S2R2-remoto” en “S2R3”, contenido de “directores.txt” y “git status” (paso 4.a):

```
C:\> Símbolo del sistema
D:\Source\Repos\S2R3>type directores.txt
Terry Jones
Stanley Kubrick
Roman Polansky

D:\Source\Repos\S2R3>git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
```

Cambio a rama “version1” (paso 4.b). Esta rama aún no existía y se crea automáticamente en este paso:

```
C:\> Símbolo del sistema
D:\Source\Repos\S2R3>git checkout version1
Switched to a new branch 'version1'
branch 'version1' set up to track 'origin/version1'.
```

Contenido del fichero “directores.txt” (paso 4.c):

```
Símbolo del sistema
D:\Source\Repos\S2R3>type directores.txt
Terry Jones
Stanley Kubrick
Roman Polansky
Alejandro Amenábar
Terry Gilliam
```

Se incorporan los cambios de “version1” a la rama “master” y se sube a la carpeta remota (paso 4.f):

```
Símbolo del sistema
D:\Source\Repos\S2R3>git push origin master
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To D:/Source/Repos/S2R2-remoto/
d34f61f..9a12a5d master -> master

D:\Source\Repos\S2R3>git log --graph --all
* commit 9a12a5d2afb3ee5d813d47b7ea9b07264d427300 (HEAD -> master, origin/version1, origin/master, origin/HEAD, version1)
   Author: FGM-DAM1U <fergar5@alu.edu.gva.es>
   Date:   Wed Oct 11 08:01:14 2023 +0200
   Primer commit a rama version1, añadidos dos directores más.

* commit d34f61fe9de84b4b3fddf286a61b6ace69d85779
   Author: FGM-DAM1U <fergar5@alu.edu.gva.es>
   Date:   Wed Oct 11 07:38:09 2023 +0200
   Primer commit con fichero directores.
```

Regreso a “S2R2” y obtención de los cambios sin fusionarlos (paso 5.a):

```
Símbolo del sistema
D:\Source\Repos\S2R2>git fetch
From D:/Source/Repos/S2R2-remoto
d34f61f..9a12a5d master -> origin/master
```

Actualización de la rama “master” con el contenido del repositorio remoto (paso 5.c):

```
Símbolo del sistema
D:\Source\Repos\S2R2>git pull origin master
From D:/Source/Repos/S2R2-remoto
* branch master -> FETCH_HEAD
Updating d34f61f..9a12a5d
Fast-forward
 directores.txt | 2 ++
 1 file changed, 2 insertions(+)

D:\Source\Repos\S2R2>git branch
* master
  version1

D:\Source\Repos\S2R2>type directores.txt
Terry Jones
Stanley Kubrick
Roman Polansky
Alejandro Amenábar
Terry Gilliam
```