

TP VCS

Les changesets de Julien sont identifiés par Loïc Bine suite à l'oubli de suppression du # devant username

ETAPE 1

```
<LBI>~$ mkdir TP-VCS
<LBI>~$ cd TP-VCS
<LBI>~/TP-VCS hg clone --noupdate https://bitbucket.org/nicph/tp-vcs-template ref
<LBI>~/TP-VCS ls
ref
```

ETAPE 2

```
<Aurelie>~/TP-VCS $ hg clone ref Aurelie
<Aurelie>~/TP-VCS $ ls
<Aurelie> ref
```

ETAPE 3

```
<Aurelie>~/TP-VCS $ vi Aurelie/.hg/hgrc
```

ETAPE 4

```
<Aurelie>~/TP-VCS $ cd Aurelie
<Aurelie>~/TP-VCS/Aurelie $ touch AUTHORS.txt
<Aurelie>~/TP-VCS/Aurelie $ vi AUTHORS.txt
```

ETAPE 5

```
<Aurelie>~/TP-VCS/Aurelie $ hg add AUTHORS.txt
<Aurelie>~/TP-VCS/Aurelie $ hg commit -m "Ajout du fichier AUTHORS.txt"
<Aurelie>~/TP-VCS/Aurelie $ hg push
```

ETAPE 6

```
<Clement>~/TP-VCS $ hg clone ref Clement
pushing to /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
adding changesets
adding manifests
adding file changes
added 1 changesets with 2 changes to 2 files
```

```
<Clement>~/TP-VCS $ ls
<Clement> Clement Aurelie ref
```

ETAPE 7

```
<Clement>~/TP-VCS $ vi Clement/.hg/hgrc
```

ETAPE 8

```
<Clement>~/TP-VCS $ vi Clement/README.rst
```

ETAPE 9

```
<Clement>~/TP-VCS/Clement $ hg commit -m "Modification de README.rst"
<Clement>~/TP-VCS/Clement $ hg push
pushing to /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
adding changesets
adding manifests
adding file changes
added 1 changesets with 2 changes to 2 files
```

ETAPE 10

```
<Aurelie>~/TP-VCS/Aurelie $ hg pull
pulling from /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
adding changesets
adding manifests
adding file changes
added 1 changesets with 2 changes to 2 files
<Aurelie>~/TP-VCS/Aurelie $ hg update
<Aurelie>~/TP-VCS/Aurelie $ hg branch LBI-b1
```

ETAPE 11

```
<Aurelie>~/TP-VCS/Aurelie $ hg push
pushing to /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
aucun changement trouvé
```

On règle le problème en faisant un commit de la branche

```
<Aurelie>~/TP-VCS/Aurelie $ hg commit -m "Ajout de la branche LBI-b1"
<Aurelie>~/TP-VCS/Aurelie $ hg push
```

```
pushing to /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
abandon : push creates new remote branches: LBI-b1!
(use 'hg push --new-branch' to create new remote branches)
<Aurelie>~/TP-VCS/Aurelie $ hg push --new-branch
pushing to /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
adding changesets
adding manifests
adding file changes
added 1 changesets with 1 changes to 1 files
```

ETAPE 12

```
<Clement>~/TP-VCS/Clement $ hg pull
<Clement>~/TP-VCS/Clement $ hg update
```

ETAPE 13

```
<Clement>~/TP-VCS/Clement $ vi rapport.rst
```

ETAPE 14

```
<Clement>~/TP-VCS/Clement $ make
rst2pdf -o "rapport.pdf" -l fr rapport.rst
```

ETAPE 15

```
<Clement>~/TP-VCS/Clement $ hg status
M rapport.rst
? rapport.pdf
```

ETAPE 16

```
<Clement>~/TP-VCS/Clement $ hg commit rapport.rst -m "Intégration des notes du rapport.rst"
```

ETAPE 17

```
<Clement>~/TP-VCS/Clement $ hg status
? rapport.pdf
```

On obtient ce résultat car rapport.pdf ne sont pas présent dans un commit. Lors de l'étape 15 : rapport.pdf et rapport.mst ne sont pas "committé", on le corrige donc dans l'étape 16 pour rapport.mst

ETAPE 18

```
<Clement>~/TP-VCS/Clement $ touch .hgignore  
<Clement>~/TP-VCS/Clement $ vi .hgignore
```

ETAPE 19

```
<Clement>~/TP-VCS/Clement $ hg add .hgignore  
<Clement>~/TP-VCS/Clement $ hg commit .hgignore -m "Ajout d'un hgignore"
```

ETAPE 20

```
<Clement>~/TP-VCS/Clement $ hg push  
pushing to /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref  
searching for changes  
adding changesets  
adding manifests  
adding file changes  
added 2 changesets with 2 changes to 2 files (+1 heads)
```

ETAPE 21

```
<Julien>~/TP-VCS $ hg clone ref Julien  
<Julien>~/TP-VCS $ ls  
Aurelie Clement Julien ref
```

ETAPE 22

```
<Julien>~/TP-VCS $ vi Clement/.hg/hgrc
```

ETAPE 23

```
<Julien>~/TP-VCS $ cd Julien  
<Julien>~/TP-VCS/Julien $ hg update LBI-b1  
1 files updated, 0 files merged, 1 files removed, 0 files unresolved
```

ETAPE 24

```
<Julien>~/TP-VCS/Julien $ vi rapport.rst  
<Julien>~/TP-VCS/Julien $ hg commit -m "Modification rapport.rst"  
<Julien>~/TP-VCS/Julien $ hg push  
pushing to /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref  
searching for changes
```

```
adding changesets
adding manifests
adding file changes
added 1 changesets with 1 changes to 1 files
```

ETAPE 25

```
<Clement>~/TP-VCS/Clement $ hg pull
<Clement>~/TP-VCS/Clement $ hg update --clean LBI-b1
1 files updated, 0 files merged, 1 files removed, 0 files unresolved
```

ETAPE 26

```
<Clement>~/TP-VCS/Clement $ hg log -f
changeset: 7:6103ffa9e1
branch: LBI-b1
tag: tip
parent: 4:d68304d8aa19
user: Julien <jdoe@example.com>
date: Thu Nov 17 11:54:39 2016 +0100
summary: Modification rapport.rst

changeset: 4:d68304d8aa19
branch: LBI-b1
user: Aurelie <jdoe@example.com>
date: Thu Nov 17 11:15:07 2016 +0100
summary: Ajout de la branche LBI-b1

changeset: 3:4614223cac66
user: Clement <jdoe@example.com>
date: Thu Nov 17 11:00:20 2016 +0100
summary: Modification de README.rst

changeset: 2:b93ae8b9b954
user: Aurelie <jdoe@example.com>
date: Thu Nov 17 10:30:28 2016 +0100
summary: Ajout du fichier AUTHORS.txt

changeset: 1:de233068e18a
user: nicph
date: Thu Nov 17 07:41:31 2016 +0100
summary: remove section numbering

changeset: 0:dlee9d72f15b
user: nicph
date: Sun Oct 30 10:42:51 2016 +0000
summary: add basic rst template & makefile
```

ETAPE 27

```
<Clement>~/TP-VCS/Clement $ hg diff -c -1
<Clement>~/TP-VCS/Clement $ hg diff -r -default
```

ETAPE 28

```
<Clement>~/TP-VCS/Clement $ vi rapport.rst
<Clement>~/TP-VCS/Clement $ hg commit -m "Modification rapport"
```

ETAPE 29

```
<Julien>~/TP-VCS/Julien $ hg log
```

ETAPE 30

```
<Julien>~/TP-VCS/Julien $ vi rapport.rst
```

ETAPE 31

```
<Julien>~/TP-VCS/Julien $ hg commit -m "Modification rapport"
```

ETAPE 32

```
<Clement>~/TP-VCS/Clement $ hg push
```

ETAPE 33

```
<Julien>~/TP-VCS/Julien $ hg push -f
hg push -f
pushing to /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
adding changesets
adding manifests
adding file changes
added 3 changesets with 3 changes to 1 files (+1 heads)
<Julien>~/TP-VCS/Julien $ hg merge
hg commit -m "Chronologie Julien"
<Julien>~/TP-VCS/Julien $ hg push
pushing to /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
remote has heads on branch 'LBI-b1' that are not known locally: 2978f73be137
adding changesets
adding manifests
adding file changes
added 1 changesets with 1 changes to 1 files
```

```
merging rapport.rst
3 fichiers à éditer
output file rapport.rst appears unchanged
was merge successful (yn)? n
<Julien>~/TP-VCS/Julien $ hg push
```

Julien résout le conflit en sauvegardant son rapport

ETAPE 34

```
<Clement>~/TP-VCS/Clement $ hg pull
pulling from /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
adding changesets
adding manifests
adding file changes
added 5 changesets with 5 changes to 1 files (+1 heads)
(run 'hg heads' to see heads, 'hg merge' to merge)
<Clement>~/TP-VCS/Clement $ hg update
0 files updated, 0 files merged, 0 files removed, 0 files unresolved
1 other heads for branch "LBI-b1"
[pingwin@pingwinjaro Clement]$ hg update LBI-b1
1 files updated, 0 files merged, 0 files removed, 0 files unresolved
<Clement>~/TP-VCS/Clement $ hg merge
merging rapport.rst
3 fichiers à éditer
output file rapport.rst appears unchanged
was merge successful (yn)? y
0 files updated, 1 files merged, 0 files removed, 0 files unresolved
(branch merge, don't forget to commit)
<Clement>~/TP-VCS/Clement $ hg commit -m "Synchro Depot"

<Clement>~/TP-VCS/Clement $ vi LICENSE.txt
<Clement>~/TP-VCS/Clement $ hg add LICENSE.txt
<Clement>~/TP-VCS/Clement $ hg commit -m "Ajout Licence"
```

ETAPE 35

```
<Clement>~/TP-VCS/Clement $ touch ROADMAP.txt
<Clement>~/TP-VCS/Clement $ hg add ROADMAP.txt
<Clement>~/TP-VCS/Clement $ hg commit -m "Ajout ROADMAP"
```

ETAPE 36

```
<Clement>~/TP-VCS/Clement $ hg push
pushing to /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
adding changesets
adding manifests
```

```
adding file changes
added 3 changesets with 3 changes to 3 files (-1 heads)
```

ETAPE 37

```
<Julien>~/TP-VCS/Julien $ hg commit -m "Ajout notes"
```

ETAPE 38

```
<Julien>~/TP-VCS/Julien $ hg incoming
comparaison avec /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
changeset: 12:2978f73be137
branch:    LBI-b1
parent:    8:5ff28a8aed0b
user:      Clement <jdoe@example.com>
date:      Tue Nov 29 20:06:47 2016 +0100
summary:   Synchro clément

changeset: 15:55a752433466
branch:    LBI-b1
parent:    14:30eecae0f9ae
parent:    12:2978f73be137
user:      Clement <jdoe@example.com>
date:      Tue Nov 29 20:22:13 2016 +0100
summary:   Synchro Depot

changeset: 16:07ab5abdf0ff
branch:    LBI-b1
user:      Clement <jdoe@example.com>
date:      Tue Nov 29 20:24:15 2016 +0100
summary:   Ajout Licence

changeset: 17:015a72ef82cf
branch:    LBI-b1
tag:       tip
user:      Clement <jdoe@example.com>
date:      Tue Nov 29 20:27:03 2016 +0100
summary:   Ajout ROADMAP
```

ETAPE 39

```
<Julien>~/TP-VCS/Julien $ hg pull
<Julien>~/TP-VCS/Julien $ hg rebase
```

hg rebase diffère par son effet sur l'historique. Là où hg merge fusionne en conservant les anciens changements, rebase lui fusionne mais remplace les anciens changements. Il les remplace.

Dans .hg/hgrc .. code-block:: sh

[extensions] rebase=

```
<Julien>~/TP-VCS/Julien $ hg commit -m "Modif Rapport"
<Julien>~/TP-VCS/Julien $ hg rebase
rebasing 14:b5346f424544 "Ajout notes"
merging rapport.rst
rebasing 19:cadb599a7567 "Modif Rapport" (tip)
merging rapport.rst
saved backup bundle to /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/Julien
```

ETAPE 40

```
<Julien>~/TP-VCS/Julien $ hg push
pushing to /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
adding changesets
adding manifests
adding file changes
added 2 changesets with 2 changes to 1 files
```

ETAPE 41

```
<Clement>~/TP-VCS/Clement $ hg pull
pulling from /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
adding changesets
adding manifests
adding file changes
added 2 changesets with 2 changes to 1 files
(run 'hg update' to get a working copy)
<Clement>~/TP-VCS/Clement $ hg update
1 files updated, 0 files merged, 0 files removed, 0 files unresolved
<Clement>~/TP-VCS/Clement $ hg update LBI-b1
0 files updated, 0 files merged, 0 files removed, 0 files unresolved

<Clement>~/TP-VCS/Clement $ mkdir src
<Clement>~/TP-VCS/Clement $ mv rapport.rst src/
<Clement>~/TP-VCS/Clement $ mv Makefile src/
<Clement>~/TP-VCS/Clement $ hg status
! Makefile
! rapport.rst
? src/Makefile
? src/rapport.rst
<Clement>~/TP-VCS/Clement $ hg add src/Makefile
<Clement>~/TP-VCS/Clement $ hg add src/rapport.rst
<Clement>~/TP-VCS/Clement $ hg status
A src/Makefile
A src/rapport.rst
! Makefile
! rapport.rst
```

```
<Clement>~/TP-VCS/Clement $ hg commit -m "Move to sr"
<Clement>~/TP-VCS/Clement $ hg remove --after
suppression de Makefile
suppression de rapport.rst
not removing .hgignore: file still exists
not removing AUTHORS.txt: file still exists
not removing LICENSE.txt: file still exists
not removing README.rst: file still exists
not removing ROADMAP.txt: file still exists
not removing src/Makefile: file still exists
not removing src/rapport.rst: file still exists
```

ETAPE 42

```
<Clement>~/TP-VCS/Clement $ hg push
pushing to /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
adding changesets
adding manifests
adding file changes
added 1 changesets with 2 changes to 2 files
```

ETAPE 43

```
<Julien>~/TP-VCS/Julien $ hg pull
pulling from /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
adding changesets
adding manifests
adding file changes
added 1 changesets with 2 changes to 2 files
(run 'hg update' to get a working copy)
<Julien>~/TP-VCS/Julien $ hg update
2 files updated, 0 files merged, 0 files removed, 0 files unresolved
<Julien>~/TP-VCS/Julien $ hg update LBI-b1
0 files updated, 0 files merged, 0 files removed, 0 files unresolved
<Julien>~/TP-VCS/Julien $ hg update
local [working copy] changed rapport.rst which other [destination] deleted
use (c)hanged version, (d)delete, or leave (u)nresolved? d
0 files updated, 0 files merged, 2 files removed, 0 files unresolved
```

ETAPE 44

```
<Julien>~/TP-VCS/Julien $ hg log src/rapport.rst
```

ETAPE 45

```
<Aurelie>~/TP-VCS/Aurelie $ hg pull
pulling from /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
adding changesets
adding manifests
adding file changes
added 17 changesets with 17 changes to 6 files (+1 heads)
(run 'hg heads' to see heads)
<Aurelie>~/TP-VCS/Aurelie $ hg update
5 files updated, 0 files merged, 2 files removed, 0 files unresolved
<Aurelie>~/TP-VCS/Aurelie $ hg update LBI-b1
0 files updated, 0 files merged, 0 files removed, 0 files unresolved
<Aurelie>~/TP-VCS/Aurelie $ hg tag LBI-v1.0
```

ETAPE 46

```
<Aurelie>~/TP-VCS/Aurelie $ hg branch LBI-b2
marked working directory as branch LBI-b2
<Aurelie>~/TP-VCS/Aurelie $ hg commit -m "New branch"
<Aurelie>~/TP-VCS/Aurelie $ hg push --new-branch
pushing to /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
adding changesets
adding manifests
adding file changes
added 2 changesets with 1 changes to 1 files
```

ETAPE 47

```
<Clement>~/TP-VCS/Clement $ hg pull
pulling from /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
adding changesets
adding manifests
adding file changes
added 2 changesets with 1 changes to 1 files
(run 'hg update' to get a working copy)
<Clement>~/TP-VCS/Clement $ hg update
1 files updated, 0 files merged, 0 files removed, 0 files unresolved
<Clement>~/TP-VCS/Clement $ hg update LBI-b2
0 files updated, 0 files merged, 0 files removed, 0 files unresolved
```

ETAPE 48

```
<Clement>~/TP-VCS/Clement $ hg commit -m "MàJ Notes"
<Clement>~/TP-VCS/Clement $ hg push
```

ETAPE 49

```
<Julien>~/TP-VCS/Julien $ hg pull
<Julien>~/TP-VCS/Julien $ hg update
<Julien>~/TP-VCS/Julien $ hg update LBI-b2
```

ETAPE 50

```
<Julien>~/TP-VCS/Julien $ hg commit -m "MàJ Notes"
<Julien>~/TP-VCS/Julien $ hg push
```

ETAPE 51

```
<Clement>~/TP-VCS/Clement $ hg pull
<Clement>~/TP-VCS/Clement $ hg update
<Clement>~/TP-VCS/Clement $ hg update LBI-b1
```

ETAPE 52

```
<Clement>~/TP-VCS/Clement $ hg commit -m "Correction Notes"
<Clement>~/TP-VCS/Clement $ hg push
pushing to /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
adding changesets
adding manifests
adding file changes
added 1 changesets with 1 changes to 1 files (+1 heads)
```

ETAPE 53

```
<Clement>~/TP-VCS/Clement $ hg diff -r LBI-v1.0
```

ETAPE 54

```
<Aurélie>~/TP-VCS/Aurélie $ hg pull
<Aurélie>~/TP-VCS/Aurélie $ hg update
<Aurélie>~/TP-VCS/Aurélie $ hg update LBI-b1
<Aurélie>~/TP-VCS/Aurélie $ hg tag LBI-v1.1
```

ETAPE 55

```
<Aurélie>~/TP-VCS/Aurélie $ hg merge LBI-b2
merging src/rapport.rst
```

```
3 fichiers à éditer
output file src/rapport.rst appears unchanged
was merge successful (yn)? y
0 files updated, 1 files merged, 0 files removed, 0 files unresolved
(branch merge, don't forget to commit)
<Aurélie>~/TP-VCS/Aurélie hg commit -m "Merge on LBI-b2"
<Aurélie>~/TP-VCS/Aurélie hg push
pushing to /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
adding changesets
adding manifests
adding file changes
added 2 changesets with 2 changes to 2 files (-1 heads)
```

ETAPE 56

```
<Aurélie>~/TP-VCS/Aurélie $ hg log -f $(Historique Complet)
<Aurélie>~/TP-VCS/Aurélie $ hg log --graph $(Graphe)
<Aurélie>~/TP-VCS/Aurélie $ hg log --stat $(Résumé)
<Aurélie>~/TP-VCS/Aurélie $ hg log -v $(Fichiers)
```

ETAPE 57

```
<Loic>~/TP-VCS/ $ mkdir Loic
<Loic>~/TP-VCS/ $ hg clone ref Loic
<Loic>~/TP-VCS/ $ hg update LBI-b2
```

ETAPE 58

```
<Loic>~/TP-VCS/ cd Loic
<Loic>~/TP-VCS/Loic $ vi .hg/hgrc
```

ETAPE 59

```
<Loic>~/TP-VCS/Loic $ vi .hg/hgrc
```

ETAPE 60

```
<Loic>~/TP-VCS/Loic $ vi src/rapport.rst
```

ETAPE 61

```
<Loic>~/TP-VCS/Loic $ hg export > ../Aurelie/loic.patch
```

ETAPE 62

```
<Aurelie>~/TP-VCS/Aurelie $ hg update LBI-b2
<Aurelie>~/TP-VCS/Aurelie $ hg import loic.patch
<Aurelie>~/TP-VCS/Aurelie $ hg commit -m "Modifs"
<Aurelie>~/TP-VCS/Aurelie $ hg push
```

ETAPE 63

```
<Loic>~/TP-VCS/Loic $ vi .hg/hgrc
<Loic>~/TP-VCS/Loic $ hg pull
<Loic>~/TP-VCS/Loic hg update
```

ETAPE 64

```
<Aurelie>~/TP-VCS/Aurelie $ hg commit -m "Finalisation rapport"
<Aurelie>~/TP-VCS/Aurelie $ hg push
pushing to /home/pingwin/Documents/CNAM_2016_2017/OPI/TP1/EnvTP1/TP_VCS/ref
searching for changes
adding changesets
adding manifests
adding file changes
added 1 changesets with 1 changes to 1 files
<Aurelie>~/TP-VCS/Aurelie $ cd src
<Aurelie>~/TP-VCS/Aurelie/src make
```