

# Précis des commandes GIT

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## Initialisation d'un projet GIT

### Initialiser un projet vide

**Syntaxe :** git init

```
D:\GIT\projet_git_vide
λ git init
Initialized empty Git repository in D:/GIT/projet_git_vide/.git/
```

### Initialiser un projet à partir d'un projet existant (ou cloner un projet)

**Syntaxe :** git clone <url\_du\_projet>

```
D:\GIT
λ git clone https://github.com/banago/PHPloy.git
Cloning into 'PHPloy'...
remote: Counting objects: 1742, done.
remote: Total 1742 (delta 0), reused 0 (delta 0), pack-reused 1741Receiving objects: 100% (1742/1742), 18.38 MiB | 12.24 MiB/s
Receiving objects: 100% (1742/1742), 21.62 MiB | 12.24 MiB/s, done.
Resolving deltas: 100% (966/966), done.
Checking connectivity... done.
```

## Travailler avec un dépôt local

### Vérifier l'état du dépôt

**Syntaxe :** git status

```
D:\GIT\PHPloy\src (master)
λ git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   Connection.php

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

### Vérifier la liste des révisions

**Syntaxe :** git log

```
D:\GIT\PHPloy\src (master)
λ git log
commit 598992e4c8578467d457955f8c5889544a1dceda
Merge: 8c2f2ad 144215d
Author: Baki Goxhaj <banago@gmail.com>
Date:   Wed Dec 7 12:36:40 2016 +0100

    Merge pull request #295 from ogrosko/issue/279/pre-deploy-remote-should-run-from-path

    [ISSUE] #279 pre-deploy-remote should run from path

commit 8c2f2ad80e2bc8fc58e71ef31a7ac58d371fbde8
Merge: c521f9f 6465020
Author: Baki Goxhaj <banago@gmail.com>
Date:   Fri Dec 2 22:06:43 2016 +0100

    Merge pull request #299 from mikaelz/patch-1

    More straightforward logger example

commit 64650206d4f49194c04fc59e8dcff90dbf3c5982
Author: Michal Zuber <michalzuber86@gmail.com>
Date:   Fri Nov 18 12:09:05 2016 +0100

    More straightforward logger example

    Due issue #298
```

## Vérifier les différences avec la révision précédente

**Syntaxe 1 :** git diff [ <filename> ]

```
D:\GIT\PHPloy\src (master)
λ git diff Connection.php
diff --git a/src/Connection.php b/src/Connection.php
index 9159741..444952b 100644
--- a/src/Connection.php
+++ b/src/Connection.php
@@ -28,16 +28,27 @@ class Connection
     public function __construct($server)
     {
         if (!isset($server['scheme'])) {
-            throw new \Exception("Please provide a connection protocol such as 'ftp' or 'sftp'.");
+            throw new \Exception("Please provide a connection protocol such as 'ftp', 'sftp' or 'scp'.");
         }

         if ($server['scheme'] === 'ftp' or $server['scheme'] === 'ftps') {
-            $this->server = $this->connectToFtp($server);
-        } elseif ($server['scheme'] === 'sftp') {
+            $this->server = $this->connectoSftp($server);
+        } else {
+            throw new \Exception("Please provide a known connection protocol such as 'ftp' or 'sftp'.");
+        }
+
+        switch($server['scheme'])
+        {
+            case 'ftp':
+                $this->server = $this->connectToFtp($server);
+                break;
+
+            case 'sftp':
+                $this->server = $this->connectoSftp($server);
+                break;
+
+            case 'scp':
+                $this->server = $this->connectToScp($server);
+                break;
+
+            default:
+                throw new \Exception("Please provide a known connection protocol such as 'ftp', 'sftp' or 'scp'.");
+                break;
+        }
     }
 }
```

## Ajouter un fichier au tracker

**Syntaxe :** git add <elem1> [ <elem2> ... <elemN> ]

```
D:\GIT\PHPloy (master)
λ git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

       modified:   src/Connection.php

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

D:\GIT\PHPloy (master)
λ git add src/Connection.php

D:\GIT\PHPloy (master)
λ git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

       modified:   src/Connection.php
```

## Valider des modifications

**Syntaxe :** git commit -m <msg>

```
D:\GIT\PHPloy (master)
λ git commit -m "Connection.php : Ajouter d'une méthode de connection via SCP"
[master d741784] Connection.php : Ajouter d'une méthode de connection via SCP
Committer: Thierry HEIRMAN <theirman@sgqa.inra>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 19 insertions(+), 8 deletions(-)
```

## Annuler une révision en conservant ses modifications

**Syntaxe :** git reset <hashcode>

```
D:\GIT\PHPloy (master)
λ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)
nothing to commit, working directory clean

D:\GIT\PHPloy (master)
λ git reset 598992e4c8578467d457955f8c5889544a1dceda
Unstaged changes after reset:
M   src/Connection.php

D:\GIT\PHPloy (master)
λ git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   src/Connection.php

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

## Annuler une révision et ses modifications

**Syntaxe :** `git reset --hard <hashcode>`

```
D:\GIT\PHPloy (master)
λ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)
nothing to commit, working directory clean

D:\GIT\PHPloy (master)
λ git reset --hard 598992e4c8578467d457955f8c5889544a1dceda
HEAD is now at 598992e Merge pull request #295 from ogrosko/issue/279/pre-deploy-remote-should-run-from-path

D:\GIT\PHPloy (master)
λ git status
On branch master
Your branch is up-to-date with 'origin/master'.
nothing to commit, working directory clean

D:\GIT\PHPloy (master)
λ git log
commit 598992e4c8578467d457955f8c5889544a1dceda
Merge: 8c2f2ad 144215d
Author: Baki Goxhaj <banago@gmail.com>
Date: Wed Dec 7 12:36:40 2016 +0100

Merge pull request #295 from ogrosko/issue/279/pre-deploy-remote-should-run-from-path

[ISSUE] #279 pre-deploy-remote should run from path
```

## Tagger une révision

**Syntaxe :** `git tag <tagname> <hashcode>`

```
D:\GIT\PHPloy (master)
λ git tag PHPloy-INRA-v1.0 9bdb51c75415216a61ddaf01a40b0ebb7b27e1e

D:\GIT\PHPloy (master)
λ git tag -n --contains 9bdb51c75415216a61ddaf01a40b0ebb7b27e1e
PHPloy-INRA-v1.0 Connection.php : Ajouter d'une méthode de connection via SCP
```

## Travailler avec un dépôt distant

### Ajouter un dépôt distant

**Syntaxe :** git remote add <name> <url>

```
D:\GIT\PHPloy (master)
λ git remote add mon-depot-distant-git https://github.com/banago/PHPloy.git
```

### Afficher les dépôts distants

**Syntaxe :** git remote -v

```
D:\GIT\PHPloy (master)
λ git remote
mon-depot-distant-git
origin
```

### Supprimer un dépôt distant

**Syntaxe :** git remote remove <name>

```
D:\GIT\PHPloy (master)
λ git remote remove mon-depot-distant-git
```

### Envoyer une (des) révision(s) validée(s) vers le dépôt distant

**Syntaxe :** git push <name> <branch>

```
D:\GIT\PHPloy (master) PHPloy - Incremental Git (S)FTP deployment tool
λ git push mon-depot-distant-git master http://wplancer.com/phploy/
Counting objects: 4, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 533 bytes | 0 bytes/s, done.
Total 4 (delta 3), reused 0 (delta 0)
```



## Recevoir la (les) nouvelle(s) révision(s) du dépôt distant

**Syntaxe :** git pull <name> <branch>

```
D:\GIT\PHPloy (master)
λ git pull origin
Updating 5e8f48e..598992e
Fast-forward
 .gitignore | 1 +
 .travis.yml | 21 ++
 bin/phploy.phar | Bin 461125 -> 376475 bytes
 build | 11 +-
 composer.json | 12 +-
 contributing.md | 80 ++++-
 phploy.bat | 14 +-
 phploy.ini | 31 +-
 phploy.php | 4 +-
 readme.md | 211 ++++++-----
 src/Connection.php | 89 +++--
 src/Git.php | 44 +-
 src/Options.php | 69 +-
 src/PHPloy.php | 778 ++++++-----
 tests/CommitFileTest.php | 83 +++++
 tests/ExecutionErrorTest.php | 28 ++
 tests/PHPloyTestHelper.php | 127 ++++++
 tests/ftp_setup.sh | 4 +
 tests/resources/ftp_phploy.ini | 8 +
 tests/resources/sftp_phploy.ini | 8 +
 tests/start_test_server.sh | 22 ++
 tests/stop_test_server.sh | 7 +
 22 files changed, 1262 insertions(+), 390 deletions(-)
 create mode 100644 .travis.yml
 create mode 100644 tests/CommitFileTest.php
 create mode 100644 tests/ExecutionErrorTest.php
 create mode 100644 tests/PHPloyTestHelper.php
 create mode 100755 tests/ftp_setup.sh
 create mode 100644 tests/resources/ftp_phploy.ini
 create mode 100644 tests/resources/sftp_phploy.ini
 create mode 100755 tests/start_test_server.sh
 create mode 100755 tests/stop_test_server.sh
```



## Travailler avec les branches

### Afficher les branches

**Syntaxe :** git branch

```
D:\GIT\PHPloy (master)
λ git branch
* master
  test-phploy
```

### Ajouter une branche

**Syntaxe :** git branch <branch>

```
D:\GIT\PHPloy (master)
λ git branch add-new-connection
```

### Supprimer une branche

**Syntaxe :** git branch -D <branch>

```
D:\GIT\PHPloy (master)
λ git branch -D test-phploy
Deleted branch test-phploy (was 598992e).
```

### Changer de branche

**Syntaxe :** git checkout <branch>

```
D:\GIT\PHPloy (master)
λ git checkout add-new-connection
Switched to branch 'add-new-connection'
```

### Fusionner une branche A vers une branche B

**Syntaxe :** git merge <branchA>

```
D:\GIT\PHPloy (add-new-connection)
λ git checkout master
Switched to branch 'master'
Your branch is up-to-date with 'origin/master'.

D:\GIT\PHPloy (master)
λ git merge add-new-connection
Updating 598992e..ba413f6
Fast-forward
 src/Connection.php | 27 ++++++++
 1 file changed, 19 insertions(+), 8 deletions(-)
```