

Push to a Remote Repository

Using a command line

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Topics

Remotes- git clone vs. git
remote add

Clone a remote repository

Add a remote repository to a
local repository

Push commits to a remote
repository

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WHAT IS `git clone`?

`git clone` is used to create a local copy of a remote repository



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CLONING A REMOTE REPOSITORY

```
git clone <url/to/projectname.git> [localprojectname]
```



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CLONING A REMOTE REPOSITORY

```
git clone <url/to/projectname.git> [localprojectname]
```


```
repos$ git clone https://bitbucket.org/atlassian_tutorial/helloworld.git
Cloning into 'helloworld'...
remote: Counting objects: 35, done.
remote: Compressing objects: 100% (21/21), done.
remote: Total 35 (delta 0), reused 0 (delta 0)
Unpacking objects: 100% (35/35), done.
```

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CLONING A REMOTE REPOSITORY

```
git clone <url/to/projectname.git> [localprojectname]
```

```
repos$ git clone https://bitbucket.org/atlassian_tutorial/helloworld.git
Cloning into 'helloworld'...
remote: Counting objects: 35, done.
remote: Compressing objects: 100% (21/21), done.
remote: Total 35 (delta 0), reused 0 (delta 0)
Unpacking objects: 100% (35/35), done.
$ cd helloworld
$ ls -a
.  ..  .git LICENSE README pom.xml src
```



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REMOTE REPOSITORY INFORMATION

```
git remote --verbose
```

- Displays information about remote repositories associated with the local repository



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REMOTE REPOSITORY INFORMATION

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```
repos$ git clone https://bitbucket.org/atlassian_tutorial/helloworld.git
Cloning into 'helloworld'...
$ cd helloworld
```

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REMOTE REPOSITORY INFORMATION

`git remote --verbose`

- Displays information about remote repositories associated with the local repository

```
repos$ git clone https://bitbucket.org/atlassian_tutorial/helloworld.git
Cloning into 'helloworld'...
$ cd helloworld
helloworld$ git remote -v
origin  https://bitbucket.org/atlassian_tutorial/helloworld.git (fetch)
origin  https://bitbucket.org/atlassian_tutorial/helloworld.git (push)
```

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Topics

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repository

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ADD A REMOTE REPOSITORY

```
git remote add <name> <url>
```

```
(create a remote Bitbucket repository named repoa)
repoa$ git remote add origin https://me@bitbucket.org/me/repoa.git
repoa$ git remote -v
origin  https://bitbucket.org/me/repoa.git (fetch)
origin  https://bitbucket.org/me/repoa.git (push)
```

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Topics

Remotes- git clone vs. git
remote add

Clone a remote repository

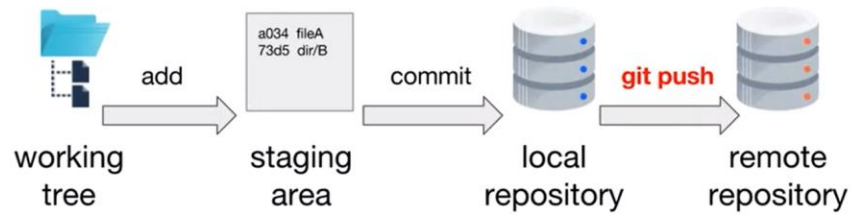
Add a remote repository to a
local repository

Push commits to a remote
repository

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PUSH A COMMIT TO A REMOTE REPOSITORY

`git push` writes commits for a branch to a remote repository



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PUSHING LOCAL COMMITS TO REMOTE

`git push [-u] [<repository>] [<branch>]`

- `<repository>` can be a name (shortcut) or URL
- `-u` track this branch (`--set-upstream`)



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PUSHING LOCAL COMMITS TO REMOTE

```
git push [-u] [<repository>] [<branch>]
```

- <repository> can be a name (shortcut) or URL
- -u track this branch (--set-upstream)

```
repoa$ git remote -v
origin  https://bitbucket.org/me/repoa.git (fetch)
origin  https://bitbucket.org/me/repoa.git (push)
```

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PUSHING LOCAL COMMITS TO REMOTE

```
git push [-u] [<repository>] [<branch>]
```

- <repository> can be a name (shortcut) or URL
- -u track this branch (--set-upstream)

```
repoa$ git remote -v
origin  https://bitbucket.org/me/repoa.git (fetch)
origin  https://bitbucket.org/me/repoa.git (push)
repoa$ git push -u origin master
Username for 'https://me@bitbucket.org': me # you may need to set up an app pw
Password for 'https://me@bitbucket.org':
Counting objects: 3, done.
Writing objects: 100% (3/3), 223 bytes | 223.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://bitbucket.org/me/repoa.git
 * [new branch]      master -> master
Branch master set up to track remote branch master from origin.
```

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ADDING COMMITS- STARTING WITH NO LOCAL REPOSITORY

Put some bits in your bucket

Add some code or content and start bringing your ideas to life. [Learn how](#)

Get started the easy way

Creating a README or a .gitignore is a quick and easy way to get something into your repository.

Create a README

Create a .gitignore

Get started with command line

- > I have an existing project
- > I'm starting from scratch

```

1  git clone https://me@bitbucket.org/me/repoa.git
2  cd repoa
3  echo "# My project's README" >> README.md
4  git add README.md
5  git commit -m "Initial commit"
6  git push -u origin master

```

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ADDING COMMITS- STARTING WITH NO LOCAL REPOSITORY

```

r. → git clone https://me@bitbucket.org/me/repoa.git
repos$ cd repoa
repoa$ echo "# My project's README" >> README.md
repoa$ git add README.md
repoa$ git commit -m "Initial commit"
repoa$ git push -u origin master

```

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ADDING COMMITS- EXISTING LOCAL REPOSITORY

Get started the easy way

Creating a README or a .gitignore is a quick and easy way to get something into your repository.

[Create a README](#)[Create a .gitignore](#)

Get started with command line

▼ I have an existing project

Step 1: Switch to your repository's directory

```
1 cd /path/to/your/repo
```

Step 2: Connect your existing repository to Bitbucket

```
1 git remote add origin https://me@bitbucket.org/me/repoa.git
2 git push -u origin master
```

> I'm starting from scratch

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ADDING COMMITS- EXISTING LOCAL REPOSITORY

Get started the easy way

Creating a README or a .gitignore is a quick and easy way to get something into your repository.

[Create a README](#)[Create a .gitignore](#)

Get started with command line

▼ I have an existing project

Step 1: Switch to your repository's directory

```
1 cd /path/to/your/repo
```

Step 2: Connect your existing repository to Bitbucket

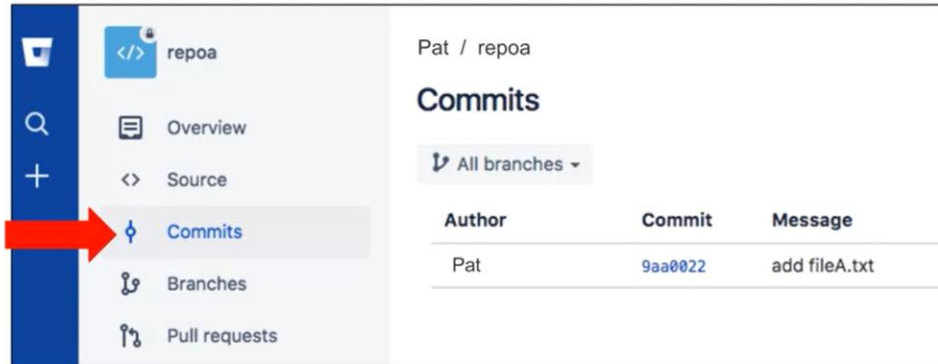
```
1 git remote add origin https://me@bitbucket.org/me/repoa.git
2 git push -u origin master
```

> I'm starting from scratch

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VIEW THE COMMIT ON BITBUCKET



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REVIEW

Press **Esc** to exit full screen

Have a local repository?	Command
no	git clone
yes	git remote add

You can then push commits to the remote repository



- 1) Clone your Bitbucket repository
- 2) Create a commit in the local repository
- 3) Push the commit to the remote repository