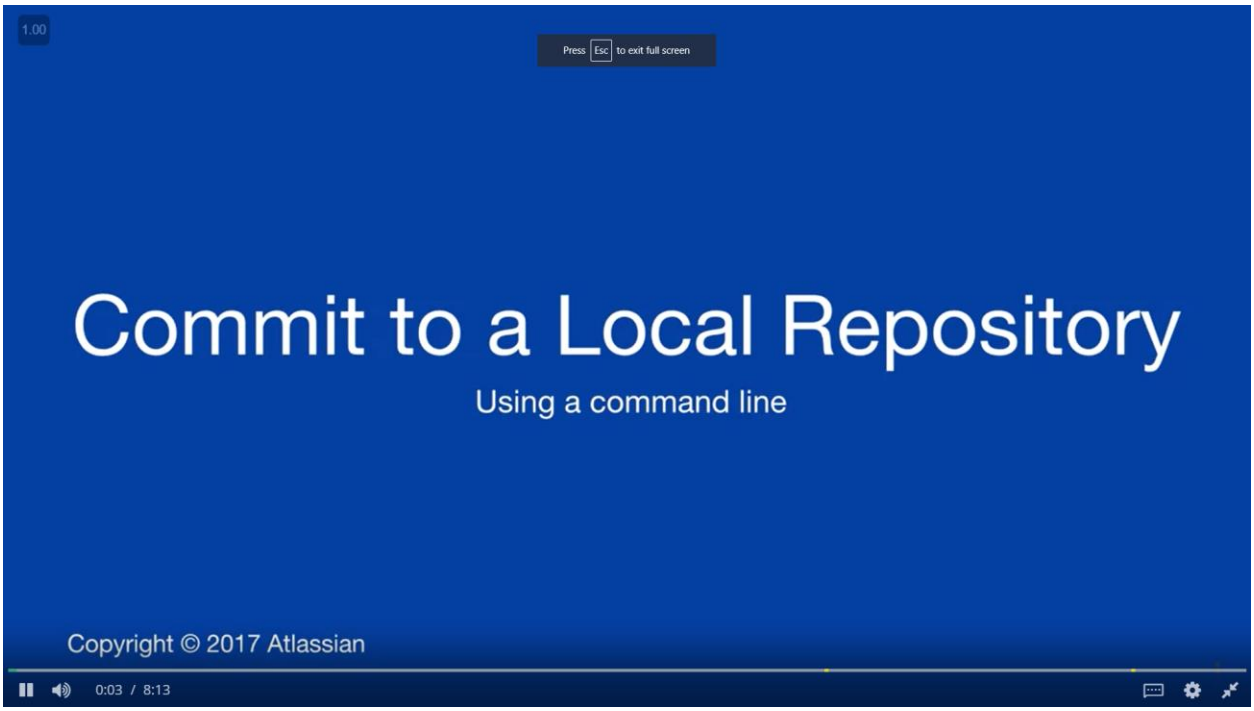
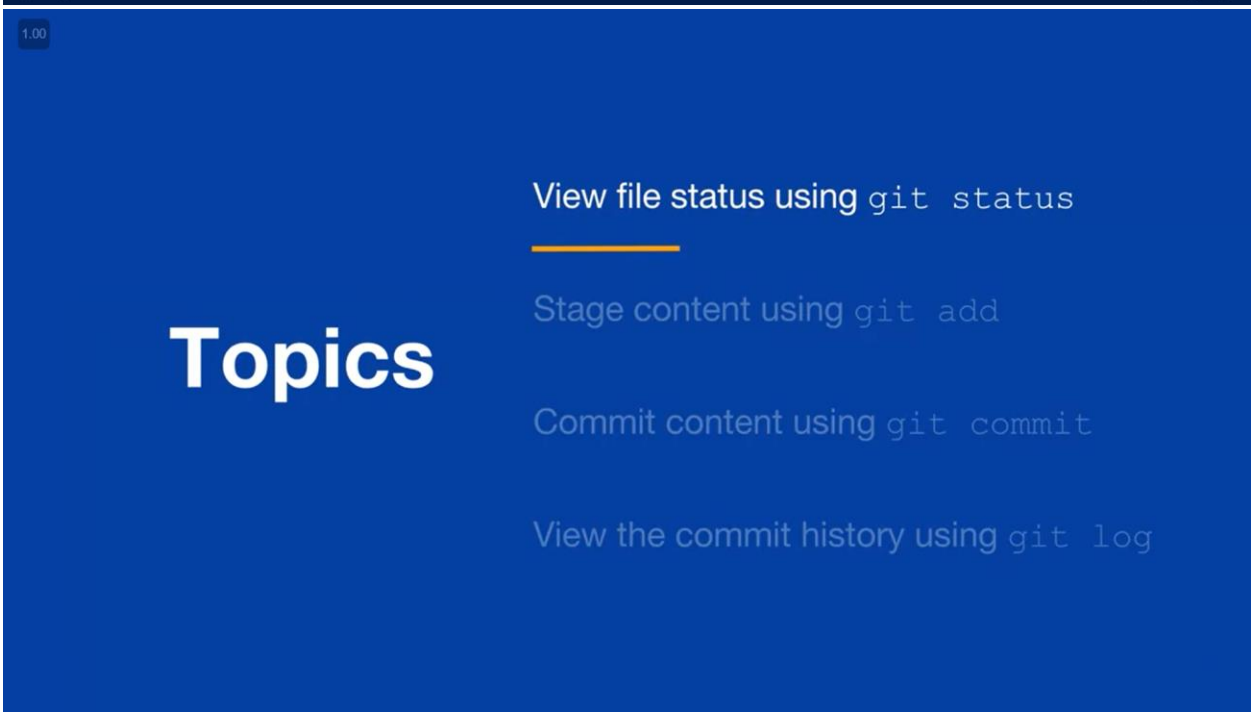
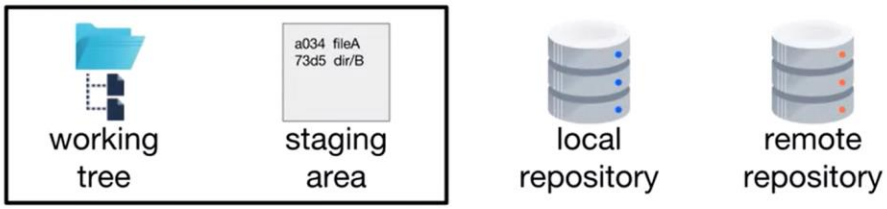

1.00
Press Esc to exit full screen
Commit to a Local Repository
Using a command line
Copyright © 2017 Atlassian
0:03 / 8:13


1.00
Topics
View file status using git status
Stage content using git add
Commit content using git commit
View the commit history using git log

1.00

## `git status`

Use `git status` to view the status of files in the working tree and staging area




```
myproj$ git status
On branch master
nothing to commit, working tree clean
```



1.00

## `git status` WITH AN UNTRACKED FILE

```
myproj$ touch fileA.txt
```

1.00

## `git status` WITH AN UNTRACKED FILE

```
myproj$ touch fileA.txt
myproj$ git status
On branch master
No commits yet
Untracked files:
  (use "git add <file>..." to include in what will be
committed)
    fileA.txt
nothing added to commit but untracked files present (use "git
add" to track)
```



1.00

## EXISTING CONTENT SHOWS AS UNTRACKED

```
myproj$ git status
On branch master
No commits yet
Untracked files:
  (use "git add <file>..." to include in what will be
committed)
    fileA.txt
nothing added to commit but untracked files present (use "git
add" to track)
```

1.00

# Topics

View file status using `git status`

Stage content using `git add`

Commit content using `git commit`

View the commit history using `git log`

1.00

## `git add`

`git add <file-or-directory>`


1.00

## git add

### git add <file-or-directory>


```
myproj$ git add fileA.txt
On branch master
No commits yet
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)

    new file:   fileA.txt
```



1.00

## git add- DIRECTORIES

### Add directories with git add <directory>

1.00

## git add- DIRECTORIES

### Add directories with git add <directory>

```
(create dirA and dirA/fileA.txt, dirA/fileB.txt)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    dirA/
nothing added to commit but untracked files present (use "git add" to
track)
```



1.00

## git add- DIRECTORIES

### Add directories with git add <directory>

```
(create dirA and dirA/fileA.txt, dirA/fileB.txt)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    dirA/
nothing added to commit but untracked files present (use "git add" to
track)
$ git add dirA
$ git status
On branch master
No commits yet
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   dirA/fileA.txt
    new file:   dirA/fileB.txt
```

1.00

## `git add .`

Add all untracked or modified files using `git add .`

```
$ touch fileA.txt
$ touch fileB.txt
$ git add .
$ git status
On branch master
No commits yet
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   fileA.txt
    new file:   fileB.txt
```

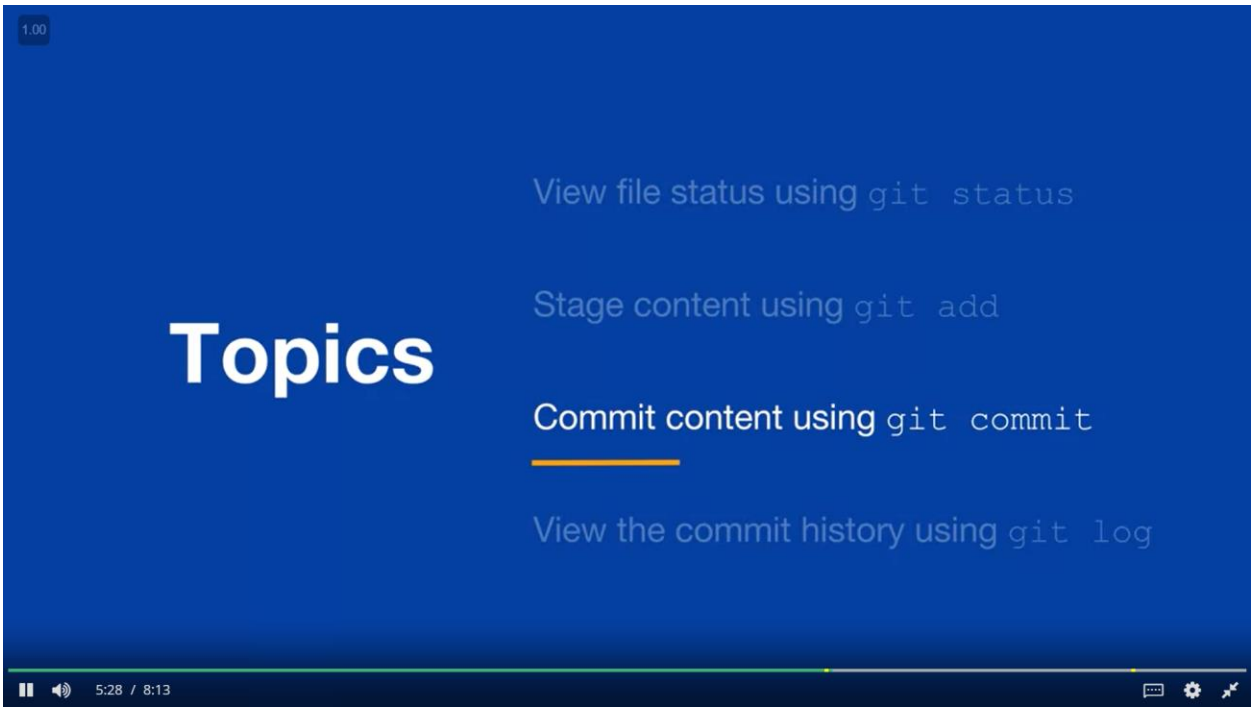


1.00

## MODIFIED FILE

Has been added to the stage and/or committed but then changed in the working tree

```
$ touch fileA.txt # create fileA.txt
$ git status -s # -s means short status
?? fileA.txt # ?? means untracked
$ git add fileA.txt
$ git status -s
A  fileA.txt # A means added (staged)
$ echo "feature 1" > fileA.txt # modify fileA.txt
$ git status -s
AM fileA.txt # AM means added and modified
$ git add fileA.txt
$ git status -s
A  fileA.txt
```




1.00

## git commit

Adds staged content to the local repository as a commit

- Previously committed files are also included
- Creates a snapshot of the entire project

1.00

## git commit

```
$ git commit -m "initial commit"
```



1.00

## git commit

```
$ git commit -m "initial commit"
[master (root-commit) 725c95a] initial commit
 1 file changed, 1 insertion(+)
 create mode 100644 fileA
$ git status
On branch master
nothing to commit, working tree clean
```

1.00

# Topics

View file status using `git status`

Stage content using `git add`

Commit content using `git commit`

View the commit history using `git log`

1.00

## LIMITING THE SIZE OF `git log`

- `--oneline` condensed version of the log

```
$ git log --oneline
1ef16ac (HEAD -> master) changed fileA.txt to version 2
e8d41c0 updated fileA.txt feature 1
14b97e6 added fileA.txt
```

1.00

## LIMITING THE SIZE OF `git log`

- `--oneline` condensed version of the log
- `-#` limit the log to the most recent # commits

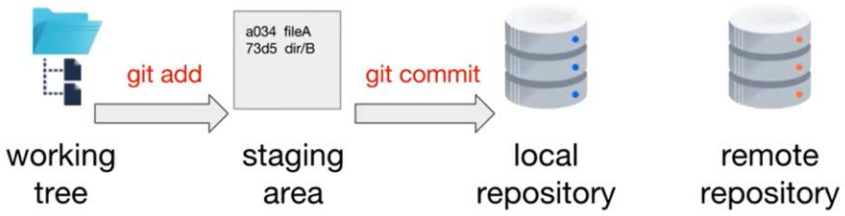
```
$ git log --oneline
1ef16ac (HEAD -> master) changed fileA.txt to version 2
e8d41c0 updated fileA.txt feature 1
14b97e6 added fileA.txt

$ git log --oneline -2
1ef16ac (HEAD -> master) changed fileA.txt to version 2
e8d41c0 updated fileA.txt feature 1
```



1.00

## REVIEW

- `git status` - view the status of files in the working tree and staging area
- `git add` - adds untracked or modified files to the staging area
- `git commit` - creates a snapshot of the current project
- `git log` - view the commit history



1.00

## HANDS ON

1. View file status using `git status`
2. Stage content using `git add`
3. Commit content using git `commit`
4. View your commit history using `git log`