



LOGICLABS TECHNOLOGIES

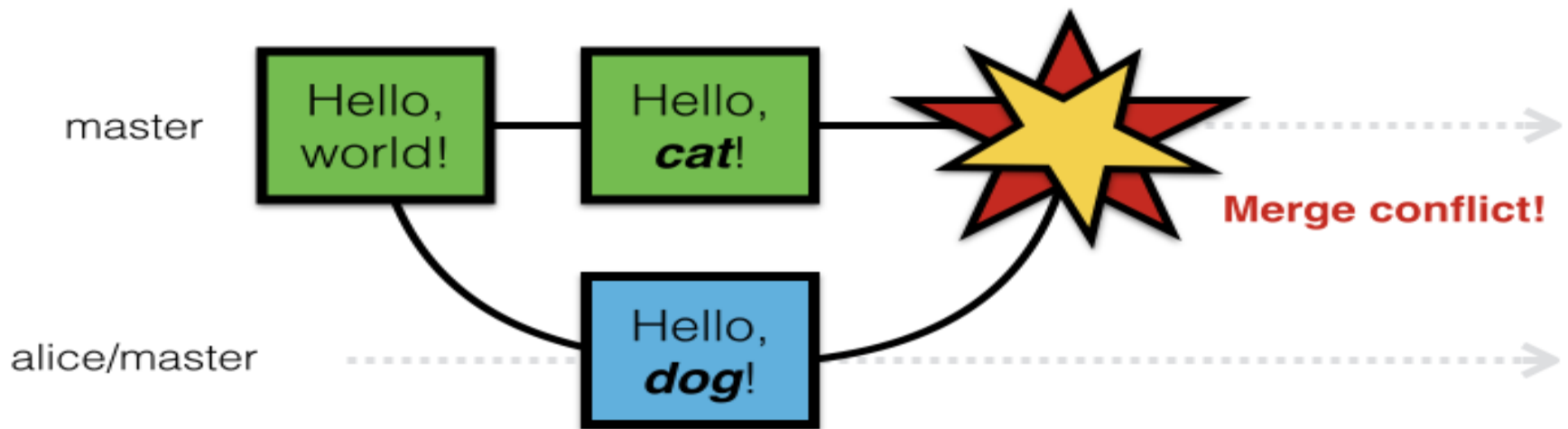
AWS Devops

Merge Conflicts

ankitnarula1991@gmail.com

Merge Conflicts

- When working in Git, users can combine commits from two different branches through an action known as merging. Files are automatically merged unless there are conflicting sets of changes (i.e. the commits update the same line of code differently).
- A merge conflict is an event that occurs when Git is unable to automatically resolve differences in code between two commits.



Merge Conflicts

- Create a folder
- **Convert the folder into working directory**

git init

- Create a file in the folder
- Add some text in the file

- **Check status**

git status

Merge Conflicts

- **Move all the file to Staged Area**

`git add .`

- **Move All files from stage area to local repository**

`git commit -m "commit1"`

- **Create new branch**

`git branch <Branch_Name>`

- **Move to another branch**

`git checkout <branch_Name>`

Merge Conflicts

- Check the files

ls

- **Read the file**

```
cat <File_Name_With_Extension>
```

- **Edit the file**

```
vi <File_Name_With_Extension>
```

- Press Enter

Merge Conflicts

- **Convert into Insert Mode**

Press i

- Enter More Text in the file

- Press ESC

- Save & exit the file

:wq!

- **Read the file**

cat <File_Name_With_Extension>

Merge Conflicts

- **Check status**

`git status`

- **Move all the file to Staged Area**

`git add .`

- **Move All files from stage area to local repository**

`git commit -m "commit2"`

- **Read the file**

`cat <File_Name_With_Extension>`

Merge Conflicts

- **Move to Master branch**

git checkout master

- **Read the file**

cat <File_Name_With_Extension>

- We are not able to see the lines which was added in the feature branch.

- **Edit the file**

vi <File_Name_With_Extension>

Merge Conflicts

- Press Enter
- **Convert into Insert Mode**

Press i

- Enter More Text in the file
 - Press ESC
 - Save & exit the file
- :wq!

Merge Conflicts

- **Read the file**

```
cat <File_Name_With_Extension>
```

- **Check status**

```
git status
```

- **Move all the file to Staged Area**

```
git add .
```

- **Move All files from stage area to local repository**

```
git commit -m "commit3"
```

Merge Conflicts

- **Merge Branch**

`git merge <Branch_Name>`

- We are getting error while merging the branch because we have used the same file in both the branch

- **Read the file**

`cat <File_Name_With_Extension>`

- **Edit the file**

`vi <File_Name_With_Extension>`

Merge Conflicts

- **Convert into Insert Mode**

Press i

- Remove the Extra lines

- Press ESC

- Save & exit the file

:wq!

- **Move all the file to Staged Area**

git add .

Merge Conflicts

- **Move All files from stage area to local repository**

`git commit -m "commit4"`

- **Check status**

`git status`



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