LOGICLABS TECHNOLOGIES

AWS Devops

Git Rebase

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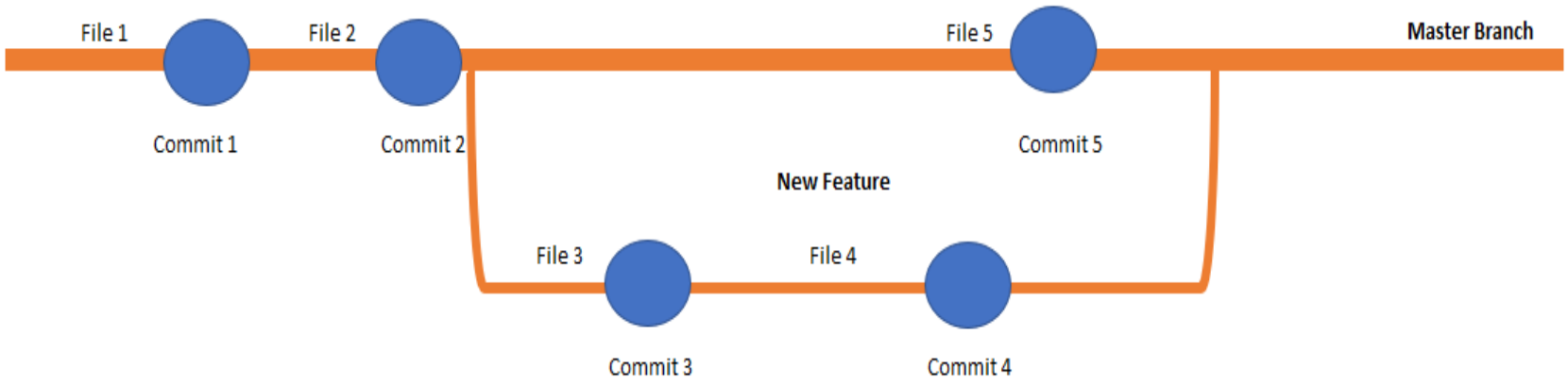
GIT Rebase

- Rebasing is the process of combining or moving a sequence of commits on top of a new base commit. Git rebase is the linear process of merging. It is also called fast forward merge.

- To Learn GIT Rebase we need to do same the setups which we have done in Branching concept.



GIT Rebase

- Create a folder

- Open Git Bash

- **Convert the folder into working directory**

git init

- **Create file**

touch file1

- **Check file status**

git status

GIT Rebase

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

git add .

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

git commit -m “commit1”

- **Check file status**

git status

- **Create file**

touch file2

GIT Rebase

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

git add .

- **Check file status**

git status

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

git commit -m “commit2”

- **Create Branch**

git branch <Branch_name>

GIT Rebase

- After creation of feature branch still we need to move in the master branch

- **Change Branch**

git checkout <Branch_Name>

- **Create file**

touch file3

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

git add .

GIT Rebase

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

git commit -m “commit3”

- **Create file**

touch file4

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

git add .

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

git commit -m “commit4”

GIT Rebase

- **Check all Commits**

git log --oneline

- We are able to see master branch & feature branch commits.

- **See all Branch**

git branch

- **Check the files**

ls

- We are able to see master branch & feature branch files because system copy the commit history.

GIT Rebase

- **Move to Master Branch**

git checkout master

- **Check the files**

ls

- **Check all Commits**

git log --oneline

- **Create file**

touch file5

GIT Rebase

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

git add .

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

git commit -m “commit5”

- **Check all Commits**

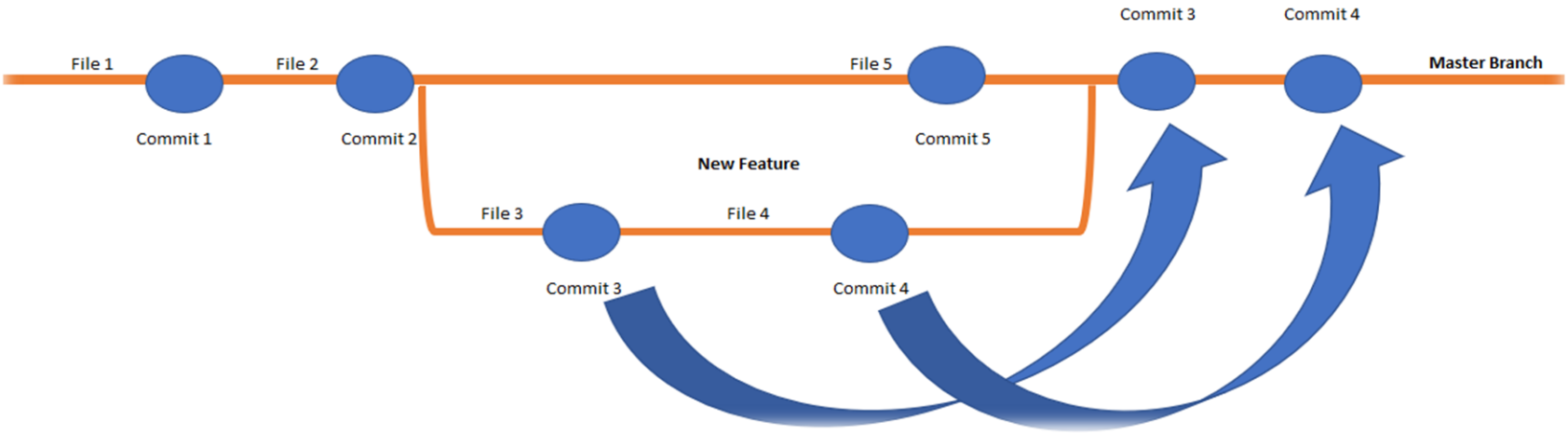
git log --oneline

- **Check the files**

ls

GIT Rebase

- To do rebase we need to be in the child branch



- **Move to Child Branch**

git checkout <Branch_name>

- **Rebase Commit**

git rebase master

GIT Rebase

- **Move to Master Branch**

git checkout master

- **Merge Branch**

git merge <Branch_Name>

- **Check all Commits**

git log --oneline

- **Difference Between Merge & Rebase**

Merging is a safe option that preserves the entire history of your repository, while rebasing creates a linear history by moving your feature branch onto the tip of main.

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