Basic Commands of Everyday Git

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What You Last Learned

Installed Git

Set global and local configurations with the `git config` command

Help Guides

Full Manual with `man git` or quick reference using `git help`

GitHub

Create a new profile account and repository to host Steve's Git project

Basic Commands

High-level porcelain commands such as `git add` and `git push`

What You Will Learn

git commit –a -m

git add .
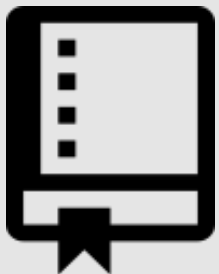
git status --short

Basic Commands

git add A

git diff --staged

git status

git diff

git status -s

Origin Repository

Master Branch

9a3db ← **2fad5**

Local Repository
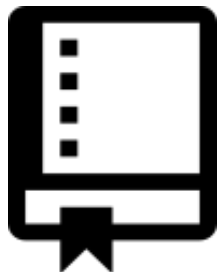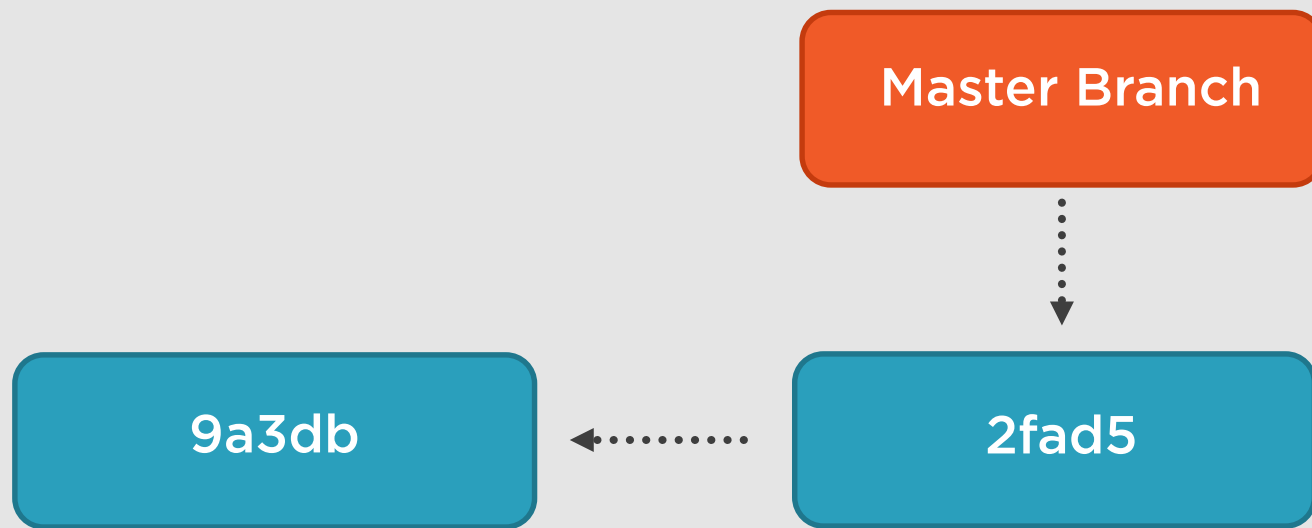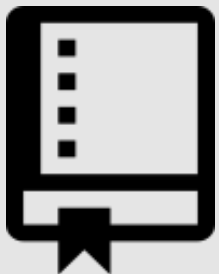
Master Branch

9a3db ← **2fad5**

Origin Repository

Master Branch

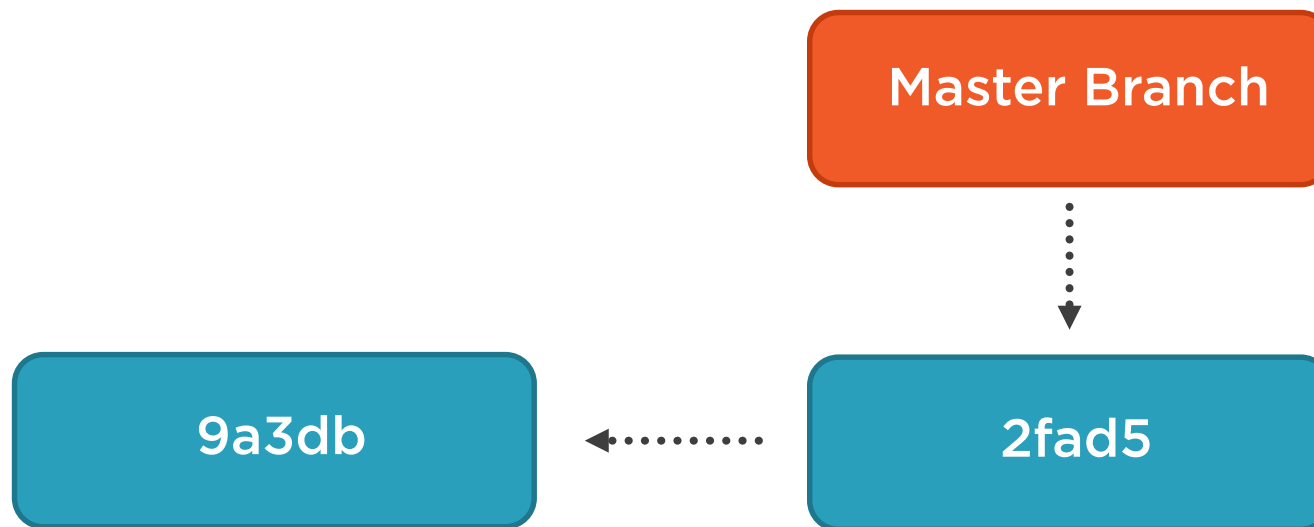9a3db ← 2fad5

Local Repository

Master Branch

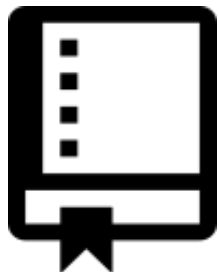9a3db ← 2fad5

Files Tracked By Git

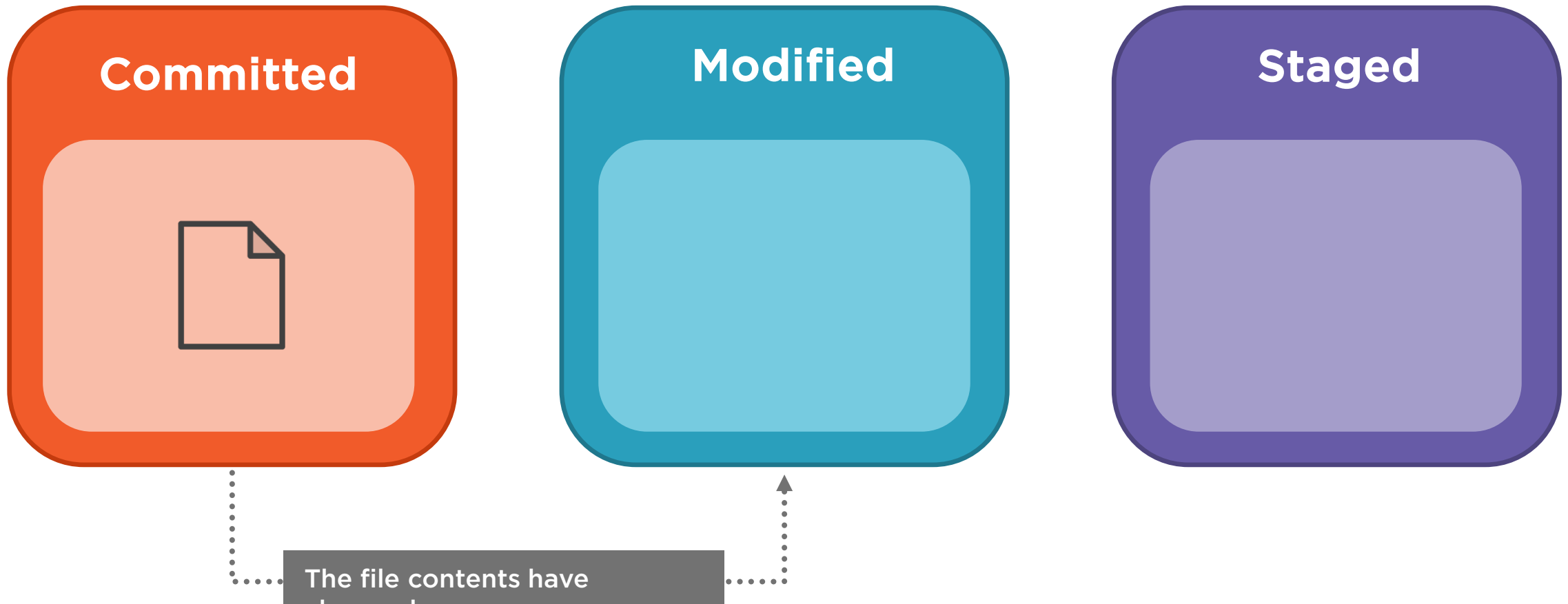Committed | **Unmodified changes from the last commit snapshot**

Modified | **Changes made to files since last commit snapshot**

Staged | **Changes marked to be added into the next commit snapshot**

The Stages of a Tracked File

Committed

Modified

Staged

The file contents have changed

The Stages of a Tracked File

Committed

Modified

Staged

Changes are Marked for Commit

The Stages of a Tracked File

Committed

Modified

Staged

Marked changes have been added to the commit snapshot
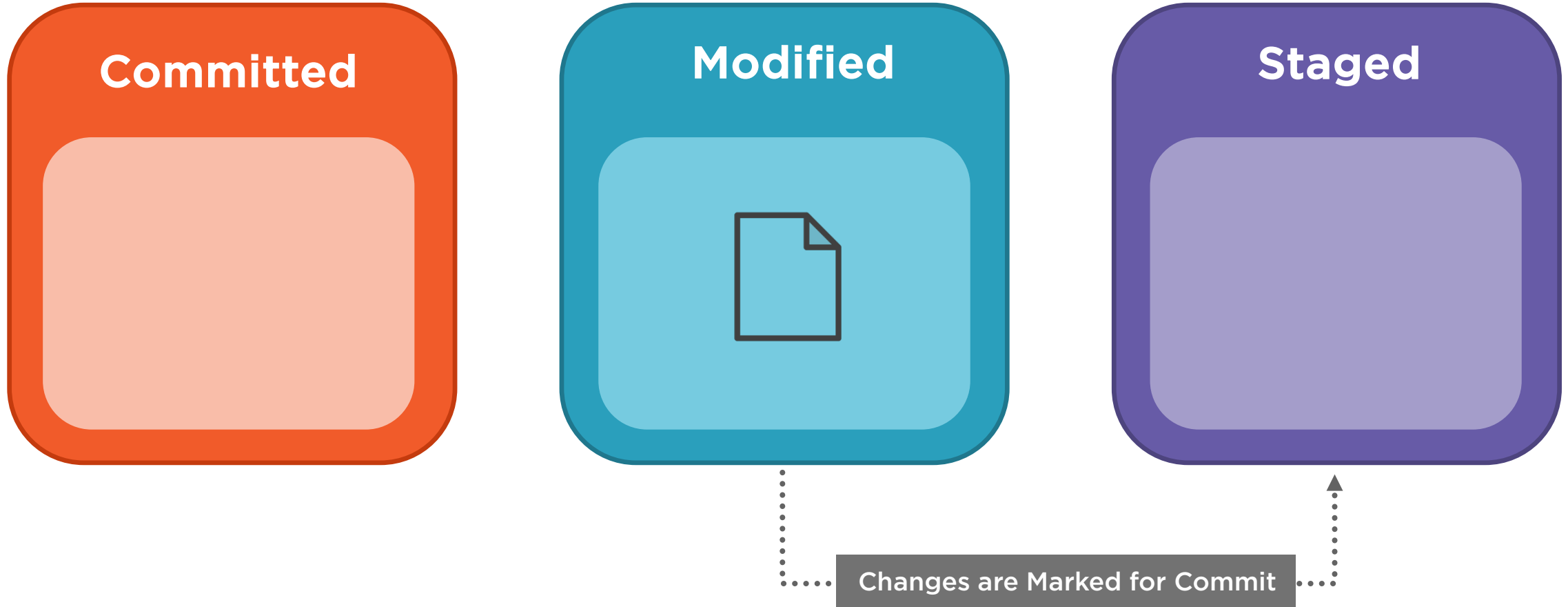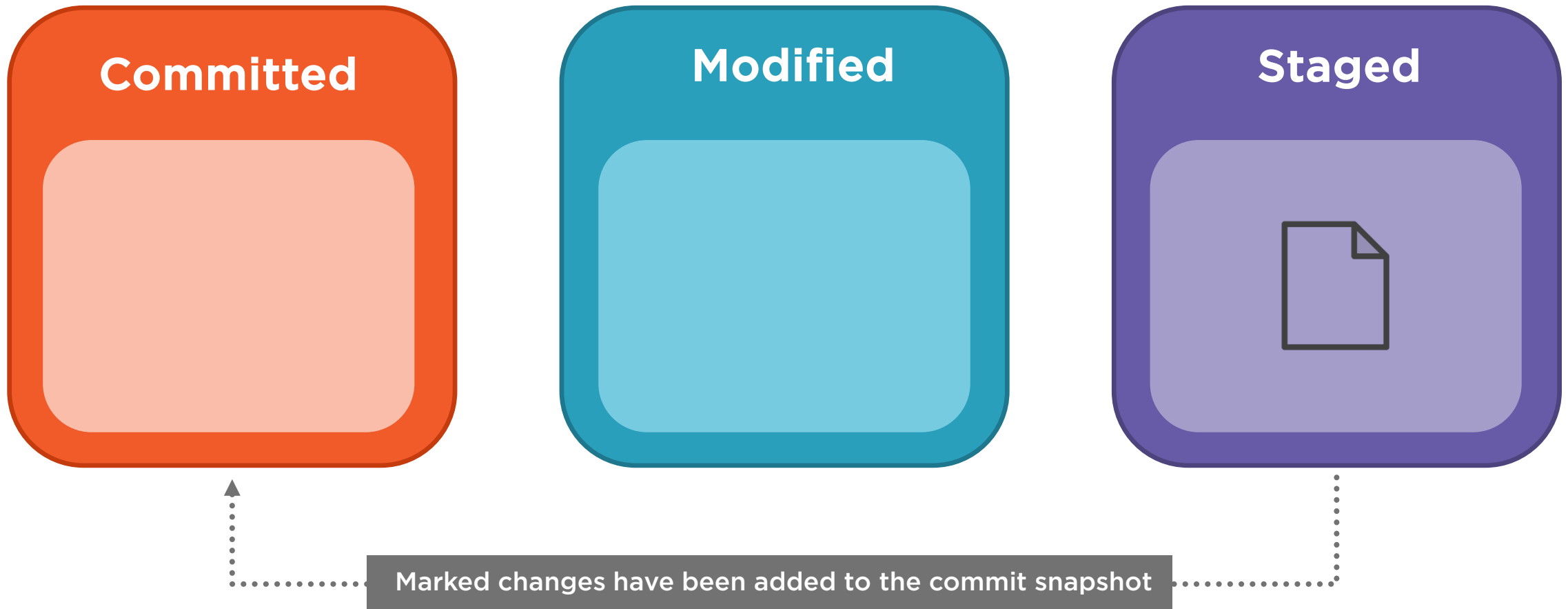
Short Status

git status -s

git status --short

Short Status

Staged	Modified	File Name
M M A ?	 M ?	File 1 File 2 File 3 File 4

M = Modified

A = New file added to staging area

?? = New file untracked by Git

Git diff

1 | **What changes have I staged that are ready to be committed?**

2 | **What changes have I made but not yet staged?**

Git diff

1 | **What changes have I staged that are ready to be committed?**

Git diff --Staged

```
git diff --staged

diff --git a/file1.txt
b/file1.txt

Index 9863745..f30c839
100644

--- a/file 1.txt

+++ b/file1.txt

@@ -12, 2 +12, 3 @@

Example lines…

- Old content

+ New content
```

◄ Compared Files

◄ File Metadata

◄ Change Markers for File A/B

◄ Chunk Header

◄ Chunk Changes

Summary

Check the status of our project

Track new files and add changes

Learned git status –s or git status --short

Complete diff information using git diff

Commit changes and skip staging area