



WorkshopPLUS: Azure DevOps Essentials – Git

Using Git

Microsoft Services



Module Overview

- TFVC Command Mapping
- Basic Operations

Command Mapping

Get Latest

Check In

Pending Changes

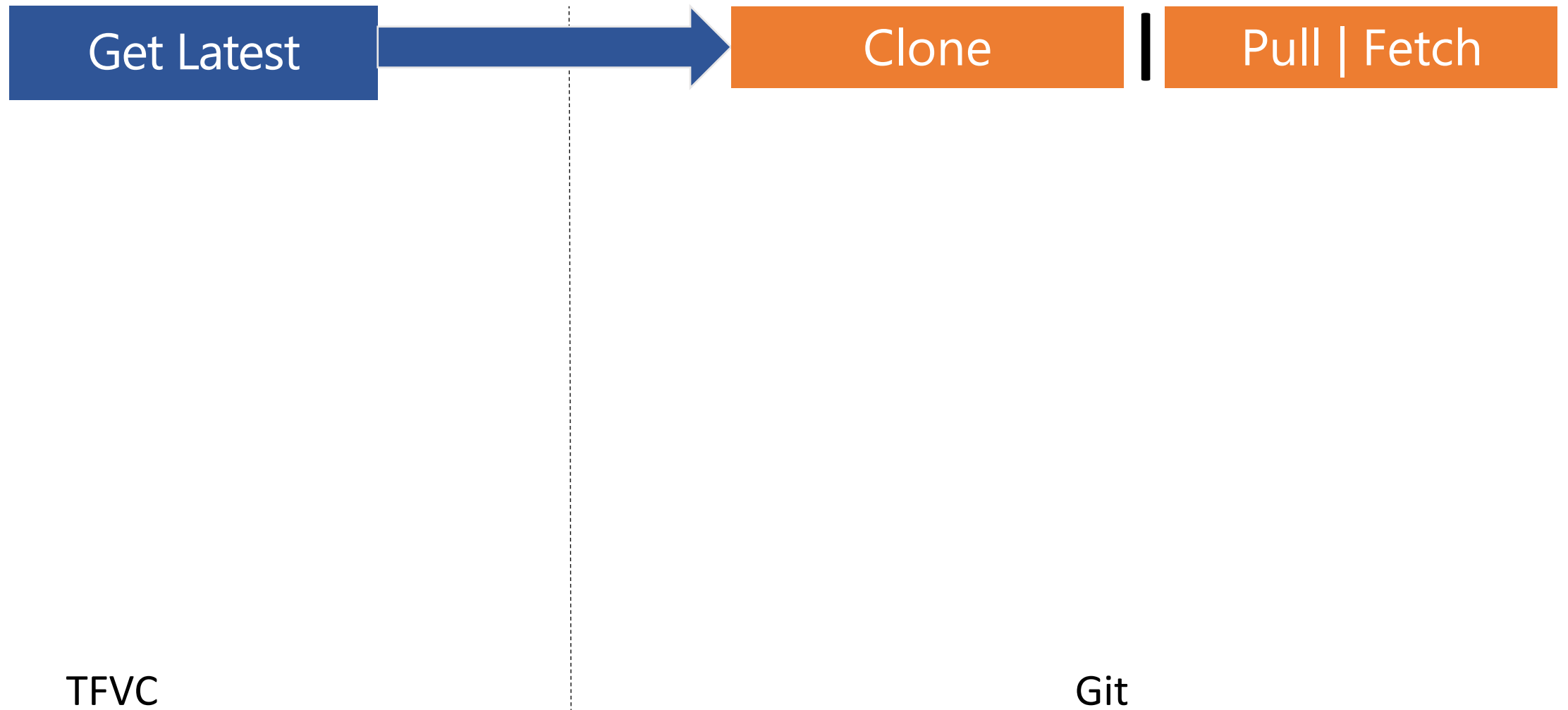
Shelve

Rollback

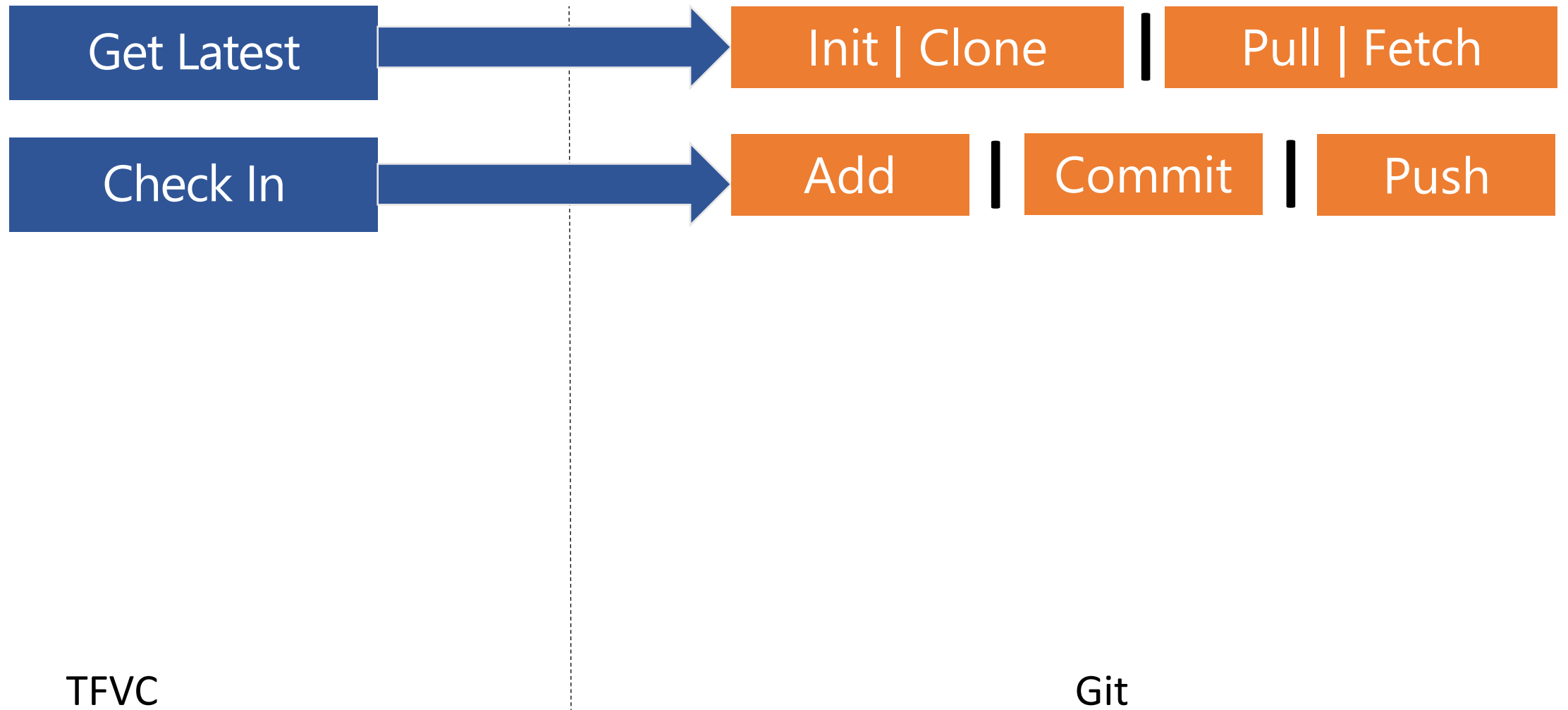
TFVC

Git

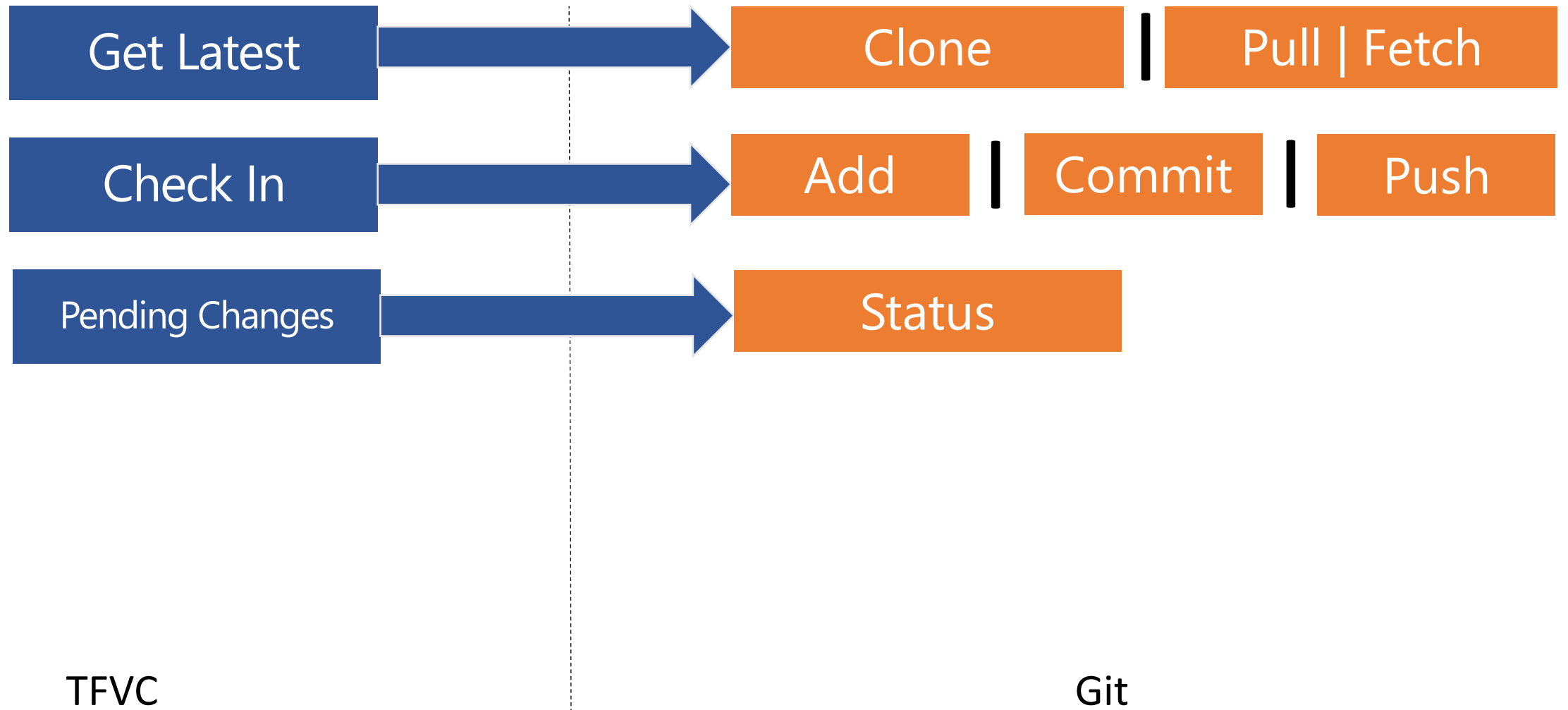
Command Mapping



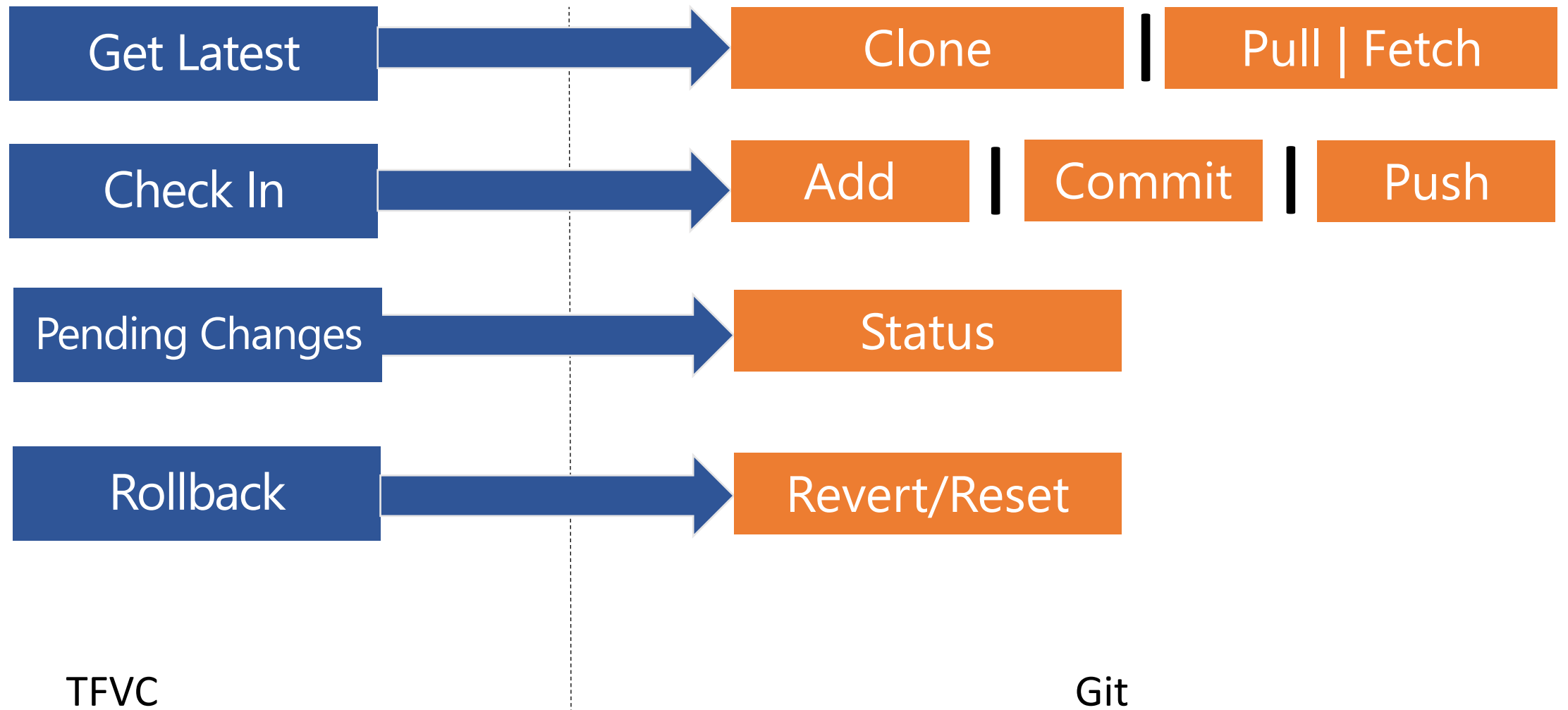
Command Mapping



Command Mapping



Command Mapping



Fetch – Common Options

```
git fetch
```

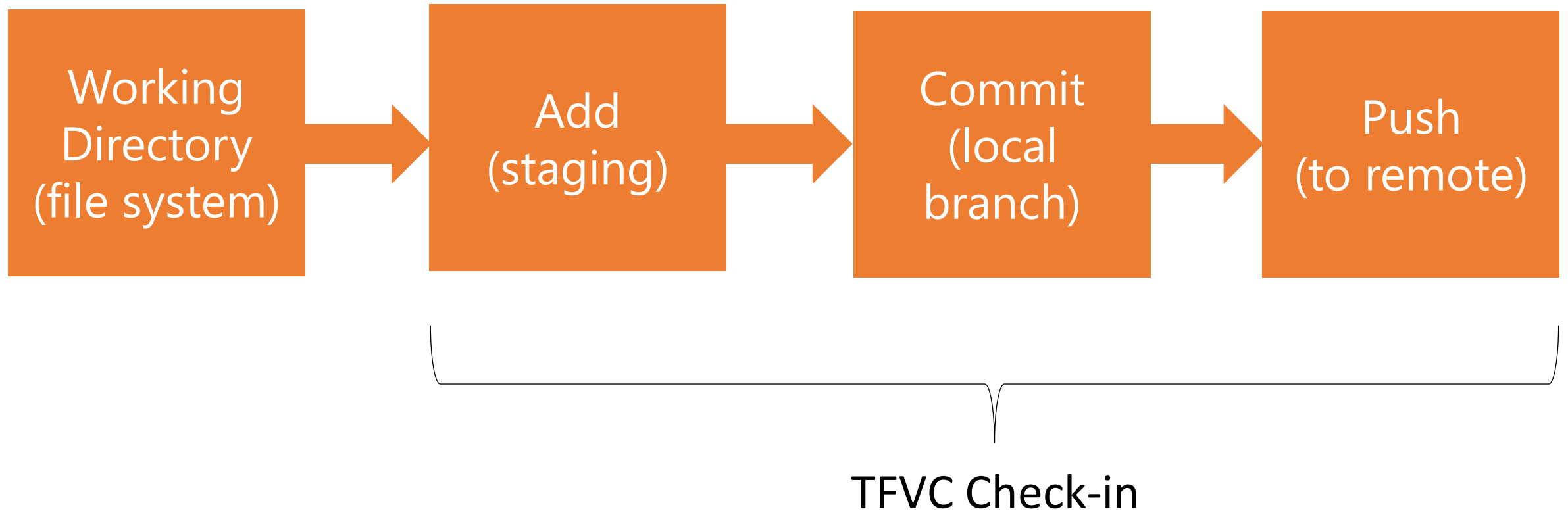
Download objects and refs from remote repository.

Pull – Common Options

```
git pull
```

Fetch from and apply changes from remote repository or a local branch

Git Lifecycle



Commit – Common Options

```
git commit
```

Will launch text editor, enter commit message, saved, close editor and commit will complete

```
git commit -m "message"
```

Immediately creates commit with the message

```
git commit -a
```

Commit all changes in the working directory
** Does not commit new files **

```
git commit -am "message"
```

Immediately creates a commit of changes in working directory with the commit message

```
git commit --amend
```

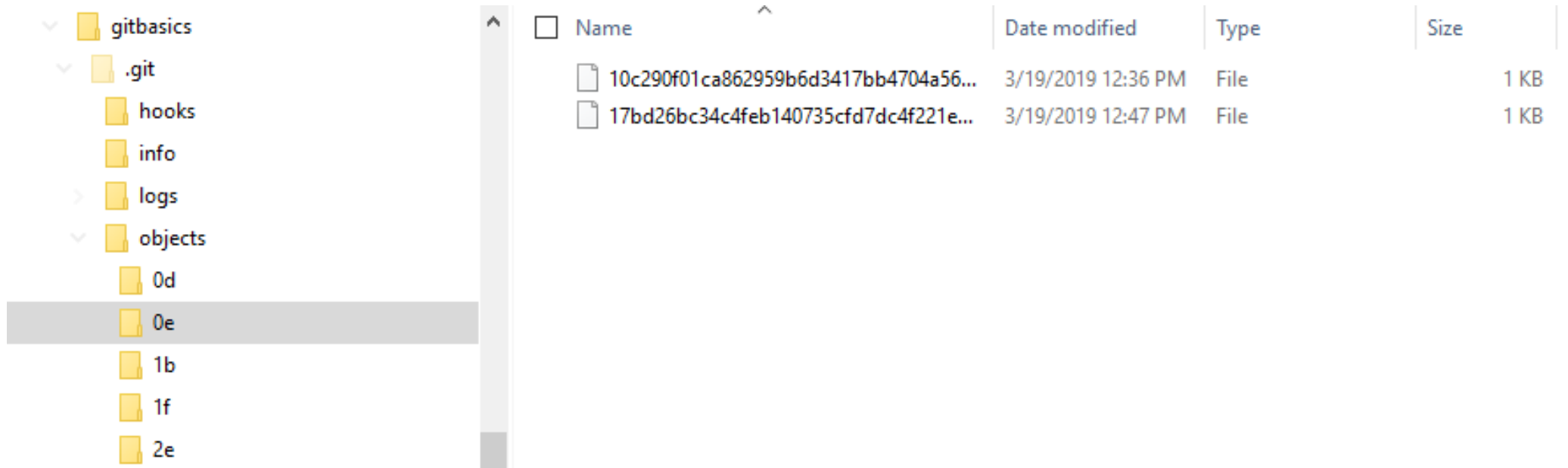
Staged changes will be added to previous commit instead of creating new commit

Commit - Example

```
C:\gitbasics>git commit -m"save commit"  
[master aff6cfb] save commit  
1 file changed, 1 insertion(+)  
  
C:\gitbasics>
```

Commit

- Takes the currently staged snapshot and creates objects that are moved into the local repository



Push – Common Options

```
git push
```

Update remote refs along with associated objects

```
git push -u origin  
<branch-name>
```

Set upstream to remote

Reset or Revert – When?

Use Revert when you want to:

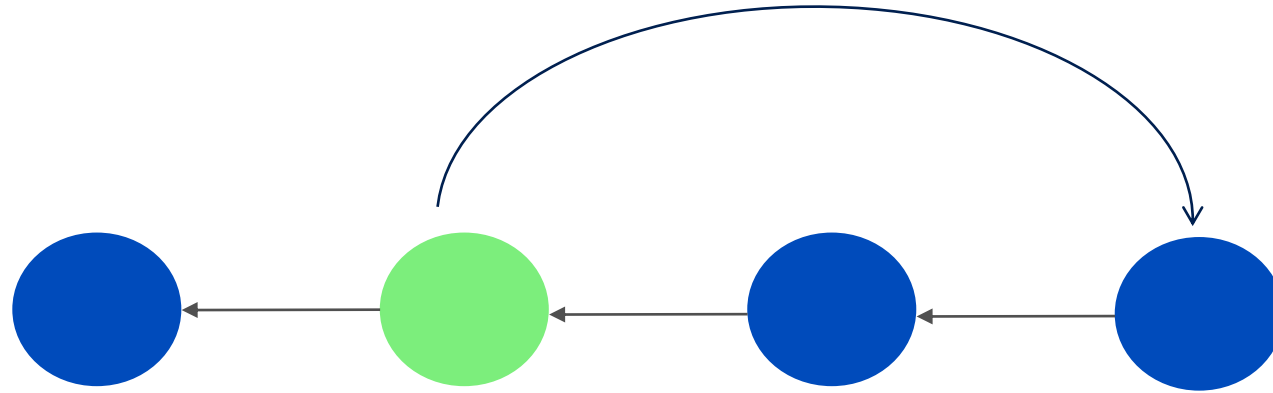
- 1) Target an individual commit
- 2) You want to preserve history

Use Reset when you want to:

- 1) Remove the commits from history
- 2) Remove multiple commits at a time

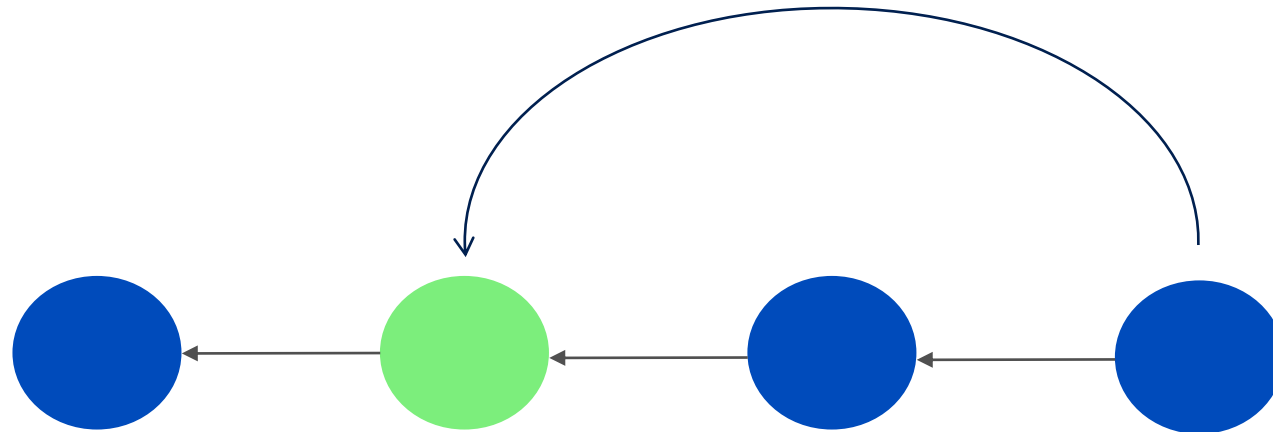
Revert

- Undoes a single commit



Reset

- “Resets” project back to a previous state by removing all subsequent commits



Local

Remote

