**GitHub Actions**

### 🚀 What is ****GitHub Actions****?

**GitHub Actions** is a **CI/CD (Continuous Integration and Continuous Deployment)** tool provided by GitHub that lets you **automate** tasks in your software development workflow — **directly in your GitHub repository**.

Create an account on GitHub:- <https://github.com/>

Create new repository :- Terraform-code

Organization requirement is to create a storage account code on GitHub (remote repository) then what will be the steps:-

1. We will access the ticket.
2. Clone the repo from remote to local (Git clone <https://github.com/getsumantra/Terraform-code.git>)
3. Create a feature branch
4. Write the storage account code in feature branch.
5. Git status
6. Git add **.**
7. Git commit -m “storage account code”
8. Git push
9. Raise pull request – feature branch to main and put reviewer

### ⚔️ What is a ****Git Conflict****?

A **Git conflict** happens when **two or more people** (or branches) have made **changes to the same part of the same file**, and Git doesn't know **which change to keep** during a **merge or rebase**.

Steps for pushing a storage account code from local to remote repository.

* Create a remote repository and copy its hyperlink
* Open vs code and clone it using (git clone https://github.com/getsumantra/Terraform-code.git)
* Create a feature branch using (git branch feature/storage)
* To check which branch is selected (git branch)
* To switch or directly create feature branch (git checkout -b feateure/storage)
* Create a storage account code inside VScode
* Add. gitignore file and add all file which you won’t push like (.terraform, lock.hcl, .exe file)
* Git status
* Git add main.tf (to add one file in staging area)
* Git add **.** (to copy complete file in staging area)
* Git commit -m “add\_storage\_account”
* Git push (but due to applied policies on main branch code could note be pushed on the main)
* git push --set-upstream origin feature/storage
* Now code has been pushed to repository on feature branch select this and raise a PR
* Raise PR (pull request) and add reviewer
* After the approval of reviewer code will be merged from the feature branch to main branch.