

Automating AWS infrastructure using Terraform and GitHub Actions



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Topics for Discussion

GitOps

Infrastructure as Code (IaC)

Terraform Cloud

GitHub Actions

Demo



What is GitOps?

GitOps is the operational framework that allows us to take the best practices used for application development to infrastructure automation. In practice, GitOps is achieved by combining **Infrastructure as Code(IaC), Git Repositories, PR/MR, and CI/CD Pipelines.**



What is Infrastructure as Code (IaC) ?

Infrastructure as Code (IaC) is the managing and provisioning of infrastructure through code instead of through manual processes.



What is Terraform ?

Terraform is a tool for building, changing, and versioning infrastructure safely and efficiently. Terraform can manage existing and popular service providers as well as custom in-house solutions.



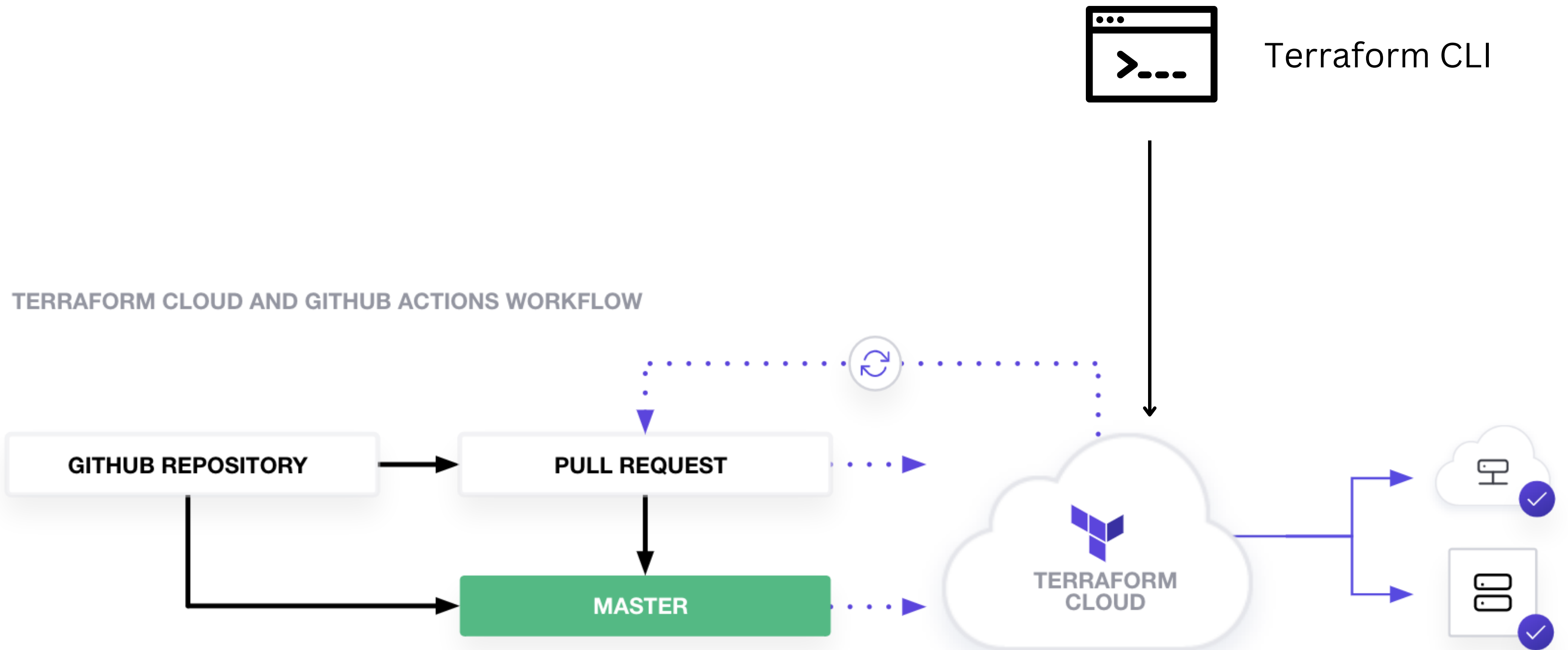
Terraform Cloud

Terraform Cloud is a cloud-based platform that makes it easier for team members to work with Terraform.



What are GitHub Actions ?

GitHub Actions is a continuous integration and continuous delivery (CI/CD) platform that allows you to automate your build, test, and deployment pipeline.





Let's Connect!

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