# Deploying application on AWS

#### Goals of this project

- Eliminate downtime while deploying a new version of an application
- Storage of containers on DockerHub
- Deploying an application on AWS

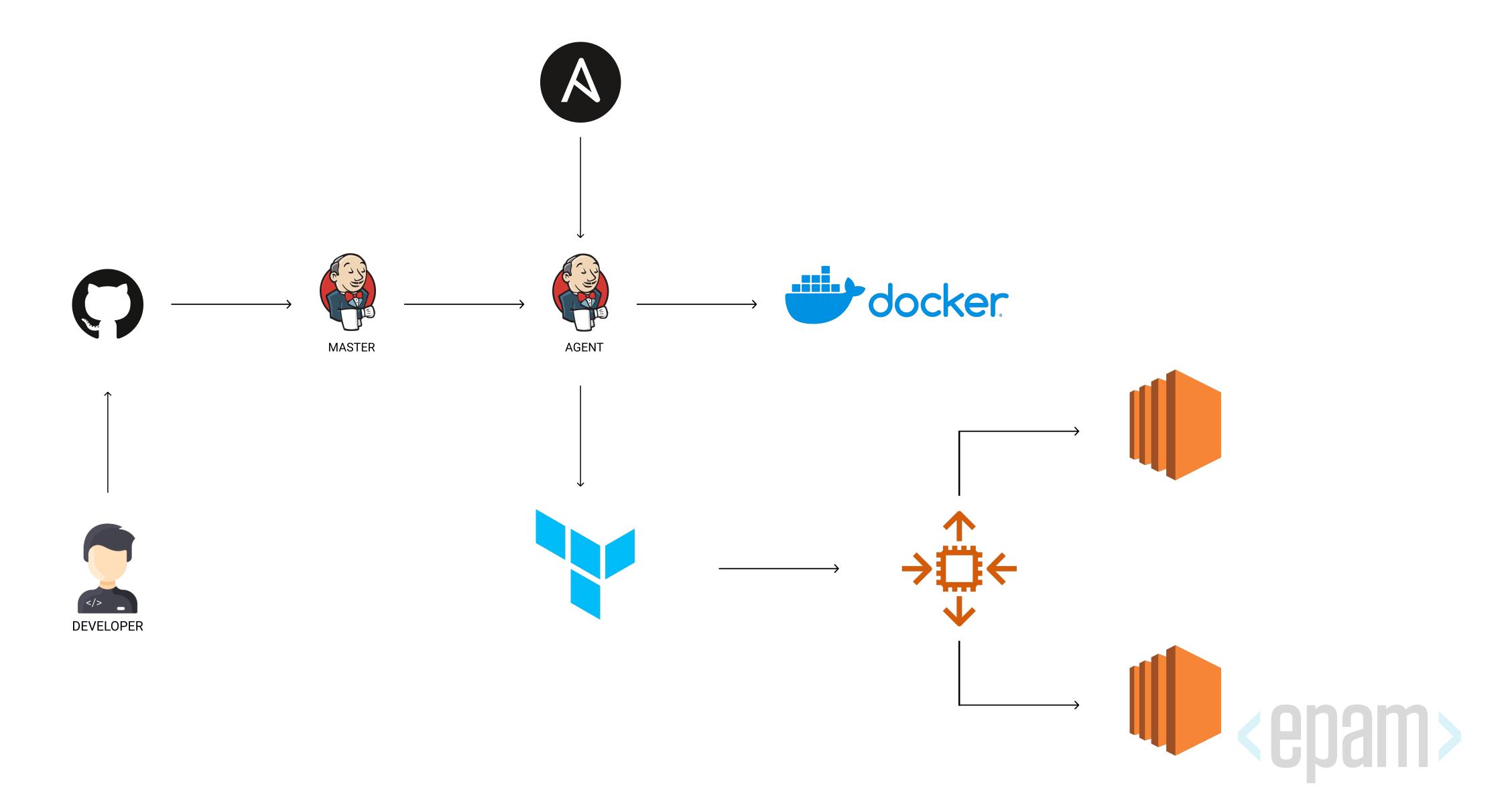


### Tasks of this project

- Keep containers on DockerHub
- Realize green/blue deployment
- Implement CI/CD

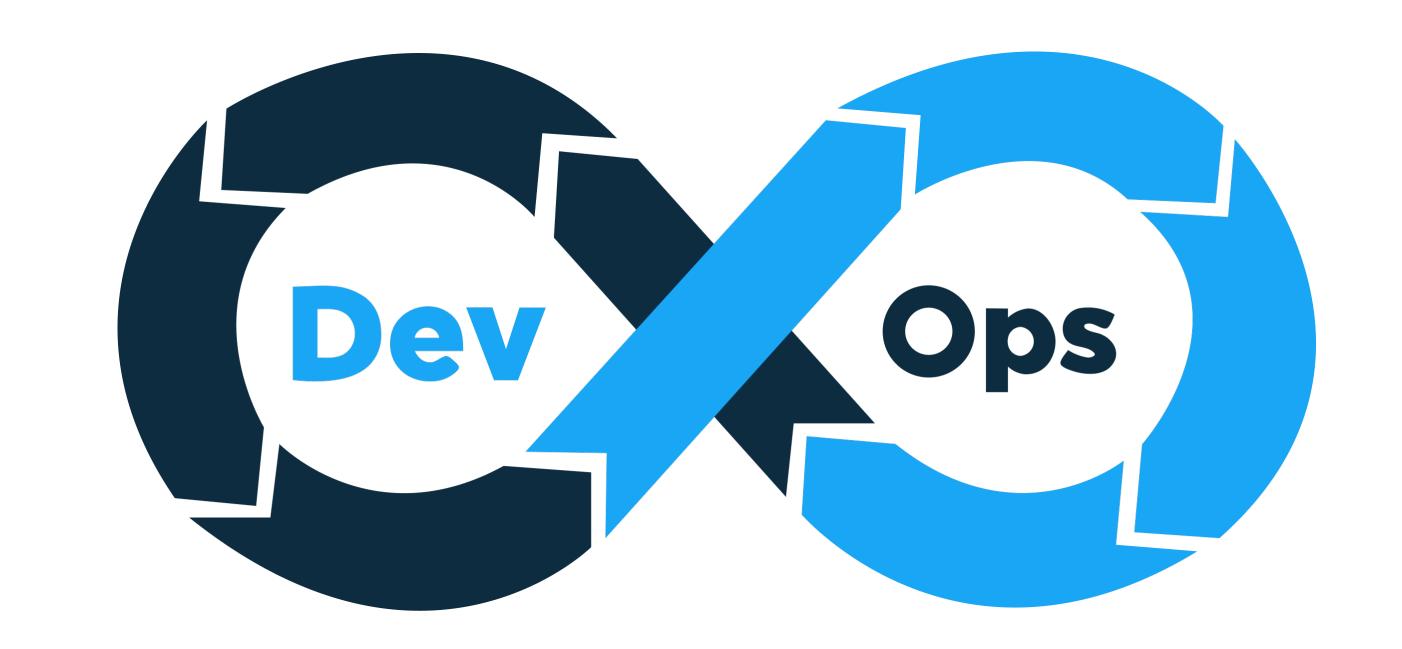


# Project Scheme



#### Tools

- Ansible
- Docker
- Terraform
- Jenkins
- AWS
- GitHub





### Languages

PYTHON 47.3%

GROOVY 17.9%

HCL 17.2%

HTML

SHELL

DOCKERFILE 1.5%

12.1%

4.0%



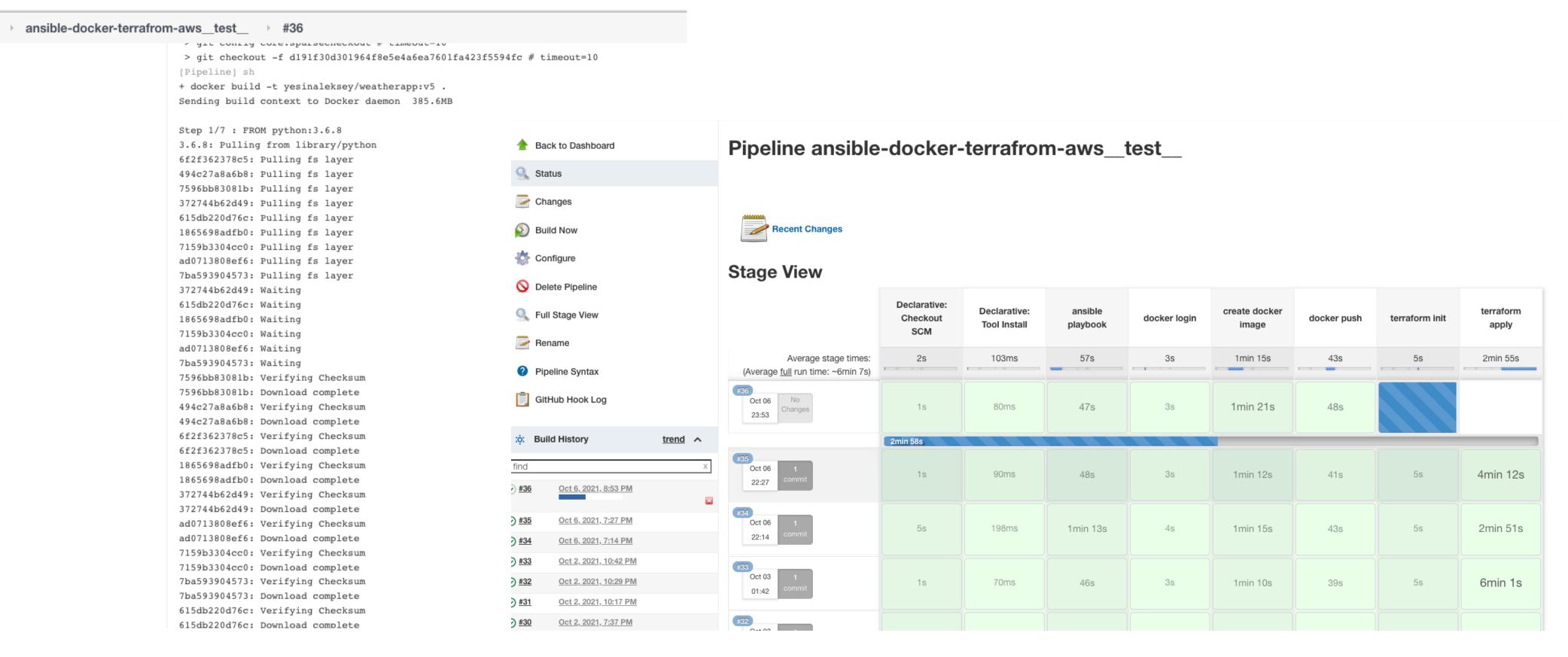
#### Purpose

Achieve high-quality deployment to production and smooth operation of our website





#### Implementation





# Implementation

	№ Не защищено рrodserver-elb-1183208419.us-west-2.elb.amazonaws.com:8000		Главная Информация Документация	
	Погода в вашем городе	Информация	Погода в вашем городе	Информация
	Город Введите город	Город: London Температура: 11.26°	Город Введите город	Город: London Температура: 11.15°
	Search	Город: New York Температура: 20.64°	Search	Город: New York Температура: 20.37°
		Город: Las Vegas Температура: 27.41°		<b>Город:</b> Las Vegas <b>Температура:</b> 27.81°
Before		Город: Dnipro Температура: 4.01°	After	<b>Город:</b> Dnipro <b>Температура:</b> 4.01°



#### Conclusions

Green/Blue Deployment implementation was successful

There are different approaches for achieving my goals:

- Automatical introduction of agent-server raising, using EC2plugin in Jenkins
- Instead of default database use PostgreSQL(for example)

