**Deployment**

**Server machine that server machine provide us Environment to deploy the application.**

**Cloud Providers are there**

**Azure**

**AWS**

**Google**

**Private cloud**

**SaaS**

**PaaS**

**IaaS**

**AWS -🡪 EC2 (Elastic Compute Cloud) Instance which provide us Virtual machine.**

**It provide us public as well as private IP Address for that machine.**

**Install git**

**Push your code in GitHub account and in EC2 instance pull that code.**

**We need to install Node JS software, Python or Java**

**Agile :**

**8 to 10 people in 1 team**

1. **Cross language**
2. **Architect**
3. **Management team**
4. **2 tester**
5. **2 web designer**
6. **1 database**
7. **2 developer**

**1st Options**

1. We need to push this project in GitHub account.
2. Then in EC2 instance we need to pull that repository.
3. We need to install all required software like Node js, React and mongo DB.
4. Then we need to run this application on EC2 instance

2nd Options

1. We need to push this project in GitHub account.
2. Create the image for react js application, express js application and mongo db application.
3. These all images you need to push to docker hub or any docker image and
4. In EC2 instance install only docker. And pull and image and run those images.

**3rd Options**

1. Docker-compose file . it is type of yml file which contain all images details and dependencies between more than one images.

4th Options

1. CI and CD : Continuous Integration and Continuous Delivery or Deployment.

Dev1 push

Dev2 push Shared Repository

Dev3 push