**Devops**

* Devops is a process of improving the application delivery by ensuring that there is a proper automation in place, proper quality is maintained, continuous monitoring and continuous testing is in place.
* **When devops was not there**:

Developer develops the code -> push it to central location -> **System admin** used to take to code and deploy an application to a server -> tester will test the application on the server -> **Build and release engineer** will deploy it to customer (production).

As there are lot of manual efforts and so many people involved, the delivery process was taking a lot of time. Also, there were chances of code not working on customer environments but working well in developer environments, build may fail while testing/deploying. In such cases there is no chance to ensure code failed at what point.

To solve this issue and improve efficiency in product delivery devops came in picture.

* **Virtual Machines**:
* **Create Vm - AWS EC2**
* Shell scripting –

Shell commands

Wget vs curl

If else and loops in shell

* CI/CD using github actions - https://github.com/iam-veeramalla/GitHub-Actions-Zero-to-Hero