What is DevOps?

DevOps is a culture or methodology that an organisation follows in delivery of a product that improves software development life cycle.

For example, if an application takes 10 days to deliver from older version to newer version. To improve the process to reduce the time to deliver the product is a methodology of DevOps.

People always look at DevOps as CI/CD i.e. continuous integration and continuous delivery. DevOps is about improving delivery along with improving automation, improving quality, built in monitoring and testing.

Therefore, DevOps is a process of improving the application delivery by ensuring proper automation, quality, continuous monitoring and continuous testing.

Why DevOps?

Before 10 years, when the process was not introduced,

**Step 1**: Once the developer writes the code, code was stored in central location.

**Step 2:** System administrator creates and code is deployed on server and tester would test the application.

**Step 3:** After testing, build and release engineer promotes the code or application to production stage.

There are 3 different roles involved in delivery of the product and it takes almost 10 days to deliver the product. Also, the process is manual and different teams are collaborating.

To improve this process, DevOps is evolved.