

1. DevOps enable faster development of applications & easier maintenance of existing deployments.

It maximizes efficiency with automation, optimizes the entire business.

It accommodates faster software release, much optimized processes, enhanced trust & ability to resolve critical issues quickly & better service to customers.

It is a continuous process & allows continuous development, Testing, integration & deployment, as it is important for an organization to keep their product running whilst making changes/updating. DevOps plays an important role.

2.

DevOps tooling ecosystem.

Planning, coding, building, testing, deployment, operation, management & CD.

(2) Planning & coding tools for devops -

a) Git - fully distributed & keeps track of different software versions.

b) Jira - s/w projects & s/w product deployment

c) Subversion - Apache, license

Build Tools

a) Maven - Config Build

b) Gradle

Testing Tools

C TDD

→ JUnit, unit testing

→ Selenium - Testing language.