## **What is DevOps?**

DevOps is a software engineering practice that focuses on bringing together the development team and the operations team for the purpose of automating the project at every stage.

This way of practice is related to agile methodology and it mainly focuses on team communication, resource management, and teamwork. The main benefits of following this structure are the speed of development and resolving the issues at the production environment level, the stability of applications, and the innovation involved behind it.

## **DevOps Tools**

DevOps is a methodology aimed at increased productivity and quality of product development. The main tools used in this methodology are:

* Version Control System tools. Eg.: git.
* Continuous Integration tools. Eg.: Jenkins
* Continuous Testing tools. Eg.: Selenium
* Configuration Management and Deployment tools. Eg.:Puppet, Chef, Ansible
* Continuous Monitoring tool. Eg.: Nagios
* Containerization tools. Eg.: Docker

### **What is the use of SSH?**

SSH stands for Secure Shell and is an administrative protocol that lets users have access and control the remote servers over the Internet to work using the command line.

SSH also has a mechanism for remote user authentication, input communication between the client and the host, and sending the output back to the client.