**What is DevOps?**

The term of devops generates from combination of two word development and operations. Devops is a practice that allows a single team to managethe entire lifecycle of application development, ie. Development, testing, deployment, and monitoring.

The main goal of devops is to decrease the amount if time required in delivery of an application.

Devops is a software development approach with the help of which you can develop superior quality of software quickly and with more reliability. It consists of various stages such as continuous development, continuous integration, continuous testing, continuous deployment and continuous monitoring.

<https://medium.com/edureka/what-is-devops-712737435fc5>

**What is automation, scaling, infrastructure**

Automation, scaling and infrastructure are critical component of devops tha enable teams to deliver software faster, with better quality and at scale. Automation involves automating the entire software delivery process, from entire code creation to testing, deployment, and monitoring. Scalling involves designing and implementing systems that can handle increase load and traffic. Infrastructure involes designing and managing the hardware and software required to run applications and services. By leveraging automation, scalling and infrastructure, teams can deliver software that meets user requirements, at scale and with high quality.

<https://puneetraghwani.hashnode.dev/what-is-devopsits-benefits-and-automation-scaling-infrastructure-in-devops>

**Why is DevOps important**

DevOps is important because it’s a software development and operation approach that enables faster development of new products and easier maintenance of existing deployments.