DevOps – this term appeared in 2008 at the Agile conference in Toronto

DevOps - a set of practices and approaches to software development, aimed at the active interaction of developers, QA engineers and operation professionals.

Goals of DevOps:

* Reducing the time for entry to the market
* Reducing the frequency of failures of new releases
* Reducing the execution time of patches
* Reducing the time for restore applications

The main characteristic of DevOps movement is to strongly advocate automation and monitoring at all steps of software construction (from development to deployment on customer side).

Main responsibilities of DevOps engineers is :

* Configuration management – creating infrastructure for deploying applications
* CI/CD – building application from code which developers created and deploying it on servers
* Working with clouds technologies (AWS, Google, Azure)
* Using special tools and writing scripts for automation of all of these processes.