

What is DevOps

- DevOps is a software development practice or a software development lifecycle (SDLC)
- Its central tenet is cultural change, where developers and non-developers all breathe in an environment where formerly manual things are automated; everyone does what they are best at; the number of deployments per period increases; throughput increases; and flexibility improves

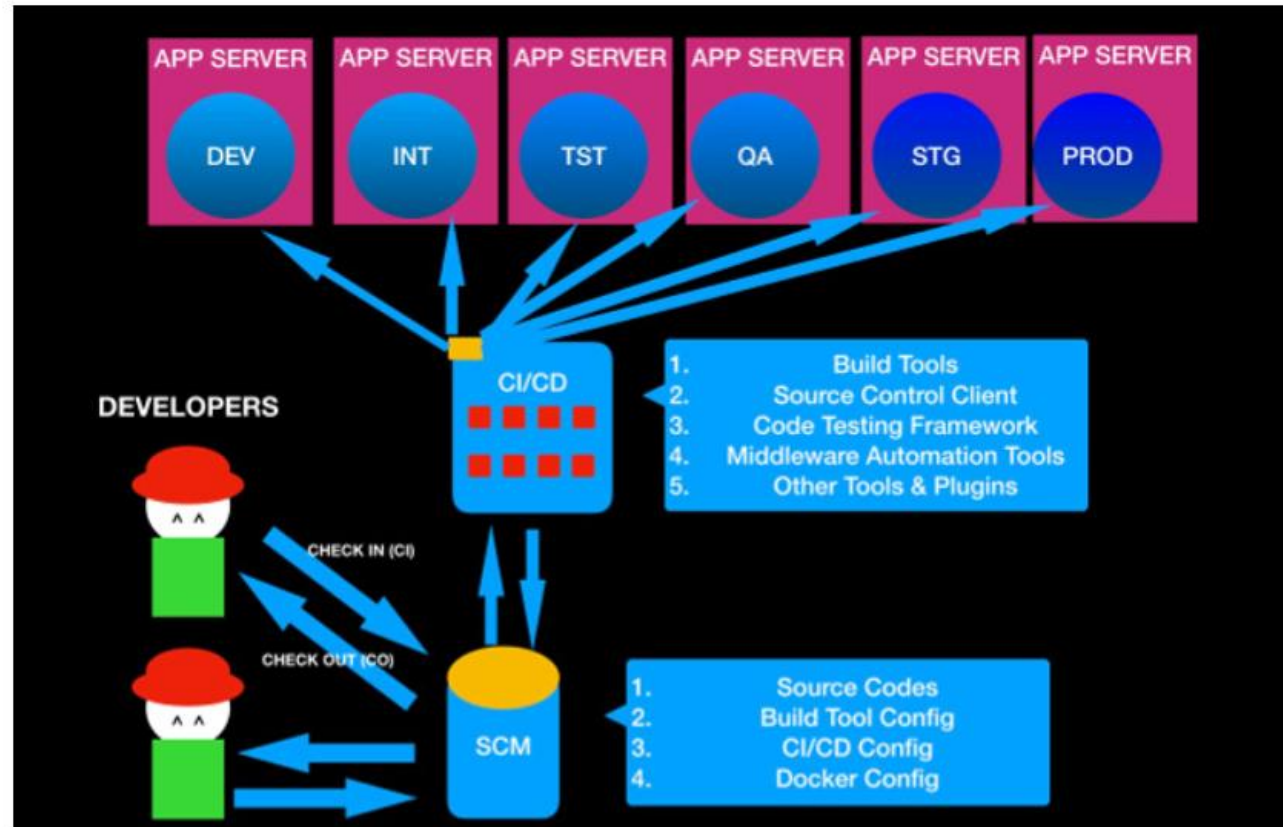
What is DevOps and why

- DevOps has become the default answer to fixing software development processes that are slow, siloed, or otherwise dysfunctional.
- The problem If the application server went down whenever multiple users simultaneously tried to make deployments, so the developers had to let each other know whenever they were about to make a deployment, which was quite a pain.
- Low code test coverages, cumbersome manual deployment processes, and no way to track code deployments with a defined task or a user story.

A primer on DevOps pipeline: Continuous Integration & Continuous Delivery (CI/CD)

- While having the right software tools is not the only thing you need to achieve a DevOps environment, some tools are necessary. A key one is continuous integration and continuous deployment (CI/CD). This pipeline is where the environments have different stages (e.g., DEV, INT, TST, QA, UAT, STG, PROD), manual things are automated, and developers can achieve high-quality code, flexibility, and numerous deployments.

a five-step approach to creating a DevOps pipeline and two optional steps (total 7 Steps)



Thanks