Story of an Organization LT

* Goals: LT want to implement DevOps Practices
  + Check the code quality and regressions whenever developer commits the code.
  + Manual testers will test all the work done by developers’ previous day in today’s work
  + Code Quality has to be tested by Static Code Analysis tools
  + We need to store the build artifacts of night build in artifact repository
  + During nightly build three test environments have to be updated and automated test results have to shared
    - System Test
    - Performance Test
    - Security Test
  + We need to create a weekly build at Friday night where long duration tests run.
  + For every two weeks we give an internal release which will bring up the UAT (User Acceptance Test)/Pre-Prod Environment (Sprint builds)

Concepts/tools To learn to achieve the above goals

* git
* jenkins
* Sonar Qube (Static Code Analysis)
* Jfrog (Package Repository/artifact repository)
* Branching strategies
* Integration with
  + Ansible
  + Terraform
  + Docker
  + Kubernetes
  + Build tools:
    - maven
    - msbuild