**Describe a high level design for a Distributed Code Deployment System.**

1)Requirements and goal

The system should be global and should be able to be deploy code fast

The system takes the code it generates the code into a binary and deploys it globally in an efficient manner

# It should to scale code to application servers globally

# The system should also save the historical data of all the deployment and builds

2) Capacity Estimation and Constraints

The system should be extremely fast enough to deploy the code at the speed of 30 minutes for deployment

As the system has very large code bases the storage can occupy upto 10 GB of space

As the machine has large code bases the system is used very extensively and can have by 1000 deployments per day.