Design A Code – Deployment System

Probable Questions Walkthrough.

- We design all the Code Deployment system or a part or it?

- Web based on distributed servers or downloaded on user's machine who can deploy to a business gitlab repo?

- The code merged from different users through git, merged to a master server node and deployed to production with our system ?

- How many users will deploy code ?

- The max binary size of their daily code ?

- Can we afford failures in deployment without focusing to the high availability ? Slower deployment or it is highly urgent to deploy code in production ?

- Is there rollback or erroneous code builds? Do we track the user's id to find who submited the built in code ?

- What language supports?

- Compiler for JAVA goes with JVM , C / C++, Python goes with Cython and Gcc ?

- Add-ons to connect to Git, BitBucket or other , then do we save the code to a Cloud like GCP or AWS as an internal BLOB store?

- Is this internal tool or can become a product with

one time purchase and support, free edition with limited functionality or business edition?

- How strict should the Authentication and how often the Built-in update should happened ?

- Memory optimizer

- GPU boost for Graphics and Computer Vision ? Also TPU for Deep Neural Networks?

- Is there a Gui and is this editable by the user?