1. Connect to Amazon EC2:
   1. ssh -i "kqi-aws-2017.pem" [ubuntu@ec2-52-15-204-194.us-east-2.compute.amazonaws.com](mailto:ubuntu@ec2-52-15-204-194.us-east-2.compute.amazonaws.com)
2. Get into the project folder:
   1. Cd ~/umlx
3. Use git to update the project:
   1. Git status
   2. Git pull origin master. (make sure your current branch is the master branch before do this).
4. Change the IP of UMLxServices.js to 0.0.0.0
   1. Use Vim (or other text editor you are familiar with) to open UMLxServices.js.
   2. Find the line “var server = app.listen(8081,'0.0.0.0', function () {“, to make sure the ip address is 0.0.0.0
5. Test the pulled version.
   1. Use “node UMLxServices.js” to start the service.
   2. Access the tool from public internet, and try throughout the functionality, for example, the upload functionality, if the charts are displayed corrected. Search the errors in the output of the terminal.
6. Start the UMLxServices.js in the backend.
   1. After you have test the version and gather all the problems and errors. Stop the UMLxServices you started in step 5.
   2. Use “forever start UMLxServices.js” to start the services in the backend. Also, you may want to make sure currently the services are not started in the backend using “forever stop UMLxServices.js” before you start it.

The estimation page is setup at this URL:

<http://18.223.102.195:8081/estimationPage>

* After a git pull from the github repository. The following folders can be deleted to solve the space:
  + Backup
  + Backup\_kqi
  + Data
  + Database\_backups
  + Debug
  + Diagnostic.data
  + Dump
  + Temp
  + Third-Party