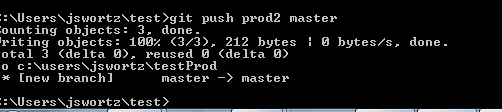
High level to-dos

1. Investigate/play with git as a means for version control – read this: <https://www.r-bloggers.com/rstudio-and-github/> Idea would be this:
   1. Every data sceience project would have the following folder structure
      1. <PROJECT NAME>
         1. Src
         2. Resources
   2. Src is where the code is stored, resources is where the stored model objects will live
   3. Git will be used for source control
   4. Github would be ideal, as it allows off-site backups of the repo
   5. Hopefully this will make sense when you read the link
2. Dev will have R-studio server installed for development purposes. Code will be developed in the respective project folders above, and git usage will be via the integration in R-Studio server.
3. Dev to prod promotion
   1. Create a git repo for the development project folder
      1. Git init (this is not necessary if we are initializing a repo via r-studio)
   2. Create a bare git repo in the network-available location
      1. <https://stackoverflow.com/questions/2816369/git-push-error-remote-rejected-master-master-branch-is-currently-checked> (guide on configuring bare repos)
      2. git --bare init
   3. On the dev repo, add the prod repo as a remote:
      1. Git remote add prod <PROD URL/PATH (FULLY QUAL)>
   4. Push the dev code to prod
      1. Git push prod master
      2. 
   5. Pull the final code into the prod directory from the bare repo
      1. Git clone c:\users\jswortz\prodTest

SERVER INSTRUCTIONS

After provision, install R:

ON PROD AND DEV:

sudo apt-get update

sudo apt-get install r-base r-base-dev

Install R Studio on DEV:

sudo apt-get install gdebi-core

wget <https://download2.rstudio.org/rstudio-server-1.0.143-amd64.deb>

sudo gdebi rstudio-server-1.0.143-amd64.deb

Ensure package installation is working on R:

$R

(you will now see R prompt starting up)

install.packages(“RODBC”)

After choosing a download mirror, the package should be able to download. Dev users should have the ability to download needed packages.

Run the rest of these installations on prod and dev:

install.packages(“recommenderlab”)

install.packages(“plyr”)

install.packages(“ggplot2”)

install.packages(“dplyr”)

install.packages(“pastecs”)

install.packages(“reshape2”)

install.packages(“rBayesianOptimization”)

install.packages(“ggthemes”)

install.packages(“FactoMineR”)

install.packages(“BurStMisc”)

install.packages(“RODBC”)