

# Grouper Training Environment developer notes

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The current working branch for November 2019 training is "201911". [https://github.internet2.edu/docker/grouper\\_training/tree/201911](https://github.internet2.edu/docker/grouper_training/tree/201911).

This branch is automatically built on every commit and pushed to dockerhub, with the branch name appended to the image tags. <https://hub.docker.com/r/tier/gte/tags>.

To work on updates:

1. create a feature branch off of 201911 (eg. 201911-201-updates).
2. update ./gte line 12 with your branch name (eg. replace "201911" with "201911-201-updates").
3. make local changes to exercises and content
4. run ./manualBuild.sh in whatever ex### directory you are working in. this will create docker images based on your branch name
5. run ./start-rabbitmq.sh (this starts rabbitmq, and can be left running. it is required for the ./gte command to work)
6. run ./gte 201.1.1 (this will start the correct local version based on your branch name and link to rabbitmq)
7. test/review changes at <https://localhost:8443/grouper>
8. push local commits/branch to github
9. Merge changes into 201911 when completed.
  - a. Log into github and go to "Branches"
  - b. Choose "New pull request" on your feature branch
  - c. **Make sure to update base: master to base: 201911**
  - d. Add comment and choose "Create pull request" underneath comment section
  - e. Choose "Merge pull request"
  - f. Choose "Confirm Merge"
  - g. Choose "Delete Branch" if done with feature branch.

Developer flow looks like this:

1. make local changes
2. ./manualBuild.sh - build local docker images with tags based on branch name
3. docker ps - check to see what's running.
4. docker stop 201.1.1 - stop an image
5. ./gte 201.1.1 - start an image
6. test/review changes at <https://localhost:8443/grouper>
7. repeat.

```
docker restart rabbitmq
./gte 101.1.1
```

```
$ docker logs 101.1.1 to bide the time.
$ ./gte-shell 101.1.1
```

stop

```
docker ps
docker stop imageId
```

list of sections:

[https://docs.google.com/spreadsheets/d/1Emf79h-2lmfSxaNgjVu5lRcboJ1lWkwSmh\\_6E5T2lo/edit#gid=0](https://docs.google.com/spreadsheets/d/1Emf79h-2lmfSxaNgjVu5lRcboJ1lWkwSmh_6E5T2lo/edit#gid=0)

Final date to get new patches from Grouper: June 3rd. (maybe 7th). Babb clone VMs on 10th.

Run locally or from docker hub.

```
docker exec -it {container name} /bin/bash; cd bin; gsh;
```

[https://github.internet2.edu/docker/grouper\\_training/tree/201906](https://github.internet2.edu/docker/grouper_training/tree/201906)

[Command Line Jumpstart for the GTE](#)

Grouper email list: grouper-2019-06 at internet2 dot edu

```
gte $ git clone https://github.internet2.edu/docker/grouper_training.git
grouper_training $ git checkout 201906
grouper_training $ ./manualBuild.sh
```

[https://github.internet2.edu/docker/grouper\\_training/blob/201906/README.md](https://github.internet2.edu/docker/grouper_training/blob/201906/README.md)

Google drive for slides: <https://drive.google.com/drive/u/0/folders/1irHccRqkfrwkeXpA2ayQPEt2PII67Cx5>

Course outline: [https://docs.google.com/document/d/1o8siMrRxZm1M\\_DgDQ5qu6jZEE4mb4MODxfQVvixG508/edit](https://docs.google.com/document/d/1o8siMrRxZm1M_DgDQ5qu6jZEE4mb4MODxfQVvixG508/edit)

Tracking sheet: [https://docs.google.com/spreadsheets/d/1A5Eok-GWBJs4zMwsAvS7k0YEkr4OnZz-74B\\_yRLerPg/edit#gid=0](https://docs.google.com/spreadsheets/d/1A5Eok-GWBJs4zMwsAvS7k0YEkr4OnZz-74B_yRLerPg/edit#gid=0)

Folder for pres: <https://drive.google.com/drive/u/0/folders/1irHccRqkfrwkeXpA2ayQPEt2PII67Cx5>