**Ventera 18F Prototype Application Setup Instructions**

NOTE: This procedure has only been verified on Ubuntu 14.04 LTS operating system, but should work on most mainstream Linux distributions.

1. Launch a machine running Ubuntu 14.04 LTS and make sure you have ‘sudo’ access to the machine. The machine must not have any services listening on TCP Port 80.
2. Install Docker on the machine by running the following command:
   * wget -qO- https://get.docker.com/ | sh
3. Set any users you want to be able to run the Docker command without ‘sudo’ by running the following command (make sure the users log out and log back in after running this command):
   * sudo usermod –aG docker <username>
4. Install Git on the machine as follows:
   * apt-get update && apt-get install –y git
5. Download the 18f application code from Github as follows:
   * git clone https://github.com/akulasainath/18frepo.git
6. Copy the Dockerfile into the current directory as follows:
   * cp ./18frepo/Dockerfile .
7. Build the Docker image by running the following command in the same directory as the Dockerfile:
   * sudo docker build –t 18f:ventera .
8. Run the Docker container by running the following command:
   * docker run –d –p 80:80 18f:ventera (this will run the docker container in the background in “detached” mode. Leave out the ‘-d’ to run the container in the foreground)
   * After starting the Docker container, if you get ‘caught SIGWINCH, shutting down gracefully’, repeat the step above to restart the Container. This is a graceful shutdown by Apache that can be caused by the terminal resizing itself after Apache starts.
9. Launch a browser and connect to the following URL to access the application:
   * http://<Machine IP Address>/web/index.html#/drugs/