1. Start by downloading Vagrant for your platform: <https://www.vagrantup.com/downloads.html> - Vagrant is a tool for setting development environments as Virtual Machines
2. Then get VirtualBox to run the dev VM: <https://www.virtualbox.org/wiki/Downloads>
3. Lastly, install Ansible (tool for provisioning/configuring development environments): <http://docs.ansible.com/intro_installation.html> (tl;dr: `pip install ansible`)
4. Then, in the root of Webwork\_AdaptiveHints(make sure you get the most current pull), type `vagrant up`. This will download a base VM image, install all the necessary dependencies for Webwork and Python stuff, and configure (almost) everything you need for a development environment for the adaptive hints infrastructure
   1. If the provisioning fails, make note of what failed and re-run the provisioning(`vagrant provision`), otherwise your server might not be fully configured. Email Zhen the error if you can’t get pass it.
5. Replace references to webwork.cse.ucsd.edu with 192.168.33.10 in:
   1. src/adaptive-hint-clients/teacher\_client/ng/js/constants.js
   2. src/adaptive-hint-servers/rest\_server/scripts/checkanswer.pl
   3. src/adaptive-hint-servers/rest\_server/scripts/renderPG.pl
6. Set default database username/password of webworkWrite/webwork in src/adaptive-hint-servers/rest\_server/webwork\_config.py
7. Configure and run services…
   1. run /vagrant/src/adaptive-hint-servers/init-scripts/deploy.sh
   2. run /vagrant/src/adaptive-hint-servers/init-scripts/restart-servers.sh
   3. in /etc/nginx/sites-available/default, remove the “location / {}” block so that apache can serve Webwork
8. Restart apache2/nginx…s
   1. `sudo service apache2 restart`
   2. `sudo service nginx restart`
9. Browse to http://192.168.33.10/webwork2 , see if webwork runs
10. Browse to http://192.168.33.10/teacher/ng, see if hint client works
11. Remember, do not push any of the change to github.