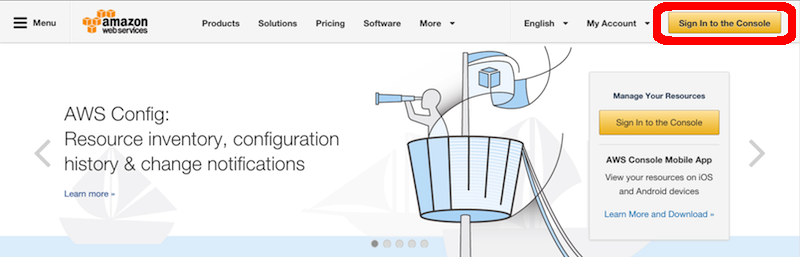
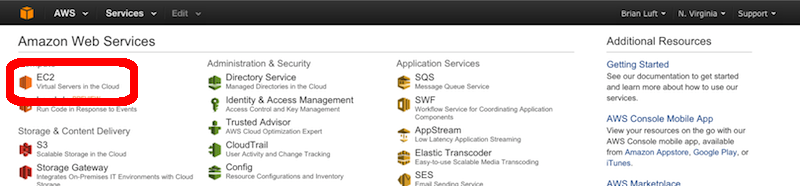
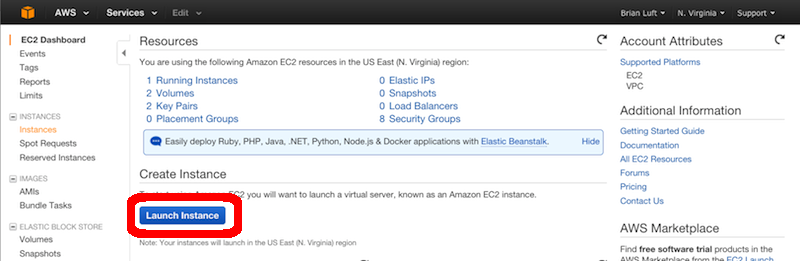
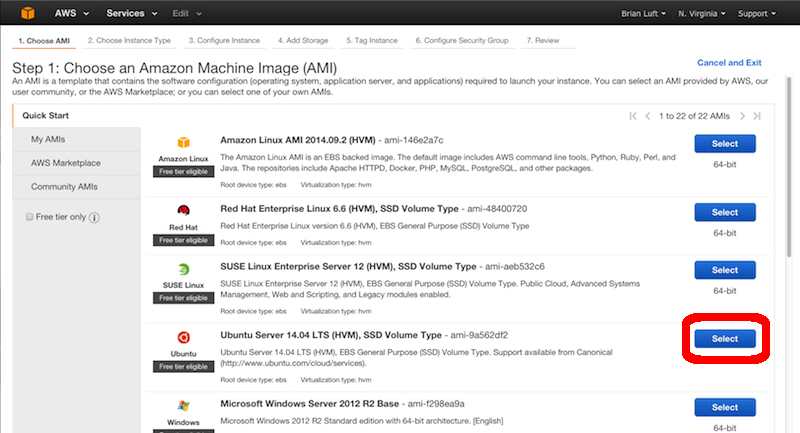
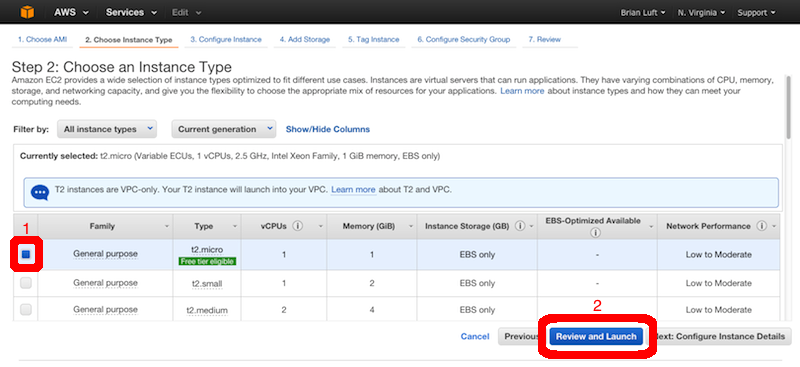
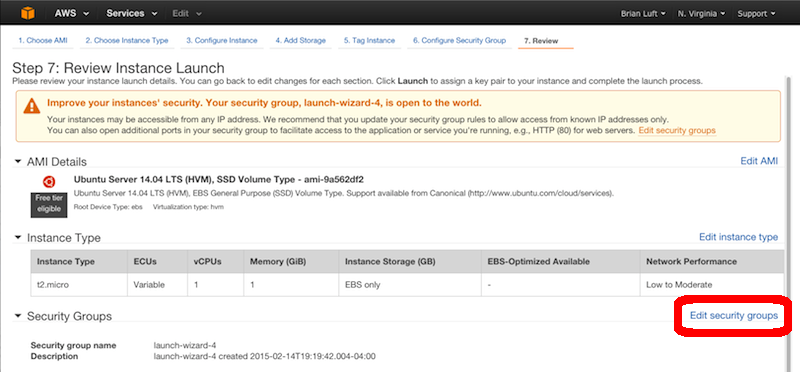
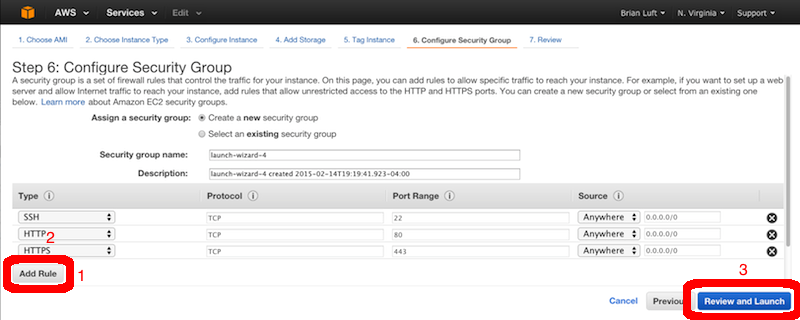
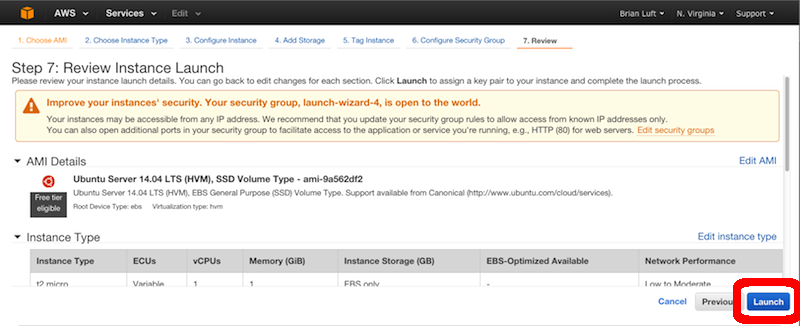
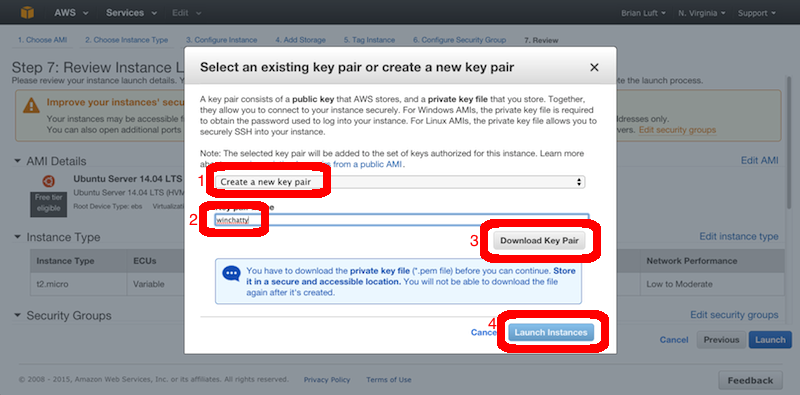
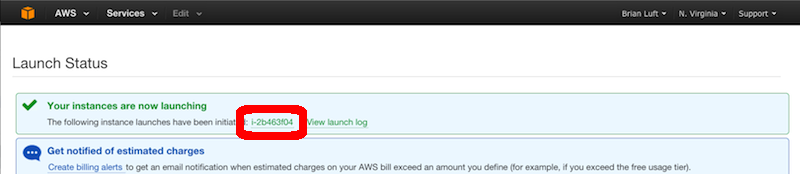
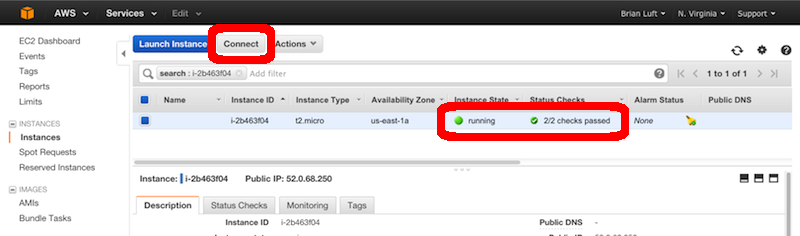
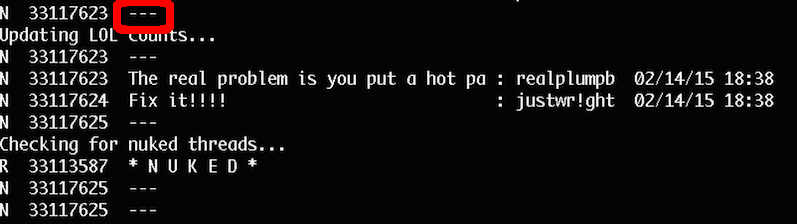
# Installing the Server

These instructions will walk you through setting up a new Amazon EC2 virtual machine running Ubuntu 14.04 LTS, the WinChatty Server backend, and TheNiXXeD’s chatty frontend. The free tier-eligible t2.micro instance will work fine for this, since we will be using a miniature database containing a small number of posts rather than the full ~30 million post database.

1. Create a new Shacknews user account dedicated to the chatty server. Choose a password containing only alphanumeric characters. Log in as that user, and turn on all of the moderation filters. Then sign out.
2. Open <http://aws.amazon.com/> and click “Sign In to the Console.”  
   
3. Click “EC2 – Virtual Servers in the Cloud.”  
   
4. Click “Launch Instance.”  
   
5. Click “Select” next to the “Ubuntu Server 14.04 LTS” image.  
   
6. Click the checkmark next to the “t2.micro (Free tier eligible)” instance type, and then click “Review and Launch.”  
   
7. Click “Edit security groups”.  
   
8. Click “Add Rule” twice, and then change the two new rules to “HTTP” and “HTTPS.” There should be three rules total: SSH, HTTP, and HTTPS. Then, click “Review and Launch.”  
   
9. Click “Launch.”  
   
10. A popup will appear. Select “Create a new key pair” from the dropdown. Then enter “winchatty” (or whatever you’d like) into the name field. Then click “Download Key Pair.” Save the file to somewhere safe, perhaps in your home folder. Then click “Launch Instances.”  
    
11. Click the name of your instance (usually something like “i-“ and then some hex digits, unless you entered a custom name for the instance).  
    
12. After a few minutes, it will say “running” and “2/2 checks passed” for your instance. Click “Connect.”  
    
13. This will bring up a window with instructions on how to connect. Follow those instructions. When you’ve connected successfully, you will see the Linux command prompt.  
    
14. Enter the following commands, filling in the Shack credentials where specified.

sudo su  
export OWNER=me  
export SHACK\_USERNAME=*<username of the Shack account you created>*  
export SHACK\_PASSWORD=*<password of the Shack account you created>*  
export DUMP\_FILE=chatty-sample.sql.gz  
wget http://tinyurl.com/winchatty-server-install  
bash winchatty-server-install

1. After a few minutes you should see the message “Installation complete. You must reboot.” Enter the command “reboot”. You will be disconnected from the virtual machine.
2. Wait a few minutes, and then reconnect via SSH. Type “log-indexer” to monitor the log of the chatty indexer. It will take some time for the indexer to download all of the posts that have been made since the database snapshot was made. When it has finished the initial indexing, you will see it start to show posts with “---“ as the text. This means it requested a post that doesn’t exist yet; this is an indication that it has caught up.  
   
3. On your local computer, open “C:\windows\system32\drivers\etc\hosts” in Notepad as an administrator (Windows) or run “sudo pico -w /etc/hosts” from the Terminal (OS X). Add the following two lines:  
     
   1.2.3.4 winchatty.com  
   1.2.3.4 www.winchatty.com  
     
   Replace 1.2.3.4 with the IP address of your server (the one you use to connect via SSH). On Windows, run “ipconfig /flushdns”. Close the command prompt/Terminal window
4. Open <https://winchatty.com> in your browser. You should get a warning about a self-signed SSL certificate; this indicates that you are now connecting to your server rather than the official winchatty.com site (which has a real certificate).
5. Open <http://winchatty.com/frontend/> in your browser. You should see the chatty – this is your server on both the backend and frontend. Congratulations!