Readme

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Workforce Training Website

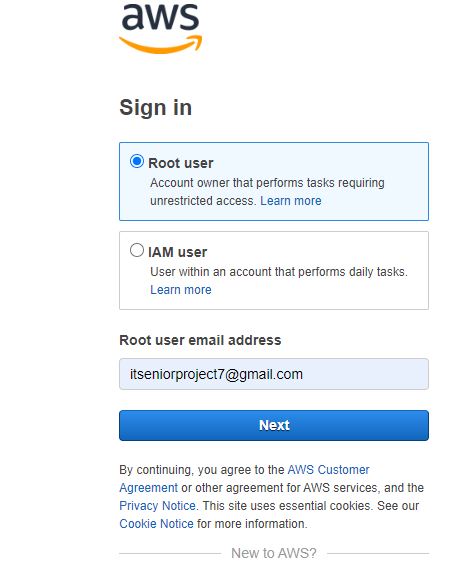
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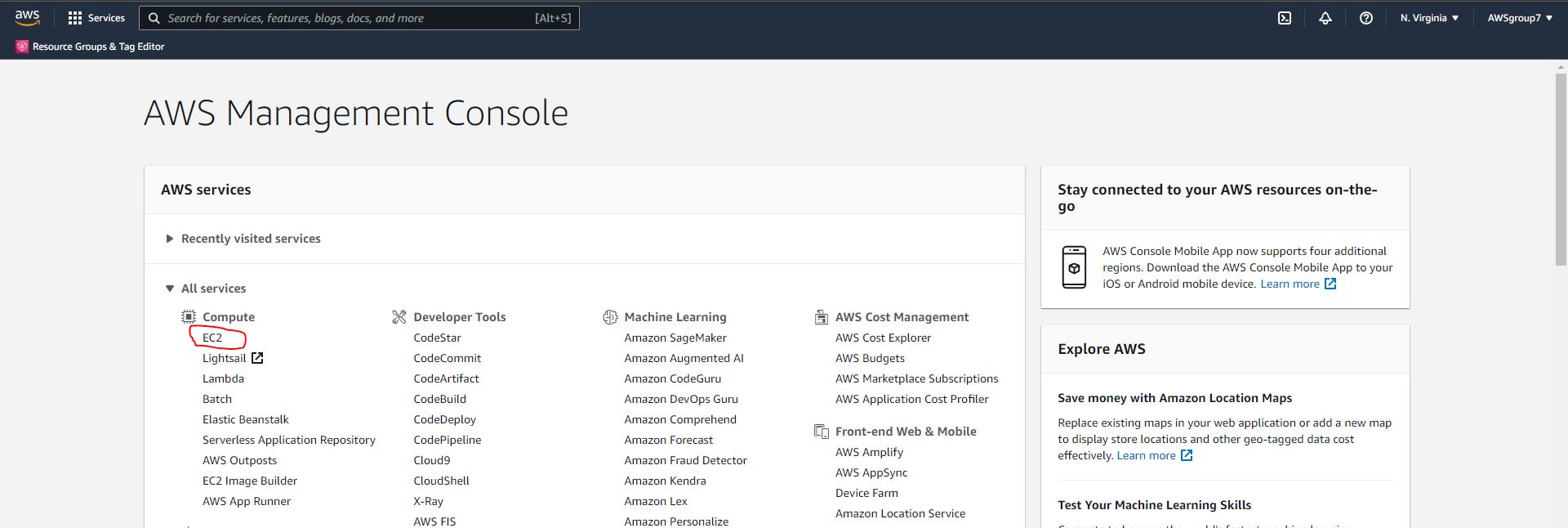
Quick-Access to Credentials

* AWS Login Credentials
  + [itseniorproject7@gmail.com](mailto:itseniorproject7@gmail.com)
  + AWSgroup7!
* PuTTY
  + Host Name- 52.72.21.235
  + Port- 22
  + Use the ITPROJECT.ppk private key
* Ubuntu “login as:”
  + ubuntu
* FileZilla Site Manager settings
  + Protocol- SFTP SSH File Transfer Protocol
  + Host- ec2-52-72-21-235.compute-1.amazonaws.com
  + Logon Type: Normal
  + User: ubuntu
* Website IP Address: 52.72.21.235
* phpMyAdmin
  + Link: 52.72.21.235/phpmyadmin
  + Username: root
  + Password: \*\*leave empty\*\*
  + Server Choice: localhost

1. Accessing AWS Control Panel
2. First navigate to aws.amazon.com on web browser of your choice
3. Press on the “Sign in to the console” button
4. Select “Root user” and enter the following into the root user email address: [itseniorproject7@gmail.com](mailto:itseniorproject7@gmail.com)



1. Pass the security check
2. Enter the following password: AWSgroup7! and click sign in
3. You will now be successfully logged in and redirected to the “AWS Management Console
4. Click on the dropdown menu labeled “All services” and then click on “EC2”

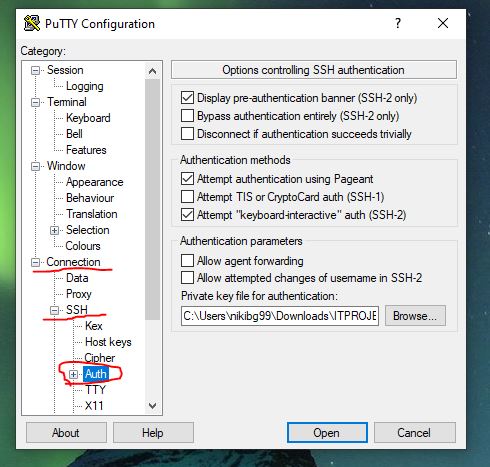


1. You will now see our web server instance named “UBUNTU” and have the ability to perform actions such as start/stop the server and manage any networking and security settings

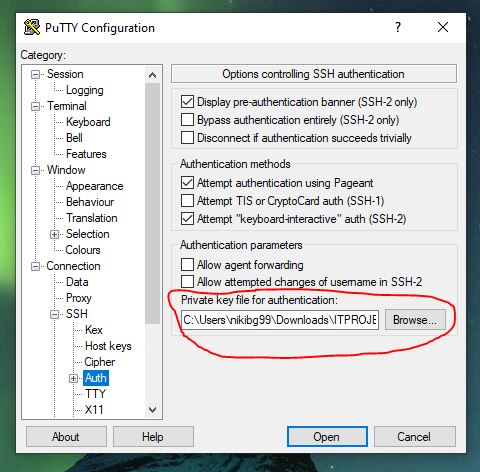
Graphical user interface, text

Description automatically generated

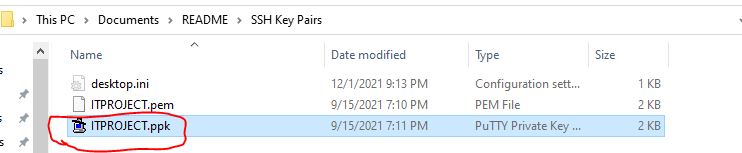
1. SSH into the Web Server
2. Navigate to the following link: <https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html> in order to download the SSH client PuTTY and select the correct package file for your system
   1. ALTERNATIVE- the 64-bit version of the installer is provided in the “installers” directory within the “readme” folder and can be installed from there
3. Run the file and complete the PuTTY installation
4. After a successful installation, run the “PuTTY” app and the “PuTTY Configuration” window should open
5. In the left-hand most part of the app there is a drop down menu section titled “Category:”. Find the “connection”, then expand the “SSH” section, and finally click on the “Auth” section



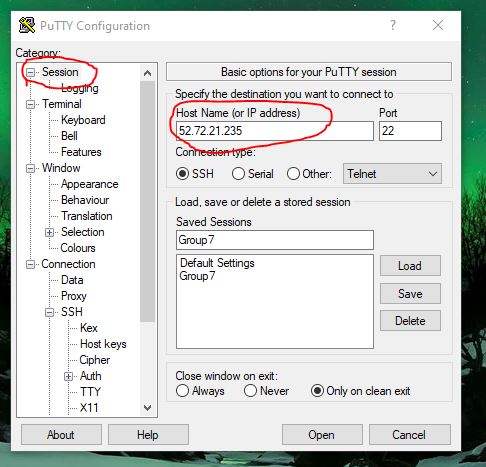
1. Now click on the “Browse…” button at the bottom of the “Auth” page in order to import the “ITPROJECT.ppk” file which can be found in the “SSH Key Pairs” directory



* 1. IMPORTANT- note that within the “SSH Key Pairs” folder there are two files named the same with different file extensions. The ITPROJECT.pem file is the original unmodified private key generated from AWS which can be used in order to SSH using the AWS web browser console. For the purposes of this project, we will only discuss how to SSH using PuTTY as that is what the team members used. So in this case, please ensure you are using the special PuTTY generated SSH key named ITPROJECT.ppk and NOT the ITPROJECT.pem file

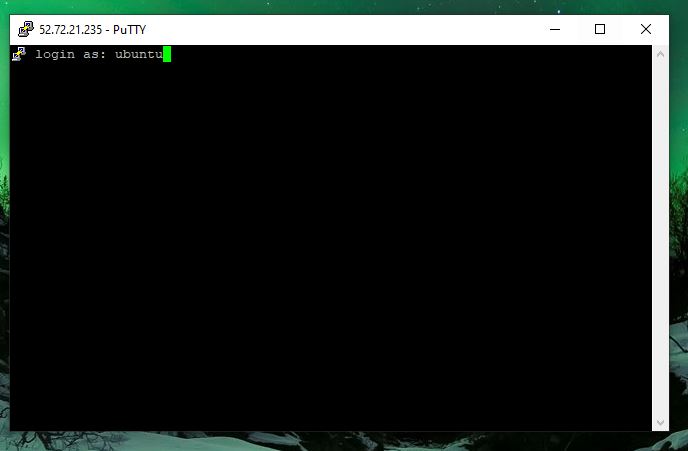


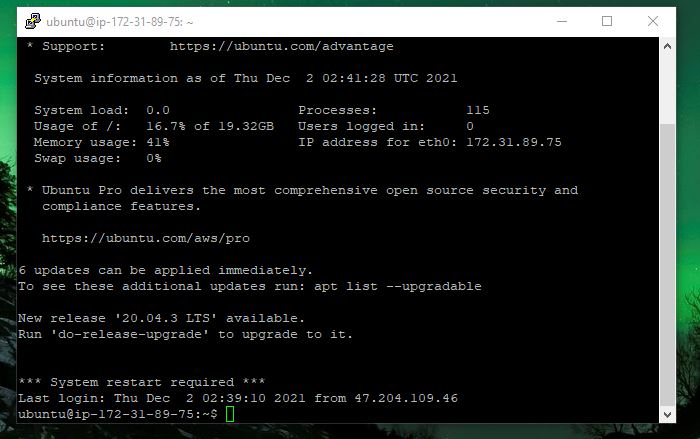
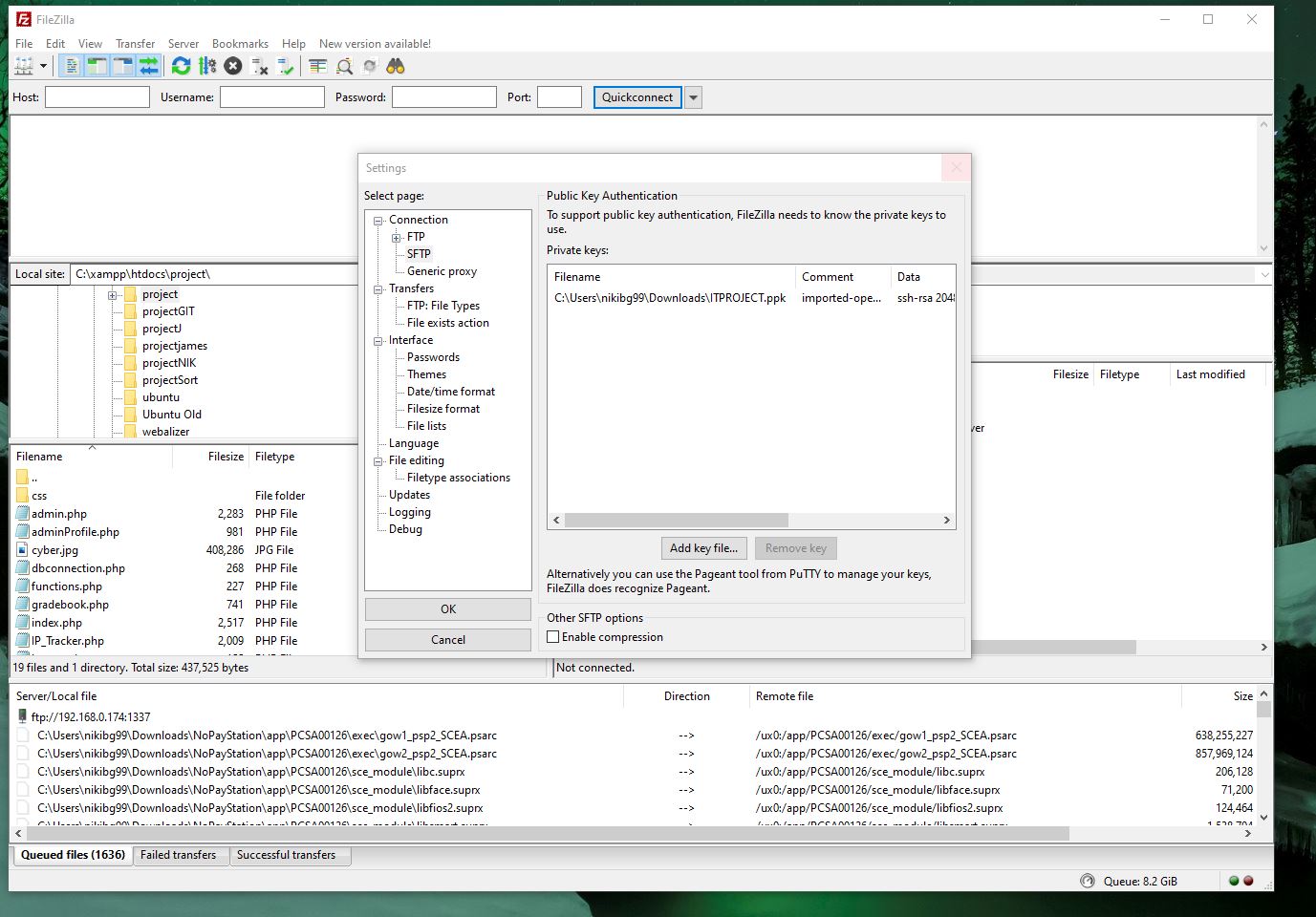
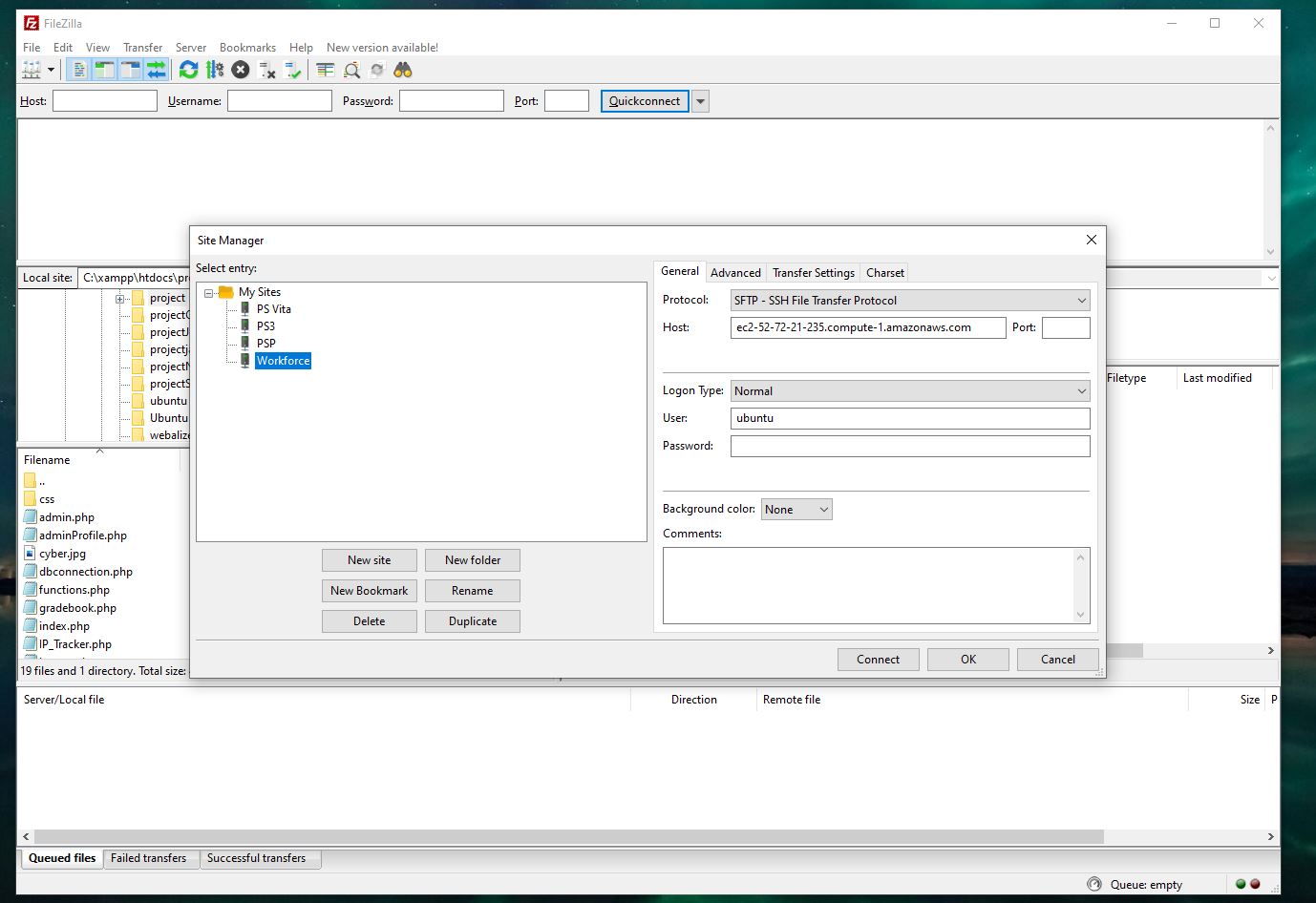
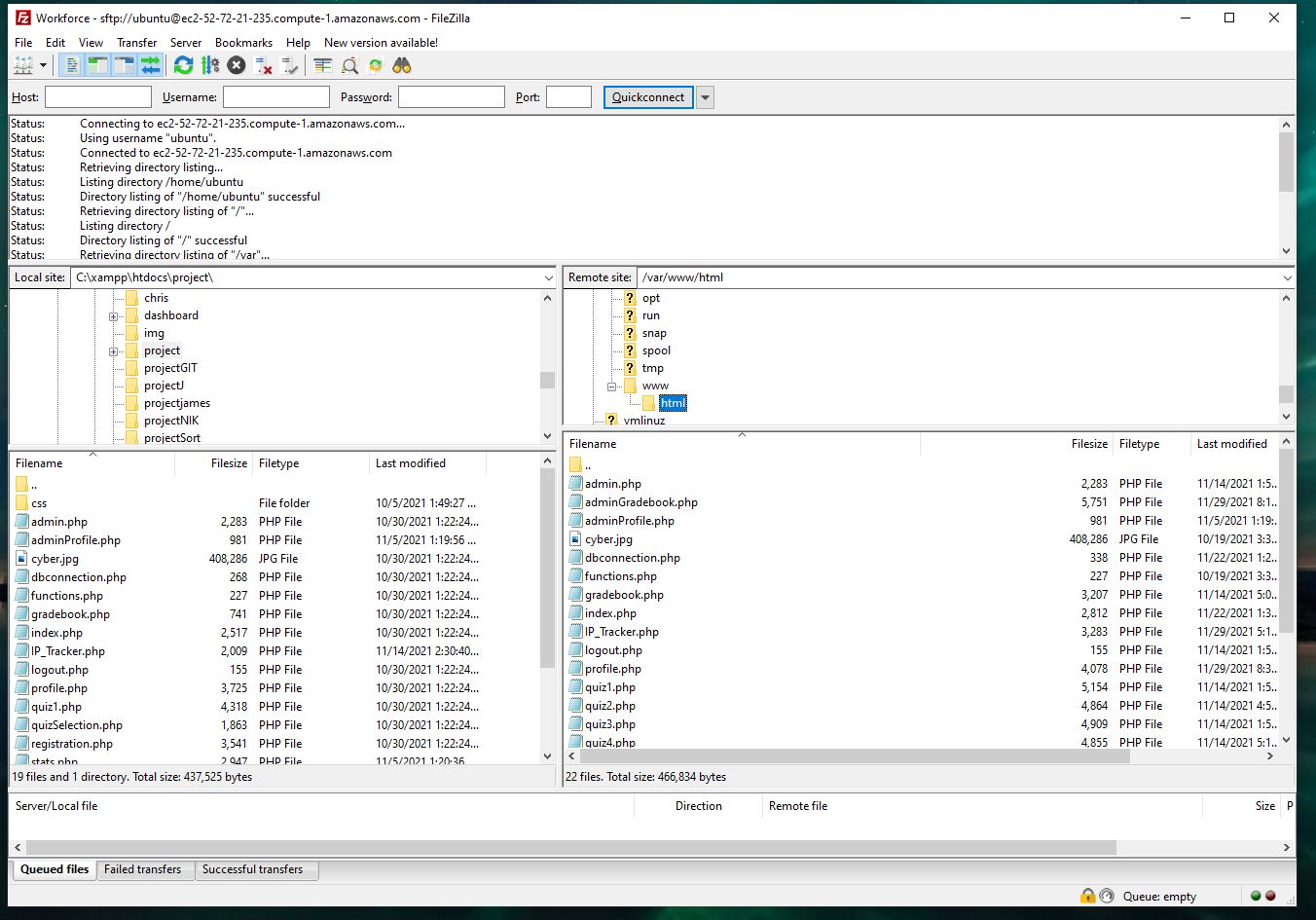
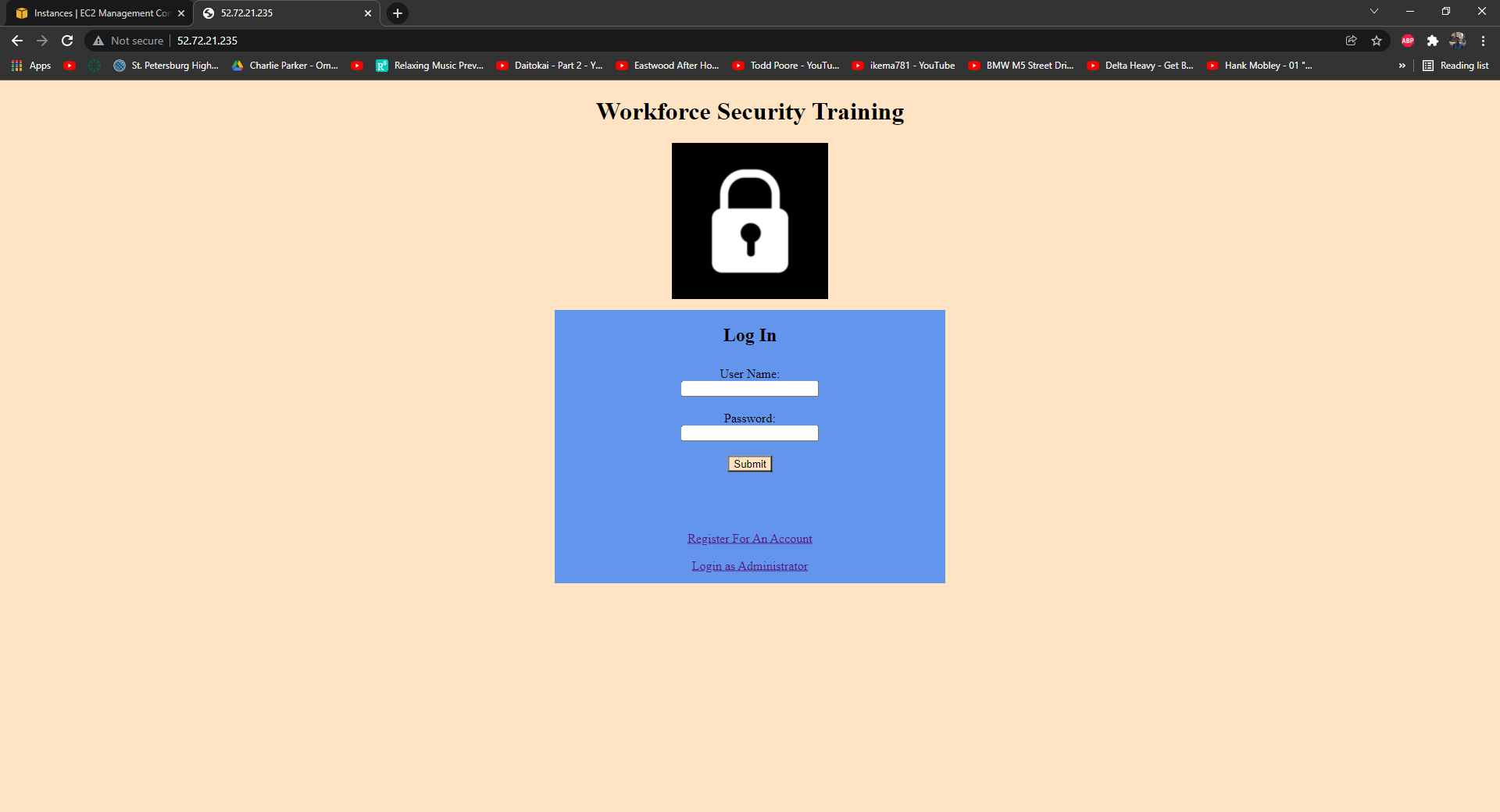
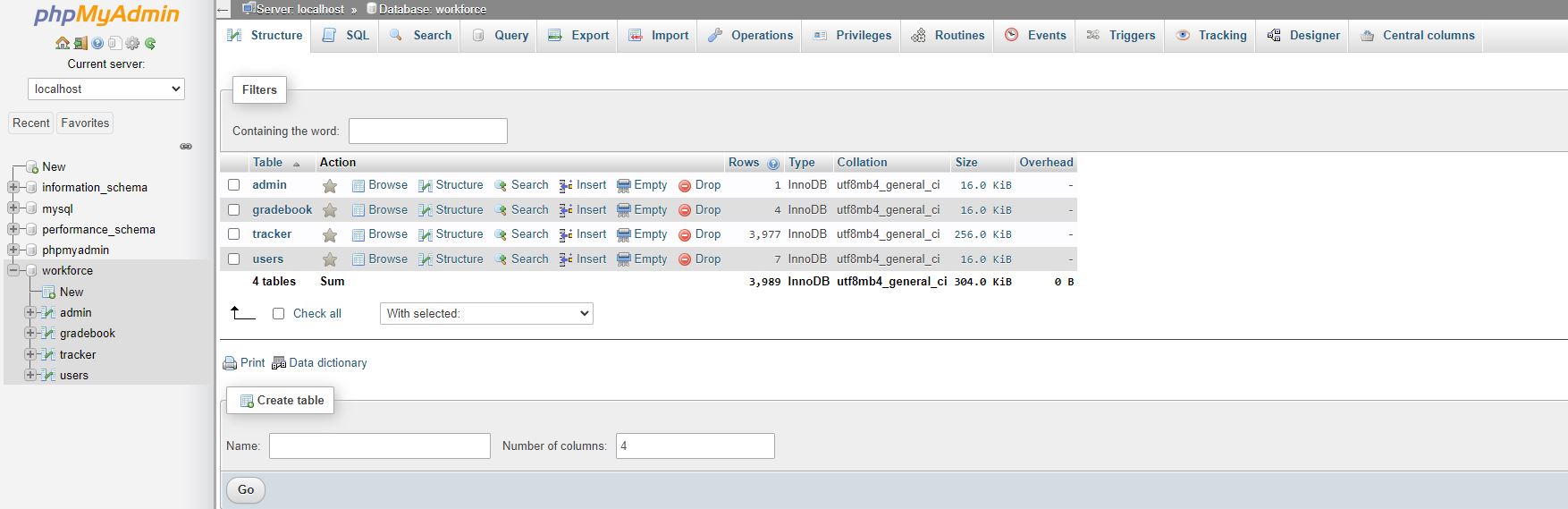
1. Now navigate back to the “Session” tab within the “Category:” window and enter the following IP address into the “Host Name (or IP address)”: 52.72.21.235 and the number 22 into the “Port” textbox



* 1. If you run into errors you can try inputting the Public IPv4 DNS instead of the Public Ipv4 address: ec2-52-72-21-235.compute-1.amazonaws.com

1. Now that you have imported the correct SSH key, inputted the correct Host Name and Port you can click on the open button and the SSH command prompt should open
2. You will be asked enter the username next to the “login as:” text. Enter the username “ubuntu”



1. You will now be logged into the Ubuntu Web Server through SSH
2. SFTP(SSH File Transfer Protocol)
3. The team commonly used SFTP to upload new web pages which had been developed and tested locally or download pages already put on the web server. In order to SFTP you need a SFTP client, the two most popular options are FileZilla and WinSCP. The following instructions can be applied to both apps but for the purposes of this tutorial we will discuss using FileZilla
4. Navigate to the following link: <https://filezilla-project.org/download.php?type=client>
5. Click on the green download FileZilla Client button
   1. Alternative: Use the installer within the “Installers” directory named “FileZilla\_3.56.2\_win64-setup.exe”
6. Follow the installers instructions and install the FileZilla Client
7. Open the FileZilla app
8. At the top of the app, click on “Edit” and then “Settings” to open the settings page
9. In the left drop-down menu click on the “SFTP” menu under the “Connection” menu
10. Now at the bottom click “Add key file…” and open the SSH key generated by PuTTY named “ITPROJECT.ppk” in the “SSH Key Pairs” directory
11. Click “Ok” on the settings menu to save and exit
12. Now go the “File” dropdown menu at the top left corner of the app and select “Site Manager”
13. Click on “New site” at the bottom of the page and name it whatever you want
14. In the right side of the Site Manager window select the “SFTP – SSH File Transfer Protocol” from the Protocol drop down menu
15. In the Host: textbox enter “ec2-52-72-21-235.compute-1.amazonaws.com”
16. Select Logon Type: “Normal”
17. Enter “ubuntu” into the User: textbox
18. Your site manager section should look like this
19. Click Ok to save your settings, then open the site manager back up, select the entry you just made and click connect
20. FileZilla should now connect to the web server and authenticate you
21. Once FileZilla retrieves the directory, you can navigate to /var/www/html to view all of our websites folders running on the apache web server
22. Accessing the Website
23. Redirect your Internet browser to one of the following links
    1. 52.72.21.235
    2. ec2-52-72-21-235.compute-1.amazonaws.com
24. You should be greeted by the index page which is also the user login page
25. Accessing the Database Through phpMyAdmin
26. Redirect your browser to <http://52.72.21.235/phpmyadmin/>
27. Enter “root” into the Username: textbox
28. Leave Password empty
29. IMPORTANT: Select “localhost” and NOT “localhost:3306” from the Server choice: textbox. By default the incorrect “localhost:3306” option is selected
30. Once logged in, go to the left most window which contains a drop down menu and select the “workforce”database which has 4 tables named: admin, gradebook, tracker, and users
31. Registering a User Account
32. Redirect your browser to <http://52.72.21.235/registration.php>
33. Fill out all the input fields with your information
    1. NOTE- The following conditions must be met in order for there to be no errors and register your account
       1. First and last names must begin with capital letters
       2. No fields can be empty
       3. Cannot use a username which is already in the users table
       4. Passwords must match in the “Password” and “Confirm Password” fields
34. Once you have filled out all the fields correctly, press the submit button
35. If the registration is successful you will be redirected to successful\_registration.php and can now login with the username and password you entered on the registration page
36. If you want to make further checks on the success of your registration or you forgot your credentials, you can access phpMyAdmin using the #5 step of this readme and once logged in navigate to workforce database and then users table

7. User Login

1. Ensure you have already registered

2. Navigate your browser to <http://52.72.21.235/index.php>

3. Enter the correct username and password

4. Press the submit button

5. You will be redirected to the user profile page which displays pertinent information related to your account

8. Taking Quizzes as a Workforce User

1. Navigate your browser to <http://52.72.21.235/index.php>
2. Enter the correct username and password
3. Press the submit button
4. You will be redirected to the user profile page which displays pertinent information related to your account
5. Using the navigation bar, click on the “Study” button in order to study for your quiz
6. Once ready, click the “Quizzes” button on the navigation bar to be redirected to the quiz selection menu
7. Select either Quiz 1, 2, or 3 depending on what you have studied for
   1. NOTE- Only your first quiz submission will be saved to the database
8. Enter your answers into the mixture of fill in the blanks and drop down menus taking care not to leave anything blank
9. Press the submit button
10. You will be automatically redirected to the gradebook which shows your score

9. Logging in as Administrator

1. Navigate your browser to <http://52.72.21.235/index.php>

2. Click on the hyperlink which says “Login as Administrator”

* 1. Alternatively, you can simply redirect your browser to <http://52.72.21.235/admin.php>

3. Enter admin into the “User Name:” text box

4. Enter admin into the “Password:” text box

5. Press the submit button

6. You will be redirected to the admin statistics page