

Challenge Lab: s3

Duration

This lab takes approximately **45 minutes** to complete.

Launch Your Lab Environment

1. At the top of these instructions, click to launch this lab.

A Start Lab panel opens displaying the lab status.

2. Wait until you see the message "**Lab status: ready**", then click the **X** to close the Start Lab panel.

3. Click the drop down menu above these instructions, and then click .

Copy the value of the **ips -- public** field to a text file and save the file as **Lab Details.txt**, using a text editor such as [Atom](#), [Sublime Text](#) or [Visual Studio Code](#). This value is the public IP address of the Linux Host.

The information you have saved will be referred to as *Lab Details* in the lab.

Using SSH to Connect to the Linux Host



Windows Users: Using SSH to Connect

💬 These instructions are specifically for Windows users. If you are using macOS or Linux, [skip to the next section](#).

4. Click the drop down menu above the instructions you are currently reading, and then click . A Credentials window will be presented.

5. Click the **Download PPK** button and save the **labsuser.ppk** file.

Typically your browser will save it to the Downloads directory.

6. Exit the Details panel by clicking the **X**.


7. Download **PuTTY** to SSH into the Amazon EC2 instance. If you do not have PuTTY installed on your computer, [download it here](#).

8. Open **putty.exe**

9. Configure PuTTY timeout to keep the PuTTY session open for a longer period of time:

- Click **Connection**.
- Set **Seconds between keepalives** to .

10. Configure your PuTTY session:

- Click **Session**.
 - **Host Name (or IP address)**: Paste the **IP address of the Linux Host instance** you saved in the Lab Details file earlier.
 - Back in PuTTY, in the **Connection** list, expand  **SSH**
 - Click **Auth** (*don't expand it*).
 - Click **Browse**.
 - Browse to and select the **labsuser.ppk** file that you downloaded.
 - Click **Open** to select it.
 - Click **Open** again.
11. Click **Yes**, to trust and connect to the host.
12. When prompted **login as**, enter: `ec2-user`.
- This will connect you to the EC2 instance.
13. Windows Users: [Click here to skip ahead to the next task.](#)

macOS and Linux Users

These instructions are specifically for Mac/Linux users. If you are a Windows user, [skip ahead to the next task.](#)

14. Click the `Details` drop down menu above the instructions you are currently reading, and then click `Show`. A Credentials window will be presented.
15. Click the **Download PEM** button and save the **labsuser.pem** file.
16. Exit the Details panel by clicking the **X**.
17. Open a terminal window, and change directory `cd` to the directory where the *labsuser.pem* file was downloaded.
- For example, if the *labsuser.pem* file was saved to your Downloads directory, run this command:

```
cd ~/Downloads
```

18. Change the permissions on the key to be read-only, by running this command:

```
chmod 400 labsuser.pem
```

19. Run the command below (*replace **<public-ip>** with the **Linux Host IP address** you saved in the Lab Details file earlier*).

```
ssh -i labsuser.pem ec2-user@<public-ip>
```

20. Type `yes` when prompted to allow the first connection to this remote SSH server.
- Because you are using a key pair for authentication, you will not be prompted for a password.


Your Challenge

To finish the Challenge do the following:

- Create an S3 bucket
- Upload an object into this bucket - **Capture screenshot for submission**
- Try to access the object using a web browser - **Capture screenshot for submission**
- Make the Object (not the bucket) publicly accessible
- Access the object using a web browser - **Capture screenshot for submission**
- List the contents of the S3 bucket using AWS CLI - **Capture screenshot for submission**

Lab Complete

When you are finished with the lab:

 Congratulations! You have completed the activity.

Click at the top of this page and then click **Yes** to confirm that you want to end the lab. A panel will appear indicating that "Lab resources are stopping."

Click the **X** in the top right corner to close the panel. Your lab resources are persisted and accessible to you when you start the lab again.