

DEFENDING U.S. ENERGY INFRASTRUCTURE

COMPETITION

BLUE TEAM AWS AND VPN INSTRUCTIONS

2024

CYBERFORCE COMPETITION®

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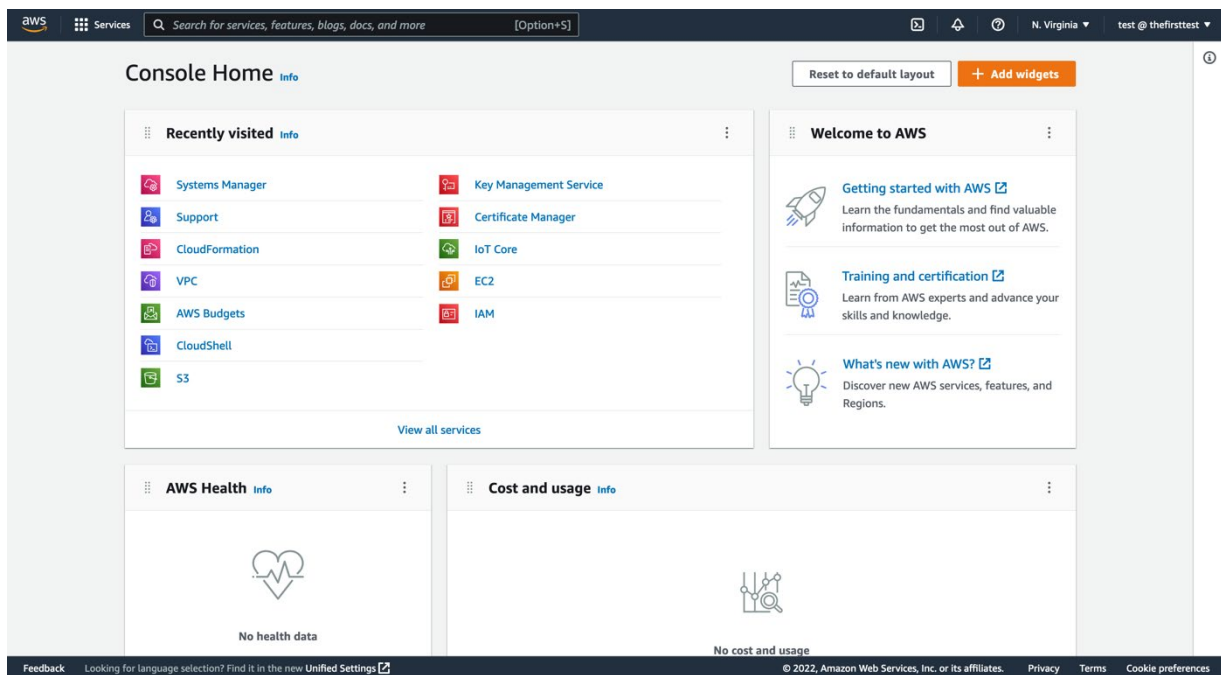
INTRODUCTION

You have been provided with access to a resource pool in Amazon Web Services (AWS), which will be used to host all virtual machines for the Department of Energy's 2024 CyberForce Competition®. This document will provide you with instructions on the use of and details about the virtual machines in AWS.

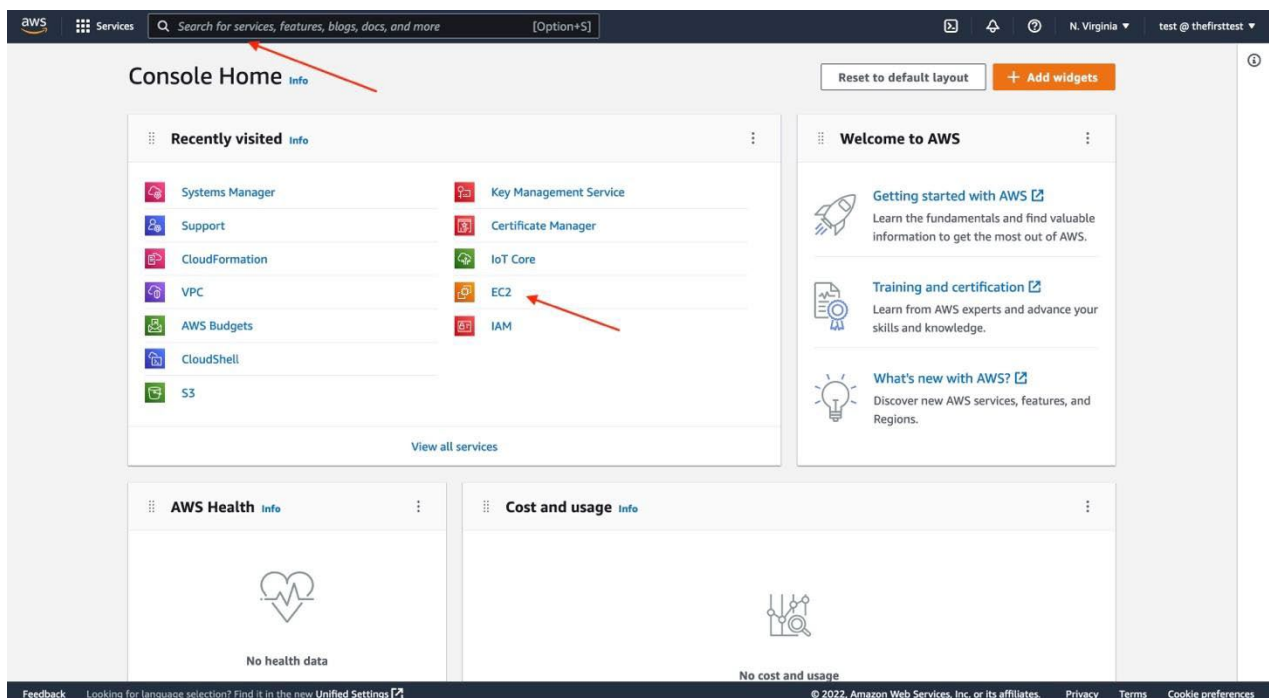
AWS

Included with this email, you should have received credentials for your AWS environment. You may login to your competition environment at [AWS Signin](#). After logging in,

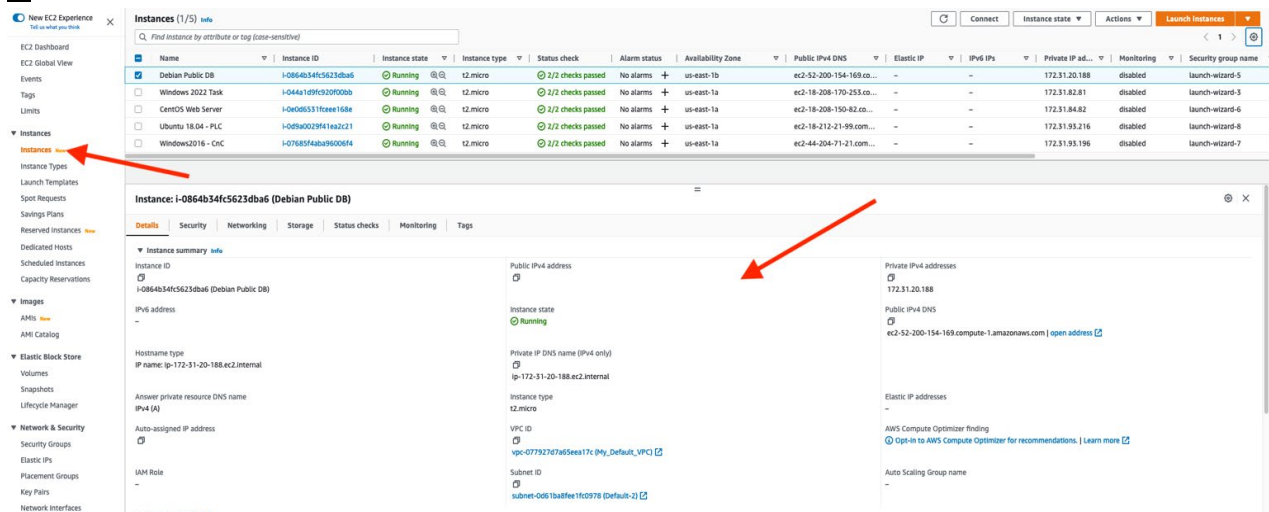
- Update your password
- You'll be brought to the screen pictured below



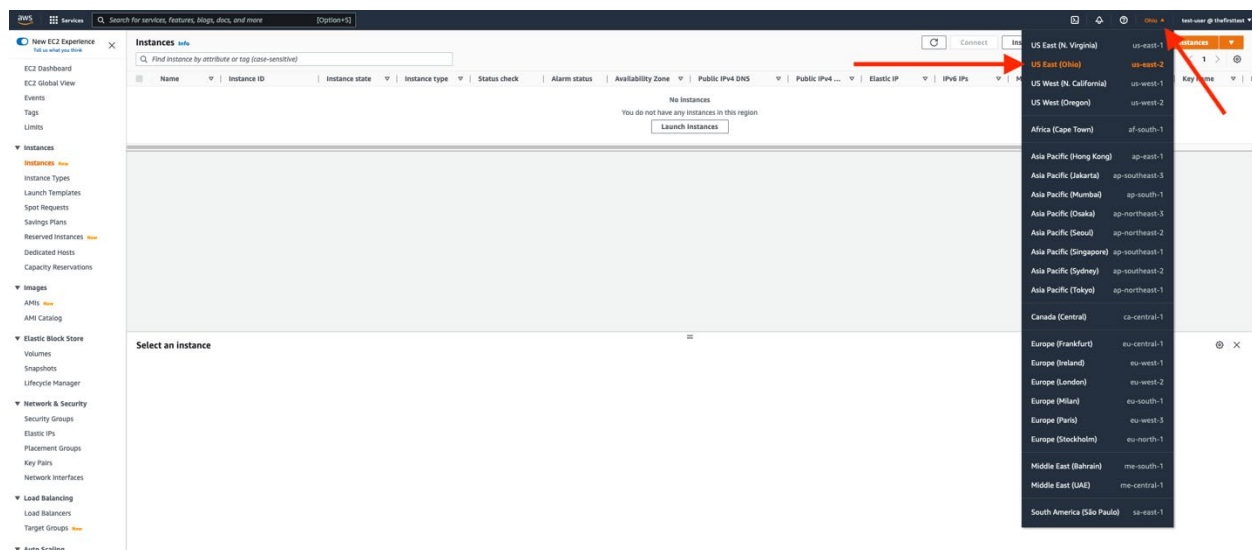
To view your team's virtual machines, use the search bar and search for "EC2" or click on "EC2" on the middle of the page.



From the EC2 dashboard menu, click on “Instances” to view the list of your team’s virtual machines. Clicking on a virtual machine will reveal additional details and settings below. All the provided virtual machines have been connected to your virtual network which provides an address space of 10.0.#.0/27. This IP does not have a correlation to your team number so make sure you memorize it!



If you are unable to see your machines, make sure you are in the correct region on the top right of the page. You should be in the “US East (Ohio)” region.



VPN CONNECTIONS

Your VPN has been setup to provide your Blue team with a connection to your subnet to allow for interaction with your machines. A .OVPN file that contains everything you need to connect your machine to your network will be sent separately.

To use your provided .OVPN file, you can use the below **OpenVPN COMMUNITY** clients. Examples below have been tested with this environment.

- Windows - <https://openvpn.net/community-downloads/>
 - You'll have to move the .OVPN file to the "Program Files/Openvpn/config directory.
- Mac - <https://www.tunnelblick.net> or <https://openvpn.net/client-connect-vpn-for-mac-os/>
 - Double click the .OVPN file and it should import it to Tunnelblick.
- Linux - apt (or yum) install openvpn
 - Run 'openvpn --config OVPN_FILE_NAME.ovpn'

Connecting to the VPN will **not** redirect all your traffic through the VPN. It will only redirect traffic destined towards your Blue team's subnet space of 10.0.#.0/27. Once connected, you will have access to your machines on 10.0.#.0/27. If you have issues, please disconnect and try to reconnect before you reach out.

PROVIDED MACHINES

Your team has been provided with **6 machines, plus the MapBox VM**. You will need to implement and/or configure services on some machines in your environment.

- Do not delete the provided machines.

- Do not alter anything within the Assume Breach Infrastructure, unless instructed to by Red or White team personnel.
- You may move and alter services within the Traditional Infrastructure, except for scored services, but “green03” and “test04” SSH and RDP users must remain intact with no configuration, permission, or password changes.
- The required services provided MUST be the services used for scoring purposes in the scoreboard on the machines provided.
- If you restore these machines from a backup, name them identically to how they were provided.

****YOU SHOULD NEVER NEED TO CONFIGURE ANY EXTERNAL AWS DNS ROUTING UTILIZING THE X.BLUEXXXX.CFC.LOCAL DOMAIN. THIS IS ALREADY CONFIGURED AT THE AWS LEVEL AND DOES NOT NEED TO BE MODIFIED.***

TRADITIONAL INFRASTRUCTURE

TASK BOX – WINDOWS SERVER 2022 (10.0.X.144)

Local Credentials (RDP) – **blueteam : BlueTeam2024!**

PUBLIC DB – OPENSUSE 15 (10.0.X.143)

Local Credentials (SSH) – **blueteam : BlueTeam2024!**

AD/DNS – WINDOWS SERVER 2019 (10.0.X.145)

Local Credentials (SSH) – **blueteam : BlueTeam2024!**

ASSUME BREACH INFRASTRUCTURE

WEB SERVER - CENTOS7 (10.0.X.142)

Local Credentials (SSH) – **blueteam : BlueTeam2024!**

CNC – WINDOW SERVER 2016 (10.0.X.141)

Local Credentials (RDP) – **blueteam : BlueTeam2024!**

PLC – UBUNTU 22.04 (10.0.X.140)

Local Credentials (SSH) – **blueteam : BlueTeam2024!**