**BeamLight\_Bootcamp**

**Lab1:**

**Launch an Amazon EC2 Linux instance:**

* Choose the latest Amazon Linux 2 AMI. free tier
* Select Amazon Linux
* Select Amazon Linux 2023 AMI – free tier eligible
* Select the t2.micro instance type.
* Key pair – Create new key pair

Screens screenshot of a computer

Description automatically generated with low confidence

Key pair name – key1 or my-key

* Select create key pair
* Download key pair
* Add a security group rule to allow incoming traffic on port 80 (HTTP) and 22 (SSH) from any IP address (0.0.0.0/0).
* A screenshot of a computer

  Description automatically generated with medium confidence
* Select Launch Instance
* Select Your instance – Copy public IPv4 address
* Connect to the instance using the key pair (.pem file) and an SSH client.
* Open CMD or Terminal(macUser)
* Use the command to connect - ssh -i path/to/your/keypair.pem ec2-user@yourpublicipaddress

Note: macusers use sudo then the command.

i.e - ssh -i C:\Users\raiha\Documents\BeamLight-BootCamp\lab\key1.pem [ec2-user@18.220.140.245](mailto:ec2-user@18.220.140.245)

* After connecting to instance, follow the command below to install webserver
* sudo yum update -y
* sudo yum install -y httpd
* sudo systemctl start httpd
* sudo systemctl enable httpd
* sudo su
* ls -ld /var/www/html
* mkdir -p /var/www/html
* chown apache:apache /var/www/html
* chmod 755 /var/www/html
* sudo nano /var/www/html/index.html
* Enter text to the file - "<h1>Welcome to my AWS EC2 web server!</h1>"
* Save the file
* Check if you’re able to deploy the website - http://yourpublicip/