# Launching an EC2 instance with web server.

Log into your AWS management console, search for EC2 and click on it.

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You should see something as below.

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Click on Instances(running) section and it will show you the below screen.

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Click on Launch instances button here and provide a name to your instance.

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To generate a key pair for this EC2 instance click on Create a new key pair button.

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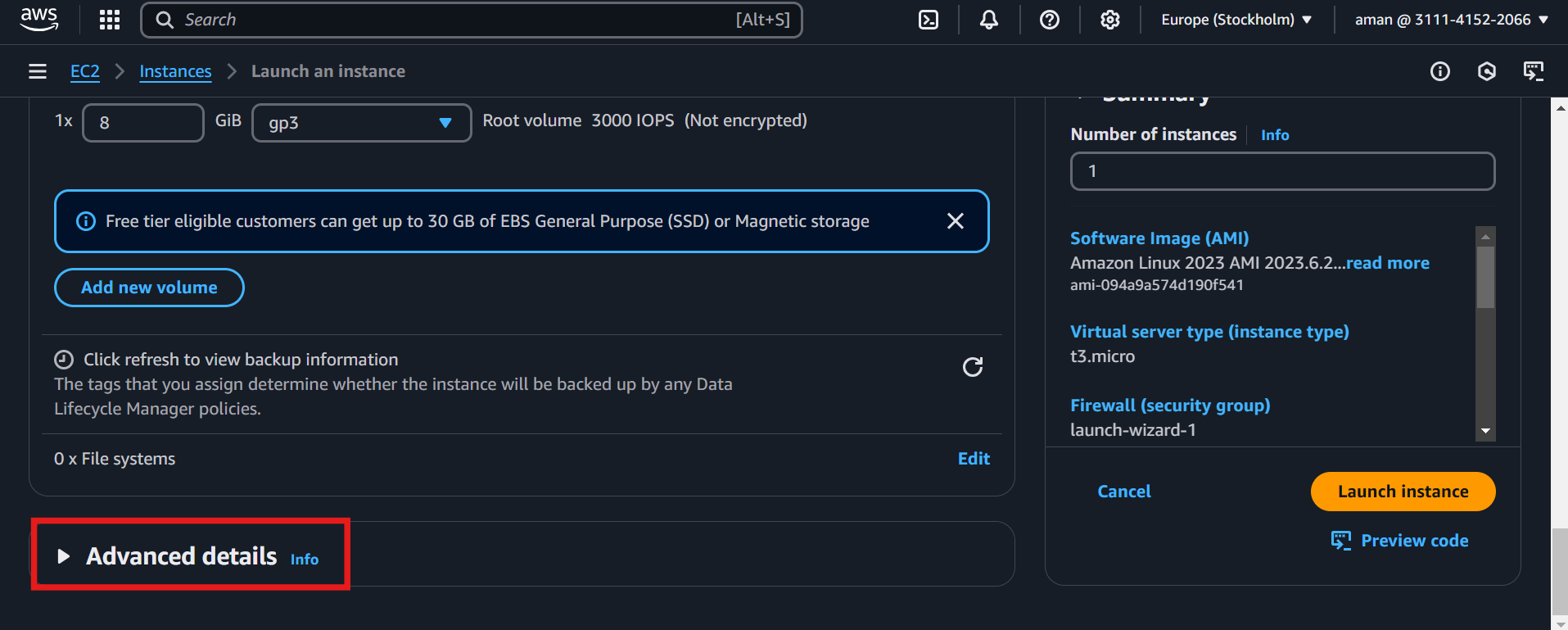
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Give a name to your key-pair and choose RSA as the key-pair type, for now we will choose. ppk as the key-pair file format. After you’re done choosing the details click on the create key-pair button.

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Expand the advanced details section and go to the user data field.



Paste the following code into the user data field --->

***#!/bin/bash***

***yum update -y***

***yum install -y httpd***

***systemctl start httpd***

***systemctl enable httpd***

***echo "<h1>Hello World from $(hostname -f)</h1>" > /var/www/html/index.html***

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Click on launch instance and come back to the instances screen. You should see the below instance created and running.

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Copy the Public IPv4 address of your EC2 instance and then paste it in your preferred browser with ***http.//*** as prefix. You should be able to see the below webpage confirming that you have successfully configured a web server on your EC2 instance. Cheers!!!

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# Several ways to connect to OS level of the EC2 instance.

## SSH into EC2 instance.

Download a Putty client through ***putty.org*** website.

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After clicking download putty download any of the installers and install it.

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Grab the public IPv4 address of your EC2 instance. A screenshot of a computer

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Ec2-user is the default user created for an EC2 instance. Paste the IP address as shown below (ec2-user@<IP address>) in the destination field. You can also save this instance by providing a session name and hitting save.

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Expand SSH section and then expand Auth section, browse and place the .ppk file generated and click open.

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Et voila!!!! You are in the OS level of your EC2 instance. Pat yourself on the back.A screenshot of a computer

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# Other ways to access EC2.

Select your EC2 instance and click on Connect button.

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In the EC2 Instance Connect section click on connect.

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Aren’t you proud of yourself. You’ve learnt another way to connect to your EC2.

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In the connect to instance section click on EC2 serial console and click connect.

Note: If you run into any access issue, click on manage access and select allow. That should get you to the connect button.

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You’re on a roll. You’ve learnt another way to get access to your EC2 instance.

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