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Task: Launch one T2 micro type windows server instance on AWS. Configure an IIS server with default web page.

Steps: 1. Choose Windows Server AMI

The screenshot shows the AWS Management Console interface for the 'Launch instance wizard'. The browser address bar indicates the URL is `us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#LaunchInstanceWizard`. The console header shows the user is logged in as 'Rushikesh9096' in the 'Oregon' region. The wizard progress bar indicates the current step is '1. Choose AMI'.

Step 1: Choose an Amazon Machine Image (AMI)
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Search for an AMI by entering a search term e.g. "Windows"

Quick Start | 1 to 40 of 40 AMIs

AMI	Description	Root device type	Virtualization type	ENA Enabled	Architecture
Amazon Linux 2 AMI (HVM, SSD Volume Type) - ami-0b1e2eeb33ce3d66f (64-bit x86) / ami-0e98bc71bf951fb8e (64-bit Arm)	Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras.	ebs	hvm	Yes	64-bit (x86) / 64-bit (Arm)
Amazon Linux AMI 2018.03.0 (HVM, SSD Volume Type) - ami-0a243dbef00e96192	The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.	ebs	hvm	Yes	64-bit (x86)
Red Hat Enterprise Linux 8 (HVM, SSD Volume Type) - ami-02f147dfb8be58a10 (64-bit x86) / ami-04b741928ba3831b2 (64-bit Arm)	Red Hat Enterprise Linux version 8 (HVM). EBS General Purpose (SSD) Volume Type	ebs	hvm	Yes	64-bit (x86) / 64-bit (Arm)

The bottom of the screenshot shows the Windows taskbar with the date 7/15/2020 and the time 2:58 PM.

2. Choose the Instance Type

Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All Instance types Current generation Show/Hide Columns

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t2.2xlarge	8	32	EBS only	-	Moderate	Yes

Cancel Previous **Review and Launch** Next: Configure Instance Details

3. Configure Security Group and click on add rule and add http and https

Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: ☒ Create a new security group
☐ Select an existing security group

Security group name: launch-wizard-1
Description: launch-wizard-1 created 2020-07-15T15:01:34.216+05:30

Type	Protocol	Port Range	Source	Description
RDP	TCP	3389	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop
HTTP	TCP	80	Custom 0.0.0.0/0 ::0	e.g. SSH for Admin Desktop
HTTPS	TCP	443	Custom 0.0.0.0/0 ::0	e.g. SSH for Admin Desktop

Add Rule

Warning
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Cancel Previous **Review and Launch**

4. Launch the Instance

The screenshot shows the AWS Management Console interface. The left sidebar contains navigation links for EC2 Dashboard, Events, Tags, Limits, Instances, Images, and Elastic Block Store. The main content area displays a table of EC2 instances. One instance is listed with the following details:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6
	i-0f30b9db1861d6e22	t2.micro	us-west-2c	pending	Initializing	None	ec2-34-221-240-172.us-west-2.compute.amazonaws.com	34.221.240.172	-

Below the table, the instance details for **i-0f30b9db1861d6e22** are shown. The instance is in a **pending** state. The public DNS is **ec2-34-221-240-172.us-west-2.compute.amazonaws.com** and the IPv4 public IP is **34.221.240.172**.

5. go to actions and choose get windows password

The screenshot shows the AWS Management Console interface. The left sidebar contains navigation links for EC2 Dashboard, Events, Tags, Limits, Instances, Images, and Elastic Block Store. The main content area displays a table of EC2 instances. One instance is listed with the following details:

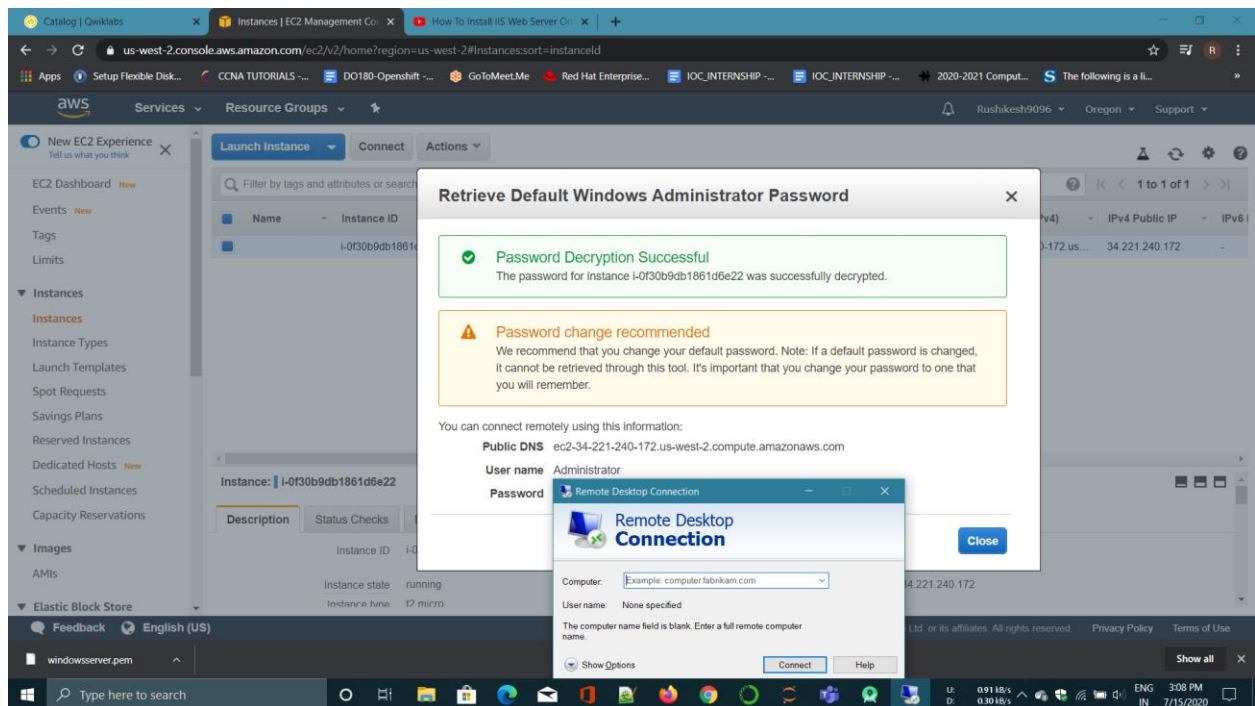
Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6
	i-0f30b9db1861d6e22	t2.micro	us-west-2c	running	Initializing	None	ec2-34-221-240-172.us-west-2.compute.amazonaws.com	34.221.240.172	-

Below the table, the instance details for **i-0f30b9db1861d6e22** are shown. The instance is in a **running** state. The public DNS is **ec2-34-221-240-172.us-west-2.compute.amazonaws.com** and the IPv4 public IP is **34.221.240.172**.

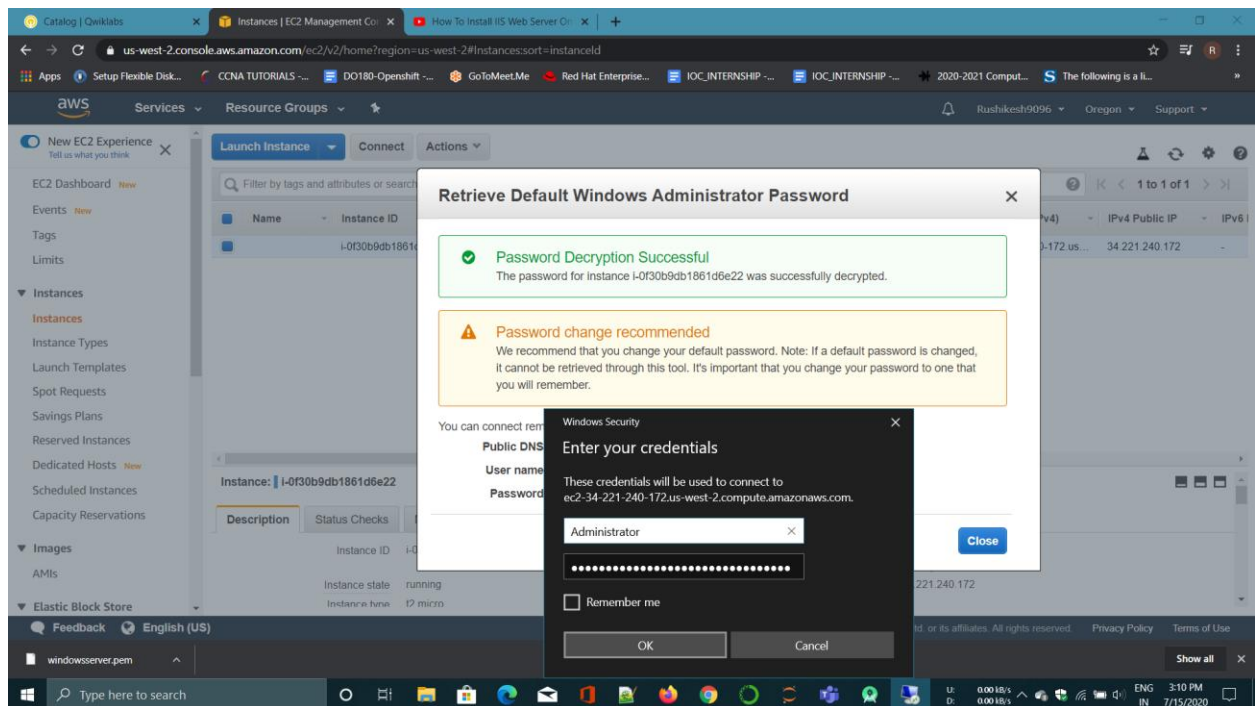
The **Actions** menu is open, showing the following options:

- Connect
- Get Windows Password
- Create Template From Instance
- Launch More Like This
- Instance State
- Instance Settings
- Image
- Networking
- CloudWatch Monitoring

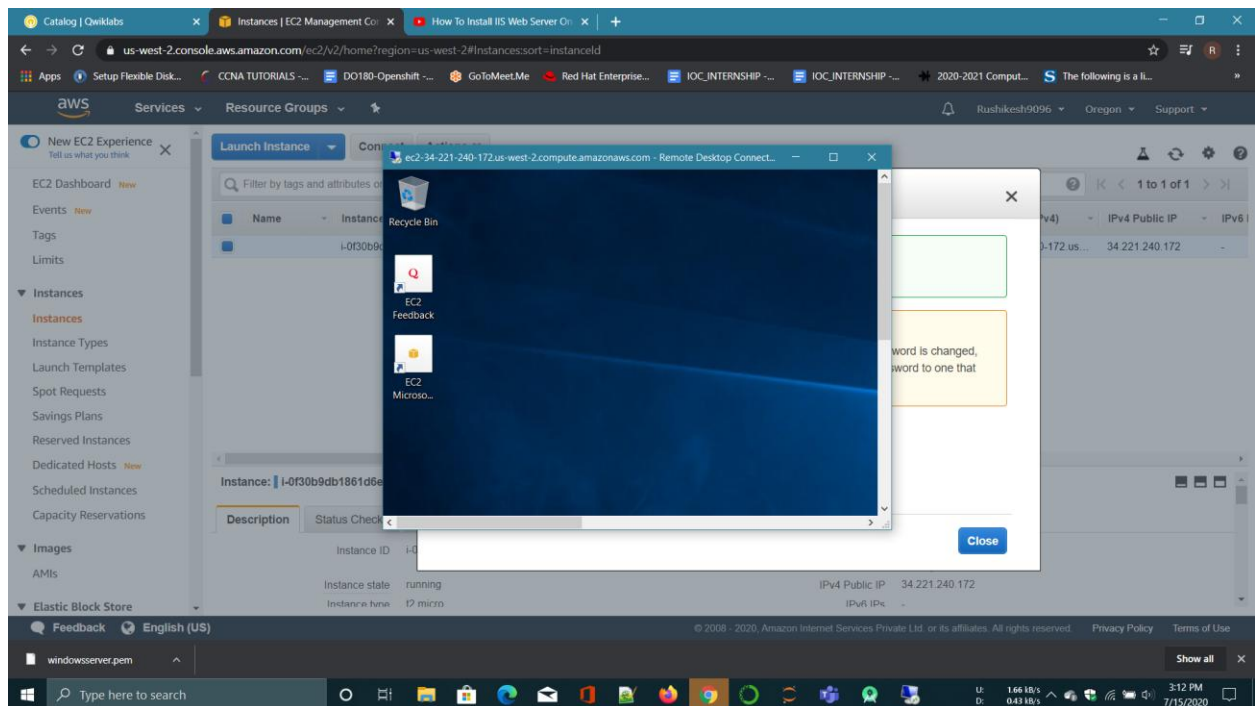
6. Open remote desktop connection and paste the public dns into computer



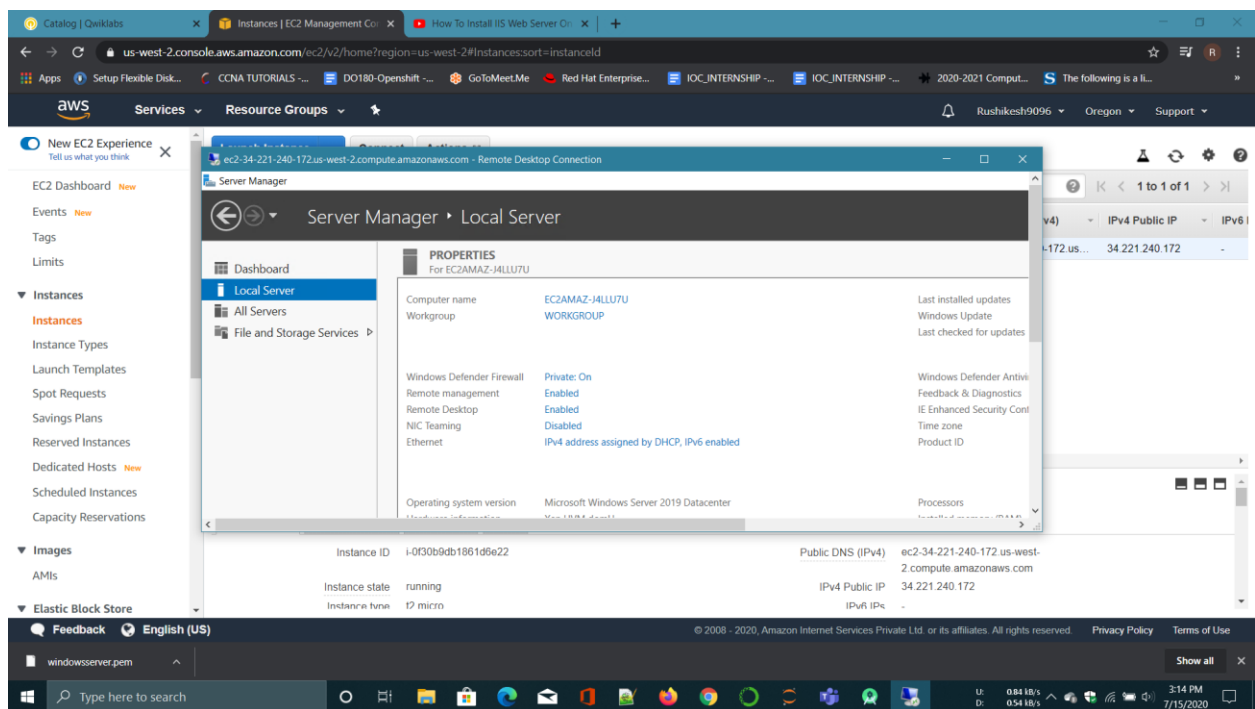
7. Paste username and password



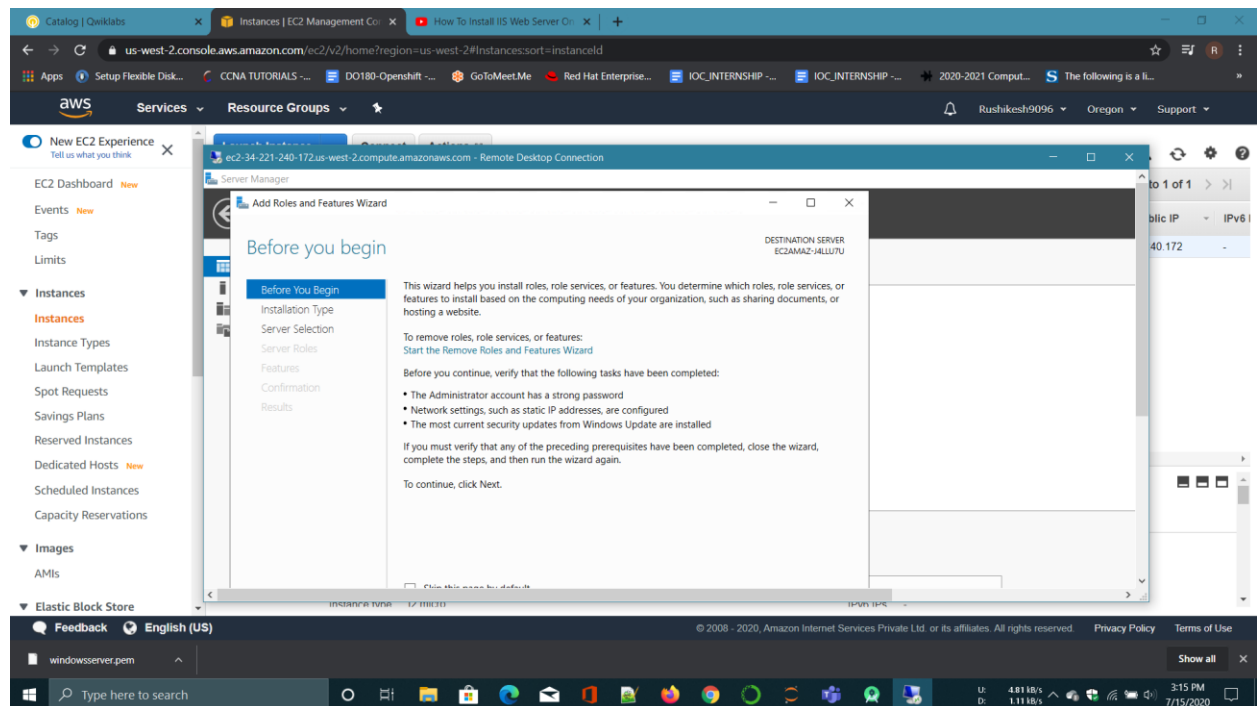
8. Windows server is started



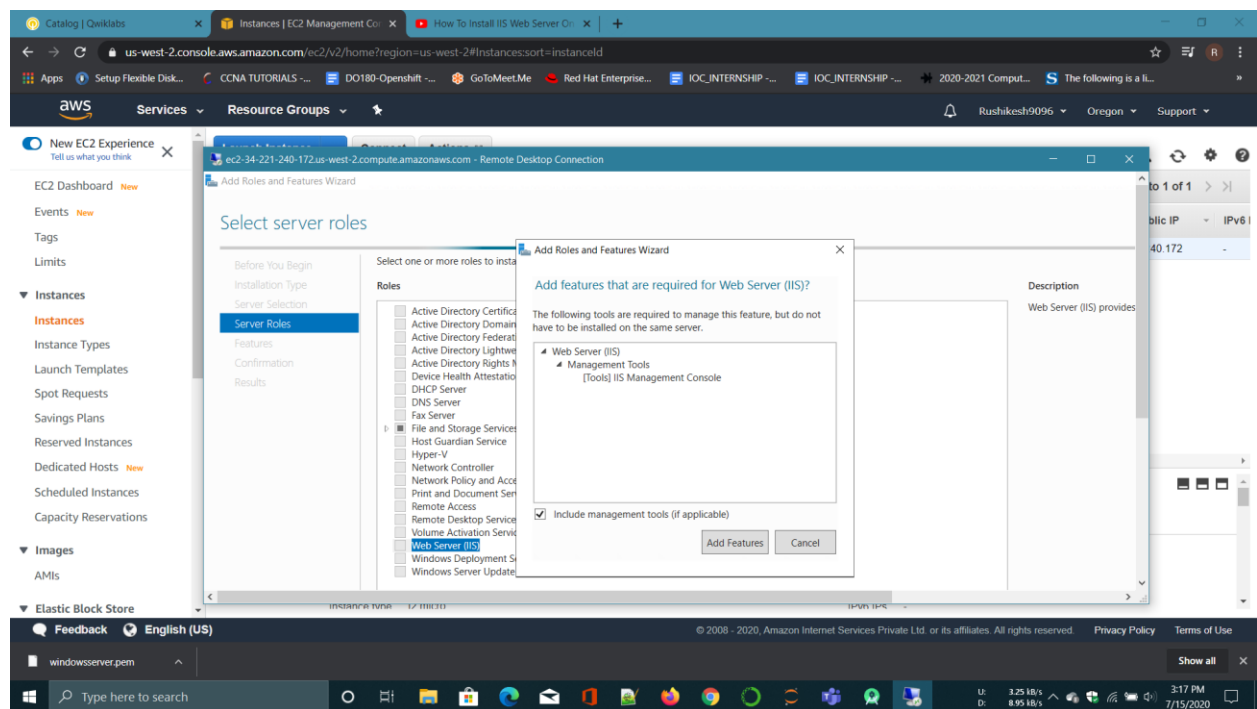
9. open server manager



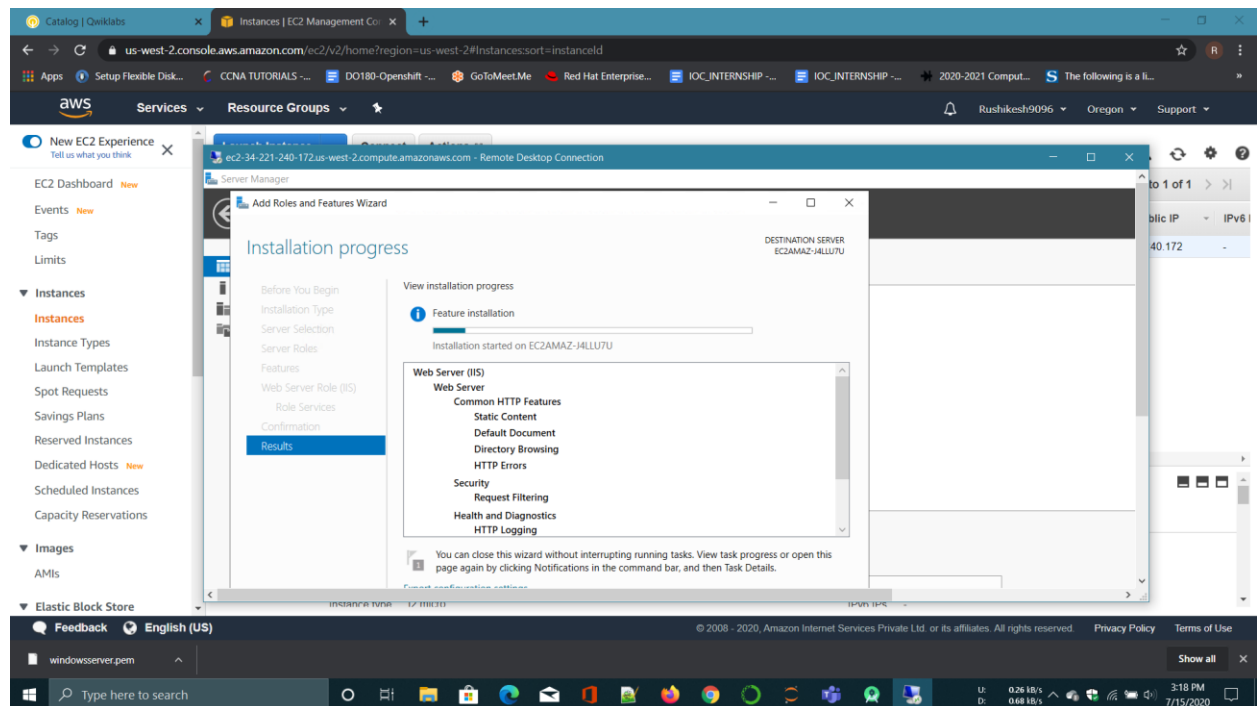
10. click on Add Rules



11. select IIS server



12. Click on Install



13. open explorer and type localhost IIS server opens and configure it

