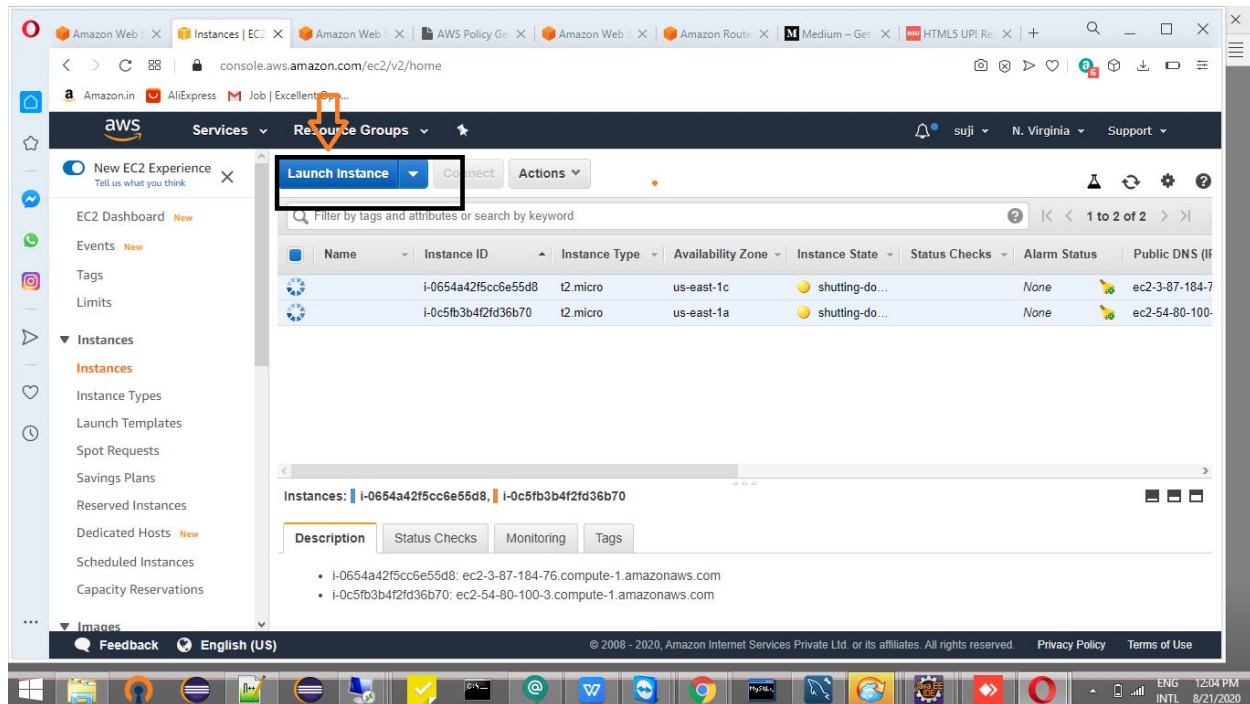


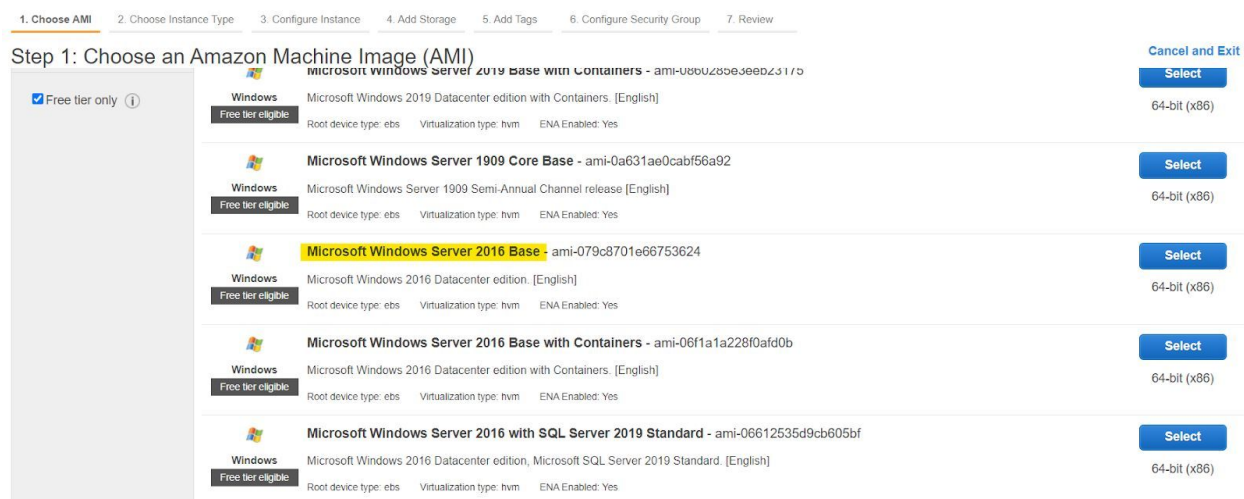
# Deploying a Web server in windows instance :

STEP 1: AWS Console → EC2 → instance → Launch instance



## STEP 2

Under free tier section choose windows 2016 base AMI



## STEP 3

### 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](#)

Select t2 micro instance type and move to next step

## STEP 4

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

### Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

**Number of instances** 1 [Launch into Auto Scaling Group](#)

**Purchasing option** ☐ Request Spot instances

**Network** vpc-0f4be864 (default) [Create new VPC](#)

**Subnet** No preference (default subnet in any Availability Zone) [Create new subnet](#)

**Auto-assign Public IP** Use subnet setting (Enable)

**Placement group** ☐ Add instance to placement group

**Capacity Reservation** Open

**Domain join directory** No directory [Create new directory](#)

**IAM role** None [Create new IAM role](#)

**Shutdown behavior** Stop

**Stop - Hibernate behavior** ☐ Enable hibernation as an additional stop behavior

**Enable termination protection** ☐ Protect against accidental termination

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Storage](#)

Choosing number of instance and hard disk space  
Also selecting firewall rule for the instance

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

#### Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type ⓘ	Device ⓘ	Snapshot ⓘ	Size (GiB) ⓘ	Volume Type ⓘ	IOPS ⓘ	Throughput (MB/s) ⓘ	Delete on Termination ⓘ	Encryption ⓘ
Root	/dev/sda1	snap-048535c56ee6c96e5	30	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

Add New Volume

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

Cancel Previous **Review and Launch** Next: Add Tags

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

#### 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, 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 2020-08-16T23:33:47.661+05:30

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ	Description
All traffic	All	0 - 65535	Custom 0.0.0.0/0	e.g. SSH for Linux

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.

## STEP 5

create a new key pair for authenticity of instance → Key pair name  
→Download

aws Services Resource Groups

Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

**Improve your instances' security.** Your instances may be accessible from any IP address. You can also open additional ports in your security groups.

AMI Details: Microsoft Windows Server 2016 Base-Image

Instance Type: t2.micro

Security Groups

**Select an existing key pair or create a new key pair**

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about removing existing key pairs from a public AMI.

☒ Create a new key pair

Key pair name: windows\_Key

Download Key Pair

You have to download the **private key file** (\*.pem file) before you can continue. **Store it in a secure and accessible location.** You will not be able to download the file again after it's created.

Cancel **Launch Instances**

Feedback English (US)

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windows\_Key.pem Show all

## STEP 6

Connect → Get password

The screenshot displays the AWS Management Console interface. The top navigation bar shows the user is logged in as 'suji' in the 'N. Virginia' region. The left sidebar contains navigation links for 'New EC2 Experience', 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Scheduled Instances', 'Capacity Reservations', 'Images', and 'AMI's'. The main content area shows a list of instances. The instance 'i-0a903197731aa69fb' is selected, and the 'Connect' dropdown menu is open, showing options: 'Connect', 'Get Windows Password', 'Create Template From Instance', 'Launch More Like This', 'Instance State', 'Instance Settings', 'Image', 'Networking', and 'CloudWatch Monitoring'. Below the instance list, the details for the selected instance are shown, including the 'Description' tab, 'Instance ID', 'Public DNS (IPv4)', 'Instance state', and 'IPv4 Public IP'. A dialog box titled 'Connect to your instance > Get Password' is open in the foreground. It shows the 'Connection method' as 'A standalone RDP client' and the 'Key Name' as 'project1key.pem'. The 'Key Pair Path' is set to 'project1key.pem'. The dialog box also displays the private key content, which is a long string of characters starting with '-----BEGIN RSA PRIVATE KEY-----'. The 'Decrypt Password' button is visible at the bottom of the dialog box.

Connect to your instance > Get Password

Connection method ☒ A standalone RDP client <sup>(i)</sup>  
☐ Session Manager <sup>(i)</sup>

The following Key Pair was associated with this instance when it was created.

Key Name project1key.pem

In order to retrieve your password you will need to specify the path of this Key Pair on your local machine:

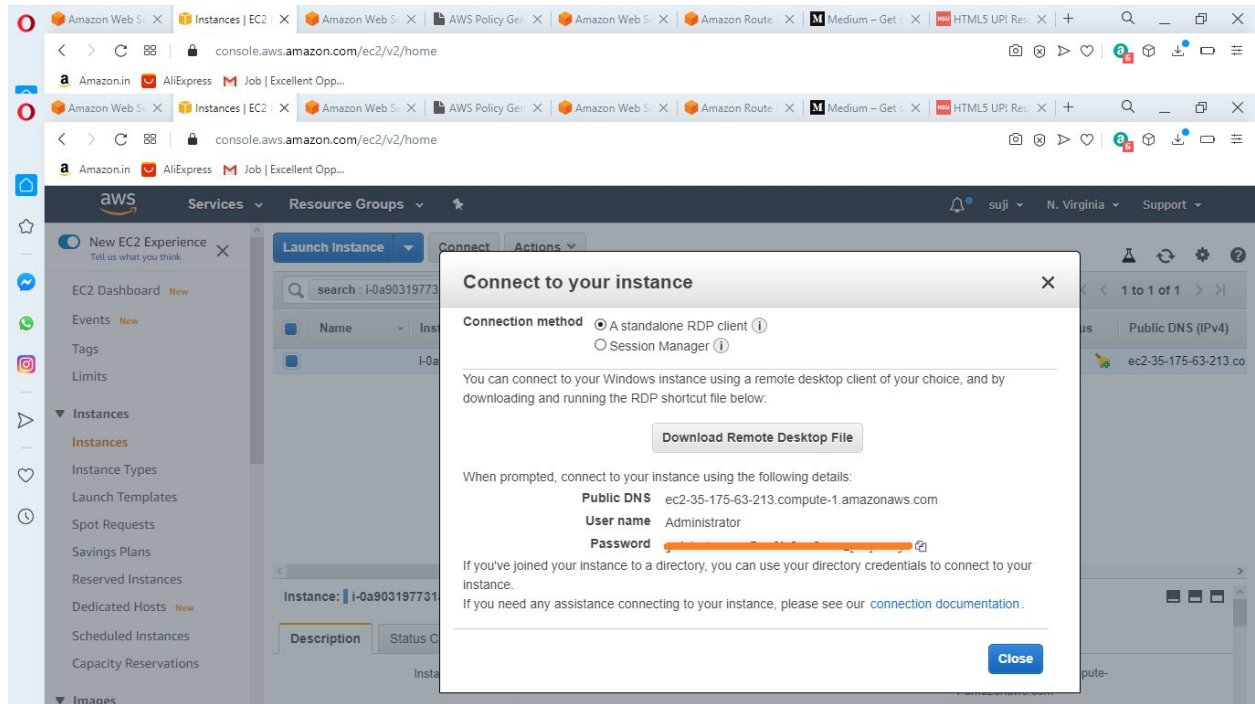
Key Pair Path  project1key.pem

Or you can copy and paste the contents of the Key Pair below:

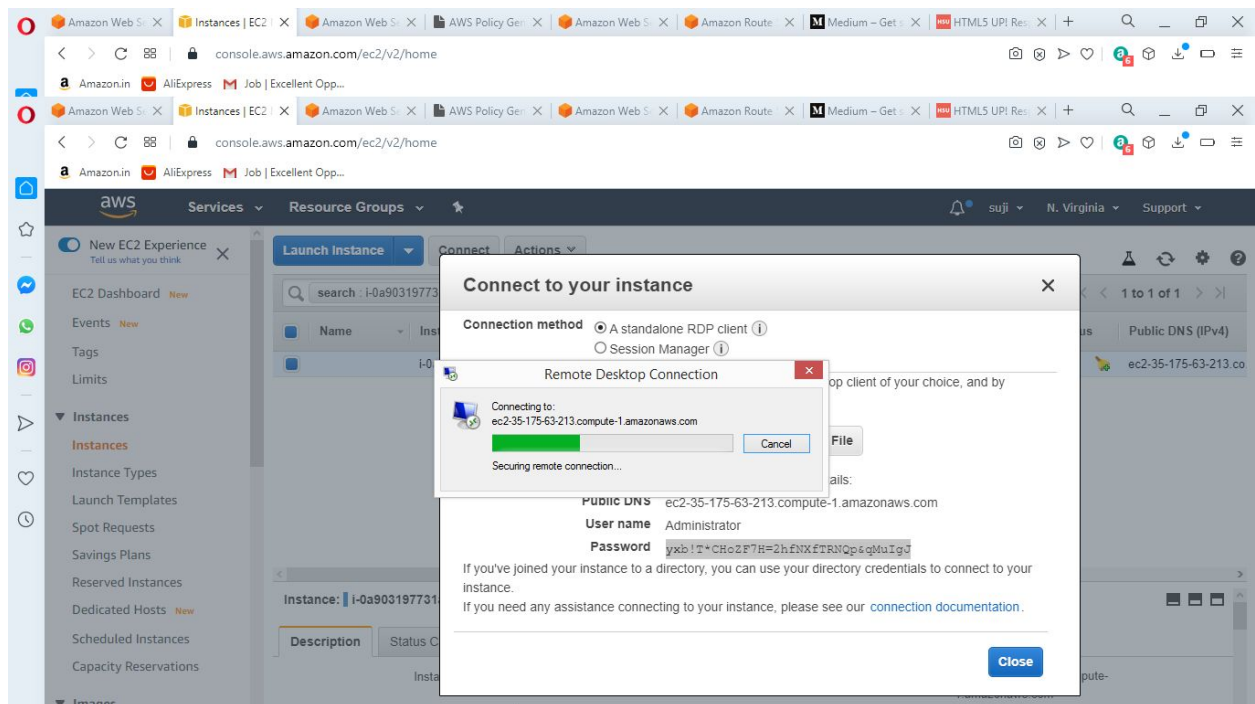
```
-----BEGIN RSA PRIVATE KEY-----
MIIEogIBAAKCAQEAoV0j89PsX15681YJBZMOOKLDyopeLxGzBgJ0eHqgkaPFyEwpA58dtMib9OK
A19LXbBBvRMSQp7oi2NT+Ipo7qQ7HlUd5oUBFCIH4grv+hnZIS+YfxxYbur0uAdcl8P4Girk6G5
9SSH2e41S66cJFd5sXqEHcUSH0uZH5uDCElYGr8y0awT18MscWYUGRXTXgWU/1L5Mb7T4LkK9F
PDhpln5EFeyu4F/XDq7Tic/tghbr+V65bmAQNIvqUIf7gd7E3Mid74c4wnRV0RHbXelIT2dSqup
-----
```



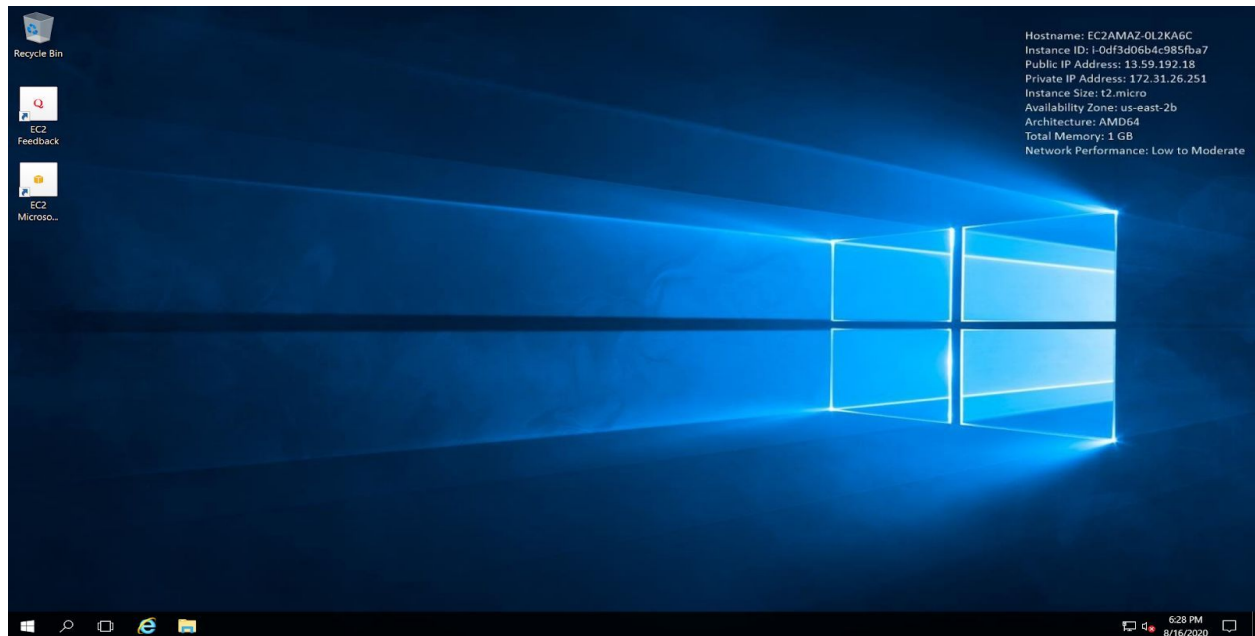
## STEP 7



This password will be used to login admin user inside windows instance



## STEP 8:

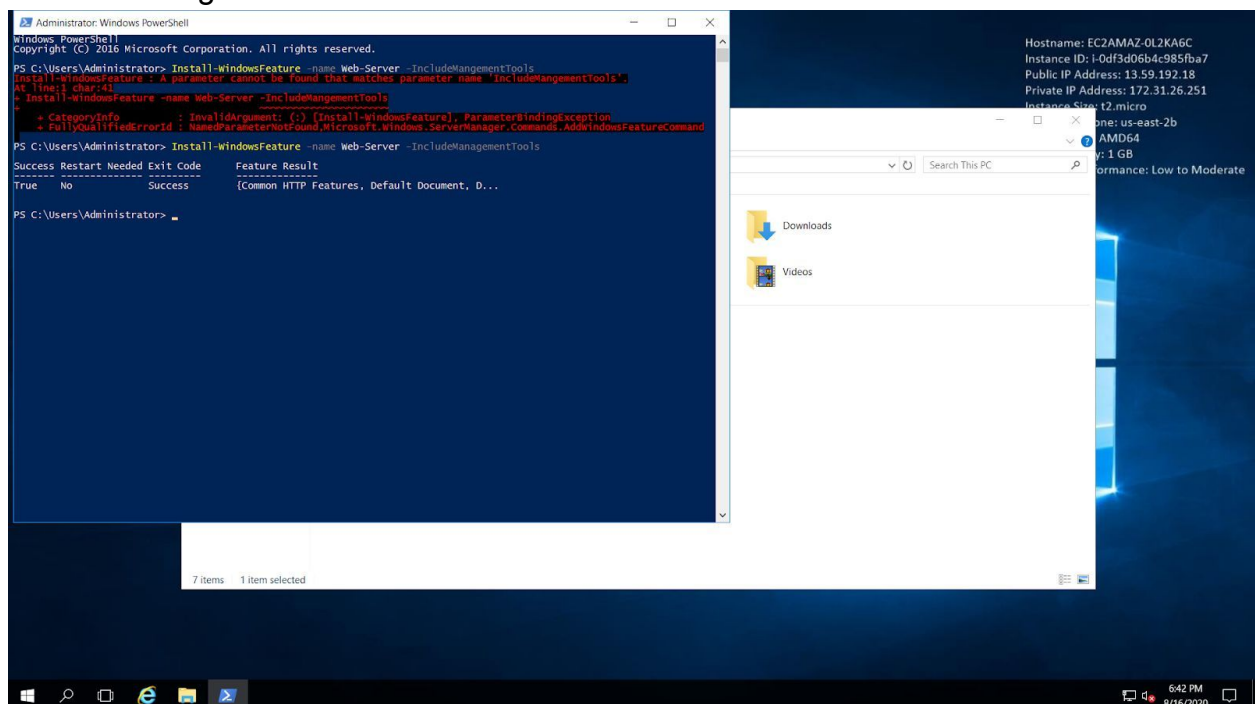


## LAUNCHING WEB SERVER :

### STEP 1:

Installing IIS web server using command line shell (windows power shell)

Command to be run :`Install-WindowsFeature -name Web-Server -IncludeManagementTools`



## STEP 2:

After installation web server will be deployed and can be viewed by public

