

Launch instance wizard | EC2 Ma

ap-southeast-1.console.aws.amazon.com/ec2/v2/home?region=ap-southeast-1#LaunchInstanceWizard:

ServicesResource Groups

ganesh @ 7364-1243-1790SingaporeSupport

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. Review

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 typesCurrent generationShow/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 (GiB) | 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 |
| <input type="checkbox"/> | General purpose | t2.xxxx | 2 | 0.5 | EBS only | Yes | Up to 5 Gbps | Yes |

CancelPreviousReview and LaunchNext: Configure Instance Details

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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 instances1Launch into Auto Scaling Group

Purchasing option☐ Request Spot instances

Networkvpc-1a8e817d (default)Create new VPC

SubnetNo preference (default subnet in any Availability Zone)Create new subnet

Auto-assign Public IPUse subnet setting (Enable)

Auto-assign Carrier IPNone

Placement group☐ Add instance to placement group

Capacity ReservationOpen

Domain join directoryNo directoryCreate new directory

IAM roleNoneCreate new IAM role

For domain join to succeed, select an IAM role that has the AWS managed policies AmazonSSMManagedInstanceCore and AmazonSSMDirectoryServiceAccess attached to it. [Learn more](#)

Shutdown behaviorStop

CancelPreviousReview and LaunchNext: Add Storage

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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-04af761868a93e512 | 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.

CancelPreviousReview and LaunchNext: Add Tags

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Step 5: Add Tags

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.
A copy of a tag can be applied to volumes, instances or both.
Tags will be applied to all instances and volumes. [Learn more](#) about tagging your Amazon EC2 resources.

| Key | Value | Instances | Volumes |
|---------|---------|-------------------------------------|-------------------------------------|
| Name | awstrng | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Project | trng | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Add another tag (Up to 50 tags maximum)

CancelPreviousReview and LaunchNext: Configure Security Group

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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:

Description:

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

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.

CancelPreviousReview and Launch

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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 security group, launch-wizard-1, is open to the world.

Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only. You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

AMI Details

Microsoft Windows Server 2019 Base - ami-0347ec7904d48c572

Free tier eligible

Microsoft Windows 2019 Datacenter edition, [English]

Root Device Type: ebs Virtualization type: hvm

If you plan to use this AMI for an application that benefits from Microsoft License Mobility, fill out the [License Mobility Form](#). Don't show me this again

Instance Type

| Instance Type | ECUs | vCPUs | Memory (GiB) | Instance Storage (GB) | EBS-Optimized Available | Network Performance |
|---------------|----------|-------|--------------|-----------------------|-------------------------|---------------------|
| t2.micro | Variable | 1 | 1 | EBS only | - | Low to Moderate |

Security Groups

Security group name

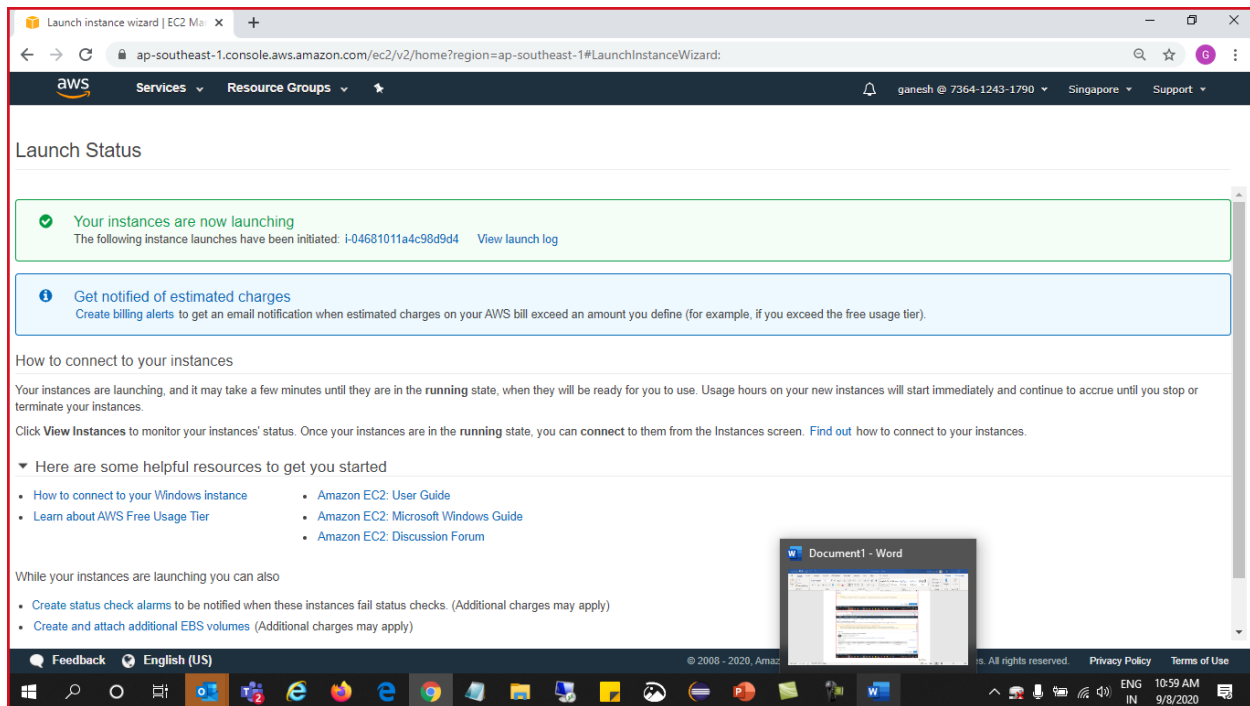
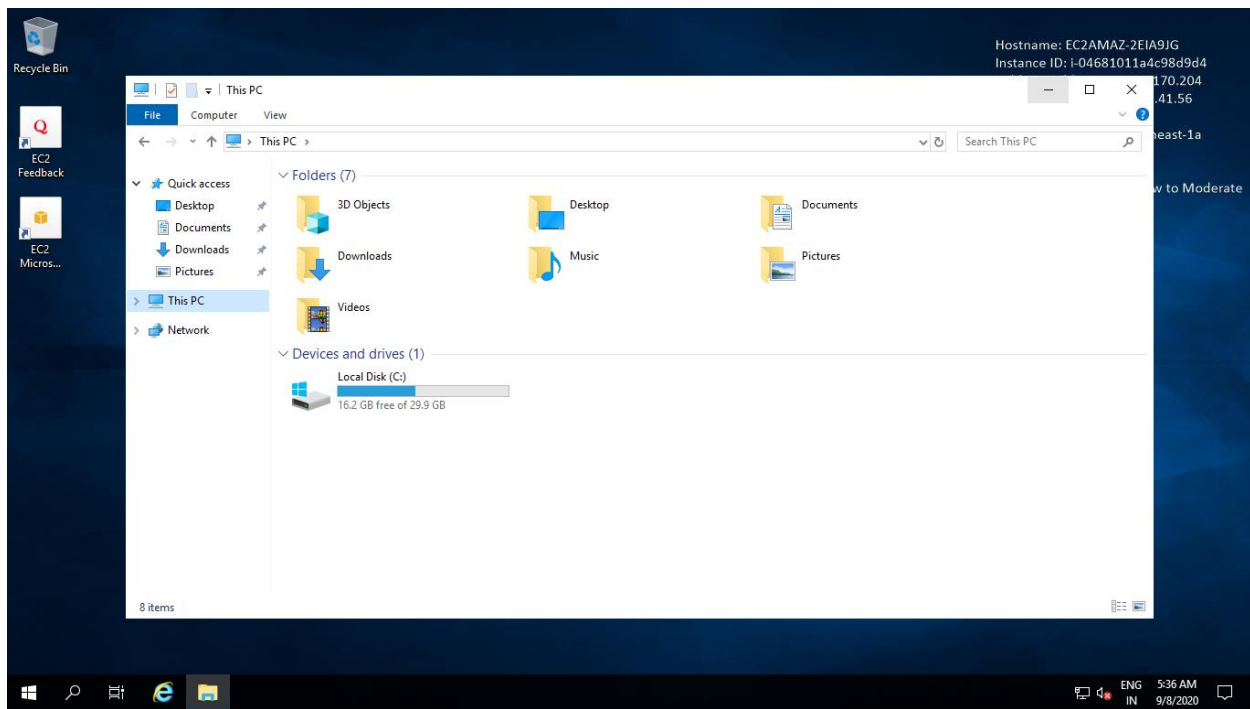
launch-wizard-1

CancelPreviousLaunch

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Connect the VM using Windows Remote Desktop

Instances | EC2 Management Console

ap-southeast-1.console.aws.amazon.com/ec2/v2/home?region=ap-southeast-1#Instances:sort=instanceState

Services Resource Groups

Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

| Name | Instance ID | Instance Type | Availability Zone | Instance State | Status Checks | Alarm Status | Public DNS (IPv4) | IPv4 Public IP |
|----------|---------------------|---------------|-------------------|----------------|----------------|--------------|--------------------------|----------------|
| awstring | i-04681011a4c98d9d4 | t2.micro | ap-southeast-1a | running | 2/2 checks ... | None | ec2-13-228-170-204 ap... | 13.228.170.204 |

Description Status Checks Monitoring Tags

Instance ID i-04681011a4c98d9d4 Public DNS (IPv4) ec2-13-228-170-204.ap-southeast-1.compute.amazonaws.com

Instance state running IPv4 Public IP 13.228.170.204

Instance type t2.micro IPv6 IPs -

Finding Opt-in to AWS Compute Optimizer for recommendations. [Learn more](#) Elastic IPs

Private DNS ip-172-31-41-56.ap-southeast-1.compute.internal Availability zone ap-southeast-1a

Private IPs 172.31.41.56 Security groups [launch-wizard-1](#), [view inbound rules](#), [view outbound rules](#)

Scheduled events No scheduled events

AMI ID Windows_Server-2019-English-Full-Base-2020.08.12 (ami-0347ec7904d48c572)

Secondary private IPs VPC ID vpc-1a9e817d

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Instances | EC2 Management Console

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Services Resource Groups

Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

| Name | Instance ID |
|----------|---------------------|
| awstring | i-04681011a4c98d9d4 |

Description Status Checks

Instance ID i-04681011a4c98d9d4

Instance state running

Instance type t2.micro

Finding Opt-in to AWS Compute Optimizer for recommendations. [Learn more](#)

Private DNS ip-172-31-41-56.ap-southeast-1.compute.internal

Private IPs 172.31.41.56

Scheduled events No scheduled events

AMI ID Windows_Server-2019-English-Full-Base-2020.08.12 (ami-0347ec7904d48c572)

Secondary private IPs VPC ID vpc-1a9e817d

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Retrieve Default Windows Administrator Password

To access this instance remotely (e.g. Remote Desktop Connection), you will need your Windows Administrator password. A default password was created when the instance was launched and is available encrypted in the system log.

To decrypt your password, you will need your key pair for this instance. Browse to your key pair, or copy and paste the contents of your private key file into the text area below, then click Decrypt Password.

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

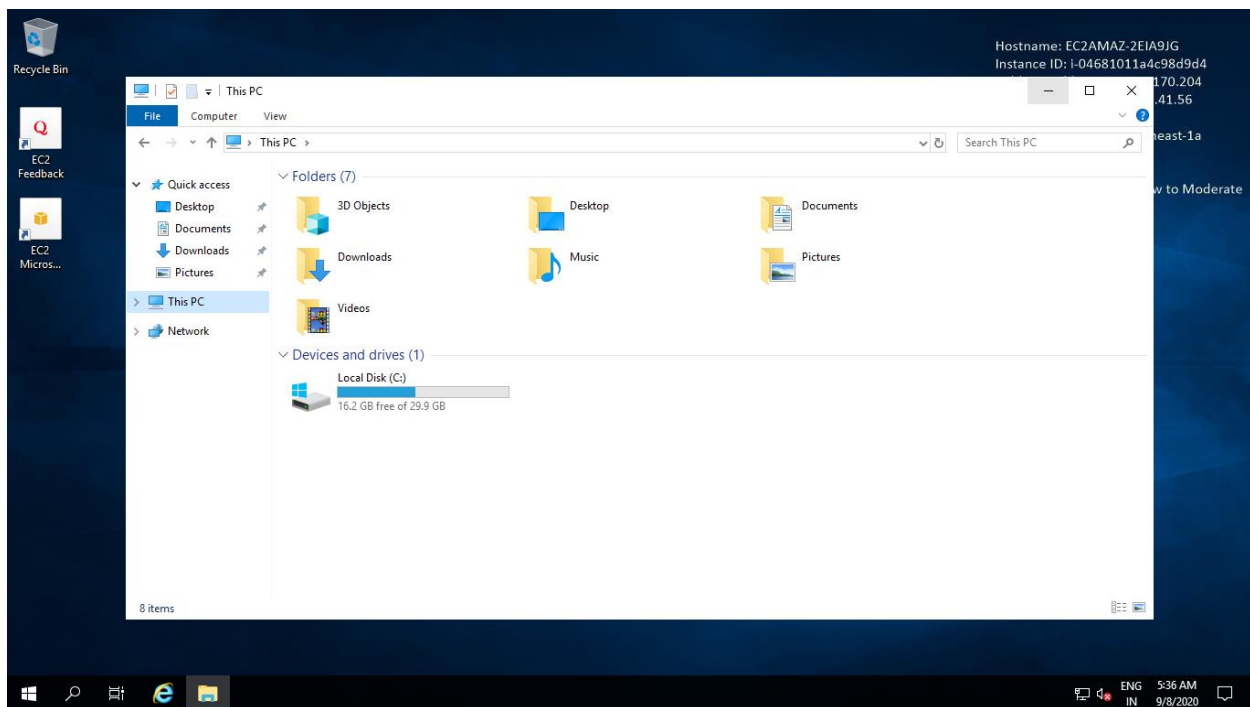
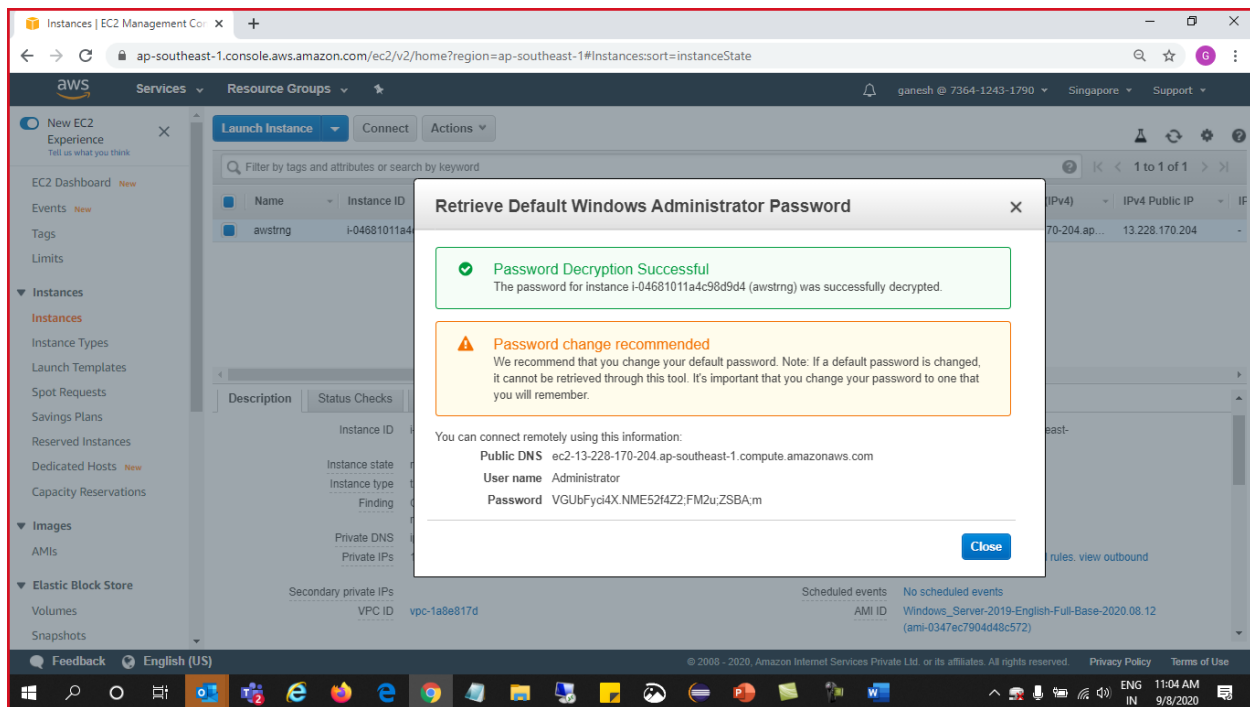
Key Name sep2020

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

Key Pair Path sep2020.pem

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

```
-----BEGIN RSA PRIVATE KEY-----
MIIEowIBAAKCAQEAx389iFMRFPcAgvFQSiCn6HwemShIPXZSWNyRDj3CelgDUs
SMIF/EmPGp+9AGepbTsmTumary7KukBM/aC9YseE3KcPli2kFZVLCHuOg/GGp
APGN5Em7F75XEuODdUisMUW53y1v488X9m4o3Td7IHd0yUGOGNYkKhOTJl1h
qgzMptEZ+pLXC53cOHB/NbPRUV8uH+ro2nx1OTpZPPItoHaFHOVA06S4DwZh23y+6
DteDntqKaz5vyXxQihUadP5dDwF73/G6M+YIBpNVDjnHbKz1PGIAIRZQB6z2Kh
-----END RSA PRIVATE KEY-----
```



Instances | EC2 Management Console

ap-southeast-1.console.aws.amazon.com/ec2/v2/home?region=ap-southeast-1#Instances:sort=instanceState

Services Resource Groups

Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

| Name | Instance ID | Instance Type | Availability Zone | Instance State | Status Checks | Alarm Status | Public DNS (IPv4) | IPv4 Public IP |
|---------|---------------------|---------------|-------------------|----------------|----------------|--------------|---|----------------|
| awstrng | i-04681011a4c98d9d4 | t2.micro | ap-southeast-1a | running | 2/2 checks ... | None | ec2-13-228-170-204.ap-southeast-1.compute.amazonaws.com | 13.228.170.204 |

Description Status Checks Monitoring Tags

Instance ID i-04681011a4c98d9d4 Public DNS (IPv4) ec2-13-228-170-204.ap-southeast-1.compute.amazonaws.com

Instance state running IPv4 Public IP 13.228.170.204

Instance type t2.micro IPv6 IPs -

Finding Opt-in to AWS Compute Optimizer for recommendations [Learn more](#) Elastic IPs

Private DNS Ip-172-31-41-56.ap-southeast-1.compute.internal Availability zone ap-southeast-1a

Private IPs 172.31.41.56 Security groups [launch-wizard-1](#), [view inbound rules](#), [view outbound rules](#)

Scheduled events No scheduled events

Secondary private IPs VPC ID vpc-1a9e817d AMI ID Windows_Server-2019-English-Full-Base-2020.08.12 (ami-0347ec7904d48c572)

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Volumes | EC2 Management Console

ap-southeast-1.console.aws.amazon.com/ec2/v2/home?region=ap-southeast-1#Volumes:sort=descCreateTime

Services Resource Groups

Create Volume Actions

Filter by tags and attributes or search by keyword

| Name | Volume ID | Size | Volume Type | IOPS | Snapshot | Created | Availability Zone | State | Alarm |
|---------|-----------------------|--------|-------------|------|---------------|-------------------|-------------------|--------|-------|
| awstrng | vol-000699b14a615acb5 | 30 GiB | gp2 | 100 | snap-07b75109 | September 8, 2020 | ap-southeast-1a | in-use | None |

Volumes: | vol-000699b14a615acb5 (awstrng)

Description Status Checks Monitoring Tags

Volume ID vol-000699b14a615acb5 Outposts ARN -

Alarm status None Size 30 GiB

Snapshot snap-07b7510950bea9826 Created September 8, 2020 at 10:59:06 AM UTC+5:30

Availability Zone ap-southeast-1a State in-use

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Creating new Volume and attaching

Create Volume | EC2 Management Console | Instances | EC2 Management Console | +

ap-southeast-1.console.aws.amazon.com/ec2/v2/home?region=ap-southeast-1#CreateVolume:

Services Resource Groups

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Volumes > Create Volume

Create Volume

Volume Type: **General Purpose SSD (gp2)**

Size (GiB): **100** (Min: 1 GiB, Max: 16384 GiB)

IOPS: **300 / 3000** (Baseline of 3 IOPS per GiB with a minimum of 100 IOPS, burstable to 3000 IOPS)

Availability Zone*: **ap-southeast-1a**

Throughput (MB/s): **Not applicable**

Snapshot ID: **Select a snapshot**

Encryption: ☐ **Encrypt this volume**

Key (128 characters maximum) Value (256 characters maximum)

This resource currently has no tags
Choose the Add tag button or click to add a Name tag

Add Tag 50 remaining (Up to 50 tags maximum)

* Required

Cancel Create Volume

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Volumes | EC2 Management Console | Instances | EC2 Management Console | +

ap-southeast-1.console.aws.amazon.com/ec2/v2/home?region=ap-southeast-1#Volumes:sort=availabilityZone

Services Resource Groups

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Create Volume Actions

Filter by tags and attributes or search by keyword

| | Name | Volume ID | Size | Volume Type | IOPS | Snapshot | Created | Availability Zone | State |
|--|-------------|-----------------|---------|-------------|------|-----------------|-----------------------|-------------------|-----------|
| | awstrng | vol-000699b... | 30 GiB | gp2 | 100 | snap-07b7510... | September 8, 2020 ... | ap-southeast-1a | in-use |
| | extravolume | vol-005d10fc... | 100 GiB | gp2 | 300 | | September 8, 2020 ... | ap-southeast-1a | available |

Volumes: **vol-005d10fc555b4c3b0 (extravolume)**

Description Status Checks Monitoring Tags

| | | | |
|--------------|-----------------------|--------------|----------------------------------|
| Volume ID | vol-005d10fc555b4c3b0 | Outposts ARN | - |
| Alarm status | None | Size | 100 GiB |
| Snapshot | - | Created | September 8, 2020 at 11:10:04 AM |

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aws Volumes | EC2 Management Console

Services Resource Groups

Filter by tags and attributes or search by keyword

| Name | Volume ID | Size | Volume Type | IOPS | Snapshot | Created | Availability Zone | State |
|-------------|-----------------------|---------|-------------|------|-----------------|-----------------------|-------------------|-----------|
| awstrng | vol-000699b... | 30 GiB | gp2 | 100 | snap-07b7510... | September 8, 2020 ... | ap-southeast-1a | in-use |
| extravolume | vol-005d10fc555b4c3b0 | 100 GiB | gp2 | 300 | - | September 8, 2020 ... | ap-southeast-1a | available |

Modify Volume
Create Snapshot
Delete Volume
Attach Volume
Detach Volume
Force Detach Volume
Change Auto-Enable IO Setting
Add/Edit Tags

Volumes: vol-005d10fc555b4c3b0 (extravolume)

Description Status Checks Monitoring Tags

Volume ID: vol-005d10fc555b4c3b0
Alarm status: None
Snapshot: -
Outposts ARN: -
Size: 100 GiB
Created: September 8, 2020 at 11:10:04 AM

aws Volumes | EC2 Management Console

Services Resource Groups

Filter by tags and attributes or search by keyword

| Name | Volume ID | Size | Volume Type | IOPS | Snapshot | Created | Availability Zone | State |
|-------------|-----------------------|---------|-------------|------|-----------------|-----------------------|-------------------|-----------|
| awstrng | vol-000699b... | 30 GiB | gp2 | 100 | snap-07b7510... | September 8, 2020 ... | ap-southeast-1a | in-use |
| extravolume | vol-005d10fc555b4c3b0 | 100 GiB | gp2 | 300 | - | September 8, 2020 ... | ap-southeast-1a | available |

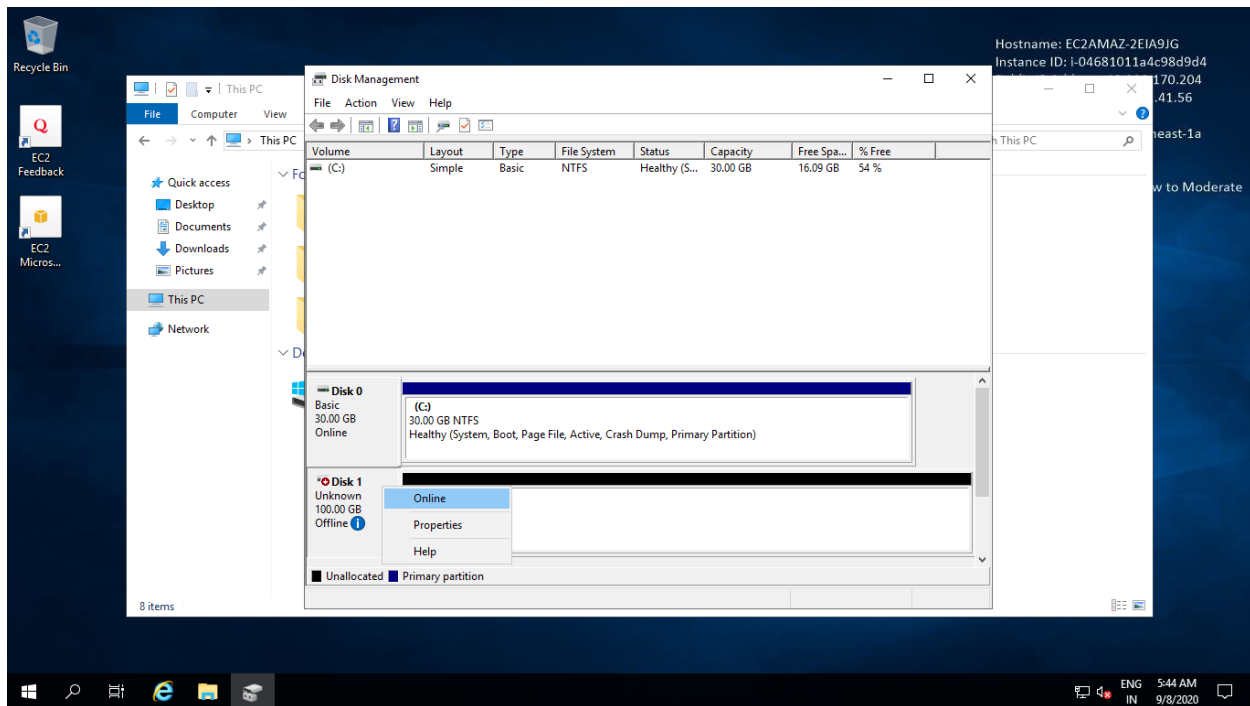
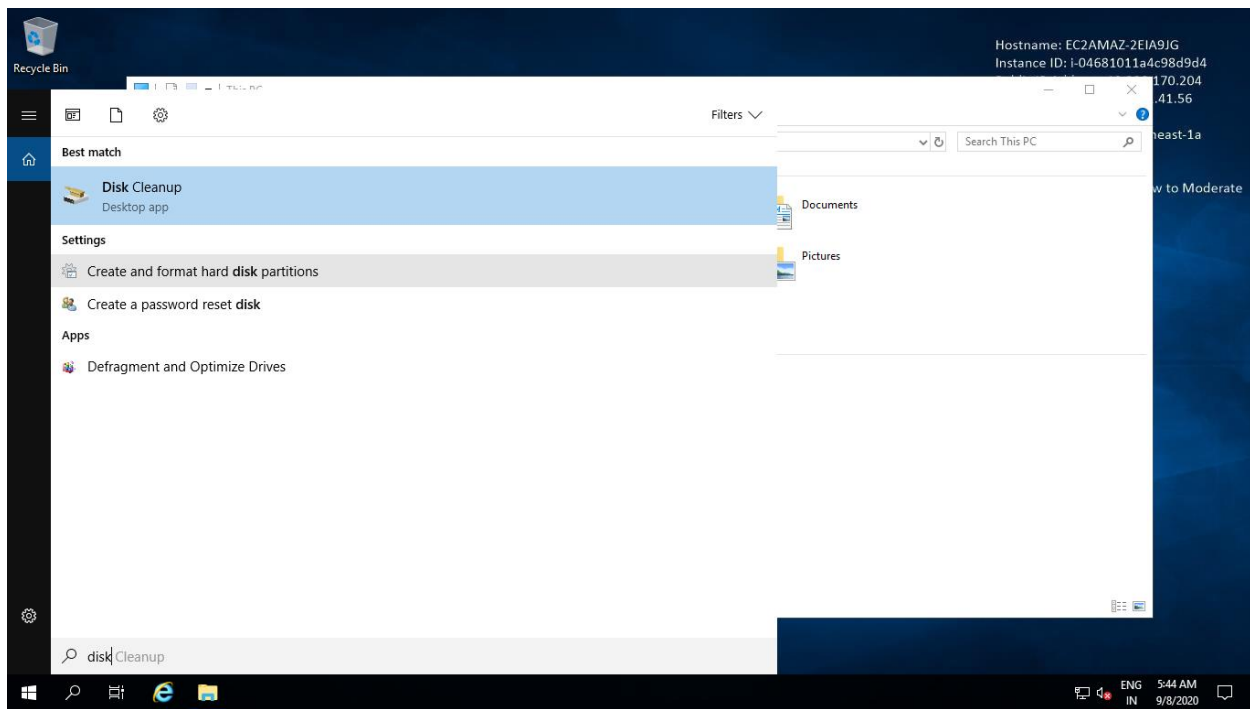
Attach Volume

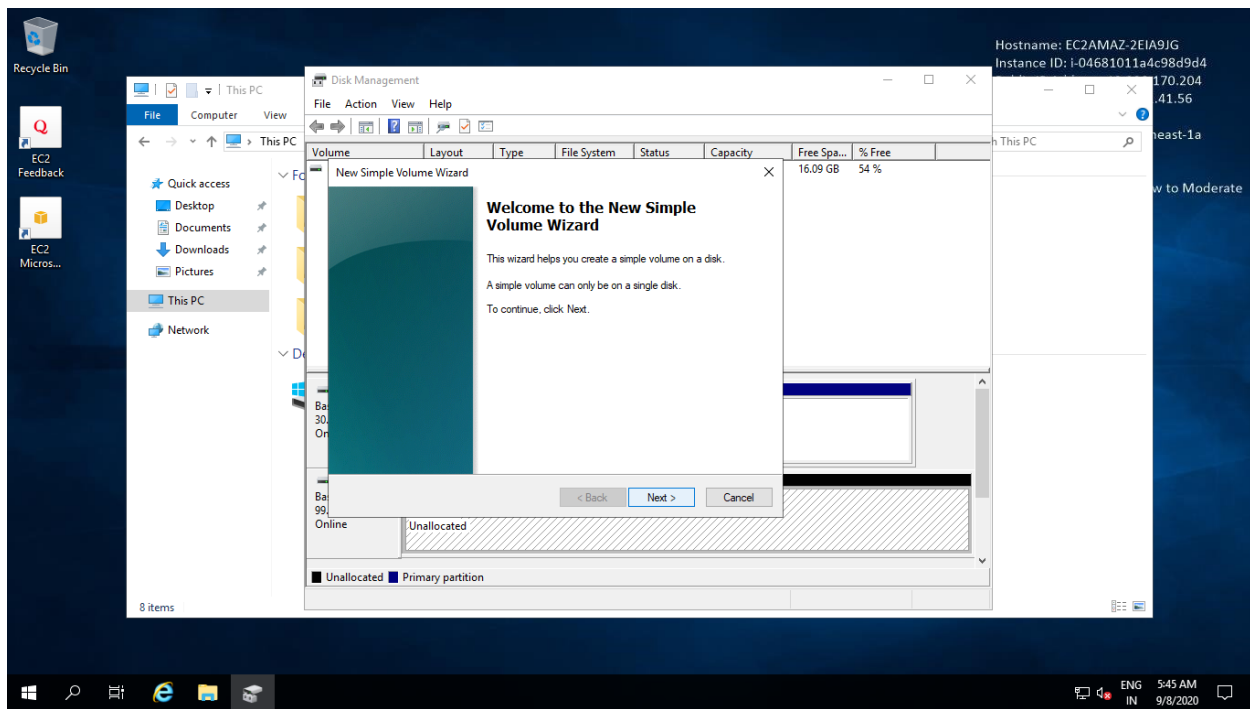
Volume: vol-005d10fc555b4c3b0 (extravolume) in ap-southeast-1a

Instance: i-04681011a4c98d9d4 in ap-southeast-1a

Device: xvdf
Windows Devices: xvdf through xvdp

Cancel Attach





Click next, next and finish. Choose all default.

