

# SCREENSHOTS OF DASHBOARD:

## AWS LOGIN SCREEN:

The screenshot shows the AWS Management Console login screen. At the top, there's a header bar with the AWS logo, a search bar containing the URL "us-east-2.console.aws.amazon.com/console/home?nc2=h\_ct&region=us-east-2&src=header-signin#", and a user profile dropdown for "nabeelkhan" in "Ohio". Below the header is a dark navigation bar with the AWS logo, "Services" dropdown, "Resource Groups" dropdown, and "Support" link.

The main content area has a sidebar on the left with "History" and "Console Home" links. The "EC2" section is expanded, showing services like Compute (EC2, Lightsail, Lambda, Batch, Elastic Beanstalk, Serverless Application Repository, AWS Outposts, EC2 Image Builder), Storage (S3, EFS, FSx, S3 Glacier, Storage Gateway, AWS Backup), and others. A search bar at the top right says "Find a service by name or feature (for example, EC2, S3 or VM, storage)".

The main grid displays various AWS services categorized under Compute, Blockchain, Analytics, End User Computing, Internet Of Things, Storage, Management & Governance, Security, Identity, & Compliance, and other groups. Services include Amazon Managed Blockchain, Ground Station, Amazon Braket, AWS Organizations, CloudWatch, AWS Auto Scaling, CloudFormation, CloudTrail, Config, OnsWorks, Athena, EMR, CloudSearch, Elasticsearch Service, Kinesis, QuickSight, Data Pipeline, AWS Data Exchange, AWS Glue, AWS Lake Formation, MSK, IAM, Resource Access Manager, Cognito, IoT Core, FreeRTOS, IoT 1-Click, IoT Analytics, IoT Device Defender, IoT Device Management, IoT Events, IoT Greengrass, IoT SiteWise, and IoT Things Graph.

At the bottom, there's a taskbar with icons for File Explorer, Task View, Edge, File Explorer, Google Chrome, Task View, and File Explorer. A status bar shows "Easily Track Experiments", the date "04/04/2020", the time "4:40 PM", and a battery icon.

## EC2 DASHBOARD:

The screenshot shows the AWS EC2 Management Console dashboard. At the top, there's a banner welcoming users to the new EC2 console, noting the redesign for better performance and encouraging feedback. The left sidebar contains navigation links for New EC2 Experience, EC2 Dashboard, Events, Tags, Reports, Limits, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, and Images. The main content area is titled 'Resources' and displays statistics for various Amazon EC2 resources in the US East (Ohio) Region. It shows 0 Running instances, 0 Elastic IPs, 0 Dedicated Hosts, 0 Snapshots, 0 Volumes, 0 Load balancers, 0 Key pairs, 1 Security groups, and 0 Placement groups. A callout box provides information about using the AWS Launch Wizard for Microsoft SQL Server Always On availability groups. To the right, there are sections for 'Account attributes' (listing supported platforms like VPC, default VPC, and console experiments), 'Explore AWS' (with a link to third-party AMI products), and a search bar at the bottom.

**Welcome to the new EC2 console!**  
We're redesigning the EC2 console to make it easier to use and improve performance. We'll release new screens periodically. We encourage you to try them and let us know where we can make improvements. To switch between the old console and the new console, use the New EC2 Experience toggle.

**Resources**

You are using the following Amazon EC2 resources in the US East (Ohio) Region:

Running instances	0	Elastic IPs	0
Dedicated Hosts	0	Snapshots	0
Volumes	0	Load balancers	0
Key pairs	0	Security groups	1
Placement groups	0		

**Account attributes**

Supported platforms

- VPC

Default VPC

vpc-860bdfed

Console experiments

Settings

**Explore AWS**

Easily launch third-party AMI products

Feedback English (US)

Type here to search

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4:42 PM 04/04/2020

## S3 DASHBOARD:

The screenshot shows the AWS S3 Management Console dashboard. At the top, there is a blue banner with a message: "We're gradually updating the design of the Amazon S3 console. You will notice some updated screens as we improve the performance and user interface. To help us improve the experience, give feedback on the recent updates." Below the banner, the main title "Amazon S3" is displayed. On the left sidebar, under the "Buckets" section, there are links for "Batch operations", "Access analyzer for S3", and "Block public access (account settings)". A "Feature spotlight" link is also present. The main content area is titled "Amazon S3" and shows a table header for "Buckets (0)". The table has columns for "Name", "Region", "Access", and "Bucket created". A search bar at the top of the table says "Find bucket by name". Below the table, it says "No buckets" and "You don't have any buckets." A "Create bucket" button is located at the bottom of this section. The bottom of the screen shows the Windows taskbar with various pinned icons and the date/time "4:44 PM 04/04/2020".

## RECOGNITION DASHBOARD:

The screenshot shows the AWS Rekognition console dashboard. The left sidebar lists several services under "Amazon Rekognition": Custom Labels (New), Use Custom Labels, Demos, Object and scene detection, Image moderation, Facial analysis, Celebrity recognition, Face comparison, Text in image, Video Demos, Video analysis, and Metrics. The main content area features a large banner for "Amazon Rekognition" with the subtext "Deep learning-based visual analysis service" and "Search, verify, and organize millions of images and videos". It includes a "Try Demo" button and a "Download SDKs" link. Below the banner, there are three sections: "Easily Integrate Powerful Visual Analysis into Your App" (with a stack of squares icon), "Continuously Learning" (with a neural network icon), and "Integrated with AWS Services" (with a puzzle piece icon). The bottom of the screen shows the Windows taskbar with various pinned icons and the system clock indicating 4:46 PM on 04/04/2020.

Rekognition Console

Services ▾ Resource Groups ▾

nabeelkhan ▾ Ohio ▾ Support ▾

Amazon Rekognition

Custom Labels New  
Use Custom Labels

Demos

Object and scene detection

Image moderation

Facial analysis

Celebrity recognition

Face comparison

Text in image

Video Demos

Video analysis

Metrics

Feedback English (US)

Type here to search

Try Demo

Download SDKs

Easily Integrate Powerful Visual Analysis into Your App

You don't need computer vision or deep learning expertise to take advantage of

Continuously Learning

Amazon Rekognition is designed to use deep learning technology to analyze billions of images and videos daily. It is

Integrated with AWS Services

Amazon Rekognition is designed to work seamlessly with other AWS services. Rekognition integrates directly with Amazon

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4:46 PM 04/04/2020

# SCREENSHOTS NEEDED FOR EC2:

## CHOOSING AN AMI:

The screenshot shows the 'Launch instance wizard | EC2' interface. At the top, there's a navigation bar with tabs: 'Services', 'Resource Groups', and 'Support'. Below the tabs, a breadcrumb path shows '1. Choose AMI' is selected. A search bar at the top says 'Search for an AMI by entering a search term e.g. "Windows"'. On the left, a sidebar titled 'Quick Start' lists 'My AMIs', 'AWS Marketplace', and 'Community AMIs'. Under 'Amazon Linux', two options are listed: 'Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0e01ce4ee18447327 (64-bit x86) / ami-03201f374ab66a26e (64-bit Arm)' and 'Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-01b01bbd08f24c7a8'. Both entries have a 'Free tier eligible' badge. To the right of the list are two radio buttons for '64-bit (x86)' and '64-bit (Arm)'. A blue 'Select' button is located to the right of the first item. The status bar at the bottom indicates '1 to 40 of 40 AMIs'.

The screenshot shows the Windows taskbar. It includes icons for Feedback, Language (English (US)), a search bar with placeholder text 'Type here to search', and several pinned application icons (File Explorer, Edge, File History, Task View, Google Chrome, File Explorer again). On the far right, it shows the date and time as '04/04/2020 4:53 PM'.

## CHOOSING AN INSTANCE:

The screenshot shows the AWS Launch Instance Wizard at Step 2: Choose an Instance Type. The URL is [us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard](https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard). The navigation bar includes Services, Resource Groups, and a user profile for nabeelkhan.

The wizard steps are: 1. Choose AMI, 2. Choose Instance Type (highlighted), 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group, 7. 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 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 Free tier eligible	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

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

The screenshot shows the Windows taskbar. From left to right, it includes: Feedback, English (US) language settings, a search bar with the placeholder "Type here to search", pinned application icons for File Explorer, Edge, File History, Task View, Google Chrome, and File Explorer again, and system icons for volume, battery, and network.

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4:56 PM Speakers: 72%

## ADDING STORAGE:

The screenshot shows the AWS Launch Instance Wizard at Step 4: Add Storage. The top navigation bar includes tabs for Choose AMI, Choose Instance Type, Configure Instance, Add Storage (which is selected), Add Tags, Configure Security Group, and Review. The main content area is titled "Step 4: Add Storage" and describes how the instance will be launched with storage device settings. It shows a table for adding volumes, with one row for the "Root" volume. The table columns are Volume Type, Device, Snapshot, Size (GiB), Volume Type, IOPS, Throughput, Delete on Termination, and Encryption. The "Root" volume is set to General Purpose SSD (gp2), 8 GiB, and Not Encrypted. A note below the table states that free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. At the bottom right are buttons for Cancel, Previous, Review and Launch (which is highlighted in blue), and Next: Add Tags.

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encryption
Root	/dev/xvda	snap-0f54692056aaa4c20	8	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

The screenshot shows the Windows taskbar. On the left is a search bar with the placeholder "Type here to search". To its right are pinned icons for File Explorer, Task View, Edge browser, Google Chrome, File History, and File Explorer again. On the far right, there are system status icons for battery level (458 PM), date (04/04/2020), and a notification bell.

# CONFIGURING SECURITY GROUP:

The screenshot shows the AWS Launch Instance Wizard at Step 6: Configure Security Group. The URL in the browser is [us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard](https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard). The navigation bar includes 'Services' and 'Resource Groups'. On the left, a sidebar lists steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group (which is highlighted), and 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 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 2020-04-04T17:00:31.510+05:30

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom	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.

The screenshot shows the Windows taskbar. From left to right, it includes: Feedback, English (US) language settings, a search bar with placeholder 'Type here to search', pinned icons for File Explorer, Task View, Edge, Google Chrome, File History, and Task Scheduler, and system status icons for battery level (50%), volume (5:04 PM), date (04/04/2020), and a network connection.

Cancel Previous Review and Launch

## KEY PAIR DOWNLOAD:

The screenshot shows the AWS Launch Instance Wizard at Step 7: Review Instance Launch. A modal window titled "Select an existing key pair or create a new key pair" is displayed. Inside the modal, there is a note explaining what a key pair is and how it's used for secure connection. Below the note, there is a dropdown menu set to "Create a new key pair", a text input field for "Key pair name" containing "aws-demo-key", and a "Download Key Pair" button. A callout bubble provides instructions to store the private key file (\*.pem) in a secure location before launching. The background of the wizard shows the instance configuration: Instance Type (t2.micro), ECUs (Variable), and Security Groups (launch-wizard). The Windows taskbar at the bottom shows the search bar with "aws-demo-key.pem" and the system tray with the date and time.

Launch instance wizard | EC2 Ma x +

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

Services Resource Groups

nabeelkhan Ohio Support

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

Step 7: Review Instance Launch

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.

Type (i) Create a new key pair

Key pair name aws-demo-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)

aws-demo-key.pem

Network Performance

Low to Moderate

Edit security groups

Description (i)

Edit instance details

Edit storage

Cancel Previous Launch

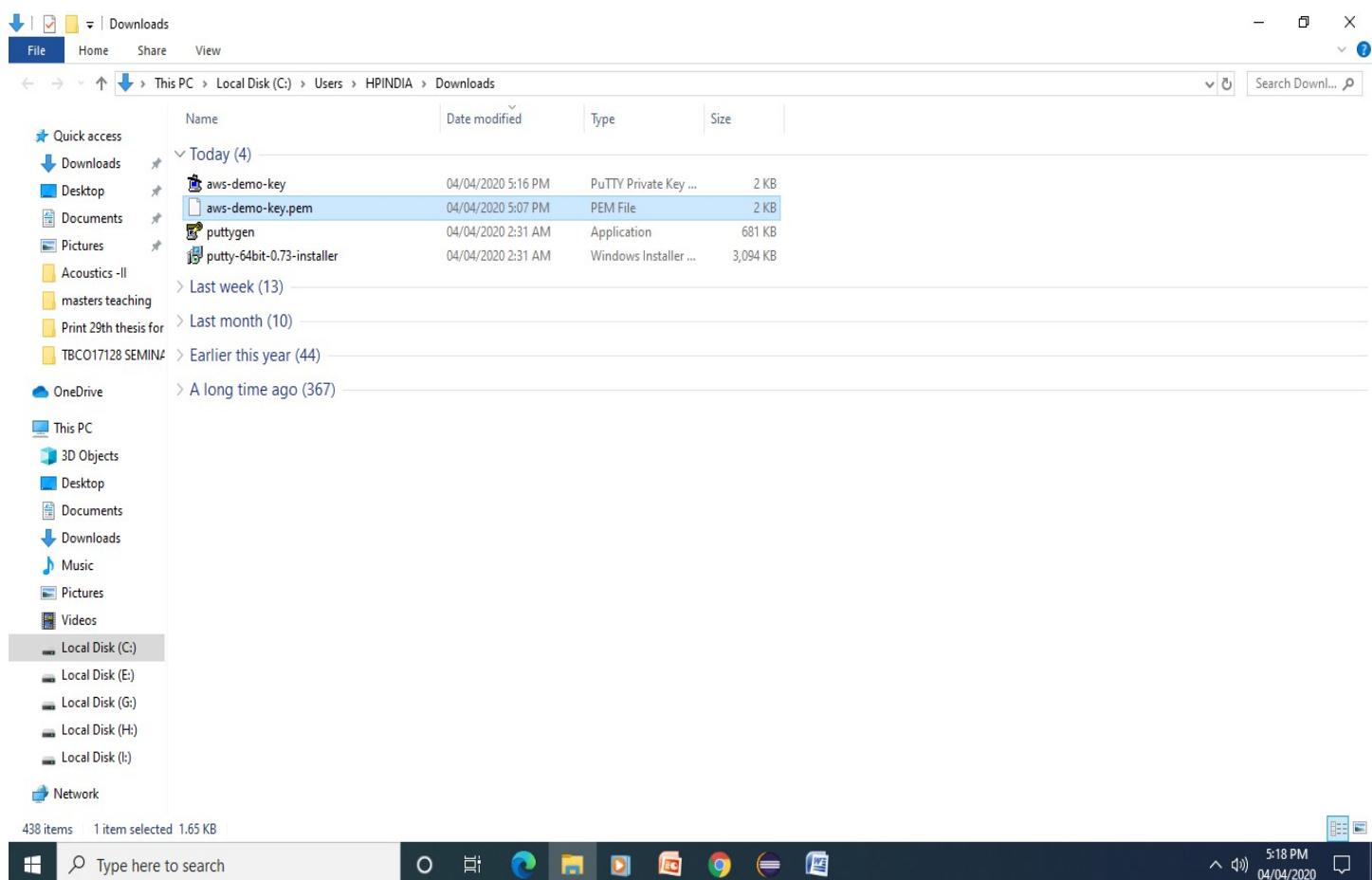
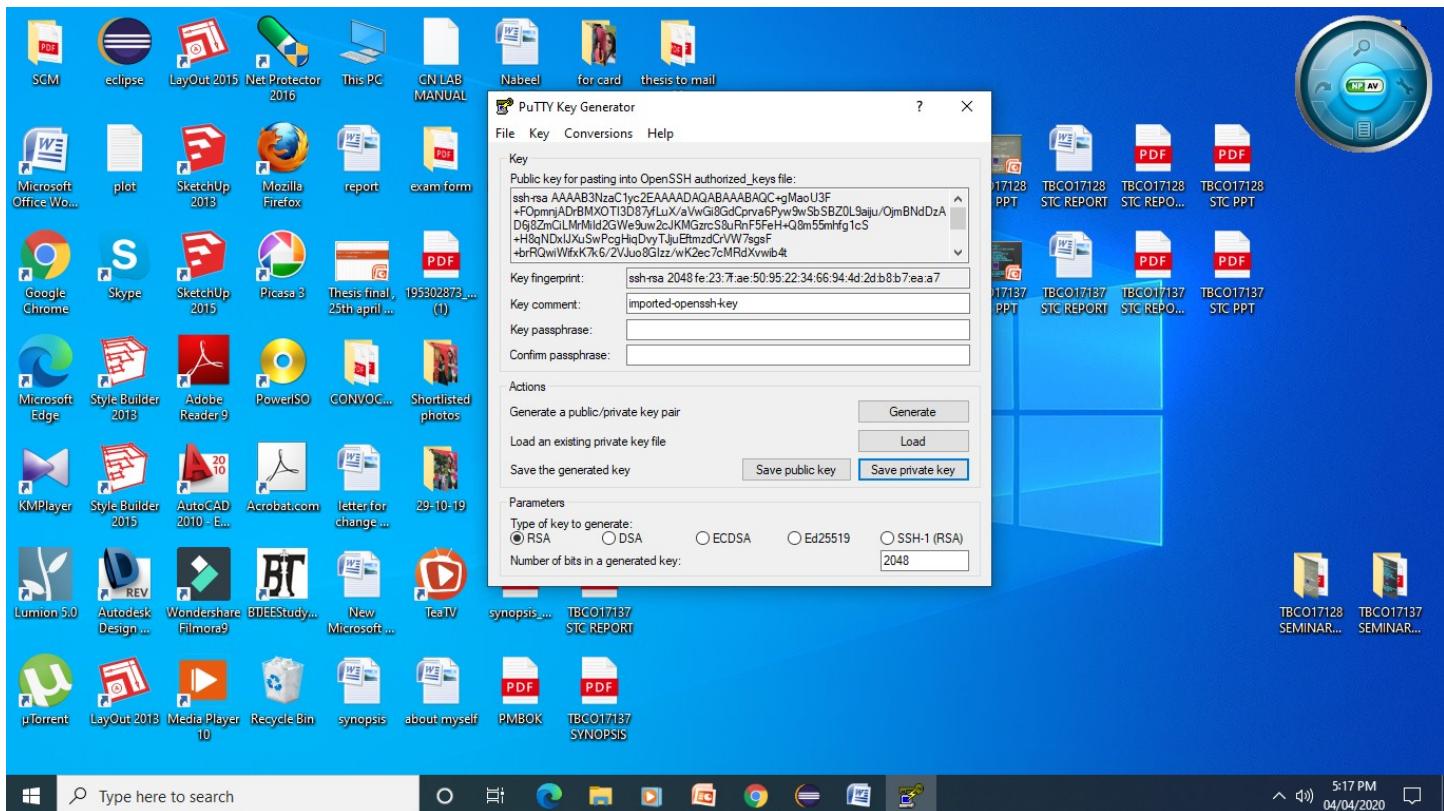
Rights reserved. Privacy Policy Terms of Use

Show all X

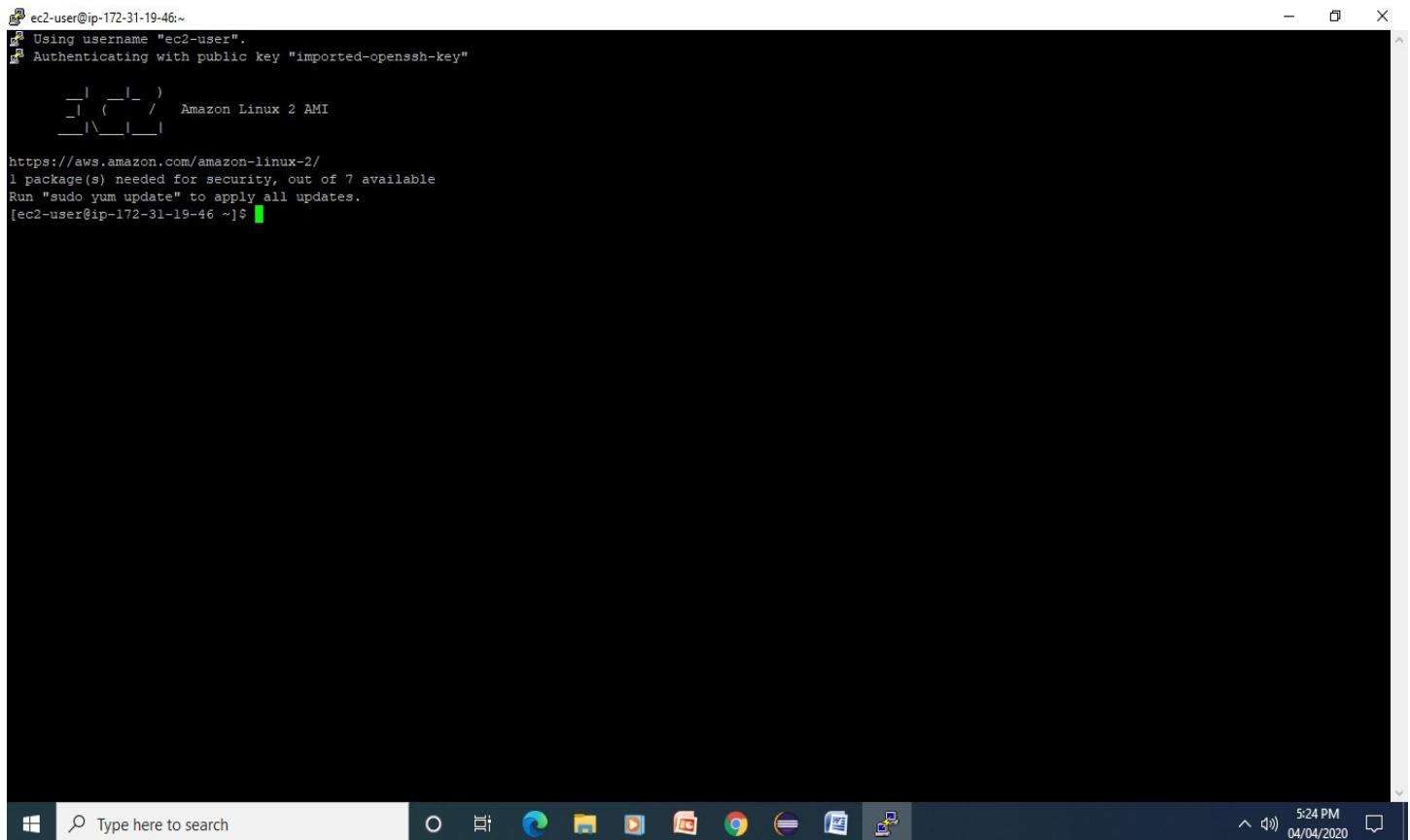
5:08 PM 04/04/2020

Type here to search

# PUTTYgen CONVERSION FROM PEM TO PK:



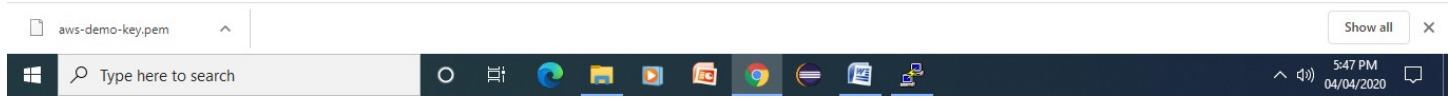
## LOGGED IN EC2 BLACK SCREEN:



```
ec2-user@ip-172-31-19-46:~  
Using username "ec2-user".  
Authenticating with public key "imported-openssh-key"  
[ec2-user@ip-172-31-19-46 ~]$
```



hello from Nabeel



```
ec2-user@ip-172-31-19-46:~  
hello from Nabee
```



# SCREENSHOTS NEEDED FOR S3:

## CREATING A BUCKET:

The screenshot shows the 'Create bucket' wizard in the AWS S3 Management Console. The 'General configuration' step is selected, displaying fields for 'Bucket name' (set to 'aws-demo-nk') and 'Region' (set to 'US East (Ohio) us-east-2'). Below this, the 'Bucket settings for Block Public Access' section is shown, with the 'Block all public access' checkbox checked. The status message indicates that this setting applies to all four public access controls. The browser's address bar shows the URL `s3.console.aws.amazon.com/s3/bucket/create?region=us-east-2`. The Windows taskbar at the bottom includes icons for Feedback, English (US), a search bar, and system status.

The screenshot shows the 'Amazon S3' dashboard after a bucket has been created. A green success message at the top states 'Successfully created bucket aws-demo-nk'. It provides instructions to upload files or configure bucket settings, with a 'Go to bucket details' button. The main table displays the single bucket 'aws-demo-nk' with its details: Name (aws-demo-nk), Region (US East (Ohio) us-east-2), Access (Not Public), and Bucket created (2020-04-04T12:33:54.000Z). The browser's address bar shows the URL `s3.console.aws.amazon.com/s3/home?region=us-east-2`. The Windows taskbar at the bottom includes icons for Feedback, English (US), a search bar, and system status.

## UPLOADING AN OBJECT:

The screenshot shows the AWS S3 Management Console with a file upload dialog open. The dialog is titled "Upload" and is divided into four steps: 1. Select files, 2. Set permissions, 3. Set properties, and 4. Review. Step 1 is active, showing 1 File selected with a size of 266.0 B and a target path of aws-demo-nk. The file listed is index.html, which is 266.0 B. There is a "Upload" button at the bottom left and a "Next" button at the bottom right.

The screenshot shows the AWS S3 Management Console displaying the contents of the aws-demo-nk bucket. The bucket name is "aws-demo-nk". The "Properties" tab is selected in the navigation bar. A search bar is present below the navigation bar. Below the search bar are buttons for "Upload", "+ Create folder", "Download", and "Actions". The main area shows a table of objects. The table has columns for Name, Last modified, Size, and Storage class. One object is listed: index.html, last modified on Apr 4, 2020 at 6:14:01 PM GMT+0530, with a size of 266.0 B and a storage class of Standard. The status bar at the bottom indicates 0 In progress, 1 Success, and 0 Error operations.

Name	Last modified	Size	Storage class
index.html	Apr 4, 2020 6:14:01 PM GMT+0530	266.0 B	Standard

## ENABLING STATIC WEBSITES:

The screenshot shows the AWS S3 Management Console with the URL [s3.console.aws.amazon.com/s3/buckets/aws-demo-nk/?region=us-east-2&tab=properties](https://s3.console.aws.amazon.com/s3/buckets/aws-demo-nk/?region=us-east-2&tab=properties). The main panel is titled "Static website hosting" and displays the endpoint <http://aws-demo-nk.s3-website.us-east-2.amazonaws.com>. It includes fields for "Index document" (set to "index.html") and "Error document" (set to "error.html"). Below these are sections for "Redirection rules (optional)" and "Operations" (0 In progress, 1 Success, 0 Error). A sidebar on the right is titled "Object-level logging" with a note about CloudTrail data events and a status of "Disabled". The bottom navigation bar includes links for Feedback, English (US), Privacy Policy, and Terms of Use.

## MAKING THE OBJECT PUBLIC:

The screenshot shows the AWS S3 Management Console with the URL [s3.console.aws.amazon.com/s3/buckets/aws-demo-nk/?region=us-east-2&tab=permissions](https://s3.console.aws.amazon.com/s3/buckets/aws-demo-nk/?region=us-east-2&tab=permissions). The main panel is titled "Block public access (bucket settings)". It explains that public access can be granted through ACLs, bucket policies, or access point policies. It includes a section for "Block all public access" with four options: "Block public access to buckets and objects granted through new access control lists (ACLs)", "Block public access to buckets and objects granted through any access control lists (ACLs)", "Block public access to buckets and objects granted through new public bucket or access point policies", and "Block public and cross-account access to buckets and objects through any public bucket or access point policies". Each option has an "Off" status and an "Edit" button. The bottom navigation bar includes links for Feedback, English (US), Privacy Policy, and Terms of Use.

The screenshot shows the AWS S3 Management Console interface. At the top, there's a header bar with the AWS logo, navigation links for 'Services' and 'Resource Groups', and user information for 'nabeelkhan'. Below the header, the URL in the address bar is `s3.console.aws.amazon.com/s3/object/aws-demo-nk/index.html?region=us-east-2&tab=overview`. The main content area shows the object 'index.html' under the 'aws-demo-nk' bucket. The 'Properties' tab is selected. Below the tabs, there are buttons for 'Open', 'Download', 'Download as', 'Make public', and 'Copy path'. The object details section includes fields for 'Owner' (with a long hex string), 'Last modified' (Apr 4, 2020 6:14:01 PM GMT+0530), 'Etag' (348c2b5dc395e25575461dc0b012a97), 'Storage class' (Standard), and 'Server-side encryption' (None). At the bottom, there's an 'Operations' section with status counts: 0 In progress, 2 Success, 0 Error.

## CHECKING THE S3 LINK ON BROWSER:

A screenshot of a Microsoft Edge browser window. The address bar shows the URL "aws-demo-nks3-website.us-east-2.amazonaws.com". The page content displays several heading elements: **This is heading 1**, **This is heading 2**, **This is heading 3**, **This is heading 4**, **This is heading 5**, and **This is heading 6**. The browser interface includes standard navigation buttons (back, forward, search), a tab bar with three tabs, and a taskbar at the bottom with icons for File Explorer, Edge, and other applications.

# SCREENSHOT NEEDED FOR RECOGNITION:

## FACES DETECT:

The screenshot shows the AWS Rekognition Console interface. On the left, a sidebar lists various services and resources, with 'Facial analysis' selected. The main area displays a photograph of three people smiling, with their faces detected by white boxes. Below the image, there are two sections: 'Choose a sample image' and 'Use your own image'. To the right, a 'Results' panel shows the following analysis:

Attribute	Value	Confidence
looks like a face	99.9 %	
appears to be male	99.4 %	
age range	22 - 34 years old	
smiling	99.9 %	
appears to be happy	99.7 %	
not wearing glasses	99.6 %	

At the bottom, there is a 'Done with the demo?' link and a 'Learn more' button.

## FACE COMPARE

The screenshot shows the AWS Rekognition Console interface. On the left, a sidebar lists various services and resources, with 'Face comparison' selected. The main area displays a 'Reference face' (a girl with a colorful necklace) and 'Comparison faces' (two girls laughing). Below these are two 'Choose a sample image' sections. To the right, a 'Results' panel shows the following comparison results:

Comparison	Similarity
girl vs girl	99.8 %
girl vs boy	Not applicable
boy vs boy	Not applicable

At the bottom, there is a 'Done with the demo?' link and a 'Learn more' button.

## CELEBRITY RECOGNITION:

The screenshot shows the AWS Rekognition Console interface. On the left, a sidebar lists various services like Demos, Object and scene detection, Image moderation, Facial analysis, and Celebrity recognition, with 'Celebrity recognition' selected. The main content area is titled 'Celebrity recognition' and describes how Rekognition automatically recognizes celebrities in images. It displays a portrait of Jeff Bezos with a blue bounding box around his face. To the right, a section titled 'Results' shows a thumbnail of Jeff Bezos with the text 'Jeff Bezos' and a 'Learn More' link. Below it, 'Match confidence' is listed as 100%. At the bottom, there are sections for 'Request' and 'Response'.

## TEXT IN IMAGE:

The screenshot shows the AWS Rekognition Console interface. The sidebar shows 'Text in image' selected. The main content area is titled 'Text in image' and describes how Rekognition automatically detects and extracts text in images. It displays an image of an orange mug with a smiley face, with text overlaid: 'IT'S MONDAY but keep Smiling'. To the right, a section titled 'Results' shows the detected text: 'IT'S', 'MONDAY', 'but', 'keep', and 'Smiling'. Below it, 'Request' and 'Response' sections are present.

# SCREENSHOT NEEDED FOR EC2 & S3:

## INSTALL AWS SDK:

```
ec2-user@ip-172-31-19-46:/var/www/html/face
Check https://getcomposer.org/doc/articles/troubleshooting.md#proc-open-fork-failed-errors for details

PHP Warning:  proc_open(): fork failed - Cannot allocate memory in phar:///home/ec2-user/composer.phar/vendor/symfony/console/Application.php on line 952
Warning: proc_open(): fork failed - Cannot allocate memory in phar:///home/ec2-user/composer.phar/vendor/symfony/console/Application.php on line 952
[ErrorException]
proc_open(): fork failed - Cannot allocate memory

require [--dev] [--prefer-source] [--prefer-dist] [--fixed] [--no-progress] [--no-suggest] [--no-update] [--no-scripts] [--update-no-dev] [--update-with-dependencies] [--update-with-all-dependencies] [--ignore-platform-reqs] [--prefer-stable] [--prefer-lowest] [--sort-packages] [-o|--optimize-autoloader] [-a|--classmap-authoritative] [--apcu-autoloader] [--] [<packages>]...

[ec2-user@ip-172-31-19-46 face]$ sudo /bin/dd if=/dev/zero of=/var/swap.1 bs=1M count=1024
1024+0 records in
1024+0 records out
1073741824 bytes (1.1 GB) copied, 13.4305 s, 79.9 MB/s
[ec2-user@ip-172-31-19-46 face]$ sudo /sbin/mkswap /var/swap.1
mkswap: /var/swap.1: insecure permissions 0644, 0600 suggested.
Setting up swap space version 1, size = 1024 MiB (1073737728 bytes)
no label, UUID=e2a58422-397b-4a04-9433-71ae3a864761
[ec2-user@ip-172-31-19-46 face]$ sudo /sbin/swapon /var/swap.1
swapon: /var/swap.1: insecure permissions 0644, 0600 suggested.
[ec2-user@ip-172-31-19-46 face]$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php
Using version '2.8' for aws/aws-sdk-php
./composer.json has been created
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 3 installs, 0 updates, 0 removals
- Installing symfony/event-dispatcher (v2.8.52): Loading from cache
- Installing guzzle/guzzle (v3.9.3): Downloading (100%)
- Installing aws/aws-sdk-php (2.8.31): Downloading (100%)
symfony/event-dispatcher suggests installing symfony/dependency-injection
symfony/event-dispatcher suggests installing symfony/http-kernel
guzzle/guzzle suggests installing guzzlehttp/guzzle (Guzzle 5 has moved to a new package name. The package you have installed, Guzzle 3, is deprecated.)
aws/aws-sdk-php suggests installing doctrine/cache (Adds support for caching of credentials and responses)
aws/aws-sdk-php suggests installing ext-apc (Allows service description opcode caching, request and response caching, and credentials caching)
aws/aws-sdk-php suggests installing monolog/monolog (Adds support for logging HTTP requests and responses)
aws/aws-sdk-php suggests installing symfony/yaml (Eases the ability to write manifests for creating jobs in AWS Import/Export)
Package guzzle/guzzle is abandoned, you should avoid using it. Use guzzlehttp/guzzle instead.
Writing lock file
Generating autoload files
[ec2-user@ip-172-31-19-46 face]$
```

## INSTALLING PHP:

```
ec2-user@ip-172-31-19-46:~
=====
Package           Arch      Version       Repository   Size
=====
Installing:
php              x86_64    5.4.16-46.amzn2.0.2      amzn2-core   1.4 M
Installing for dependencies:
libzip010-compat x86_64    0.10.1-9.amzn2.0.5      amzn2-core   30 k
php-cli          x86_64    5.4.16-46.amzn2.0.2      amzn2-core   2.8 M
php-common        x86_64    5.4.16-46.amzn2.0.2      amzn2-core   563 k
=====
Transaction Summary
=====
Install 1 Package (+3 Dependent packages)

Total download size: 4.7 M
Installed size: 17 M
Is this ok [y/N]: y
Downloading packages:
(1/4): libzip010-compat-0.10.1-9.amzn2.0.5.x86_64.rpm | 30 kB  00:00:00
(2/4): php-5.4.16-46.amzn2.0.2.x86_64.rpm | 1.4 MB  00:00:00
(3/4): php-common-5.4.16-46.amzn2.0.2.x86_64.rpm | 563 kB  00:00:00
(4/4): php-cli-5.4.16-46.amzn2.0.2.x86_64.rpm | 2.8 MB  00:00:00
=====
Total                                         18 MB/s | 4.7 MB  00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : libzip010-compat-0.10.1-9.amzn2.0.5.x86_64 1/4
  Installing : php-common-5.4.16-46.amzn2.0.2.x86_64 2/4
  Installing : php-cli-5.4.16-46.amzn2.0.2.x86_64 3/4
  Installing : php-5.4.16-46.amzn2.0.2.x86_64 4/4
  Verifying  : php-5.4.16-46.amzn2.0.2.x86_64 1/4
  Verifying  : libzip010-compat-0.10.1-9.amzn2.0.5.x86_64 2/4
  Verifying  : php-cli-5.4.16-46.amzn2.0.2.x86_64 3/4
  Verifying  : php-common-5.4.16-46.amzn2.0.2.x86_64 4/4
=====
Installed:
  php.x86_64 0:5.4.16-46.amzn2.0.2

Dependency Installed:
  libzip010-compat.x86_64 0:0.10.1-9.amzn2.0.5          php-cli.x86_64 0:5.4.16-46.amzn2.0.2          php-common.x86_64 0:5.4.16-46.amzn2.0.2

Complete!
[ec2-user@ip-172-31-19-46 ~]$
```

## INDEX.PHP FILE CODE:

```
ec2-user@ip-172-31-19-46:/var/www/html/face
$keyname = 'sample.jpg';

$s3 = S3Client::factory([
    'region'      => 'us-east-2',
    'version'     => '2006-03-01',
    'signature'   => 'v4'
]);

try {
    // Upload data.
    $result = $s3->putObject([
        'Bucket'          => $bucket,
        'Key'             => $keyname,
        'SourceFile'     => __DIR__ . "/$keyname",
        'ACL'             => 'public-read-write'
    ]);

    // Print the URL to the object.
    $imageUrl = $result['ObjectURL'];
    if($imageUrl) {
        echo "Image upload done... Here is the URL: " . $imageUrl;

        $rekognition = new RekognitionClient([
            'region'      => 'us-east-2',
            'version'     => 'latest',
        ]);

        $result = $rekognition->detectFaces([
            'Attributes'  => ['DEFAULT'],
            'Image'       => [
                'S3Object' => [
                    'Bucket' => $bucket,
                    'Name'   => $keyname,
                    'Key'    => $keyname,
                ],
            ],
        ]);

        echo "Totally there are " . count($result["FaceDetails"]) . " faces";
    }
} catch (Exception $e) {
    echo $e->getMessage() . PHP_EOL;
}

index3.php" 82L, 1865C
```

## UPLOAD SUCCESS SCREENSHOT:

The screenshot shows the AWS S3 Management Console interface. The top navigation bar includes links for S3 Management Console, Index.php 6th day - excalibur.rn, index.php | Anyfile Notepad, index.php | Anyfile Notepad, and b97ea33b5842c7894b804923c. The top right shows the user nabeelkhan, Global, and Support. The main header shows 'aws' and 'Services > Resource Groups'. Below the header, the 'aws-demo-nk' bucket is selected. The 'Overview' tab is active. A search bar at the top says 'Type a prefix and press Enter to search. Press ESC to clear.' Below the search bar are buttons for 'Upload', '+ Create folder', 'Download', and 'Actions'. On the right, it says 'US East (Ohio)' with a refresh icon. A table lists two objects: 'index.html' (Last modified: Apr 4, 2020 6:14:01 PM GMT+0530, Size: 266.0 B, Storage class: Standard) and 'sample.jpg' (Last modified: Apr 4, 2020 11:38:13 PM GMT+0530, Size: 210.5 KB, Storage class: Standard). At the bottom, there are links for Feedback, English (US), Privacy Policy, Terms of Use, and footer information including copyright notice (© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.) and system status (11:39 PM 04/04/2020).

