

FACE DETECTION USING AWS

NAME: B.K. HEM CHARAN

LOGIN SCREEN:

The screenshot shows the AWS Management Console homepage. The top navigation bar includes links for Services, Resource Groups, and Support. The main content area features a search bar for "AWS services" and sections for "Recently visited services" (IAM, EC2) and "All services". Below this is a "Build a solution" section with options for launching a virtual machine (With EC2, 2-3 minutes), building a web app (With Elastic Beanstalk, 6 minutes), and building using virtual servers (With Lightsail, 1-2 minutes). To the right, there are promotional cards for "Access resources on the go" (AWS Console Mobile App), "Explore AWS" (Amazon Redshift, Run Serverless Containers with AWS Fargate), and "Scalable, Durable, Secure Backup & Restore with Amazon S3". The URL in the browser is <https://us-east-2.console.aws.amazon.com/console/home?region=us-east-2#>.

The screenshot shows the "Account Settings" page in the AWS Billing Management Console. The left sidebar lists various billing categories: Cost Management, Cost Explorer, Budgets, Budgets Reports, Savings Plans, Cost & Usage Reports, Cost Categories (beta), Cost allocation tags, Billing, Bills, Orders and invoices, Credits, Preferences, Billing preferences, Payment methods, Consolidated billing, and Tax settings. The main content area displays account details (Account Id: 789819905087, Account Name: hem charan, Password: *****) and contact information. The contact information section includes fields for Full Name, Address, City, State, Postal Code, Country, Phone Number, Company Name, and Website URL. Below this is an "Alternate Contacts" section for Billing, Operations, and Security communications, both of which currently have "Contact: None". The URL in the browser is <https://console.aws.amazon.com/billing/home?#/account>.

EC2 DASHBOARD:

The screenshot shows the AWS EC2 Management Console dashboard. On the left, there's a sidebar with various navigation options like EC2 Dashboard, Instances, Images, and Elastic Block Store. The main area displays a summary of resources: 1 Running Instance, 0 Dedicated Hosts, 1 Volumes, 1 Key pairs, 0 Placement groups, 0 Elastic IPs, 0 Snapshots, 0 Load balancers, and 2 Security groups. A callout box suggests using the AWS Launch Wizard for Microsoft SQL Server Always On availability groups. On the right, there are sections for Account attributes (Supported platforms: VPC), Explore AWS (Optimize your EC2 cost and performance with Spot Instances, Combine EC2 On-Demand, Spot, Savings Plans, and RIs in a single EC2 Auto Scaling Group to optimize EC2), and a feedback link.

CHOOSING AN AMI:

The screenshot shows the "Launch instance wizard" Step 1: Choose an Amazon Machine Image (AMI). It lists several AMI options under "Quick Start":

- Amazon Linux 2 AMI (HVM), SSD Volume Type** - ami-0e01ce4ee18447327 (64-bit x86) / ami-03201f374ab66a26e (64-bit Arm)
Free tier eligible
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.
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
Select button (64-bit (x86))
- Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type** - ami-01b01bbd08f24c7a8
Free tier eligible
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.
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
Select button (64-bit (x86))
- Red Hat Enterprise Linux 8 (HVM), SSD Volume Type** - ami-0520e698dd500b1d1 (64-bit x86) / ami-0099847d600887c9f
Free tier eligible
Red Hat Enterprise Linux version 8 (HVM), EBS General Purpose (SSD) Volume Type
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
Select button (64-bit (x86))

CHOOSING AN INSTANCE TYPE:

The screenshot shows the AWS Launch Instance wizard on the "Choose an Instance Type" step. The browser title is "Launch instance wizard | EC2 Management Console - Mozilla Firefox". The URL is <https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard>. The interface includes a sidebar with various icons and a top navigation bar with tabs: "Activities", "Firefox Web Browser", "Launch instance wizard", "Firefox Privacy Notice", "Download PUTTY: latest", "Problem loading page", "How to install putty (SSH)", and "52.14.118.80/". The main content area shows a table of instance types under "Step 2: Choose an Instance Type". The table has columns: Family, Type, vCPUs, Memory (GiB), Instance Storage (GB), EBS-Optimized Available, Network Performance, and IPv6 Support. The "t2.micro" row is selected, highlighted with a blue border and labeled "Free tier eligible". Other rows include t2.nano, t2.small, t2.medium, t2.large, t2.xlarge, t2.2xlarge, and t3a.nano. Buttons at the bottom right include "Cancel", "Previous", "Review and Launch" (which is blue and bold), and "Next: Configure Instance Details".

The screenshot shows the AWS Launch Instance wizard on the "Configure Instance Details" step. The browser title is "Launch instance wizard | EC2 Management Console - Mozilla Firefox". The URL is <https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard>. The main content area shows configuration options: Number of instances (set to 1), Purchasing option (checkbox for Request Spot instances), Network (Network: vpc-ea8b5e81 (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 (checkbox for Add instance to placement group), Capacity Reservation (Open, Create new Capacity Reservation), IAM role (None, Create new IAM role), Shutdown behavior (Stop), Stop - Hibernate behavior (checkbox for Enable hibernation as an additional stop behavior), Enable termination protection (checkbox for Protect against accidental termination), and Monitoring (checkbox for Enable CloudWatch detailed monitoring). Buttons at the bottom right include "Cancel", "Previous", "Review and Launch" (blue and bold), and "Next: Add Storage".

ADDING STORAGE:

The screenshot shows the AWS Launch Instance wizard Step 4: Add Storage page. The browser title is "Launch instance wizard | EC2 Management Console - Mozilla Firefox". The URL is <https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceW>. The page displays the configuration for adding storage to an instance. The "Volume Type" is set to "General Purpose SSD (gp2)". The "Size (GiB)" is set to 8. The "Delete on Termination" checkbox is checked. A note at the bottom states: "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." Navigation buttons at the bottom include "Cancel", "Previous", "Review and Launch" (highlighted in blue), and "Next: Add Tags".

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/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

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Fri 12:33

Launch instance wizard | EC2 Management Console - Mozilla Firefox

Activities Firefox Web Browser ▾

Launch instance wizard | Firefox Privacy Notice | Download PUTTY:latest | Problem loading page | How to install putty (SSH) | 52.14.118.80/

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

AWS Services Resource Groups

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

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 (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](#).
Make sure your [IAM policy](#) includes permissions to create tags.

Add Tag (Up to 50 tags maximum)

Cancel Previous Review and Launch Next: Configure Security Group

Feedback English (US)

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CONFIGURING SECURITY GROUP:

Fri 12:34

Launch instance wizard | EC2 Management Console - Mozilla Firefox

Activities Firefox Web Browser ▾

Launch instance wizard | Firefox Privacy Notice | Download PUTTY:latest | Problem loading page | How to install putty (SSH) | 52.14.118.80/

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

AWS Services Resource Groups

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 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-2

Description: launch-wizard-2 created 2020-03-27T12:33:52.625+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.

Cancel Previous Review and Launch

Feedback English (US)

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Activities Firefox Web Browser Fri 12:34

Launch instance wizard | EC2 Management Console - Mozilla Firefox

Launch instance wizard | Firefox Privacy Notice | Download PUTTY:latest | Problem loading page | How to install putty (SSH) | 52.14.118.80/

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

Services Resource Groups

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

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.

AMI Details

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0e01ce4ee18447327

Free tier eligible

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.

Root Device Type: ebs Virtualization type: hvm

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-2

Description: launch-wizard-2 created 2020-03-27T12:33:52.625+05:30

Cancel **Previous** **Launch**

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EC2 INSTANCES:

Activities Firefox Web Browser Sun 01:54

Instances | EC2 Management Console - Mozilla Firefox

Instances | EC2 Management Console - Mozilla Firefox

https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:sort=instanceId

New EC2 Experience Tell us what you think

EC2 Dashboard New

Events New

Tags

Reports

Limits

INSTANCES

Instances

Instance Types

Launch Templates New

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts New

Capacity Reservations

IMAGES

AMIs

Bundle Tasks

ELASTIC BLOCK STORE

Volumes

Snapshots

Launch Instance Connect Actions

Select an instance above

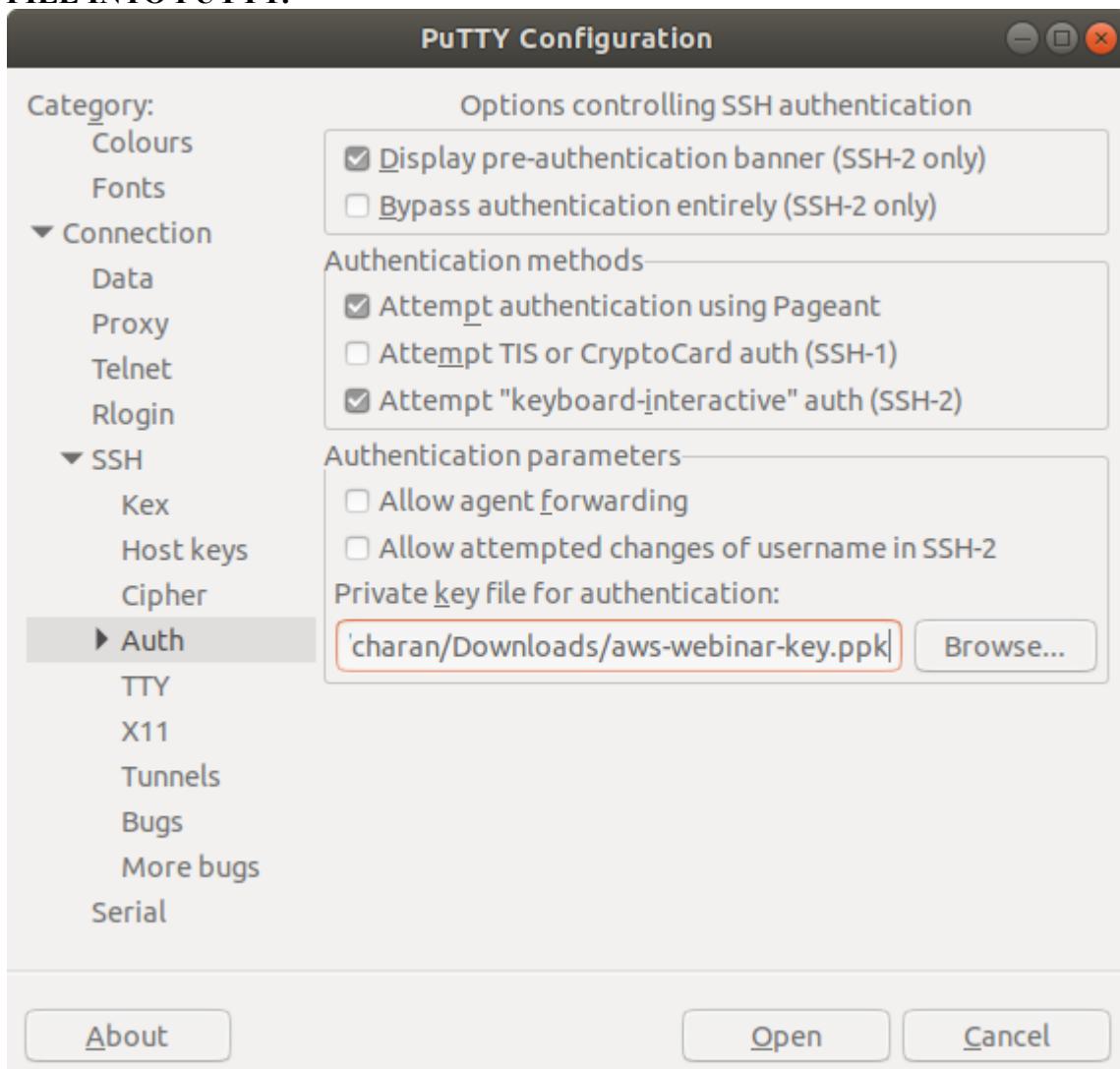
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.PEM FILE CONERSION TO .PPK FILE:

```
charan@charan-VirtualBox: ~/Downloads
File Edit View Search Terminal Help
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

charan@charan-VirtualBox:~$ sudo apt-get install putty -y
[sudo] password for charan:
Sorry, try again.
[sudo] password for charan:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  putty-tools
Suggested packages:
  _putty-doc
The following NEW packages will be installed:
  putty putty-tools
0 upgraded, 2 newly installed, 0 to remove and 94 not upgraded.
Need to get 788 kB of archives.
After this operation, 3,362 kB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu bionic/universe amd64 putty-tools amd64 0.70-4 [386 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu bionic/universe amd64 putty amd64 0.70-4 [401 kB]
Fetched 788 kB in 2s (437 kB/s)
Selecting previously unselected package putty-tools.
(Reading database ... 163880 files and directories currently installed.)
Preparing to unpack .../putty-tools_0.70-4_amd64.deb ...
Unpacking putty-tools (0.70-4) ...
Selecting previously unselected package putty.
Preparing to unpack .../putty_0.70-4_amd64.deb ...
Unpacking putty (0.70-4) ...
Setting up putty-tools (0.70-4) ...
Setting up putty (0.70-4) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for gnome-menus (3.13.3-1ubuntu1.1) ...
Processing triggers for mime-support (3.60ubuntu1) ...
Processing triggers for desktop-file-utils (0.23-1ubuntu3.18.04.2) ...
charan@charan-VirtualBox:~$ cd Downloads
charan@charan-VirtualBox:~/Downloads$ puttygen aws-webinar-key.pem -O private -o aws-webinar-key.ppk
puttygen: no such option '-O'
puttygen: cannot handle more than one input file
charan@charan-VirtualBox:~/Downloads$ puttygen aws-webinar-key.pem -O private -o aws-webinar-key.ppk
charan@charan-VirtualBox:~/Downloads$ exit
```

PPK FILE INTO PUYTY:



EC2 SCREEN:

The screenshot shows a terminal window titled "ec2-user@ip-172-31-0-58:~". The session begins with a login as "ec2-user" using a public key. It then displays the Amazon Linux 2 AMI logo. Below this, it shows the URL for the Amazon Linux 2 repository and indicates that 1 package(s) are needed for security, out of 7 available. It also suggests running "sudo yum update" to apply all updates. The command prompt "[ec2-user@ip-172-31-0-58 ~]\$ " is visible at the bottom.

```
login as: ec2-user
Authenticating with public key "imported-openssh-key"

              _\   _ 
             / \ /  Amazon Linux 2 AMI
             \_\_\_/_\

https://aws.amazon.com/amazon-linux-2/
1 package(s) needed for security, out of 7 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-0-58 ~]$
```

Fri 12:18

Instances | EC2 Management Console - Mozilla Firefox

ec2-user@ip-172-31-0-58:~

```

Verifying : mod_http2-1.15.3-2.amzn2.x86_64
Verifying : apr-1.6.5-amzn2.0.2.x86_64
Verifying : mailcap-1.41-2.amzn2.noarch
Verifying : generic-logos-httd-noarch-0:18.0.0-4.amzn2.noarch
Verifying : httpd-tools-2.4.41-1.amzn2.0.1.x86_64
9/9

```

Installed:

```

httpd,x86_64 0:2.4.41-1.amzn2.0.1

```

Dependency Installed:

```

apr,x86_64 0:1.6.3-5.amzn2.0.2
apr-util-bdb,x86_64 0:1.6.1-5.amzn2.0.2
httpd-filesystem,noarch 0:2.4.41-1.amzn2.0.1
mailcap,noarch 0:2.1.41-2.amzn2

```

Completed!

```

[ec2-user@ip-172-31-0-58 ~]$ 

```

apr.x86_64 0:1.b.5-5.amzn2.0.2
apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2
httpd-filesystem,noarch 0:2.4.41-1.amzn2.0.1
mailcap,noarch 0:2.1.41-2.amzn2

apr-util,x86_64 0:1.6.1-5.amzn2.0.2
generic-logos-httd,noarch 0:18.0.0-4.amzn2
httpd-tools,x86_64 0:2.4.41-1.amzn2.0.1
mod_http2,x86_64 0:1.15.3-2.amzn2

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Fri 12:19

Instances | EC2 Management Console - Mozilla Firefox

ec2-user@ip-172-31-0-58:~

```

Verifying : mod_http2-1.15.3-2.amzn2.x86_64
Verifying : apr-1.6.5-amzn2.0.2.x86_64
Verifying : mailcap-1.41-2.amzn2.noarch
Verifying : generic-logos-httd-noarch-0:18.0.0-4.amzn2.noarch
Verifying : httpd-tools-2.4.41-1.amzn2.0.1.x86_64
9/9

```

Installed:

```

httpd,x86_64 0:2.4.41-1.amzn2.0.1

```

Dependency Installed:

```

apr,x86_64 0:1.6.3-5.amzn2.0.2
apr-util-bdb,x86_64 0:1.6.1-5.amzn2.0.2
httpd-filesystem,noarch 0:2.4.41-1.amzn2.0.1
mailcap,noarch 0:2.1.41-2.amzn2

```

Completed!

```

[ec2-user@ip-172-31-0-58 ~]$ sudo vim /var/www/html/index.html

```

apr.x86_64 0:1.b.5-5.amzn2.0.2
apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2
httpd-filesystem,noarch 0:2.4.41-1.amzn2.0.1
mailcap,noarch 0:2.1.41-2.amzn2

apr-util,x86_64 0:1.6.1-5.amzn2.0.2
generic-logos-httd,noarch 0:18.0.0-4.amzn2
httpd-tools,x86_64 0:2.4.41-1.amzn2.0.1
mod_http2,x86_64 0:1.15.3-2.amzn2

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```
ec2-user@ip-172-31-0-58:~
```

Verifying : mod_http2-1.15.3-2.amzn2.x86_64 5/9
Verifying : apr-1.6.3-5.amzn2.0.2.x86_64 6/9
Verifying : mailcap-2.1.41-2.amzn2.noarch 7/9
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 8/9
Verifying : httpd-tools-2.4.41-1.amzn2.0.1.x86_64 9/9

Installed:
httpd,x86_64 0:2.4.41-1.amzn2.0.1

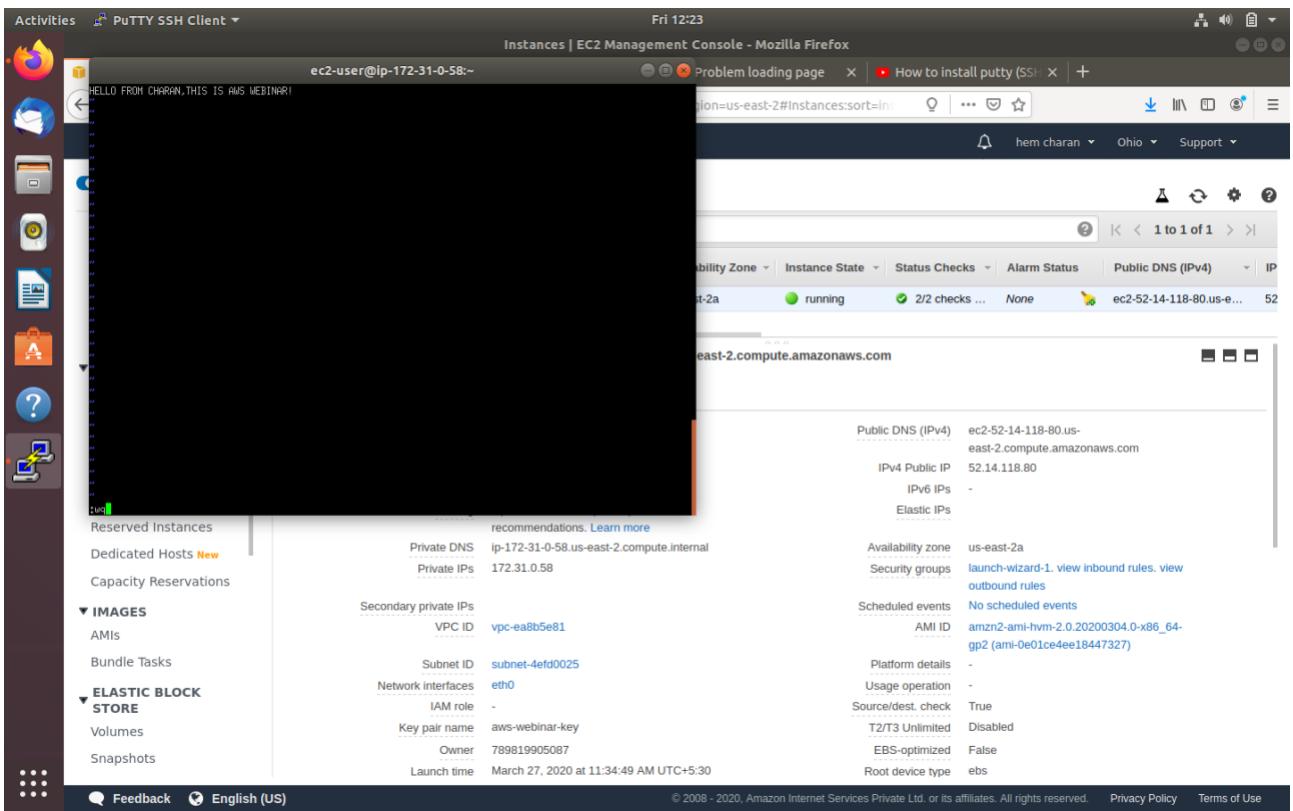
Dependency Installed:
apr,x86_64 0:1.6.3-5.amzn2.0.2
apr-util-bdb,x86_64 0:1.6.1-5.amzn2.0.2
httpd-filesystem,noarch 0:2.4.41-1.amzn2.0.1
mailcap,noarch 0:2.1.41-2.amzn2

apr-util,x86_64 0:1.6.1-5.amzn2.0.2
generic-logos-httpd,noarch 0:18.0.0-4.amzn2
httpd-tools,x86_64 0:2.4.41-1.amzn2.0.1
mod_http2,x86_64 0:1.15.3-2.amzn2

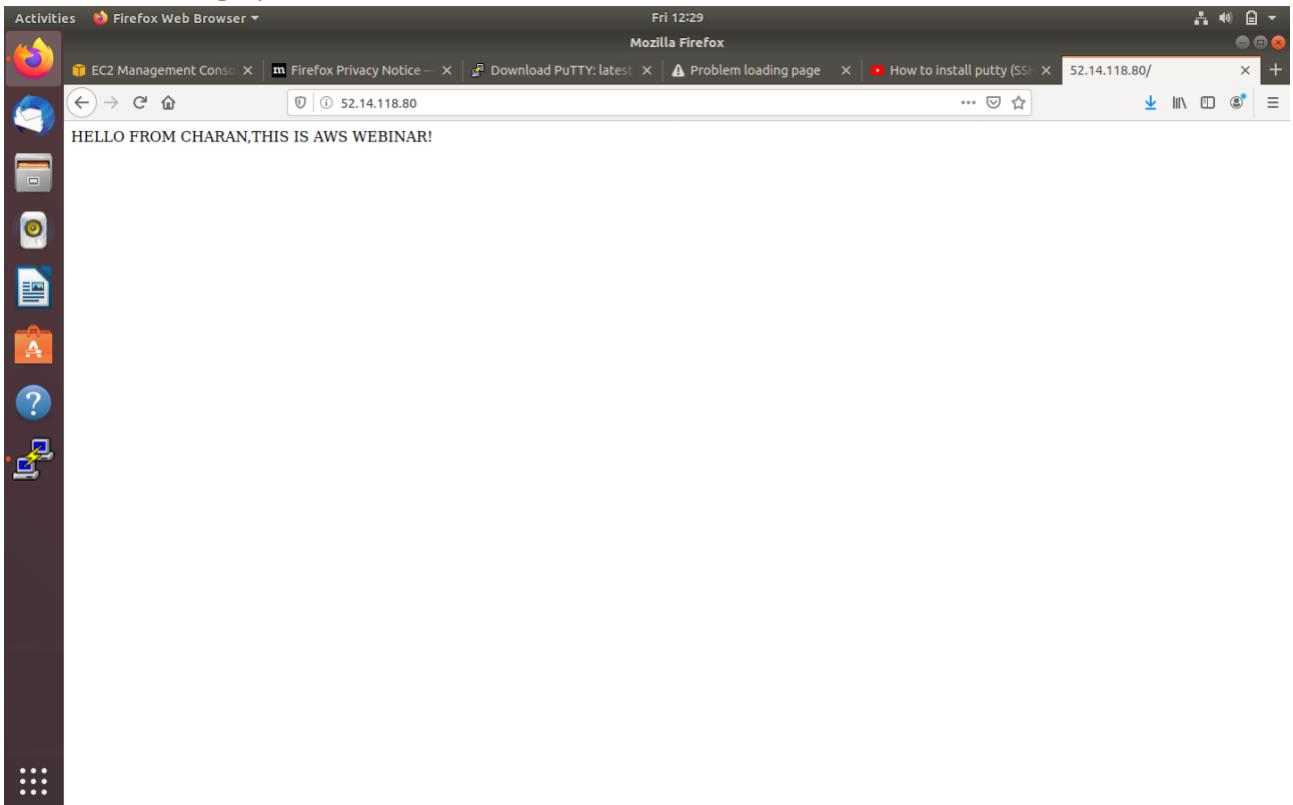
Complete!
[ec2-user@ip-172-31-0-58 ~]\$ sudo service httpd start
Redirecting to /bin/systemctl start httpd.service
[ec2-user@ip-172-31-0-58 ~]\$ sudo service httpd status
Redirecting to /bin/systemctl status httpd.service

● httpd.service - The Apache HTTP Server
 Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor preset: disabled)
 Active: active (running) since Fri 2020-03-27 06:47:12 UTC; 34s ago
 Docs: man:httpd.service(8)
 Main PID: 3744 (httpd)
 Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes served/sec: 0 B/sec"
 CGroup: /system.slice/httpd.service
 └─3744 /usr/sbin/httpd -DFOREGROUND
 ├─3745 /usr/sbin/httpd -DFOREGROUND
 ├─3746 /usr/sbin/httpd -DFOREGROUND
 ├─3747 /usr/sbin/httpd -DFOREGROUND
 ├─3748 /usr/sbin/httpd -DFOREGROUND
 └─3749 /usr/sbin/httpd -DFOREGROUND

Mar 27 06:47:12 ip-172-31-0-58.us-east-2.compute.internal systemd[1]: Starting The Apache HTTP Server...
Mar 27 06:47:12 ip-172-31-0-58.us-east-2.compute.internal systemd[1]: Started The Apache HTTP Server.
[ec2-user@ip-172-31-0-58 ~]\$ sudo vim/var/www/html/index.html



MY HTML PAGE:



The screenshot shows the AWS EC2 Management Console interface. The left sidebar includes links for Activities, Instances (selected), Services, Resource Groups, EC2 Dashboard (New), Events, Tags, Reports, Limits, Instances, Instance Types, Launch Templates (New), Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts (New), Capacity Reservations, Images, AMIs, Bundle Tasks, and Elastic Block Store (Volumes, Snapshots). The main content area displays a welcome message about the new EC2 console redesign. It shows resource counts: Running Instances (1), Elastic IPs (0), Dedicated Hosts (0), Snapshots (0), Volumes (1), Load balancers (0), Key pairs (1), Security groups (2), and Placement groups (0). A callout box suggests using the AWS Launch Wizard for Microsoft SQL Server Always On availability groups. The right sidebar contains sections for Account attributes (with a 'Edit' button), Supported platforms (VPC), Default VPC (vpc-ea8b5e81), Console experiments, and Settings. An 'Explore AWS' section offers tips for optimizing EC2 costs and performance with Spot Instances and combining On-Demand, Spot, Savings Plans, and RIS resources.

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.

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

Running Instances	1	Elastic IPs	0
Dedicated Hosts	0	Snapshots	0
Volumes	1	Load balancers	0
Key pairs	1	Security groups	2
Placement groups	0		

Easily size, configure, and deploy Microsoft SQL Server Always On availability groups on AWS using the AWS Launch Wizard for SQL Server. [Learn more](#)

Launch instance

Feedback English (US)

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S3 DASHBOARD:

Fri 16:28 S3 Management Console - Mozilla Firefox

S3 Management Console X Firefox Privacy Notice X Download PUTTY: latest X 52.14.118.80/ X How to install putty (SSH) X 52.14.118.80/ X +

Activities Firefox Web Browser

https://s3.console.aws.amazon.com/s3/home?region=us-east-2

AWS Services Resource Groups

Amazon S3

Buckets

- Batch operations
- Access analyzer for S3

Block public access (account settings)

Feature spotlight 2

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.

Successfully created bucket aws-webinar-bk

To upload files and folders, or to configure additional bucket settings such as Bucket Versioning, tags, and default encryption, choose Go to bucket details.

Go to bucket details X

Amazon S3

Buckets (1)

Name	Region	Access	Bucket created
aws-webinar-bk	US East (Ohio) us-east-2	Not Public	2020-03-27T10:58:21.000Z

Copy ARN Empty Delete Create bucket

Find bucket by name < 1 > ⌂

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CREATING A OBJECT:

Fri 16:29 S3 Management Console - Mozilla Firefox

S3 Management Console X Firefox Privacy Notice X Download PUTTY: latest X 52.14.118.80/ X How to install putty (SSH) X 52.14.118.80/ X +

Activities Firefox Web Browser

https://s3.console.aws.amazon.com/s3/buckets/aws-webinar-bk/?region=us-east-2

AWS Services Resource Groups

Amazon S3 > aws-webinar-bk

aws-webinar-bk

Overview Properties Permissions Management Access points

Upload + Create folder Download Actions US East (Ohio) ⌂

This bucket is empty. Upload new objects to get started.

Upload an object Set object properties Set object permissions

Buckets are globally unique containers for everything that you store in Amazon S3.

After you create a bucket, you can upload your objects (for example, your photo or video files).

By default, the permissions on an object are private, but you can set up access control policies to grant permissions to others.

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UPLOADING OBJECTS:

The screenshot shows the AWS S3 Management Console in Mozilla Firefox. A modal window titled "Upload" is open, divided into four steps: 1. Select files (with a checkmark), 2. Set permissions, 3. Set properties, and 4. Review. Step 1 is completed, showing "1 Files Size: 14.0 B Target path: aws-webinar-bk". Step 2, "Manage users", lists "hemcharanbagul809(Owner)" with "Read" checked under "Object permissions". Step 3, "Access for other AWS account", has an "Add account" button. Step 4, "Manage public permissions", has a note about block public access being turned off and a dropdown set to "Do not grant public read access to this object(s) (Recommended)". At the bottom are "Upload" and "Next" buttons. The main S3 dashboard shows the bucket "aws-webinar-bk" with 1 item.

This screenshot is identical to the one above, showing the "Upload" modal in step 1. It includes a note: "To upload a file larger than 160 GB, use the AWS CLI, AWS SDK, or Amazon S3 REST API. Learn more" with a link icon. The "Upload" and "Next" buttons are visible at the bottom. The main S3 dashboard is partially visible in the background.

Fri 16:42

S3 Management Console - Mozilla Firefox

https://s3.console.aws.amazon.com/s3/buckets/aws-webinar-bk/?region=us-east-2

Upload

Select files Set permissions Set properties Review

1 Files Size: 14.0 B Target path: aws-webinar-bk

Storage class

Choose a storage class based on your use case and access requirements. [Learn more](#) or see [Amazon S3 pricing](#)

Storage class	Designed for	Availability Zones	Min storage duration	Min billable object size	Monitoring and automation fees	Retrieval fees
Standard	Frequently accessed data	≥ 3	-	-	-	-
Intelligent-Tiering	Long-lived data with changing or unknown access patterns	≥ 3	30 days	-	Per-object fees apply	-
Standard-IA	Long-lived, infrequently accessed data	≥ 3	30 days	128KB	-	Per-GB fees apply
One Zone-IA	Long-lived, infrequently accessed, non-critical data	≥ 1	30 days	128KB	-	Per-GB fees apply
Glacier	Archive data with retrieval times ranging from minutes to hours	≥ 3	90 days	40KB	-	Per-GB fees apply
Glacier Deep Archive	Archive data that rarely, if ever, needs to be retrieved	≥ 3	180 days	40KB	-	Per-GB fees apply

Upload Previous Next

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The screenshot shows the AWS S3 Management Console interface. A file named 'aws-webinar-bk' has been selected for upload. The 'Set properties' step is displayed, specifically the 'Storage class' section. The table compares six storage classes: Standard, Intelligent-Tiering, Standard-IA, One Zone-IA, Glacier, and Glacier Deep Archive. The 'Glacier' row is highlighted. The table includes columns for 'Designed for', 'Availability Zones', 'Min storage duration', 'Min billable object size', 'Monitoring and automation fees', and 'Retrieval fees'. The 'Glacier' row indicates it's for archive data with retrieval times from minutes to hours, stored in ≥ 3 Availability Zones, with a 90-day minimum storage duration and 40KB minimum billable object size. Monitoring and automation fees apply, and retrieval fees are per-GB. The 'Standard' row is also visible.

Activities Firefox Web Browser Fri 16:31

S3 Management Console - Mozilla Firefox

Firefox Privacy Notice | Download PUTTY: latest | 52.14.118.80/ | How to install putty (SSH) | 52.14.118.80/

https://s3.console.aws.amazon.com/s3/buckets/aws-webinar-bk/?region=us-east-2

AWS Services Resource Groups

Amazon S3 > aws-webinar-bk

aws-webinar-bk

Overview Properties Permissions Management Access points

Type a prefix and press Enter to search. Press ESC to clear.

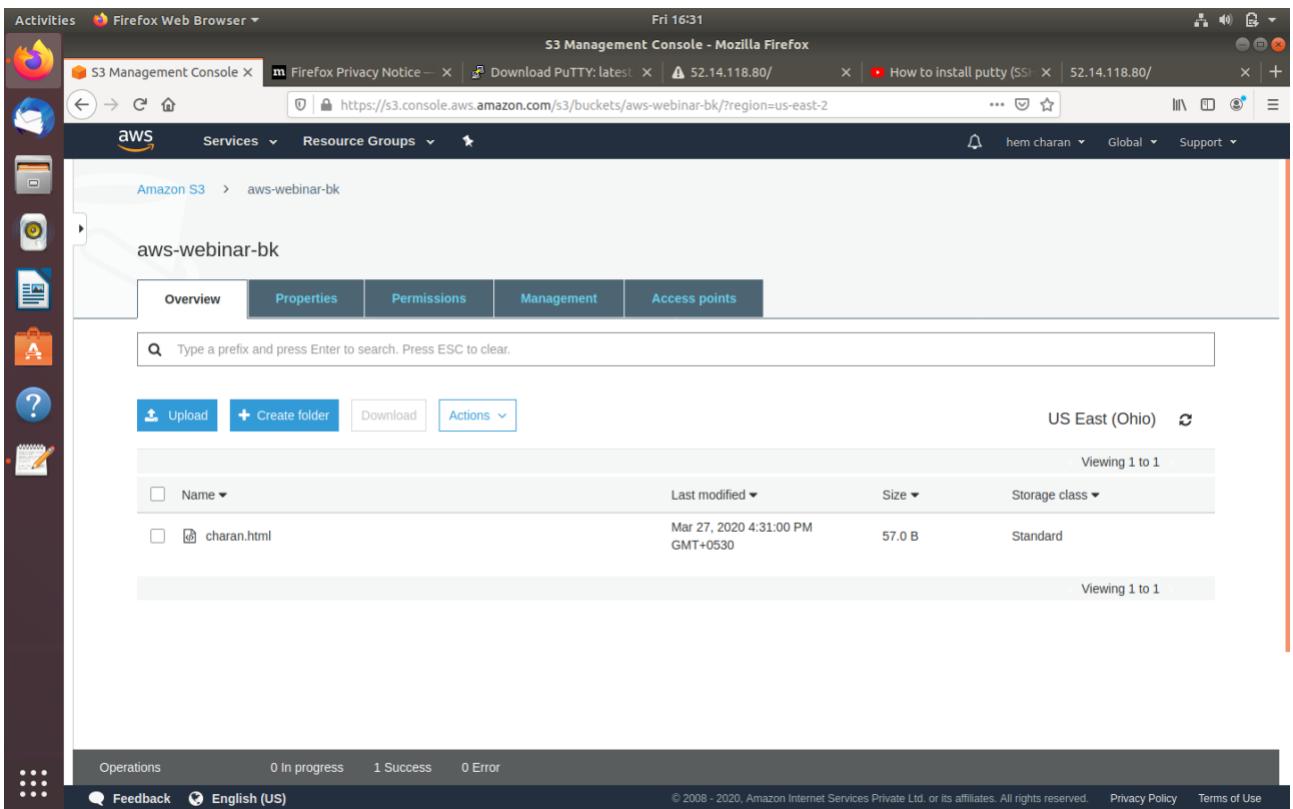
Upload + Create folder Download Actions US East (Ohio)

Name	Last modified	Size	Storage class
charan.html	Mar 27, 2020 4:31:00 PM GMT+0530	57.0 B	Standard

Viewing 1 to 1

Operations 0 In progress 1 Success 0 Error

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Activities Firefox Web Browser Fri 16:32

S3 Management Console - Mozilla Firefox

Firefox Privacy Notice | Download PUTTY: latest | 52.14.118.80/ | How to install putty (SSH) | 52.14.118.80/

https://s3.console.aws.amazon.com/s3/buckets/aws-webinar-bk/?region=us-east-2

AWS Services Resource Groups

Amazon S3 > aws-webinar-bk

aws-webinar-bk

Overview Properties Permissions Management Access points

Type a prefix and press Enter to search. Press ESC to clear.

Upload + Create folder Download Actions

Name	Last modified
charan.html	Mar 27, 2020 4:31:00 PM GMT+0530

Latest version

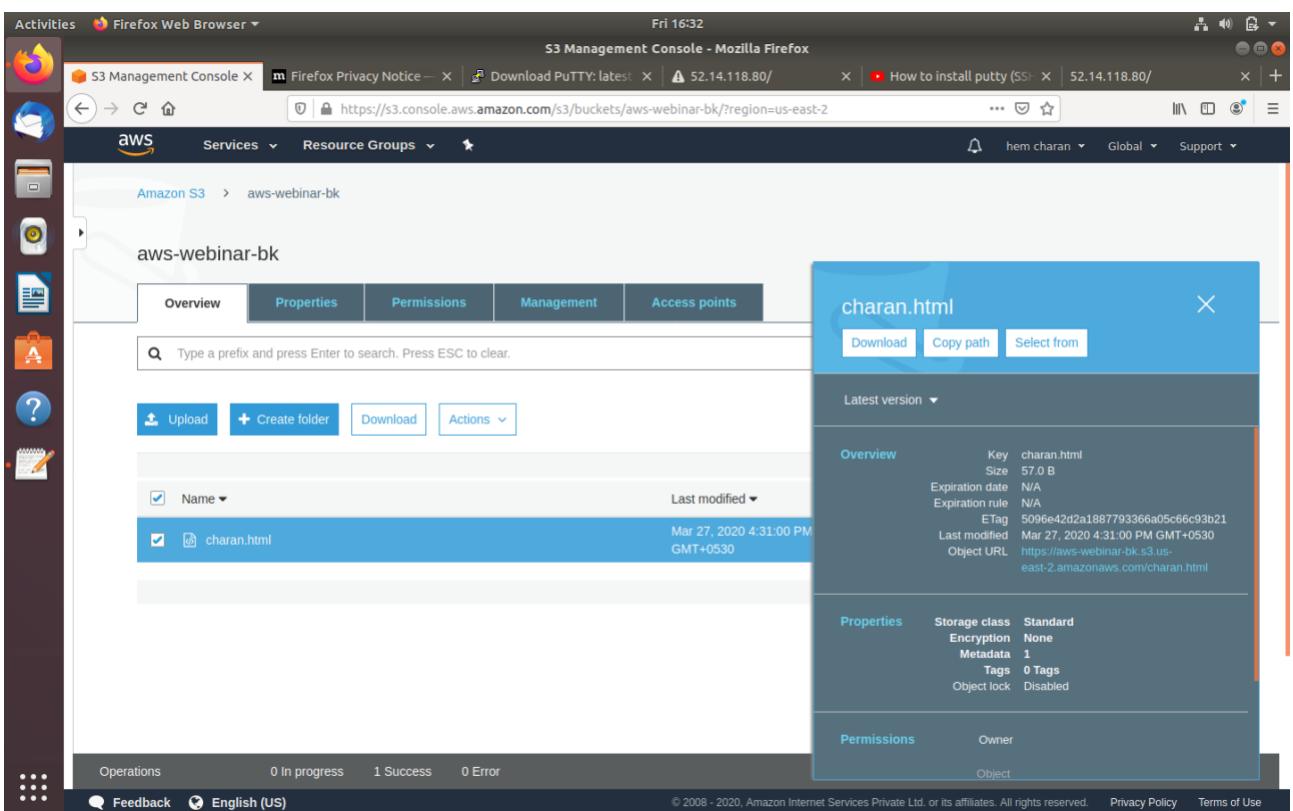
charan.html Overview Key charan.html
Size 57.0 B
Expiration date N/A
Expiration rule N/A
ETag 5096e42d2a1887793366a05c66c93b21
Last modified Mar 27, 2020 4:31:00 PM GMT+0530
Object URL https://aws-webinar-bk.s3.us-east-2.amazonaws.com/charan.html

Properties Storage class Standard
Encryption None
Metadata 1
Tags 0 Tags
Object lock Disabled

Permissions Owner
Object

Operations 0 In progress 1 Success 0 Error

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Activities Firefox Web Browser Fri 16:33

S3 Management Console - Mozilla Firefox

S3 Management Console X Firefox Privacy Notice X Download PUTTY: latest X 52.14.118.80/ X How to install putty (SSH) X 52.14.118.80/ X +

https://s3.console.aws.amazon.com/s3/object/aws-webinar-bk/charan.html?region=us-east-2

AWS Services Resource Groups

charan.html Latest version

Overview Properties Permissions Select from

Open Download Download as Make public Copy path

Owner cbba0b51701e6b6708ef1560bf6d4ce1c643463a345d5917179d91739b5b3f7a

Last modified Mar 27, 2020 4:31:00 PM GMT+0530

Etag 5096e42d2a1887793366a05c66c93b21

Storage class Standard

Server-side encryption None

Size 57.0 B

Key charan.html

Object URL <https://aws-webinar-bk.s3.us-east-2.amazonaws.com/charan.html>

Operations 0 In progress 1 Success 0 Error

Feedback English (US)

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This screenshot shows the AWS S3 Management Console interface. A file named 'charan.html' is selected. The 'Properties' tab is active. The file was last modified on March 27, 2020, at 4:31:00 PM GMT+0530. It has an Etag of 5096e42d2a1887793366a05c66c93b21 and is stored in the Standard storage class. The size of the file is 57.0 B. The key for the object is 'charan.html'. The object URL is provided as a link.

Activities Firefox Web Browser Fri 16:33

Mozilla Firefox

S3 Management Co X aws-webinar-bk.s3.us-e X Firefox Privacy Not X Download PUTTY: i X 52.14.118.80/ X How to install putty (SSH) X 52.14.118.80/ X +

https://aws-webinar-bk.s3.us-east-2.amazonaws.com/charan.html

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<Error>
<Code>AccessDenied</Code>
<Message>Access Denied</Message>
<RequestId>9FCE46425A3C7BA3</RequestId>
<HostId>
rqH7mKvx5mMZ2wFCpsE6vVGO0mitFm/2Xx8SDIRiQKHfwvVCgP6884TyNFcudsysFMSRXuNvrsgg=
</HostId>
</Error>
```

This screenshot shows a browser window displaying an XML error response. The error code is 'AccessDenied' and the message is 'Access Denied'. The request ID is '9FCE46425A3C7BA3'. The host ID is 'rqH7mKvx5mMZ2wFCpsE6vVGO0mitFm/2Xx8SDIRiQKHfwvVCgP6884TyNFcudsysFMSRXuNvrsgg='.

The screenshot shows the AWS S3 Management Console interface. The top navigation bar includes tabs for Activities, Firefox Web Browser, Services (selected), Resource Groups, and Support. The main content area shows the 'aws-webinar-bk' bucket under 'Amazon S3'. The 'Properties' tab is selected. On the right, there are six cards: 'Versioning' (disabled), 'Server access logging' (disabled), 'Static website hosting' (disabled), 'Object-level logging' (disabled), 'Default encryption' (disabled), and 'Metrics' (disabled). At the bottom, there are links for Feedback, English (US), Privacy Policy, and Terms of Use.

ENABLING STATIC WEBSITE:

The screenshot shows the AWS S3 Management Console interface. The top navigation bar includes tabs for Activities, Firefox Web Browser, Services (selected), Resource Groups, and Support. The main content area shows the 'aws-webinar-bk' bucket under 'Amazon S3'. The 'Properties' tab is selected. A 'Static website hosting' dialog box is open on the right side. It contains fields for the Endpoint (http://aws-webinar-bk.s3-website.us-east-2.amazonaws.com), 'Use this bucket to host a website' (checked), 'Index document' (charan.html), 'Error document' (error.html), and 'Redirection rules (optional)'. At the bottom, there are links for Operations, Feedback, English (US), Privacy Policy, and Terms of Use.

ENABLING PUBLIC ACCESS:

The screenshot shows the AWS S3 Management Console in a Firefox browser window. The URL is <https://s3.console.aws.amazon.com/s3/buckets/aws-webinar-bk/?region=us-east-2&tab=permissions>. The page displays the 'Permissions' tab of the bucket's configuration. Under the 'Block public access' section, there is a sub-section titled 'Block all public access' which is currently set to 'Off'. This section contains four items, each with a 'Off' status: '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'. A success message box at the top right indicates 'Public access settings updated successfully'. The browser's address bar shows multiple tabs, including 'aws-webinar-bk.s3...', 'Firefox Privacy', 'Download Putt', '52.14.118.80', 'How to install p...', and '/tmp/mozilla_chara...'. The Firefox interface includes a sidebar with various icons and a status bar at the bottom.

Activities Firefox Web Browser ▾

Fri 16:33

S3 Management Console - Mozilla Firefox

S3 Management Console X Firefox Privacy Notice X Download PuTTY: latest X 52.14.118.80/ X How to install putty (SS X 52.14.118.80/ X +

https://s3.console.aws.amazon.com/s3/object/aws-webinar-bk/charan.html?region=us-east-2

AWS Services Resource Groups

charan.html Latest version

Overview Properties Permissions Select from

Open Download Download as Make public Copy path

Owner cbba0b51701e6b6708ef1560bf6d4ce1c643463a345d5917179d91739b5b3f7a

Last modified Mar 27, 2020 4:31:00 PM GMT+0530

Etag 5096e42d2a1887793366a05c66c93b21

Storage class Standard

Server-side encryption None

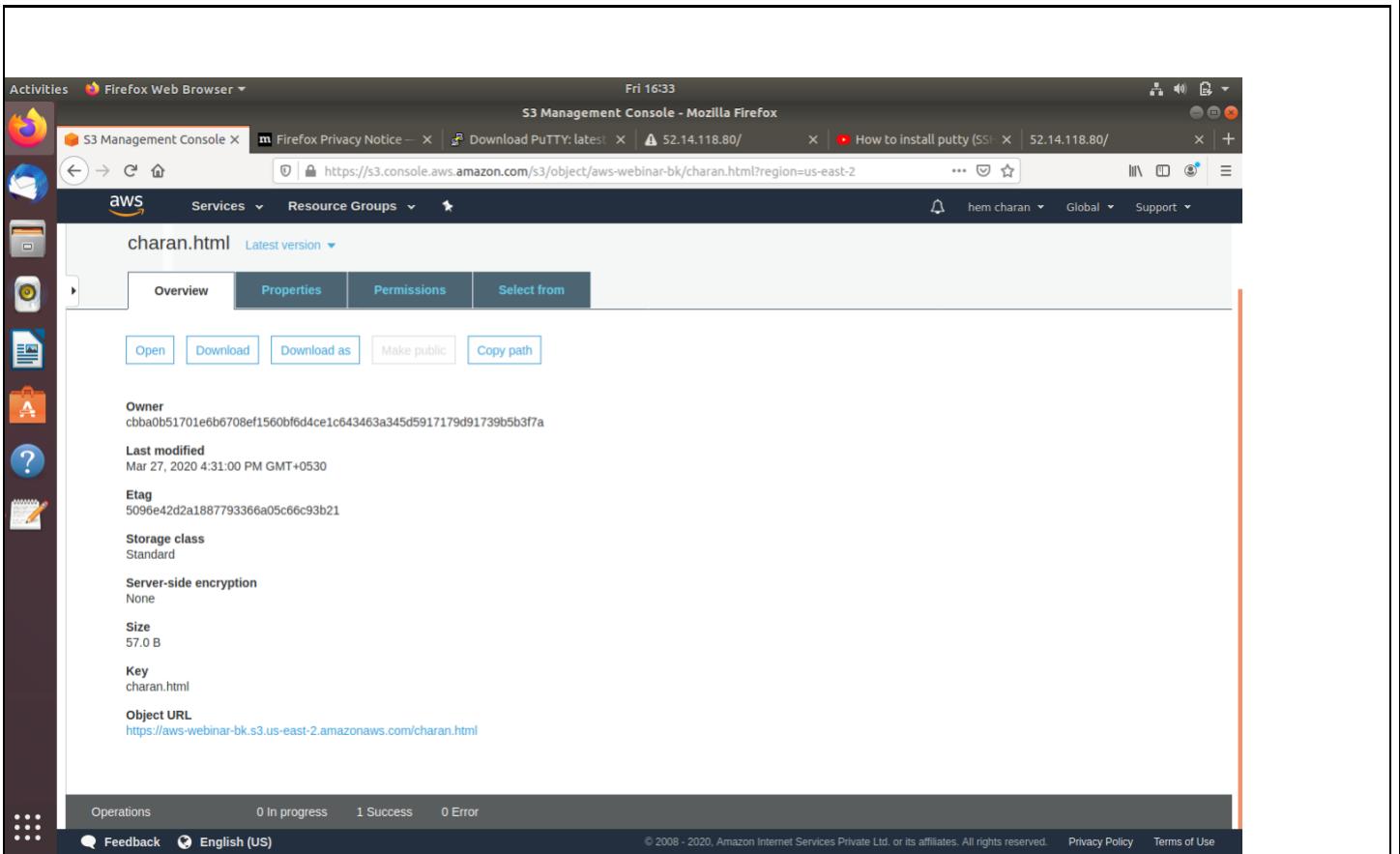
Size 57.0 B

Key charan.html

Object URL <https://aws-webinar-bk.s3.us-east-2.amazonaws.com/charan.html>

Operations 0 In progress 1 Success 0 Error

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S3 LINK ON BROWSER:

Activities Firefox Web Browser ▾

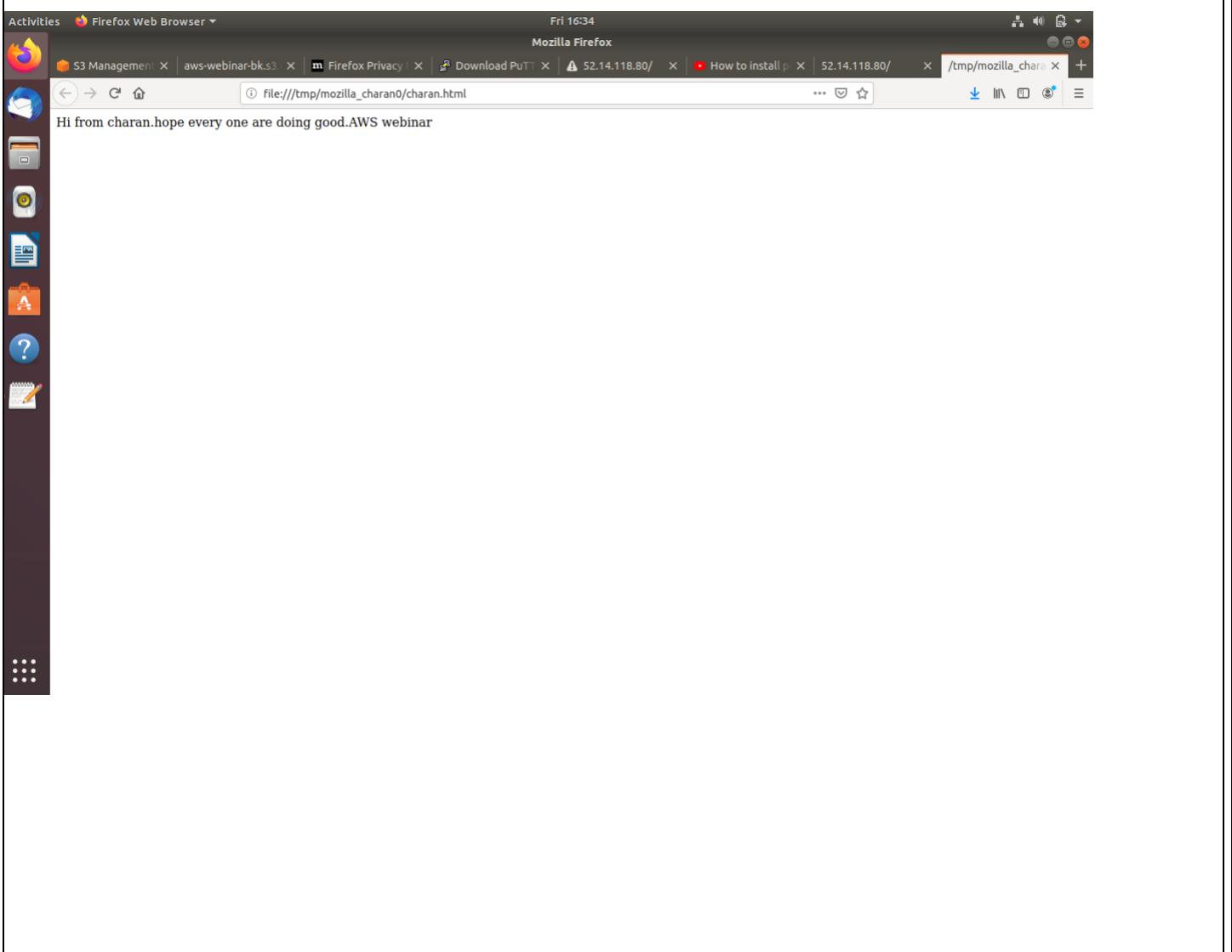
Fri 16:34

Mozilla Firefox

S3 Management aws-webinar-bk.s3. X Firefox Privacy X Download PUTT X 52.14.118.80/ X How to install p X 52.14.118.80/ X /tmp/mozilla_charan0 X +

file:///tmp/mozilla_charan0/charan.html

Hi from charan.hope every one are doing good.AWS webinar



REKOGNITION DASBOARD:

Sun 01:53

Rekognition Console - Mozilla Firefox

Activities Firefox Web Browser ▾

Laun Re X bk.jpg aws-wet 404 Not aws-wet Fire Dow 52.14.11 How 52.14.11 /tmp/mx 71XWC Goog Inbo 3.21.230 bk.jr > + v

aws Services Resource Groups

hem charan 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
- Metrics
- Additional Resources
- Getting started guide
- Download SDKs

Amazon Rekognition

Deep learning-based visual analysis service
Search, verify, and organize millions of images and videos

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 Rekognition's high quality image and video analysis for your web, mobile, enterprise or device applications. Amazon Rekognition removes the complexity of building



Continuously Learning

Amazon Rekognition is designed to use deep learning technology to analyze billions of images and videos daily. It is continuously learning as we add support for new capabilities and learn from more and more data.



Integrated with AWS Services

Amazon Rekognition is designed to work seamlessly with other AWS services. Rekognition integrates directly with Amazon S3 and AWS Lambda so you can build scalable, affordable, and reliable visual analysis applications. You can start analyzing images and videos stored in Amazon

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Feedback English (US)

REKOGNITION: OBJECT AND SCENE DETECTION:

Sun 00:29

Rekognition Console - Mozilla Firefox

Activities Firefox Web Browser AWS Rekognition bk.jpg aws-well 404 Not aws-well m Fire! Dow 52.14.1 How 52.14.1 /tmp/m 71XWC Go Inbo 3.21.230 bkji > +

https://us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/label-detection

Services Resource Groups

hem charan Ohio Support

Amazon Rekognition

Custom Labels New

Use Custom Labels

Demos

Object and scene detection (selected)

Image moderation

Facial analysis

Celebrity recognition

Face comparison

Text in image

Video Demos

Video analysis

Metrics

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Download SDKs

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Done with the demo? Learn more

Object and scene detection

Rekognition automatically labels objects, concepts and scenes in your images, and provides a confidence score.



Results

Transportation	98.8 %
Automobile	98.8 %
Vehicle	98.8 %
Car	98.8 %
Person	98.3 %
Human	98.3 %

Show more

Request Response

Choose a sample image

Use your own image

Image must be .jpeg or .png format and no larger than 5MB. Your image isn't stored.

Upload or drag and drop

Use image URL Go

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FACIAL ANALYSIS:

Sun 00:28

Rekognition Console - Mozilla Firefox

Activities Firefox Web Browser AWS Rekognition bk.jpg aws-well 404 Not aws-well m Fire! Dow 52.14.1 How 52.14.1 /tmp/m 71XWC Go Inbo 3.21.230 bkji > +

https://us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/face-detection

Services Resource Groups

hem charan Ohio Support

Amazon Rekognition

Custom Labels New

Use Custom Labels

Demos

Object and scene detection

Image moderation

Facial analysis (selected)

Celebrity recognition

Face comparison

Text in image

Video Demos

Video analysis

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Feedback English (US)

Done with the demo? Learn more

Facial analysis

Get a complete analysis of facial attributes, including confidence scores.



Results

looks like a face	99.9 %
appears to be female	99.9 %
age range	17 - 29 years old
smiling	91.7 %
appears to be happy	99.5 %
wearing glasses	99.8 %

Show more

Request

Choose a sample image

Use your own image

Image must be .jpeg or .png format and no larger than 5MB. Your image isn't stored.

Upload or drag and drop

Use image URL Go

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FACE COMPARISON:

Sun 00:29

Rekognition Console - Mozilla Firefox

Activities Firefox Web Browser ▾

AWS bk.jpg aws-wet 404 Not aws-wet Firef Dow 52.14.1 How 52.14.1 /tmp/mc 71XWCr Goos Info 3.21.230 bk.jl > +

https://us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/face-comparison

Services Resource Groups

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 Metrics Additional Resources Getting started guide Download SDKs

Feedback English (US)

Face comparison

Compare faces to see how closely they match based on a similarity percentage.

Reference face Comparison faces

Done with the demo? Learn more

Results

Similarity 99.8 %

Choose a sample image Choose a sample image

Use your own image

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CELEBRITY RECOGNITION:

Sun 00:29

Rekognition Console - Mozilla Firefox

Activities Firefox Web Browser ▾

AWS bk.jpg aws-wet 404 Not aws-wet Firef Dow 52.14.1 How 52.14.1 /tmp/mc 71XWCr Goos Info 3.21.230 bk.jl > +

https://us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/celebrity-detection

Services Resource Groups

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 Metrics Additional Resources Getting started guide Download SDKs

Feedback English (US)

Celebrity recognition

Rekognition automatically recognizes celebrities in images and provides confidence scores.

Done with the demo? Learn more

Results

Jeff Bezos Learn More

Match confidence 100 %

Request Response

Choose a sample image Use your own image

Image must be jpg or png format and no larger than 5MB. Your image isn't stored.

Upload or drag and drop

Use image URL Go

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TEXT IN IMAGE:

Sun 00:29

Rekognition Console - Mozilla Firefox

Activities Firefox Web Browser ▾

AWS Re X bkjpg(.) aws-wel 404 Not aws-wel Firef Dow 52.14.11 How 52.14.11 /tmp/mc 71XWC Goo Info 3.21.230 bkji > +

aws Services Resource Groups

Amazon Rekognition

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Face comparison

Text in image

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Text in image

Rekognition automatically detects and extracts text in your images. [Learn More](#)



Done with the demo? [Learn more](#)

Results US English only

| IT'S |
| MONDAY |
| but | keep |
| Smiling |

Request

Response

Choose a sample image

Use your own image

Image must be .jpeg or .png format and no larger than 5MB. Your image isn't stored.

Upload or drag and drop

Use image URL Go

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INSTALLING PHP:

```
Activities  PuTTY SSH Client ▾ Sun 00:04
ec2-user@ip-172-31-29-106:~
```

Login as: ec2-user
Authenticating with public key "imported-openssh-key"

```
[ec2-user@ip-172-31-29-106 ~]$ sudo yum update
[ec2-user@ip-172-31-29-106 ~]$ sudo yum install php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-updates
Resolving Dependencies
--> Package php.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: php-cli(x86_64) = 5.4.16-46.amzn2.0.2 for package: php
php.x86_64 depends on php-common(x86_64) = 5.4.16-46.amzn2.0.2 for package: php
--> Processing Dependency: httpd-min = 20120211x86_64 for package: php-5.4.16-46.
amzn2.0.2.x86_64
--> Processing Dependency: httpd for package: php-5.4.16-46.amzn2.0.2.x86_64
--> Processing Dependency: httpd-mmn = 20120211x86_64 for package: php-5.4.16-46.
amzn2.0.2.x86_64
--> Processing Dependency: httpd-mmn = 20120211x86_64 for package: httpd-2.4.41-1.
amzn2.0.1
--> Package httpd.x86_64 0:2.4.41-1.amzn2.0.1 will be installed
--> Processing Dependency: httpd-tools = 2.4.41-1.amzn2.0.1 for package: httpd-2.
4.41-1.amzn2.0.1.x86_64
--> Processing Dependency: httpd-filesystem = 2.4.41-1.amzn2.0.1 for package: ht
tpd-2.4.41-1.amzn2.0.1.x86_64
--> Processing Dependency: system-logos-httd for package: httpd-2.4.41-1.amzn2.
0.1.x86_64
--> Processing Dependency: mod_http2 for package: httpd-2.4.41-1.amzn2.0.1.x86_6
4
--> Processing Dependency: httpd-filesystem for package: httpd-2.4.41-1.amzn2.0.
1.x86_64
--> Processing Dependency: /etc/mime.types for package: httpd-2.4.41-1.amzn2.0.1
.x86_64
--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.4.41-
1.amzn2.0.1.x86_64
--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.4.41-1.am
zn2.0.1.x86_64
--> Package php-5.4.16-46.amzn2.0.2 will be installed
--> Package php-common.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Package libzip.so.2(64bit) for package: php-common-5.4.16-4
6.amzn2.0.2.x86_64
--> Processing Dependency: apr.x86_64 0:1.6.3-5.amzn2.0.2 will be installed
--> Package apr-util.x86_64 0:1.6.3-5.amzn2.0.2 will be installed
--> Processing Dependency: apr-util-bdb(x86_64) = 1.6.1-5.amzn2.0.2 for package:
apr-util-1.6.1-5.amzn2.0.2.x86_64
--> Package generic-logos-httd.noarch 0:18.0.0-4.amzn2 will be installed
--> Package httpd-filesystem.noarch 0:2.4.41-1.amzn2.0.1 will be installed
--> Package httpd-mmn.noarch 0:2.4.41-1.amzn2.0.1 will be installed
--> Package libcap.so(0.10-13.amzn2.0.5) will be installed
--> Package mailcap.noarch 0:2.1.41-2.amzn2 will be installed
--> Package mod_http2.x86_64 0:1.15.3-2.amzn2 will be installed
--> Processing Dependency: httpd-filesystem for package: httpd-2.4.41-1.amzn2.0.
1.x86_64
--> Package apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Finished Dependency Resolution
```

Dependencies Resolved

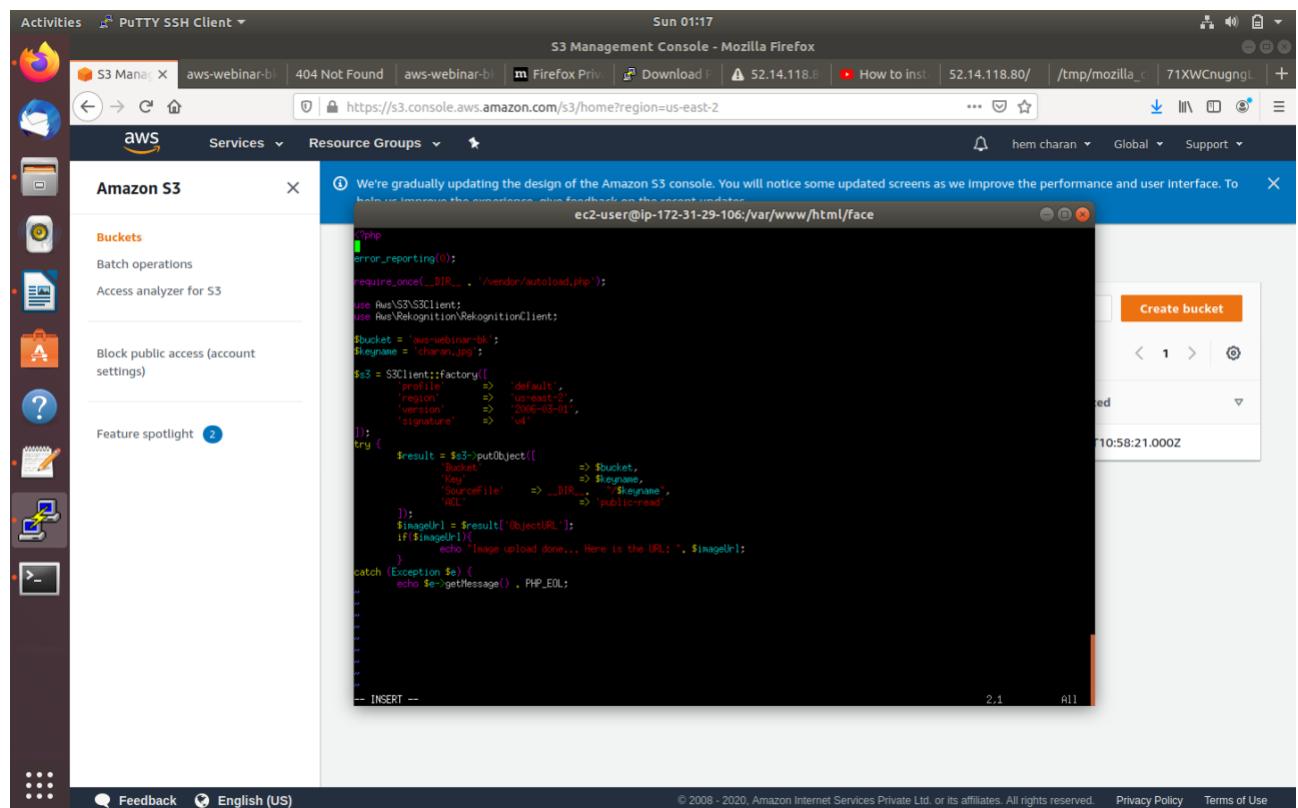
Package	Version	Repository	Size
httpd-tools.x86_64	0:2.4.41-1.amzn2.0.1	amzn2-updates	400 k
libaprutil0-compat.x86_64	0:1.6.3-9.amzn2.0.1	amzn2-updates	12 k
mod_http2.x86_64	0:1.15.3-2.amzn2	amzn2-updates	12 k
php-cli.x86_64	0:5.4.16-46.amzn2.0.2	amzn2-updates	12 k
php-common.x86_64	0:5.4.16-46.amzn2.0.2	amzn2-updates	12 k
apr.x86_64	0:1.6.3-5.amzn2.0.2	amzn2-updates	12 k
apr-util.x86_64	0:1.6.3-5.amzn2.0.2	amzn2-updates	12 k
apr-util-bdb(x86_64)	1.6.1-5.amzn2.0.2	amzn2-updates	12 k
generic-logos-httd.noarch	0:18.0.0-4.amzn2	amzn2-updates	12 k
httpd-filesystem.noarch	0:2.4.41-1.amzn2.0.1	amzn2-updates	12 k
httpd-mmn.noarch	0:2.4.41-1.amzn2.0.1	amzn2-updates	12 k
libcap.so(0.10-13.amzn2.0.5)	0.10-13.amzn2.0.5	amzn2-updates	12 k
mailcap.noarch	0:2.1.41-2.amzn2	amzn2-updates	12 k
mod_http2.x86_64	0:1.15.3-2.amzn2	amzn2-updates	12 k
apr-util-bdb.x86_64	0:1.6.1-5.amzn2.0.2	amzn2-updates	12 k

INSTALLING AWS-SDK:

```
Activities  PuTTY SSH Client ▾ Sun 00:22
ec2-user@ip-172-31-29-106:/var/www/html/face
```

```
[ec2-user@ip-172-31-29-106 ~]$ curl -sS https://getcomposer.org/installer | php
All settings correct for using Composer
Downloading...
Composer (version 1.10.1) successfully installed to: /home/ec2-user/composer.phar
Use it: php composer.phar
[ec2-user@ip-172-31-29-106 ~]$ cd /var/www/html
[ec2-user@ip-172-31-29-106 html]$ sudo mkdir face
[ec2-user@ip-172-31-29-106 html]$ cd face
[ec2-user@ip-172-31-29-106 Face]$ pwd
/var/www/html/face
[ec2-user@ip-172-31-29-106 Face]$ sudo swapon --show
[ec2-user@ip-172-31-29-106 Face]$ df -h
Filesystem      Size   Used Avail Use% Mounted on
devtmpfs        479M     0  479M  0% /dev
tmpfs          492M     0  492M  0% /dev/shm
tmpfs          492M     0  492M  0% /run
tmpfs          492M     0  492M  0% /sys/fs/cgroup
/dev/xvda1       8.0G  1.3G  6.8G  16% /
tmpfs          99M     0  99M  0% /run/user/1000
[ec2-user@ip-172-31-29-106 Face]$ sudo swapoff -a
[ec2-user@ip-172-31-29-106 Face]$ sudo /bin/dd if=/dev/zero of=/var/swap.1 bs=1M count=1024
[ec2-user@ip-172-31-29-106 Face]$ dd: open '/var/swap.1': No such file or directory
[ec2-user@ip-172-31-29-106 Face]$ sudo /bin/dd if=/dev/zero of=/var/swapfile bs=1M count=1024
1024+0 records in
1024+0 records out
10/3741824 bytes (1.1 GB), copied: 13.5707 s, 80.3 MB/s
[ec2-user@ip-172-31-29-106 Face]$ sudo /sbin/mkswap /swapfile
[ec2-user@ip-172-31-29-106 Face]$ mkswap /swapfile
Setting up swap space version 1, size = 1024 MB (107377728 bytes)
no label, UUID=b753d758-ea94-45f9-a579-0fe59b0fba0
[ec2-user@ip-172-31-29-106 Face]$ sudo /sbin/swapon /swapfile
swapon: /swapfile: insecure permissions 0644, 0600 suggested.
[ec2-user@ip-172-31-29-106 Face]$ sudo php -d memory_limit=1 "/composer.phar require aws/aws-sdk-php"
Using version 3.1.14 of aws/aws-sdk-php
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 3 installs, 0 updates, 0 removals
  - Installing symfony/event-dispatcher (v3.4.3): Downloading (100%)
    - Installing doctrine/cache (v2.2.2): Downloading (100%)
    - Installing aws/aws-sdk-php (2.8.3): 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)
[ec2-user@ip-172-31-29-106 Face]$ rm composer.json
Generating autoload files
[ec2-user@ip-172-31-29-106 Face]$
```

PHP CODE FILE:



The screenshot shows a Linux desktop environment with a terminal window titled "PutTY SSH Client". The terminal is displaying a PHP script for uploading files to an S3 bucket. The script uses the AWS SDK for PHP to create a client, set parameters for the upload, and then call the putObject method. It also handles exceptions and outputs the resulting image URL.

```
#!/usr/bin/php
error_reporting(0);

require_once(__DIR__ . '/vendor/autoload.php');

use Aws\S3\S3Client;
use Aws\Rekognition\RekognitionClient;

$bucket = 'aws-webinar-bl';
$keyname = 'charan.jpg';

$s3 = S3Client::factory([
    'profile' => 'default',
    'region'  => 'us-east-2',
    'version'  => '2006-03-01',
    'signature' => 'v4'
]);
try {
    $result = $s3->putObject([
        'Bucket'      => $bucket,
        'Key'         => $keyname,
        'SourceFile'  => __DIR__ . "/$keyname",
        'ACL'         => 'public-read'
    ]);
    $imageUrl = $result['ObjectURL'];
    if ($imageUrl) {
        echo "Image upload done... Here is the URL: " . $imageUrl;
    }
} catch (Exception $e) {
    echo $e->getMessage() . PHP_EOL;
}

-- INSERT --
```

IMAGE UPLOAD DONE IN PUTTY:

```
Activities Putty SSH Client Sun 02:20
[ec2-user@ip-172-31-29-106 ~]$ sudo swapoff -a
[ec2-user@ip-172-31-29-106 ~]$ sudo swapoff -a
[ec2-user@ip-172-31-29-106 ~]$ sudo /bin/dd if=/dev/zero of=/swapfile bs=1M c
ount=1024
1024+0 records in
1024+0 records out
1073741824 bytes (1.1 GB) copied, 13.603 s, 79.9 MB/s
[ec2-user@ip-172-31-29-106 ~]$ sudo /sbin/mkswap /swapfile
mkswap: /swapfile: insecure permissions 0644, 0600 suggested.
Setting up swapfile version 1, size = 1024 MiB (1073737728 bytes)
no label. UUID=f4d8b123-8c1c-45ed-8e84-56391123d736
[ec2-user@ip-172-31-29-106 ~]$ sudo /sbin/swapon /swapfile
swapon: /swapfile: insecure permissions 0644, 0600 suggested.
[ec2-user@ip-172-31-29-106 ~]$ sudo php -d memory_limit=-1 /composer.phar req
uire aws/aws-sdk.php
Could not open input file: require
[ec2-user@ip-172-31-29-106 ~]$ sudo php -d memory_limit=-1 "/composer.phar re
quire aws/aws-sdk.php"
Loading version 1.12.1 for aws/aws-sdk.php
Updating composer repositories with package information
Updating dependencies (including require-dev)
Nothing to install or update
The command "composer/puzzle" is abandoned, you should avoid using it. Use guzzlehttp/gu
sele instead.
Generating autoload files
[ec2-user@ip-172-31-29-106 ~]$ sudo wget https://i.pinimg.com/originals/b9/7e
/a3/b97ea35b942c7894b04923c6c05580.jpg
--2020-03-28 20:18:56 (5.56 MB/s) - 'b97ea35b942c7894b04923c6c05580.jpg' saved [215591/215591]
[ec2-user@ip-172-31-29-106 ~]$ ls b97ea35b942c7894b04923c6c05580.jpg composer.json face.php
charan.jpg composer.lock vendor
[ec2-user@ip-172-31-29-106 ~]$ sudo mv "0" b97ea35b942c7894b04923c6c05580.jpg
mv: missing destination file operand after 'b97ea35b942c7894b04923c6c05580.jpg'
Try 'mv --help' for more information.
[ec2-user@ip-172-31-29-106 ~]$ sudo rm charan.jpg
[ec2-user@ip-172-31-29-106 ~]$ ls b97ea35b942c7894b04923c6c05580.jpg composer.lock vendor
composer.json Face.php
[ec2-user@ip-172-31-29-106 ~]$ sudo mv b97ea35b942c7894b04923c6c05580.jpg b
k.jpg
[ec2-user@ip-172-31-29-106 ~]$ ls bk.jpg composer.json composer.lock Face.php vendor
[ec2-user@ip-172-31-29-106 ~]$ sudo rm Face.php
rm: cannot remove 'Face.php': No such file or directory
[ec2-user@ip-172-31-29-106 ~]$ sudo rm Face.php
[ec2-user@ip-172-31-29-106 ~]$ sudo viaw aws.php
[ec2-user@ip-172-31-29-106 ~]$ sudo php aws.php
Image upload done. Here is the URL: https://aws-webinar-bk.s3.us-east-2.amazonaws
[ec2-user@ip-172-31-29-106 ~]$
```

```
Activities Firefox Web Browser Sun 02:20
S3 Management Console - Mozilla Firefox
S3 Manager aws-webinar-bk 404 Not Found aws-webinar-bk Firefox Priv. Download 52.14.118.80/ How to inst... 52.14.118.80/ /tmp/mozilla_c... 71XWCnugngL...
Services Resource Groups
Amazon S3 > aws-webinar-bk
aws-webinar-bk
Overview Properties Permissions Management Access points
Type a prefix and press Enter to search. Press ESC to clear.
Upload + Create folder Download Actions
US East (Ohio) Viewing 1 to 2
Name Last modified Size Storage class
bk.jpg Mar 29, 2020 2:19:05 AM 210.5 KB Standard
charan.html Mar 27, 2020 4:31:00 PM 57.0 B Standard
Viewing 1 to 2
Feedback English (US)
© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use
```

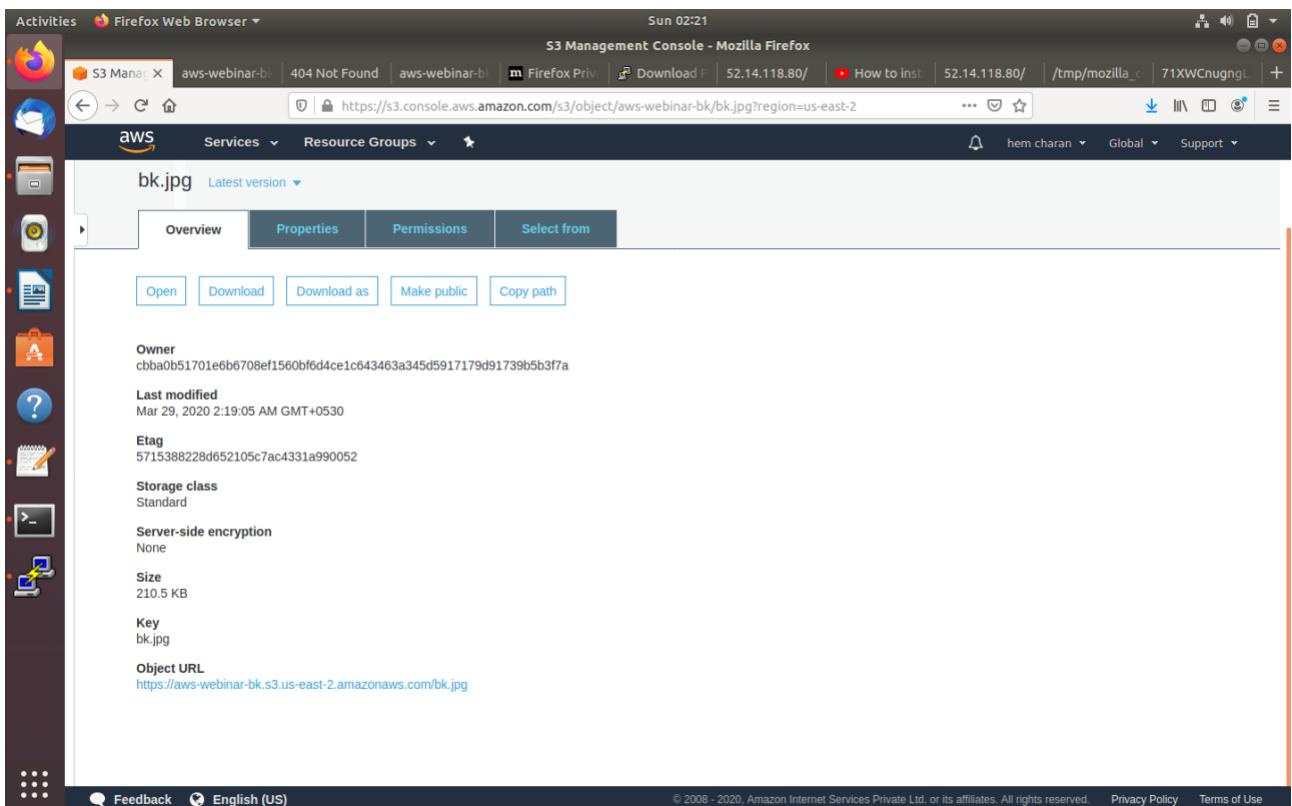


IMAGE IN URL:



Activities PuTTY SSH Client ▾

Sat 23:30
ec2-user@ip-172-31-29-106:/var/www/html/face

```
--> Package mod_http2.x86_64 0:1.15.3-2.amzn2 will be installed
--> Finished Dependency Resolution
Dependencies Resolved

=====
Package           Arch      Version          Repository  Size
=====
Installing:
mod              x86_64   2.4.41-1.amzn2.0.1    amzn2-core  1.3 M
Installing for dependencies:
httpd-filesystem noarch   2.4.41-1.amzn2.0.1    amzn2-core  23 k
httpd-tools       x86_64   2.4.41-1.amzn2.0.1    amzn2-core  87 k
mod_http2         x86_64   1.15.3-2.amzn2          amzn2-core  146 k

Transaction Summary
=====
Install 1 Package (+3 Dependent packages)

Total download size: 1.6 M
Installed size: 1.5 M
(1/4): httpd-filesystem-2.4.41-1.amzn2.0.1.noarch.rpm 23 kB
(2/4): httpd-tools-2.4.41-1.amzn2.0.1.x86_64.rpm 87 kB
(3/4): mod_http2-1.15.3-2.amzn2.x86_64.rpm 146 kB
(4/4): mod_http2-2.4.41-1.amzn2.0.1.x86_64.rpm 1.3 MB

Total
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : httpd-filesystem-2.4.41-1.amzn2.0.1.noarch
    Installing : httpd-tools-2.4.41-1.amzn2.0.1.x86_64
      Installing : mod_http2-1.15.3-2.amzn2.x86_64
        Verifying : httpd-tools-2.4.41-1.amzn2.0.1.x86_64
          Verifying : mod_http2-1.15.3-2.amzn2.x86_64
            Verifying : httpd-filesystem-2.4.41-1.amzn2.0.1.noarch
  Installed:
    httpd.x86_64 0:2.4.41-1.amzn2.0.1
  Dependency Installed:
    httpd-filesystem.noarch 0:2.4.41-1.amzn2.0.1
  Complete!
[ec2-user@ip-172-31-29-106 face]$ sudo service httpd start
Redirecting to /bin/systemctl start httpd.service
[ec2-user@ip-172-31-29-106 face]$ sudo php aws.php
PHP Fatal error: Uncaught Error: Call to undefined function S3Client() in /var/www/html/Face/aws.php:11
Stack trace:
#0 {main}
  thrown in /var/www/html/Face/aws.php on line 11
[ec2-user@ip-172-31-29-106 Face]$ sudo php aws.php
PHP Fatal error: Uncaught Error: Call to undefined function S3Client() in /var/www/html/Face/aws.php:11
Stack trace:
#0 {main}
  thrown in /var/www/html/Face/aws.php on line 11
[ec2-user@ip-172-31-29-106 Face]$ sudo vim aws.php
[ec2-user@ip-172-31-29-106 Face]$ sudo vim aws.php
Image upload done... Here is the URL: https://aws-webinar-bk.s3.us-east-2.amazonaws.com/bk..jpgTotally there are 9 faces[ec2-user@ip-172-31-29-106 face]$
```

FINAL OUTPUT:

