

A LONG-TERM INTERNSHIP REPORT
On
AWS CLOUD COMPUTING

Submitted to Department Bachelor of Computer Applications

By
Rajesh Paramata
III BCA

Under the Esteemed Guidance of
Sri B. Bosu Kumar
LECTURER

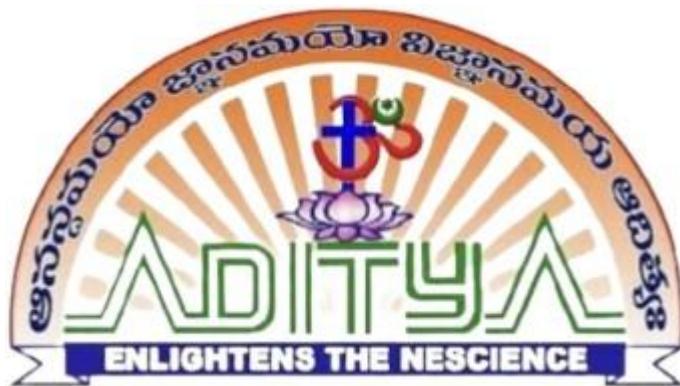
Department Bachelor of Computer Applications



ADITYA DEGREE COLLEGE
Amalapuram

ADITYA DEGREE COLLEGE

Department Bachelor of Computer Applications



CERTIFICATE

This is to certify that The Long-Term Internship entitled, "**AWS Cloud Computing**" is a bonified work of **Rajesh Paramata**, bearing **220047400044**, III BCA, submitted to the Department of Computer Applications, Aditya Degree College, Amalapuram for the academic year 2022-2025.

Internship Guide

K. Devi Vara Prasad Reddy

Head of the Department

Smt.G.N.V.Usha Sri ,M.Tech,M.Sc

External Examiner

Principal

ADITYA DEGREE COLLEGE

Department Bachelor of Computer Applications



DECLARATION BY THE STUDENT

I hereby declare that the work described in this Long-Term Internship, entitled "**AWS Cloud Computing**" which is being submitted by me in partial fulfilment of the requirements for the award of degree of **Bachelor of Computer Applications (BCA)** from the Department of Computer Application to Aditya Degree College, Amalapuram under the guidance of **Mr. K. Devi Vara Prasad Reddy, Project Coordinator of Adhoc Network Tech Company, India and Canada.**

Place: Amalapuram

Date:

ADITYA DEGREE COLLEGE

Department of Computer Applications



CERTIFICATE FROM THE SUPERVISOR

This is to certify that the Long-Term Internship entitled, " AWS Cloud Computing", that is being submitted by **Rajesh Paramata** bearing **220047400044**, III BCA, which is being submitted by me in partial fulfilment of the requirements for the award of degree of **Bachelor of Computer Applications** from the Bachelor of Computer Applications to Aditya Degree College, bonified work carried out by her under my guidance and Supervision.

**K. Devi Vara Prasad Reddy
Adhoc Network**

Shanmukha Dhanaraj

ACKNOWLEDGEMENT

No endeavor is completed without the valuable support of others. I would like to take this opportunity to extend my sincere gratitude to all those who have contributed to the successful completion of this Long-Term Internship Project Report.

It is privilege to thank **Dr.N.SESHA REDDY, Chairman Sir**, Aditya group of institutions for providing state-of-the-Art facilities, experienced and talented faculty members.

It is privilege to thank **Dr. N. SUGUNA REDDY, Secretary Madam**, Aditya group of institutions for providing Long-Term Internship Project Report from Adhoc.

I thank **Dr.B.E.V.L.NAIDU Sir**, Academic Director, Aditya Degree College for his continuous support and encouragement in my endeavor.

At this juncture I feel deeply honored in expressing my sincere thanks to **CEO Devika Pakruthi Mam** of Adhoc Network Tech Company, India and Canada for making the resources available at right time and providing valuable insights leading to the successful completion of my Long-Term Internship Project Report.

I express my deep sense of gratitude to **Mr. CH. Subba Reddy, M.sc, Principal**, for his Efforts and for giving us permission for carrying out this Long-Term Internship.

I thank **Mrs. Smt. G.N.V .Usha Sri**, M.Tech,M.Sc Head of the Department of Bachelor of Computer Science, Aditya Degree College-Amalapuram, for supporting and encouraging me in completion of my Long-Term Internship.

Finally I thank all the faculty members of our Department who contributed their valuable suggestions in completion of Long-Term Internship report and I also put my sincere thanks to My Parents who stood with me during the whole Long-Term Internship.

- **Rajesh Paramata**

ABOUT ADITYA DEGREE COLLEGES



Dr.N.SESHA REDDY
CHAIRMAN



Dr. N. Suguna Reddy M.B.B.S. Secretary



Dr.B.E.V.L. NAIDU
ACADEMIC DIRECTOR

Aditya Degree colleges are the precious gifts presented to the twin Godavari Districts by ADITYA. Educational group ADITYA Degree College which was established in 1998 in Kakinada fulfilled the hopes and aspirations of many graduates and had been acclaimed as the best degree college under Andhra University. Encouraged by the 100% result in 2003, ADITYA added several feathers to its cap by launching Degree Colleges in Rajahmundry in 2003, in Vizag and Palakol in 2005 and in Tatipaka in 2006.

Needless to say, in the present scenario girls excel more than boys in education and they give tough competition to boys. Owing to their diffidence and inhibition, girls find difficulty in expressing their doubts in a classroom of Co-ed College. Moreover, parents have many objections in sending their daughters to a co-ed college. Realizing this, ADITYA successfully leads Degree colleges for girls to prove their talents in curricular, co-curricular and extra-curricular activities. ADITYA started P.G College also for Women to encourage them for higher education.

VISION

To provide inclusive education with innovative methods and strenuous efforts for inculcating human values, professionalism and scientific instillation in the realm of Degree Education to all sections of students irrespective of race, region and religion with special focus to stand independently and to emerge as centre for Research and Development.

MISSION

To provide ample scope for multifaceted development of local youth.
To provide quality higher education to student community.
To Recruit Highly Qualified and Experienced Faculty to provide Quality Education.

ABOUT ADHOC NETWORK TECH COMPANY - INDIA,CANADA



CEO Devika Pakruthi is a highly accomplished and recognized entrepreneur who has garnered prestigious awards at various levels for her outstanding contributions to the business world.

Awards that Devika Pakruthi has won:

- Young Entrepreneur Award - City Level (Visakhapatnam)
- Best Ongoing Startup - State Level (Andhra Pradesh)
- Women Rising Star of the Year- National Level (New Delhi)
- Youngest CEO of the Year - State Representation (Karnataka)

Adhoc Network is started in the year 2020 at Visakhapatnam by an young Women entrepreneur Miss. Devika Pakruthi Founder & CEO with an intention to provide employment opportunities to the youth and also to impart the best quality training and practical exposure to the Students which enhances their employability Skills. Her journey started and collapsed with the wide spread of Covid-19 but her determination and aspirations made her journey more futuristic and she never gave up the thought to GIVE-UP. This is where Devika made her dreams come true and alive. She never expected with a sole objective of making Profit but her determination to impart the quality training made her to reach the peaks of success at the young age.

Adhoc Network-we are proud to have been awarded a Hattrick of Awards. This Achievement is a testament to our commitment to Excellence and Innovation in the Software development Best heading company in the market. Devika Pakruthi, a name synonymous with innovation, empowerment, and success. As the proud recipient of the Young Entrepreneur Award, Best Women-Led Startup Award, Women Rising Star of the Year Award and Youngest CEO of the Year Award, Devika Pakruthi has etched her name into the annals of contemporary business history.

Vision, Mission and values of the Organization:-

VISION:-

Due vision is to be a leading global provider of interactive and reliable Software Solution empowering business to Thrive in the digital age.

MISSION:-

Our mission is to develop cutting-edge Software Solutions that Solve compare business challenges, enhance Operations efficiency and drive Sustainable growth for our client we strive to deliver exceptional value by leveraging emerging technologies, fostering Strategic partnerships and maintaining a Customer, Centric approach Values

- Innovation
- Excellence
- Collaboration
- Integrity
- Customer Centricity
- Continuous Learning

ADHOC NETWORK

CERTIFICATE OF INTERNSHIP

This Certificate is Presented To :

Rajesh Paramata

From demonstrated exceptional dedication and commitment to mastering AWS CC Internship actively engaging in hands-on projects and practical learning from **December 5th 2024–March 15th-2025**. Your active participation and engagement in the Internship have equipped you with valuable technical skills and practical knowledge essential for building dynamic and scalable applications



TECHNICAL TRAINER

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- 1. Creating AWS Account**
- 2. Designing a Computer Lab**
- 3. Design a Traditional Server Room**
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- 13. IAM Password policy.**
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PROJECT 1

Cloud computing is a technology that enables users to access and use computing resources (such as servers, storage, databases, networking, software, analytics, and intelligence) over the internet ("the cloud") instead of owning and managing physical hardware and infrastructure.

Cloud Service Models

Infrastructure as a Service (IaaS)

Platform as a Service (PaaS)

Software as a Service (SaaS)

Cloud Deployment Models

Public Cloud

Private Cloud

Hybrid Cloud

Major Cloud Service Providers

Amazon Web Services (AWS)

Microsoft Azure

Google Cloud Platform (GCP)

Key Characteristics

On-Demand Self-Service

Broad Network Access

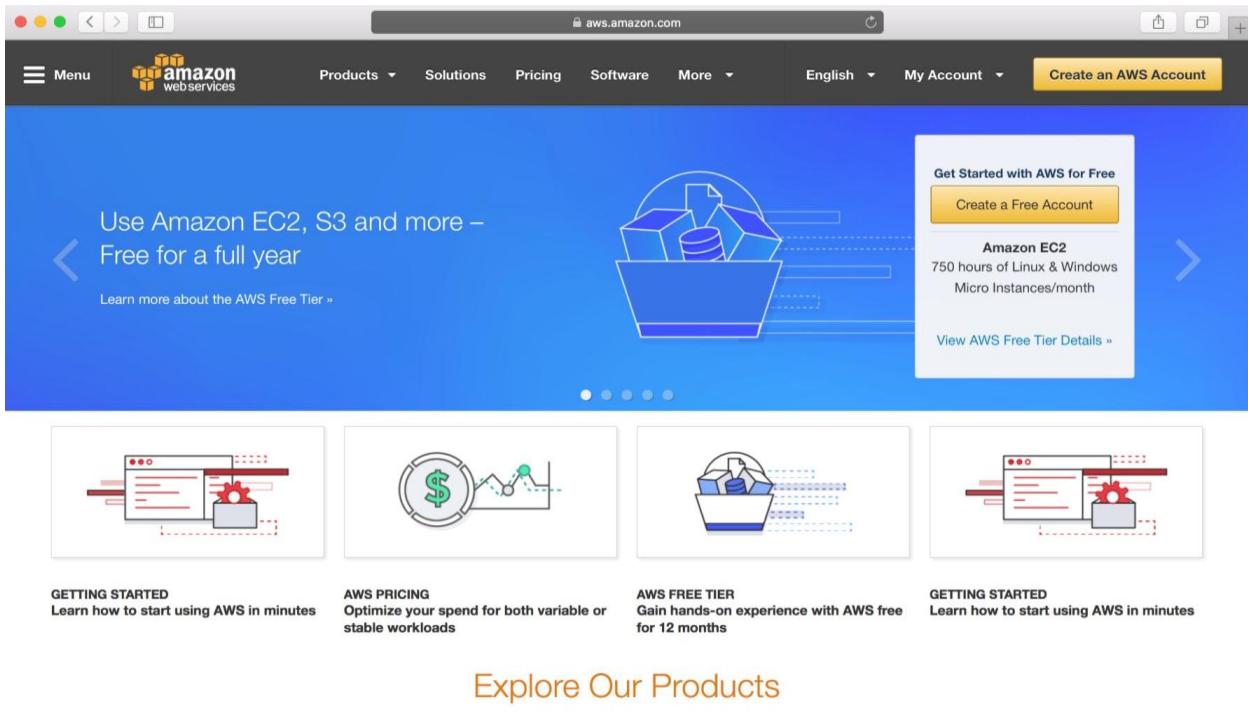
Resource Pooling

Rapid Elasticity

Measured Service

Create an AWS Account

1.Type Create AWS Account in the web browser



2.Click on Create a new AWS account.

The screenshot shows the AWS sign-in page for creating a new account. It has two radio button options: "Root user" (selected) and "IAM user". Below each option is a brief description. A "Root user email address" input field contains "username@example.com". A "Next" button is at the bottom. At the very bottom, there is a link "New to AWS?" and a "Create a new AWS account" button.

A dark-themed promotional sidebar for Amazon ElastiCache. It features the headline "Save more and gain performance with Amazon ElastiCache", a subtext "Up to 55% in savings and up to 80x faster read performance using Amazon ElastiCache with Amazon RDS for MySQL", and a "Learn more" link. To the right is a diagram illustrating data flow between a client and multiple database instances, with a dollar sign icon indicating cost savings.

3.Type Your email and verify it.

English ▾



Sign up for AWS

Explore Free Tier products with a new AWS account.

To learn more, visit aws.amazon.com/free.



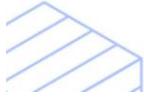
Root user email address
Used for account recovery and some administrative functions

AWS account name
Choose a name for your account. You can change this name in your account settings after you sign up.

Verify email address

OR

[Sign in to an existing AWS account](#)



Verification Code:

Sign up for AWS

Confirm you are you

Making sure you are secure -- it's what we do.

We sent an email with a verification code to [\(not you?\)](mailto:jallisirisha22@gmail.com)

Enter it below to confirm your email.

Verification code

258656

Verify

[Resend Code 35](#)

Didn't get the code?

- Codes can take up to 5 minutes to arrive.
- Check your spam folder.



4.Create root user password: Remember IT

Sign up for AWS

Create your password

 It's you! Your email address has  been successfully verified.

Your password provides you with sign in access to AWS, so it's important we get it right.

Root user password

.....

Confirm root user password

.....

Continue (step 1 of 5)

OR

Sign in to an existing AWS account

Select Personal and fill your complete information.



Sign up for AWS

Free Tier offers

All AWS accounts can explore 3 different types of free offers, depending on the product used.



Always free

Never expires



12 months free

Start from initial sign-up date



Trials

Start from service activation date

Contact Information

How do you plan to use AWS?

- Business - for your work, school, or organization
 Personal - for your own projects

Who should we contact about this account?

Full Name

Phone Number

+1 222-333-4444

Country or Region

United States

Address

Address

Apartment, suite, unit, building, floor, etc.

City

State, Province, or Region

Postal Code

I have read and agree to the terms of the [AWS Customer Agreement](#).

Continue (step 2 of 5)



Enter your credit or debit card number.

Secure verification

 We will not charge you for usage below AWS Free Tier limits. We may temporarily hold up to \$1 USD (or an equivalent amount in local currency) as a pending transaction for 3-5 days to verify your identity.



Sign up for AWS

Billing Information

Billing country

Your billing country determines the payment methods available to you to pay for AWS services.

India

Credit or Debit card number



AWS accepts most major credit and debit cards. To learn more about payment options, review our [FAQ](#).

Expiration date

Month

Year

Security code

CVV/CVC

Cardholder's name

Save card information for faster future payments

Securely save card information payments as per RBI guidelines. [Learn more](#).

Sign up for AWS

Confirm your identity

Before you can use your AWS account, you must verify your phone number. When you continue, the AWS automated system will contact you with a verification code.

How should we send you the verification code?

Text message (SMS)

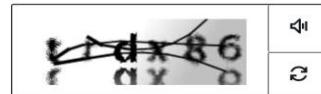
Voice call

Country or region code

India (+91) ▾

Mobile phone number

Security check



Type the characters as shown above

Send SMS (step 4 of 5)

Choose Basic Support Plan

Sign up for AWS

Select a support plan

Choose a support plan for your business or personal account. [Compare plans and pricing examples](#)
 You can change your plan anytime in the AWS Management Console.

Basic support - Free

- Recommended for new users just getting started with AWS
- 24x7 self-service access to AWS resources
- For account and billing issues only
- Access to Personal Health Dashboard & Trusted Advisor



Developer support - From \$29/month

- Recommended for developers experimenting with AWS
- Email access to AWS Support during business hours
- 12 (business)-hour response times



Business support - From \$100/month

- Recommended for running production workloads on AWS
- 24x7 tech support via email, phone, and chat
- 1-hour response times
- Full set of Trusted Advisor best-practice recommendations



Need Enterprise level support?

From \$15,000 a month you will receive 15-minute response times and concierge-style experience with an assigned Technical Account Manager. [Learn more](#) 

Complete sign up



Congratulations

Thank you for signing up for AWS.

We are activating your account, which should only take a few minutes. You will receive an email when this is complete.

[Go to the AWS Management Console](#)

[Sign up for another account or contact sales.](#)



Your Amazon Web Services Account is Ready - Get Started Now Inbox x

Amazon Web Services <no-reply@amazonaws.com>
to me ▾ 8:27 AM (0 minutes ago) ☆ ☺ ↗ ⋮

Welcome to Amazon Web Services,

Explore more than 100 products through free trials and always free offers to start building on Amazon Web Services using the [Free Tier](#). Some offers are only available to new customers for 12 months following your Amazon Web Services sign-up date.

When your 12 month free usage term expires or if your application use exceeds the tiers, you simply pay standard, pay-as-you-go service rates (see each service page for full pricing details). For more details, see the [offer terms](#).

Here are a few easy ways to get started:

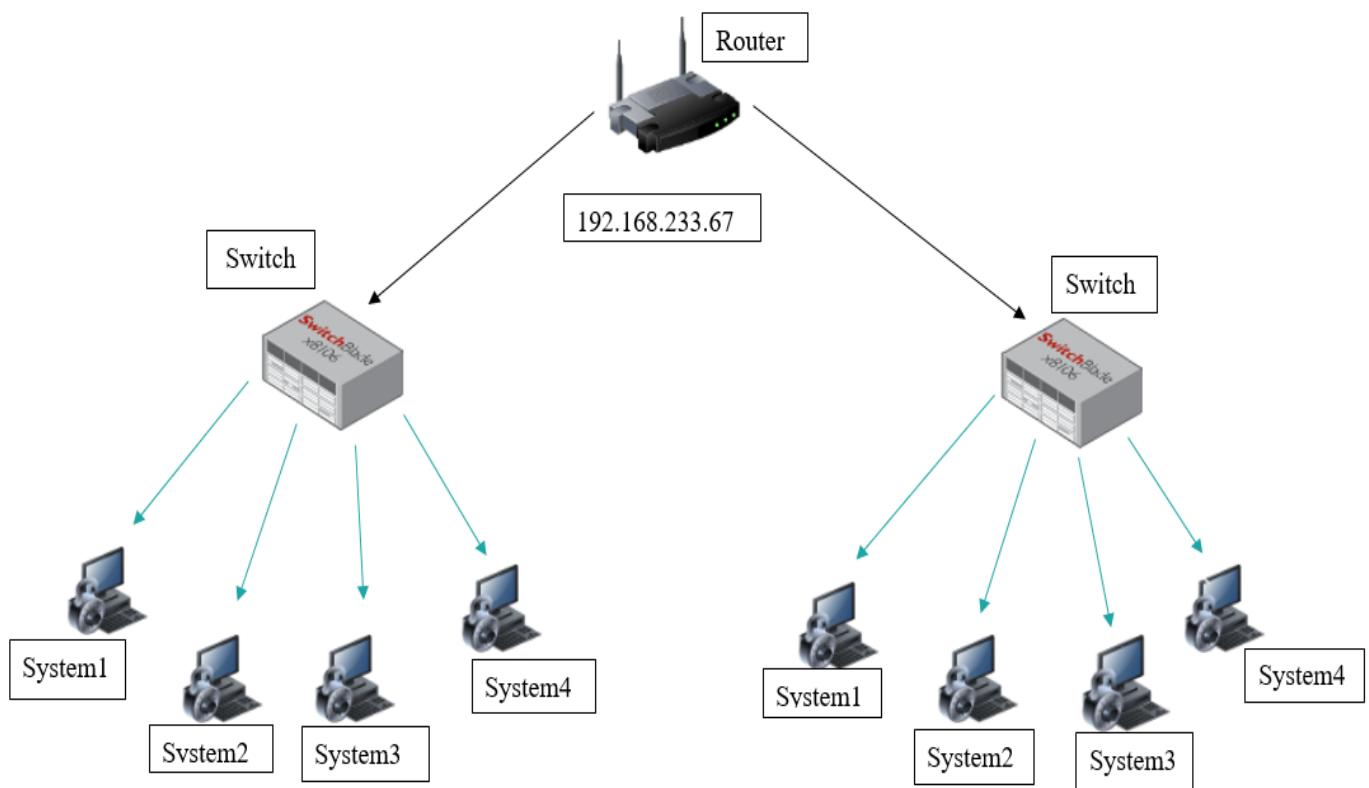
- * [Find technical documentation](#)
- * [Learn with tutorials and guides](#)
- * [Start building in the Amazon Web Services Console](#)

If you have any additional questions, please contact our [support services](#).

PROJECT 2

COMPUTER LAB

Design a Computer Lab:



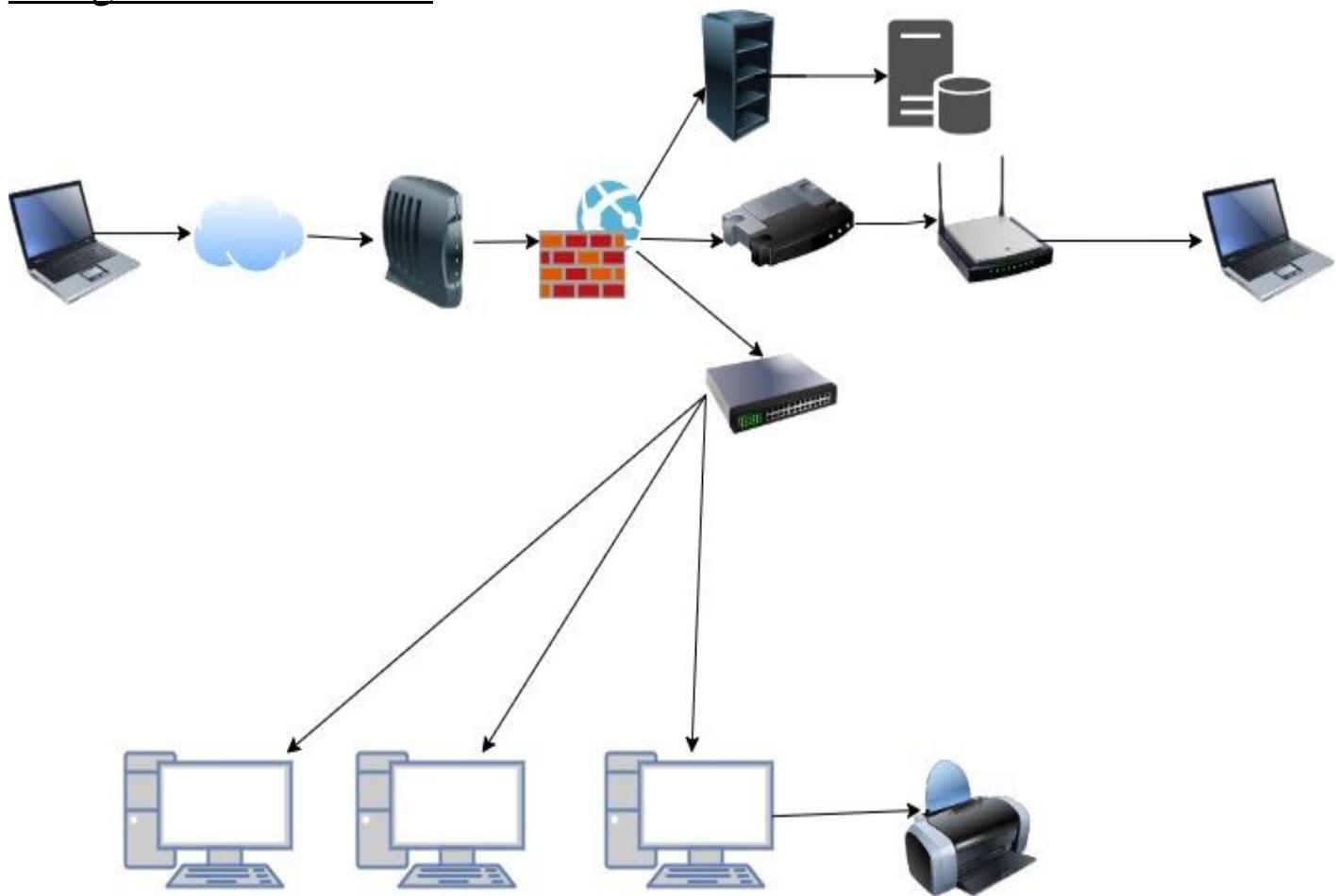
PROJECT 3

SERVER ROOM

What is server room?

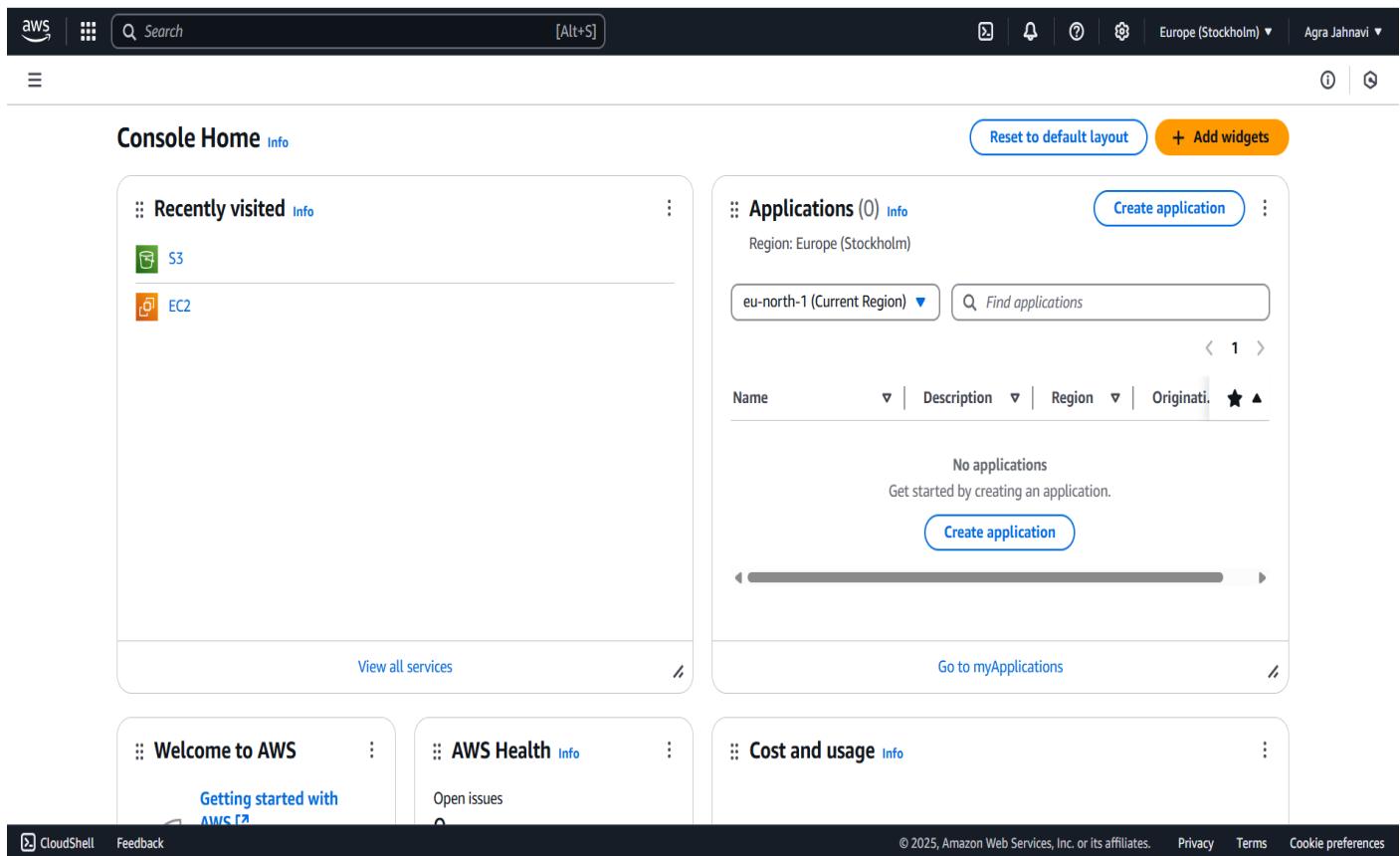
A server room is a room, usually air-conditioned, devoted to the continuous operation of computer servers. An entire building or station devoted to this purpose is a data center. The computers in server are usually headless systems that can be operated remotely via KVM switch or remote administration software, such as secure shell, VNC and remote desktop.

Design a Server Room:



PROJECT 4

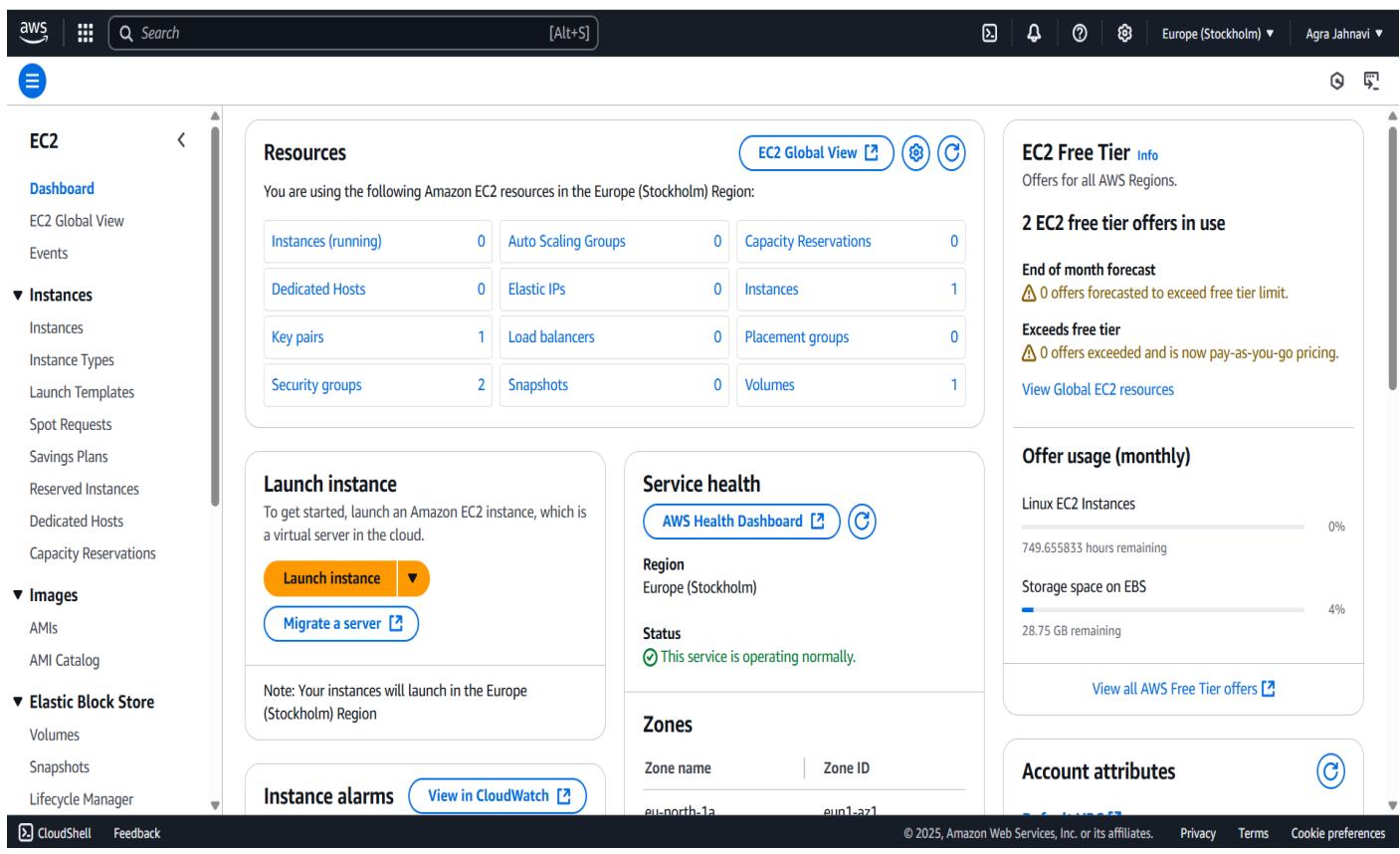
AWS CONSOLE SERVICES



The screenshot shows the AWS Console Home page. At the top, there's a search bar and navigation links for Europe (Stockholm) and Agra Jahnavi. Below the header, there are several cards:

- Recently visited:** S3, EC2
- Applications:** 0 (Current Region: eu-north-1). Includes a "Create application" button and a "Find applications" search bar.
- Welcome to AWS:** Getting started with AWS!
- AWS Health:** Open issues 0
- Cost and usage:** Info

At the bottom, there are links for CloudShell, Feedback, Privacy, Terms, and Cookie preferences.



The screenshot shows the AWS EC2 Dashboard. On the left, a sidebar lists navigation items: EC2 (selected), Dashboard, Instances, Images, and Elastic Block Store. The main content area has several sections:

- Resources:** You are using the following Amazon EC2 resources in the Europe (Stockholm) Region:

Instances (running)	0	Auto Scaling Groups	0	Capacity Reservations	0
Dedicated Hosts	0	Elastic IPs	0	Instances	1
Key pairs	1	Load balancers	0	Placement groups	0
Security groups	2	Snapshots	0	Volumes	1
- Launch instance:** Launch instance, Migrate a server
- Service health:** AWS Health Dashboard, Region Europe (Stockholm), Status: This service is operating normally.
- Zones:** Zone name: eu-north-1a, Zone ID: eun1-az1
- Offer usage (monthly):** Linux EC2 Instances (0%), 749.655833 hours remaining, Storage space on EBS (4%), 28.75 GB remaining. Includes a "View all AWS Free Tier offers" link.
- Account attributes:** Account summary information.

At the bottom, there are links for CloudShell, Feedback, Privacy, Terms, and Cookie preferences.

AWS | Search [Alt+S] | Europe (Stockholm) ▾ | Agra Jahnvi ▾

☰

Console Home [Info](#)

Recently visited [Info](#)

- EC2
- S3

[View all services](#)

Applications (0) [Info](#)

Region: Europe (Stockholm)

eu-north-1 (Current Region) [▼](#) [🔍](#)

Name	Description
No applications	Get started by creating an application.

[Create](#)

United States

N. Virginia	us-east-1
Ohio	us-east-2
N. California	us-west-1
Oregon	us-west-2

Asia Pacific

Mumbai	ap-south-1
Osaka	ap-northeast-3
Seoul	ap-northeast-2
Singapore	ap-southeast-1
Sydney	ap-southeast-2
Tokyo	ap-northeast-1

Canada

Central	ca-central-1
---------	--------------

Europe

Frankfurt	eu-central-1
Ireland	eu-west-1
London	eu-west-2
Paris	eu-west-3
Stockholm	eu-north-1

[Manage Regions](#) | [Manage Local Zones](#)

Welcome to AWS

Getting started with AWS [?](#)

AWS Health [Info](#)

Open issues [0](#)

Cost and usage [Info](#)

CloudShell Feedback © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

PROJECT 5

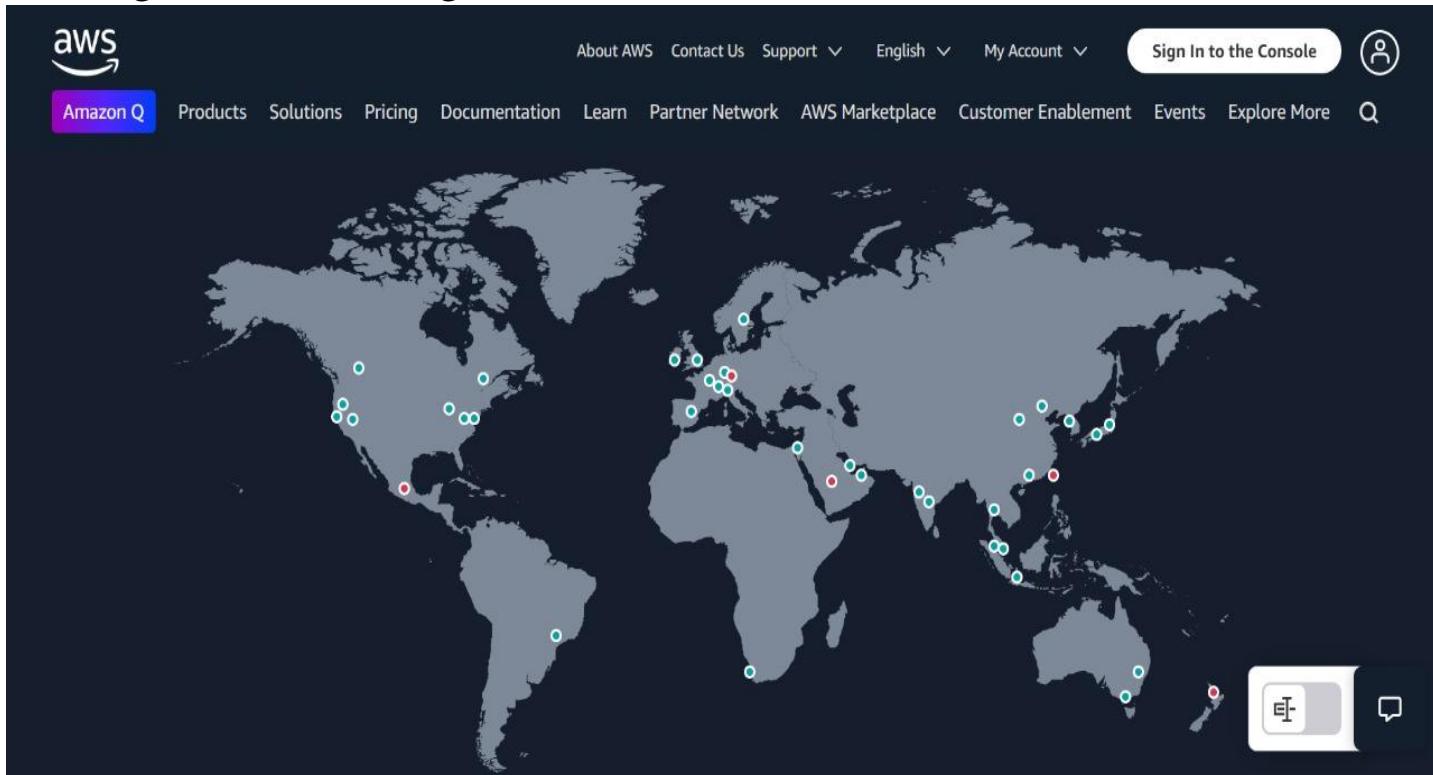
AWS GLOBAL INFRASTRUCTURE

- The AWS cloud infrastructure is built around regions and availability zones where, Regions represent physical locations worldwide & Availability zones are discrete data centers with redundant power, networking and connectivity.
- This setup ensures high availability, fault tolerance & scalability beyond what a single datacenter can provide AWS as most expensive.

The screenshot shows the AWS Global Infrastructure landing page. At the top, there's a navigation bar with links for About AWS, Contact Us, Support, English, My Account, Sign In, and Create an AWS Account. Below the navigation is a search bar labeled "Amazon Q". The main content area features a dark background with a world map showing AWS data centers. Key statistics are displayed in boxes: "35 launched Regions each with multiple Availability Zones", "111 Availability Zones", and "600+ CloudFront POPs and 13 Regional edge caches". A "Create an Account" button is also visible.

United States		
N. Virginia		us-east-1
Ohio		us-east-2
N. California		us-west-1
Oregon		us-west-2
Asia Pacific		
Mumbai		ap-south-1
Osaka		ap-northeast-3
Seoul		ap-northeast-2
Singapore		ap-southeast-1
Sydney		ap-southeast-2
Tokyo		ap-northeast-1
Canada		
Central		ca-central-1
Europe		
Frankfurt		eu-central-1
Ireland		eu-west-1

● Regions ● Coming soon



The AWS clouds spans 111 availability zones within 35 geographic regions, with more announced plans for 15 more availability zones and 5 more AWS regions.

Europe (Stockholm) ▾

Sydney	ap-southeast-2
Thailand	ap-southeast-7
Tokyo	ap-northeast-1
Canada	
Central	ca-central-1
Europe	
Frankfurt	eu-central-1
Ireland	eu-west-1
London	eu-west-2
Paris	eu-west-3
Stockholm	eu-north-1
South America	
São Paulo	sa-east-1

There are 13 Regions that are not enabled for this account

[Manage Regions](#)

**42 Local Zones
29 Wavelength Zones**
for ultralow-latency applications

245 countries and territories served

135 Direct Connect locations

A graphic of a globe with latitude and longitude lines. Three dots are placed on the globe: one blue dot in the Northern Hemisphere, one orange dot near the equator in the Southern Hemisphere, and another blue dot in the Southern Hemisphere. This likely represents the global distribution of AWS data centers or infrastructure points of presence.

Why Cloud Infrastructure matters

The AWS Global Cloud Infrastructure is a secure, extensive, and reliable cloud platform, offering over 200 fully featured services from data centers globally. Whether you need to deploy your application workloads across the globe in a single step or you want to build and deploy specific applications closer to your end users with single-digit millisecond latency, AWS provides you the cloud infrastructure where and when you need it.

With millions of active customers and tens of thousands of partners globally, AWS has the largest and most dynamic ecosystem. Customers across virtually every industry and of every size, including start-ups, enterprises, and public sector organizations, are running every imaginable use case on AWS.

Benefits of AWS Infrastructure: Infrastructure:

1. Availability
2. Security
3. Performance
4. Flexibility
5. Scalability
6. Global footprint

Components of Global

1. Availability zone
2. Region
3. Edge location
4. Regional edge caches

Benefits



Security

Security at AWS starts with our core infrastructure. Custom-built for the cloud and designed to meet the most stringent security requirements in the world, our infrastructure is monitored 24/7 to help ensure the confidentiality, integrity, and availability of your data. All data flowing across the AWS global network that interconnects our datacenters and Regions is automatically encrypted at the physical layer before it leaves our secured facilities. You can build on the most secure global infrastructure, knowing you always control your data, including the ability to encrypt it, move it, and manage retention at any time.



Availability

AWS delivers the highest network availability of any cloud provider. Each region is fully isolated and comprised of multiple AZs, which are fully isolated partitions of our infrastructure. To better isolate any issues and achieve high availability, you can partition applications across multiple AZs in the same region. In addition, AWS control planes and the AWS management console are distributed across regions, and include regional API endpoints, which are designed to operate securely for at least 24 hours if isolated from the global control plane functions without requiring customers to access the region or its API endpoints via external networks during any isolation.



Performance

The AWS Global Infrastructure is built for performance. AWS Regions offer low latency, low packet loss, and high overall network quality. This is achieved with a fully redundant 400 GbE fiber network backbone, often providing many terabits of capacity between Regions. AWS Local Zones and AWS Wavelength, with our telco providers, provide performance for applications that require single-digit millisecond latencies by delivering AWS infrastructure and services closer to end-users and 5G connected devices. Whatever your application needs, you can quickly spin up resources as you need them, deploying hundreds or even thousands of servers in minutes.



Scalability

The AWS Global Infrastructure enables companies to be extremely flexible and take advantage of the conceptually infinite scalability of the cloud. Customers used to over provision to ensure they had enough capacity to handle their business operations at the peak level of activity. Now, they can provision the amount of resources that they actually need, knowing they can instantly scale up or down along with the needs of their business, which also reduces cost and improves the customer's ability to meet their user's demands. Companies can quickly spin up resources as they need them, deploying hundreds or even thousands of servers in minutes.



Flexibility

The AWS Global Infrastructure gives you the flexibility of choosing how and where you want to run your workloads, and when you do you are using the same network, control plane, API's, and AWS services. If you would like to run your applications globally you can choose from any of the AWS Regions and AZs. If you need to run your applications with single-digit millisecond latencies to mobile devices and end-users you can choose [AWS Local Zones](#) or [AWS Wavelength](#). Or if you would like to run your applications on-premises you can choose [AWS Outposts](#). If you are in a public sector organization or highly regulated industry, you can read our plans to launch the [AWS European Sovereign Cloud](#).



Global Footprint

AWS has the largest global infrastructure footprint of any provider, and this footprint is constantly increasing at a significant rate. When deploying your applications and workloads to the cloud, you have the flexibility in selecting a technology infrastructure that is closest to your primary target of users. You can run your workloads on the cloud that delivers the best support for the broadest set of applications, even those with the highest throughput and lowest latency requirements. And if your data lives off this planet, you can use [AWS Ground Station](#), which provides satellite antennas in close proximity to AWS infrastructure Regions.

PROJECT 6

DROPBOX

Drop Box is a cloud storage service that allows users to store files synchronize them across multiple devices and share them with others it was founded in 2004 & has grown to become one of the most popular cloud storage platforms.

Key Features of Drop Box:

1. File Storage and Syncing

2. Collaboration and Sharing

3. Security and Privacy

4. Integration with Third-Party Apps

5. Scalability and Flexibility

FasterCapital



The screenshot shows the Dropbox interface for the account "kkrlogistics.dropbox.com". The top navigation bar includes "Inbox" and "Inbox (1 item)". The main dashboard displays the following statistics:

Category	Value	Color
TOTAL FILES	194,142	Green
FILE-CLOUD SYNCATIONS	176	Red
INTEGRATIONS	47	Green
ACTIVITY (200)	8,475	Green
EXTERNAL USERS	53	Red

Below the stats, there's a summary card with "194.14k" and a legend for file exposure: Private (blue), Internal (green), and Public (red).

The interface also includes sections for "File Types" and "File Cloud Syncations" with various sub-categories and their counts.



Home

All files

Photos

Shared

Signatures

File requests

Deleted files

Quick access +

Get started with Dropbox

Add a file or folder

Upload Learn more

File Folder

Folder

Connect your devices

Get started 0% Add a file or folder

Search

Invite members

Click to upgrade

Upload or drop

Create

Create folder

Get the app

Transfer a copy

Share

All files

Share selected

Download

Delete

Open in

Name ↑

MMD 200ML 20-7-2024 TO 26-7-2024.xlsx

Only you

JA

Uploads

All uploads Completed Skipped Failed

MMD 200ML 20-7-24 TO 26-7-2024

XLSX Uploaded to Files Copy link

Upload successful! 1 upload complete

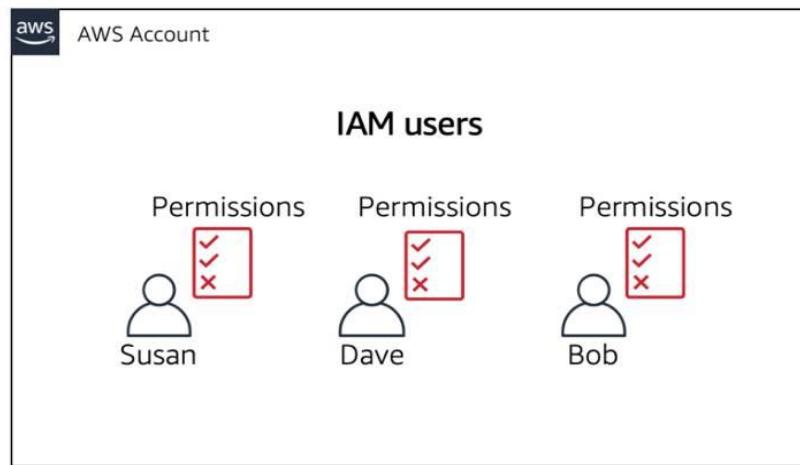
Add

This screenshot shows the Dropbox web interface. On the left, there's a sidebar with navigation links like Home, Folders, and Get started with Dropbox. The main area has a search bar and several action buttons: Upload or drop, Create, Create folder, Get the app, Transfer a copy, and Share. Below these are sections for All files and a specific file named 'MMD 200ML 20-7-2024 TO 26-7-2024.xlsx'. A modal window titled 'Uploads' is open, showing the uploaded file with a checkmark and a 'Copy link' button. At the bottom, a green success message says 'Upload successful! 1 upload complete'.

PROJECT 7

IAM USER ACCOUNT

- IAM – Identify Access Management.
- It is a framework of policies, processes and technologies designed to ensure that the right individuals in an organization have access to right resources at right time.



Uses of IAM :

- Centralized management of user accounts and permissions.
- Enforcing security policies such as least privilege.
- Providing secure access to applications, systems and data.
- Integrating with cloud platforms for access control.

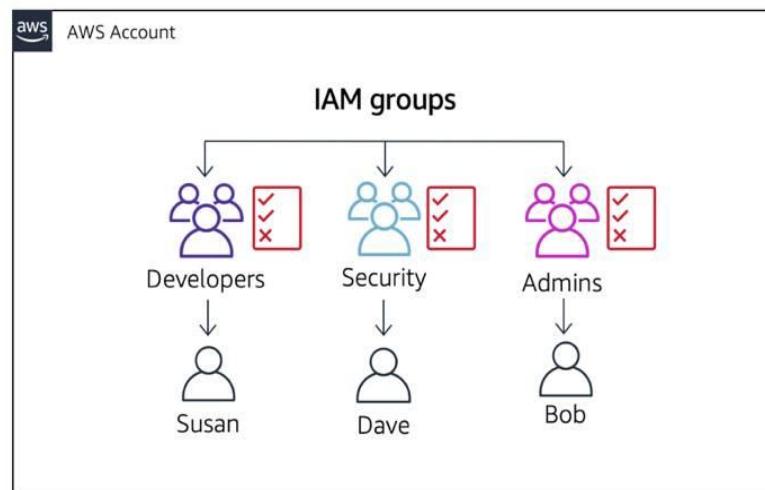
Ex: AWS, GCP



PROJECT 8

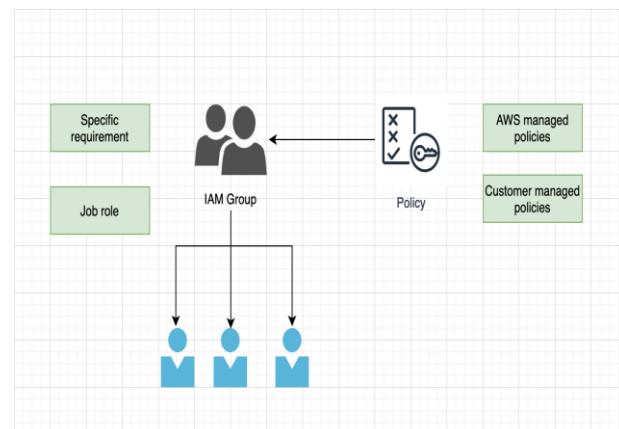
IAM GROUP

- An IAM group is a collection of users with similar permissions in an identity and access management.
- IAM groups are used to manage access control for large number of users.
- For example, you could have group called developers that has read only access to all of your EC2 instances.



How to create an IAM group

1. Sign in to your AWS account as a root user
2. Search for IAM
3. Click Create Group
4. Enter a name for the group
5. Select the desired permissions
6. Click Create Group

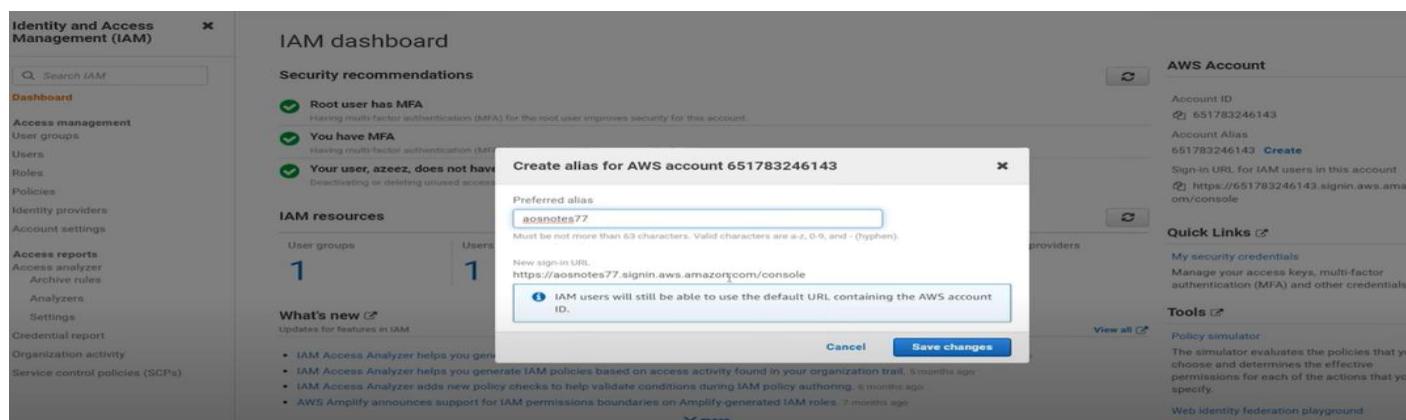


PROJECT 9

ALIAS FOR AWS ACCOUNT

AWS account alias

1. Log in to the AWS Management Console
2. Go to the Identity and Access Management (IAM) dashboard
3. Find your account ID
4. Click Create or Change under the AWS account alias
5. Enter a unique name for your alias
6. Click Save changes



Version management

- **Manage multiple versions:** Use aliases to manage different versions of a Lambda function, such as dev, staging, and prod
- **Roll back versions:** Roll back to a previous version if a bug is found in a new version
- **Split execution requests:** Split execution requests between different versions

Deployment

- **Deploy gradually:** Deploy newer versions gradually to minimize the impact of bugs
- **Flexible deployments:** Use aliases to deploy newer versions gradually

IAM user sign in

Account ID (12 digits) or account alias

IAM username

Password

Show Password

[Having trouble?](#)

Sign in

[Sign in using root user email](#)

Amazon Lightsail

Lightsail is the easiest way
to get started on AWS

[Learn more »](#)



PROJECT 10

IAM USER LOGIN

The screenshot shows the AWS search interface with the search term 'iam' entered. The results are categorized under 'Services'. The top result is 'IAM' with the description 'Manage access to AWS resources'. Other results include 'IAM Identity Center (successor to AWS Single Sign-On)', 'Resource Access Manager', and 'Serverless Application Repository'.

Search results for 'iam'

Try searching with longer queries for more relevant results

Services

See all 9 results ▾

- IAM
- IAM Identity Center (successor to AWS Single Sign-On)
- Resource Access Manager
- Serverless Application Repository

The screenshot shows the AWS Console Home page. The left sidebar includes links for 'Recently visited' (IAM, EC2, S3), 'Console Home', 'Welcome to AWS', 'AWS Health', and 'Cost and usage'. The main area displays the 'Applications' section, which is currently empty. The right sidebar shows account information (Account ID: 9042-3308-7132, Region: Europe (Stockholm)), a 'Turn on multi-session support' button, and a 'Sign out' button.

Console Home

Recently visited

- IAM
- EC2
- S3

Applications (0)

No applications

Create application

Account ID: 9042-3308-7132

Region: Europe (Stockholm)

eu-north-1 (Current Region)

Find applications

Name | Description | Region

Turn on multi-session support

Sign out



IAM user sign in [?](#)

Account ID (12 digits) or account alias
904233087132

IAM username
Jahnavi

Password

Show Password [Having trouble?](#)

Sign in

Sign in using root user email

[Create a new AWS account](#)

Remember this account

Amazon Lightsail

Lightsail is the easiest way to get started on AWS

[Learn more »](#)



aws | Search [Alt+S] | Europe (Stockholm) | Agra Jahnavi | ☰ | 🌐 | ⚙️

Console Home [Info](#)

Recently visited [Info](#)

- IAM
- EC2
- S3

[View all services](#)

Applications (0) [Info](#)

Region: Europe (Stockholm)

eu-north-1 (Current Region) [Find applications](#)

Name	Description	Region	Originati.
No applications Get started by creating an application.			

[Create application](#)

[Go to myApplications](#)

Welcome to AWS

Getting started with [AWS](#)

AWS Health [Info](#)

Open issues

Cost and usage [Info](#)

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PROJECT 11

IAM POLICY INHERITANCE

Policies are evaluated together for a user, including

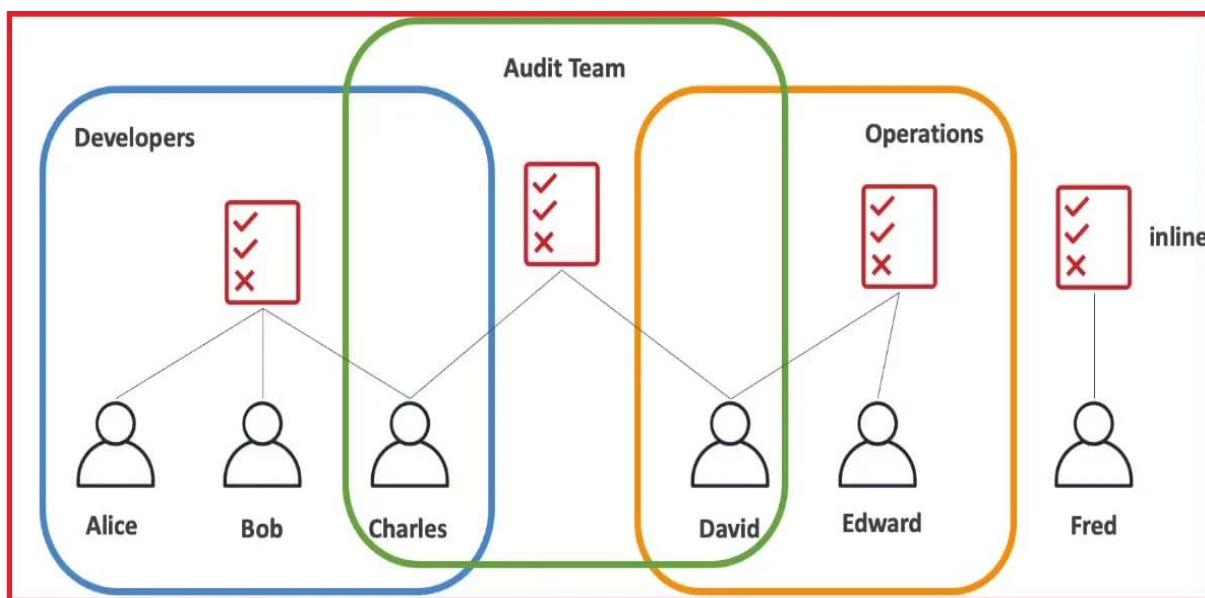
- Directly attached policies
- Group policies
- Policies attached to roles

If multiple policies apply, IAM combines them to evaluate the final permission set.

Policy Types:

- Inline policies: Directly attached to a single user, group or role.
- Managed policies: Reusable policies created and maintained by AWS (AWS managed) or customer (customer managed).
- Group-inherited policies: Policies assigned to groups apply to all users in that group.

Let's imagine we have a group of developers, Alice, Bob and Charles and we, attach a policy at the group level. In that case, the policy will get applied to every single member of the group both Alice, Bob, Charles will get access and inherit this policy.



PROJECT 12

REMOVING THE PERMISSIONS FOR A SPECIFIC USER IN IAM

- Login to the AWS console
- Select the IAM service
- Select users in the navigation pane
- Select the user whose permissions you want to remove
- Remove the permission set or user access

The screenshot shows the AWS IAM Policy Details page for a policy named 'ExamplePolicy'. The policy ARN is 'arn:aws:iam::111122223333:policy/ExamplePolicy' and the description is 'This example policy grants access to multiple AWS services.' The 'Access Advisor' tab is selected, showing a table of service names and their last accessed status. The table includes services like Amazon API Gateway, Amazon AppStream, Amazon CloudFront, Amazon CloudSearch, Amazon CloudWatch, Amazon CloudWatch Logs, Amazon Cognito Identity, Amazon Cognito Sync, Amazon DynamoDB, and Amazon EC2. Most services show 'Not accessed in the tracking period', while a few show specific dates like '2015-11-06 09:00:10:00 PST'.

Administrators

Summary

Delete

Edit

User group name

Administrators

Creation time

March 16, 2022, 12:05 (UTC-04:00)

ARN

arn:aws:iam::082872477289:group/Administrators

Users

Permissions

Access Advisor

Permissions policies (1) Info

You can attach up to 10 managed policies.



Simulate

Remove

Add permissions ▾

Filter policies by property or policy name and press enter

< 1 >



Policy name



Type



Description



AdminRolePolicy

Customer inline

PROJECT 13

IAM PASSWORD POLICY

Password Requirements:

- Passwords are case-sensitive.
- Passwords must be between 8 and 64 characters in length.
- Passwords must contain at least one character from each of the following four categories:
 - Lowercase letters (a-z)
 - Uppercase letters (A-Z)
 - Numbers (0-9)
 - Non-alphanumeric characters (~! @#\$%^&*_ - +=`|\(){}[];";'"<>,.?/)
- The last three passwords cannot be reused.
- Passwords that are publicly known through a data set leaked from a third party cannot be used.
-

The screenshot shows the AWS IAM Account Settings page. The left sidebar has 'Identity and Access Management (IAM)' selected. The main content area is titled 'Account settings' and shows the 'Password policy' section. It states: 'This AWS account uses the following default password policy.' Under 'Password minimum length', it says '8 characters'. Under 'Password strength', it says 'Include a minimum of three of the following mix of character types:' followed by a bulleted list: 'Uppercase', 'Lowercase', 'Numbers', and 'Non-alphanumeric characters'. To the right, under 'Other requirements', there are two bullet points: 'Never expire password' and 'Must not be identical to your AWS account name or email address'. There is also an 'Edit' button in the top right corner of the password policy section.

▼ Password Policy

A password policy is a set of rules that define the type of password an IAM user can set. For more information about password policies, go to [Managing Passwords](#) in Using IAM.

Currently, this AWS account does not have a password policy. Specify a password policy below.

Minimum password length:

6

- Require at least one uppercase letter [i](#)
 - Require at least one lowercase letter [i](#)
 - Require at least one number [i](#)
 - Require at least one non-alphanumeric character [i](#)
 - Allow users to change their own password [i](#)
 - Enable password expiration [i](#)
- Password expiration period (in days):
- Prevent password reuse [i](#)
- Number of passwords to remember:
- Password expiration requires administrator reset [i](#)

[Apply password policy](#)

[Delete password policy](#)

Set password policy

A password policy is a set of rules that define complexity requirements and mandatory rotation periods for your IAM users' passwords. [Learn more](#)

Select your account password policy requirements:

Enforce minimum password length

10 characters

Require at least one uppercase letter from Latin alphabet (A-Z)

Require at least one lowercase letter from Latin alphabet (a-z)

Require at least one number

Require at least one non-alphanumeric character (! @ # \$ % ^ & * () _ + - = [] { } | ')

Enable password expiration

Expire passwords in 90 day(s)

Password expiration requires administrator reset

Allow users to change their own password

Prevent password reuse

[Cancel](#)

[Save changes](#)

PROJECT 14

LOGIN USING MFA CODE

To Create MFA (Multifactor Authentication):

1. Open AWS login console
 2. In search bar type IAM
 3. Click on that IAM
 4. Go to dashboard
 5. On that dashboard click on the right side, It will appear like ADD MFA.
 6. Click on that
 7. Give some name
 8. Select device has authentication app
 9. Click on next
 10. Scan the QR code
 11. Enter first code
 12. After 30 seconds it will get new code on mobile phone, enter that new code
 13. Click on add MFA
- It is a very secure, because if anyone access your account without MFA that user won't access your account.
Ex: G-mail, Facebook.



PROJECT 15

ELASTIC COMPUTE CLOUD

The screenshot shows the 'Launch an instance' wizard on the AWS EC2 service. The current step is 'Name and tags'. A text input field contains 'e.g. My Web Server'. Below it is a 'Add additional tags' button. The next step, 'Application and OS Images (Amazon Machine Image)', is visible with a search bar and a grid of recent AMIs including Amazon Linux, macOS, Ubuntu, Windows, Red Hat, SUSE Linux, and Debian.

Name and tags

Name
e.g. My Web Server

Add additional tags

Application and OS Images (Amazon Machine Image)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

Recent AMIs

- Amazon Linux
- macOS
- Ubuntu
- Windows
- Red Hat
- SUSE Linux
- Debian

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Cancel Launch instance Preview code

The screenshot shows the 'Launch an instance' wizard on the AWS EC2 service. The current step is 'Configure storage'. It shows a single root volume of 30 GiB using gp3 storage. A note indicates that free-tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. The selected AMI contains more instance store volumes than the instance allows, with only the first 0 instance store volumes accessible. There are sections for backup and file systems, both currently empty. The 'Advanced' tab is visible at the top right.

Configure storage

Advanced

1x 30 GiB gp3 Root volume, 3000 IOPS, Not encrypted

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems

Advanced details

Cancel Launch instance Preview code

aws | ⋮ Search [Alt+S] | ☰ | 🔔 | ⓘ | ⚙️ | Europe (Stockholm) | Agra Jahnavi | Q

Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-1021-aws x86_64)

* Documentation: <https://help.ubuntu.com>
* Management: <https://landscape.canonical.com>
* Support: <https://ubuntu.com/pro>

System information as of Sat Mar 8 14:46:25 UTC 2025

System load: 0.2	Temperature: -273.1 C
Usage of /: 6.0% of 28.02GB	Processes: 114
Memory usage: 23%	Users logged in: 0
Swap usage: 0%	IPv4 address for ens5: 172.31.38.121

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See <https://ubuntu.com/esm> or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

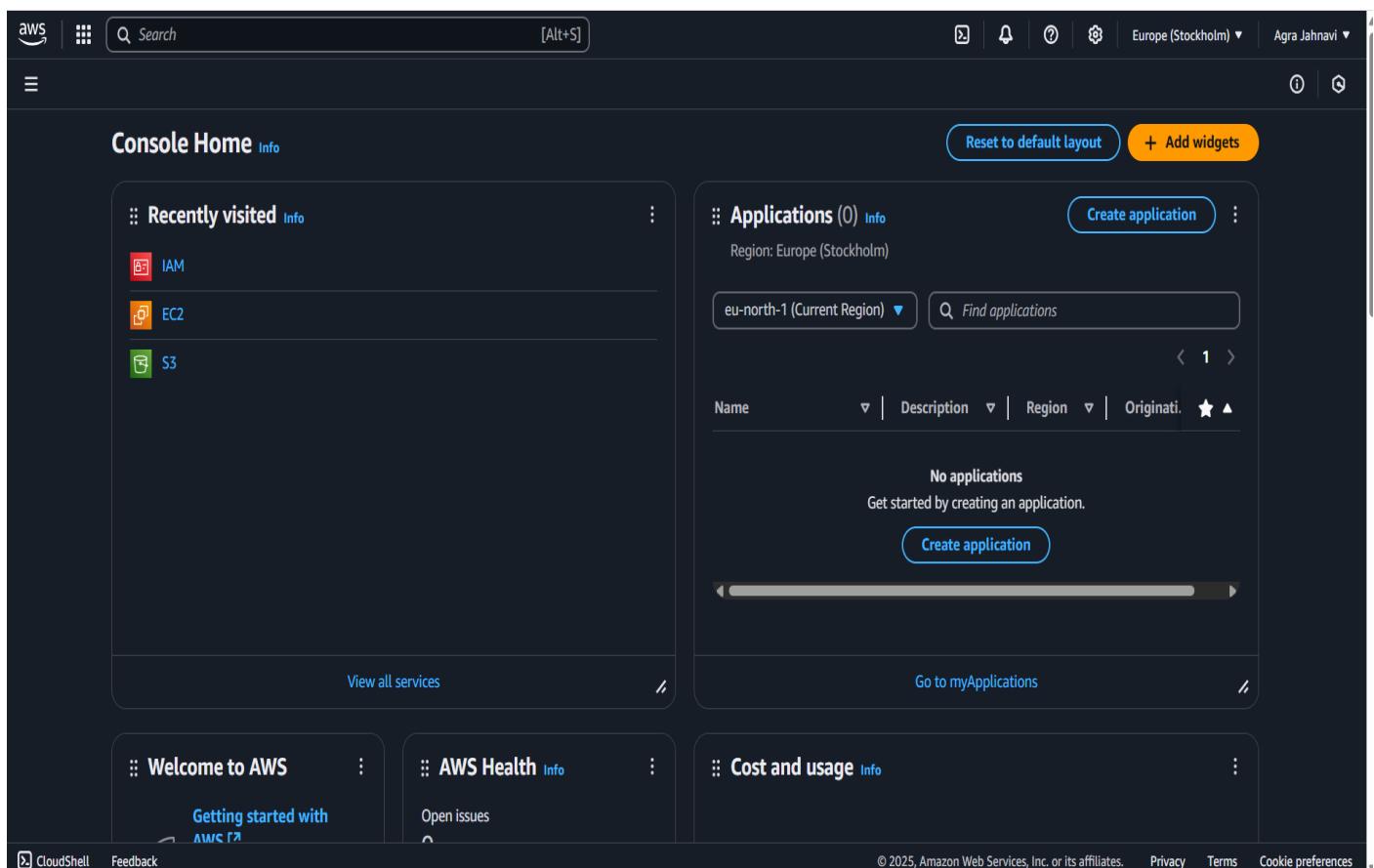
i-030c715bddf930a1a (Jahnnavi01) X

PublicIPs: 13.60.214.30 PrivateIPs: 172.31.38.121

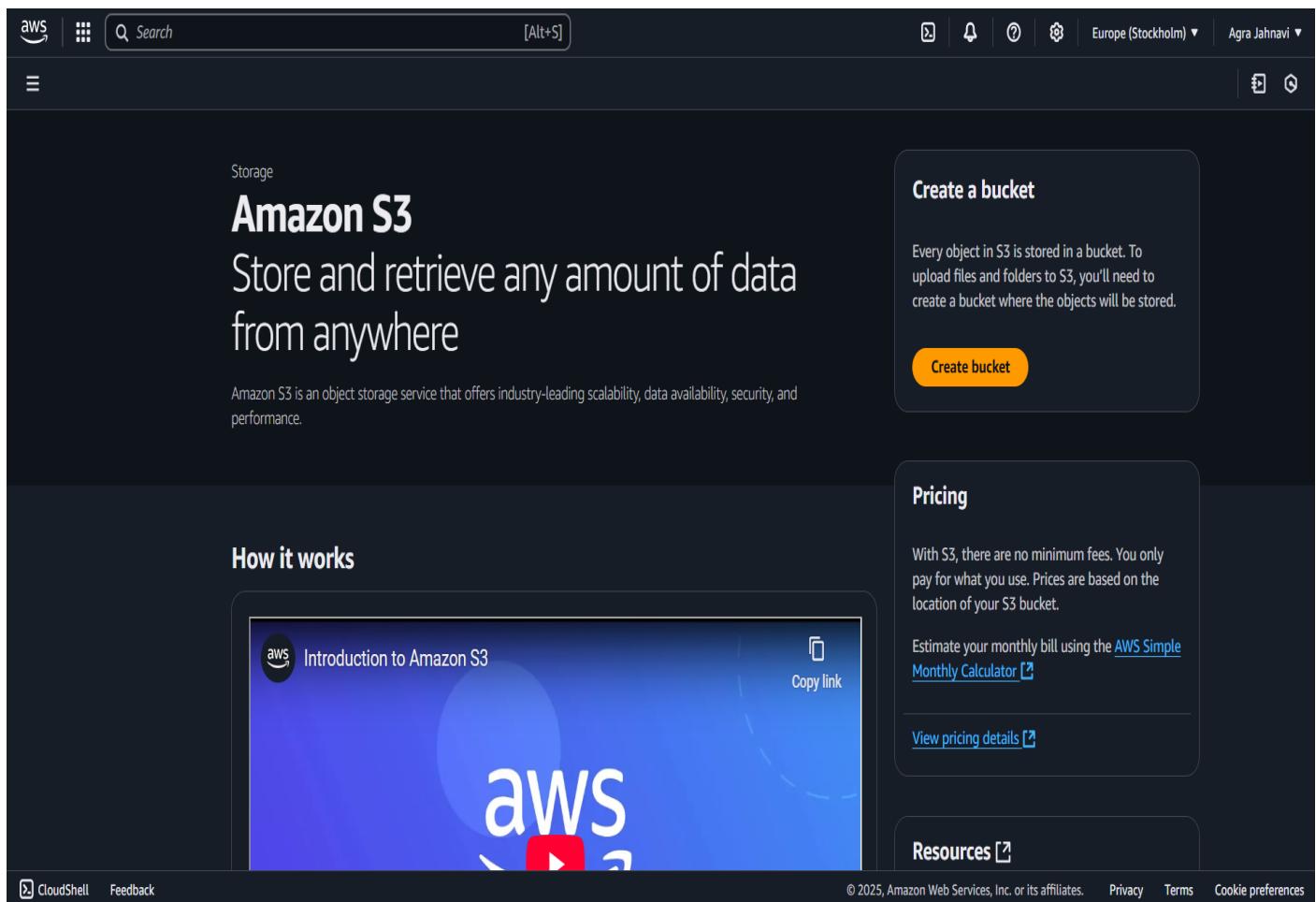
PROJECT 16

CREATION OF S3 BUCKET

Login to AWS Console:



Navigate to S3:



The screenshot shows the AWS S3 landing page. At the top, there's a navigation bar with the AWS logo, a search bar, and various icons. The main heading is "Amazon S3" with the subtext "Store and retrieve any amount of data from anywhere". Below this, a paragraph explains that Amazon S3 is an object storage service. To the right, there are two callout boxes: one for "Create a bucket" and another for "Pricing". The "Create a bucket" box contains text about buckets and a "Create bucket" button. The "Pricing" box contains text about no minimum fees and a link to the AWS Simple Monthly Calculator. At the bottom, there's a video thumbnail titled "Introduction to Amazon S3" with a "Copy link" button, and links for "Resources" and "View pricing details".

Storage

Amazon S3

Store and retrieve any amount of data from anywhere

Amazon S3 is an object storage service that offers industry-leading scalability, data availability, security, and performance.

Create a bucket

Every object in S3 is stored in a bucket. To upload files and folders to S3, you'll need to create a bucket where the objects will be stored.

[Create bucket](#)

Pricing

With S3, there are no minimum fees. You only pay for what you use. Prices are based on the location of your S3 bucket.

Estimate your monthly bill using the [AWS Simple Monthly Calculator](#)

[View pricing details](#)

How it works

Introduction to Amazon S3

Copy link

Resources

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Create an S3 Bucket:

The screenshot shows the AWS S3 'Create bucket' wizard. The top navigation bar includes the AWS logo, a search bar, and links for 'Buckets' and 'Create bucket'. The main content area has a dark background.

General configuration

AWS Region: Europe (Stockholm) eu-north-1

Bucket type: General purpose (selected)

General purpose: Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

Directory: Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Bucket name: jahnavibucket1210

Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

Copy settings from existing bucket - optional: Only the bucket settings in the following configuration are copied. [Choose bucket](#)

Format: s3://bucket/prefix

Object Ownership

Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

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Bucket is Created:

The screenshot shows the AWS S3 Buckets page. At the top, there is a green success message: "Successfully created bucket 'jahnavibucket1210'. To upload files and folders, or to configure additional bucket settings, choose View details." Below this, there is an account snapshot section with a link to "View Storage Lens dashboard". The main table displays one general purpose bucket named "jahnavibucket1210" located in "Europe (Stockholm) eu-north-1". The table includes columns for Name, AWS Region, IAM Access Analyzer, and Creation date. At the bottom, there are links for CloudShell, Feedback, and various AWS services.

Successfully created bucket "jahnavibucket1210". To upload files and folders, or to configure additional bucket settings, choose [View details](#).

▶ Account snapshot - updated every 24 hours [All AWS Regions](#) [View Storage Lens dashboard](#)

Buckets are containers for data stored in S3.

Name	AWS Region	IAM Access Analyzer	Creation date
jahnavibucket1210	Europe (Stockholm) eu-north-1	View analyzer for eu-north-1	March 5, 2025, 09:11:55 (UTC+05:30)

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Upload a file in S3 Bucket Manually:

The screenshot shows the AWS S3 console interface. At the top, there's a navigation bar with the AWS logo, a search bar, and a 'Search [Alt+S]' button. Below the navigation bar, the path 'Amazon S3 > Buckets > jahnavibucket1210' is displayed. On the right side of the header, there are icons for notifications, help, and account information ('Europe (Stockholm) ▾ Agra Jahnavi ▾'). The main content area is titled 'jahnavibucket1210 Info'. Below the title, there are tabs for 'Objects', 'Properties', 'Permissions', 'Metrics', 'Management', and 'Access Points'. The 'Objects' tab is selected. Under the 'Objects' tab, there's a section titled 'Objects (0)' with a note: 'Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)'.

Below this note, there's a search bar with the placeholder 'Find objects by prefix' and a 'Show versions' toggle switch. A table header row shows columns for 'Name', 'Type', 'Last modified', 'Size', and 'Storage class'. A message 'No objects' indicates that there are no objects in the bucket. At the bottom of the table area is a blue 'Upload' button with a camera icon.

At the bottom of the page, there are links for 'CloudShell', 'Feedback', and copyright information: '© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences'.

The screenshot shows the AWS S3 console after a file has been uploaded. At the top, there's a green success message: 'Upload succeeded' with a circular icon and 'For more information, see the [Files and folders](#) table.' On the right, there's a 'Close' button.

Below the message, there's a summary section with a 'Close' button. It shows the destination 's3://jahnavibucket1210' and two status boxes: 'Succeeded' (1 file, 1.5 MB (100.00%)) and 'Failed' (0 files, 0 B (0%)).

At the bottom, there are tabs for 'Files and folders' (selected) and 'Configuration'. The 'Files and folders' tab shows a table with one item: 'Little Fashion Free Website Tem...' (application/x-zip-compressed, 1.5 MB, Status: Succeeded). The table has columns for 'Name', 'Folder', 'Type', 'Size', 'Status', and 'Error'.

At the bottom of the page, there are links for 'CloudShell', 'Feedback', and copyright information: '© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences'.

403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: 8D34X20G48KYZTBH
- HostId: jQ06lQCAjeU/9YB8ooQlpawfwzP+6zWWJWRuh1gmR2he1ASjmpAVaB74Q6/59CiY8Y548AzcS6cEEtqSjLmckQ==

The screenshot shows the 'Edit bucket policy' page in the AWS S3 console. The left sidebar lists various S3 features like General purpose buckets, Storage Lens, and Feature spotlight. The main content area has a dark header 'Edit bucket policy' with a 'Info' link. Below it is a 'Bucket policy' section with a JSON editor containing one statement. The statement is a simple deny rule:

```
1 { "Effect": "Deny", "Principal": "*", "Action": "s3:GetObject", "Resource": "arn:aws:s3:::jahnnavibucket1210/*" }
```

There are 'Policy examples' and 'Policy generator' buttons at the top right of the editor. To the right of the editor, there's a 'Select a statement' section with a note about existing statements and a '+ Add new statement' button.



AWS Policy Generator

The AWS Policy Generator is a tool that enables you to create policies that control access to Amazon Web Services (AWS) products and resources. For more information about creating policies, see [key concepts in Using AWS Identity and Access Management](#). Here are [sample policies](#).

Step 1: Select Policy Type

A Policy is a container for permissions. The different types of policies you can create are an [IAM Policy](#), an [S3 Bucket Policy](#), an [SNS Topic Policy](#), a [VPC Endpoint Policy](#), and an [SQS Queue Policy](#).

Select Type of Policy

Step 2: Add Statement(s)

A statement is the formal description of a single permission. See [a description of elements](#) that you can use in statements.

Effect Allow Deny

Principal

Use a comma to separate multiple values.

AWS Service All Services ('*')

Use multiple statements to add permissions for more than one service.

Actions All Actions ('*')

Amazon Resource Name (ARN)

ARN should follow the following format: arn:aws:s3:::\${BucketName}/\${Key}

Use a comma to separate multiple values.

Add Conditions (Optional)

AWS Service All Services ('*')

Use multiple statements to add permissions for more than one service.

Actions All Actions ('*')

Amazon Resource Name (ARN)

ARN should follow the following format: arn:aws:s3:::\${BucketName}/\${Key}

Use a comma to separate multiple values.

Add Conditions (Optional)

You added the following statements. Click the button below to Generate a policy.

Principal(s)	Effect	Action	Resource	Conditions
*	Allow	s3:*	arn:aws:s3:::jahnnavibucket1210	None

Step 3: Generate Policy

A *policy* is a document (written in the [Access Policy Language](#)) that acts as a container for one or more statements.

This AWS Policy Generator is provided for informational purposes only, you are still responsible for your use of Amazon Web Services technologies and ensuring that your use is in compliance with all applicable terms and conditions. This AWS Policy Generator is provided **as is** without warranty of any kind, whether express, implied, or statutory. This AWS Policy Generator does not modify the applicable terms and conditions governing your use of Amazon Web Services technologies.

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An company

Successfully edited bucket policy.

jahnnavibucket1210 Info

Objects Properties **Permissions** Metrics Management Access Points

Permissions overview

Access finding
Access findings are provided by IAM external access analyzers. Learn more about [How IAM analyzer findings work](#)

[View analyzer for eu-north-1](#)

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

Block all public access
Off
► Individual Block Public Access settings for this bucket

Bucket policy

[Edit](#) [Delete](#)

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Edit bucket policy Info

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

Bucket ARN
arn:aws:s3:::jahnnavibucket1210

Policy

```
1  {
2    "Version": "2012-10-17",
3    "Id": "Policy174114677923",
4    "Statement": [
5      {
6        "Sid": "Stmt1741146743336",
7        "Effect": "Allow",
8        "Principal": "*",
9        "Action": "s3:*",
10       "Resource": "arn:aws:s3:::jahnnavibucket1210/*"
11     }
12   ]
13 }
```

Edit statement [Remove Stmt1741146743336](#)

Add actions
Choose a service Filter services

Included
S3

Available
AI Operations
AMP
Amazon CloudWatch Metrics

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Upload Info

Upload 40 files to this site?

This will upload all files from "2127_little_fashion". Only do this if you trust the site.

[Upload](#) [Cancel](#)

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose [Add files](#) or [Add folder](#).

Files and folders (0)

All files and folders in this table will be uploaded.

<input type="text"/> Find by name	< 1 >		
Name	Folder	Type	Size
No files or folders			
You have not chosen any files or folders to upload.			

Destination Info

Destination
s3://jahnnavibucket1210

Destination details

Bucket settings that impact new objects stored in the specified destination.

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File is uploaded successfully!

AWS | Search [Alt+S] | Europe (Stockholm) | Agra Jahnavi

Upload succeeded
For more information, see the [Files and folders](#) table.

Files and folders (40 total, 2.1 MB)

Name	Folder	Type	Size	Status	Error
ABOUT THIS TEMPLATE.txt	2127_little_fashion/	text/plain	510.0 B	Succeeded	-
about.html	2127_little_fashion/	text/html	18.6 KB	Succeeded	-
contact.html	2127_little_fashion/	text/html	10.6 KB	Succeeded	-
faq.html	2127_little_fashion/	text/html	13.1 KB	Succeeded	-
index.html	2127_little_fashion/	text/html	22.7 KB	Succeeded	-
product-detail.html	2127_little_fashion/	text/html	15.3 KB	Succeeded	-
products.html	2127_little_fashion/	text/html	14.4 KB	Succeeded	-
sign-in.html	2127_little_fashion/	text/html	5.4 KB	Succeeded	-
sign-up.html	2127_little_fashion/	text/html	6.8 KB	Succeeded	-
bootstrap.bundle.min.js	2127_little_fashion/js/	text/javascript	76.9 KB	Succeeded	-

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jahnnavbucket1210.s3.eu-north-1.amazonaws.com/2127_little_fashion/index.html

Little Fashion Home Story Products FAQs Contact



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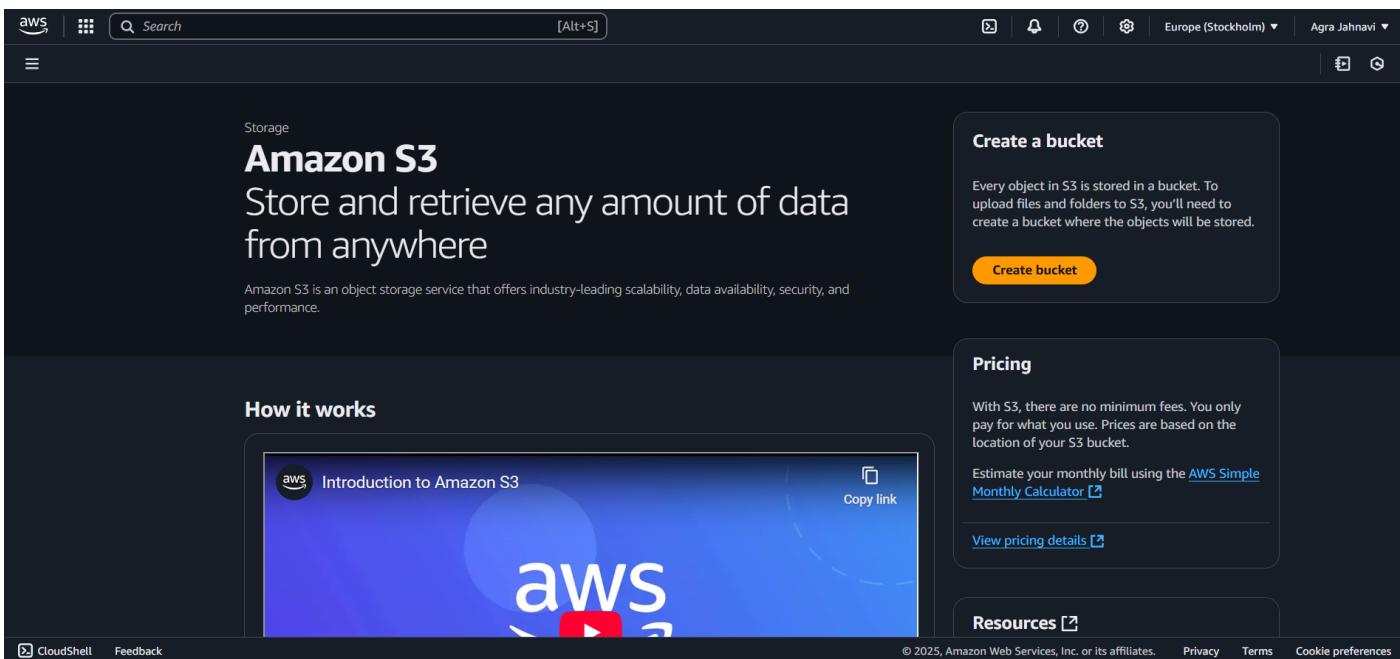
MINI PROJECT -1

S3 BUCKET CREATION

Login to AWS console:

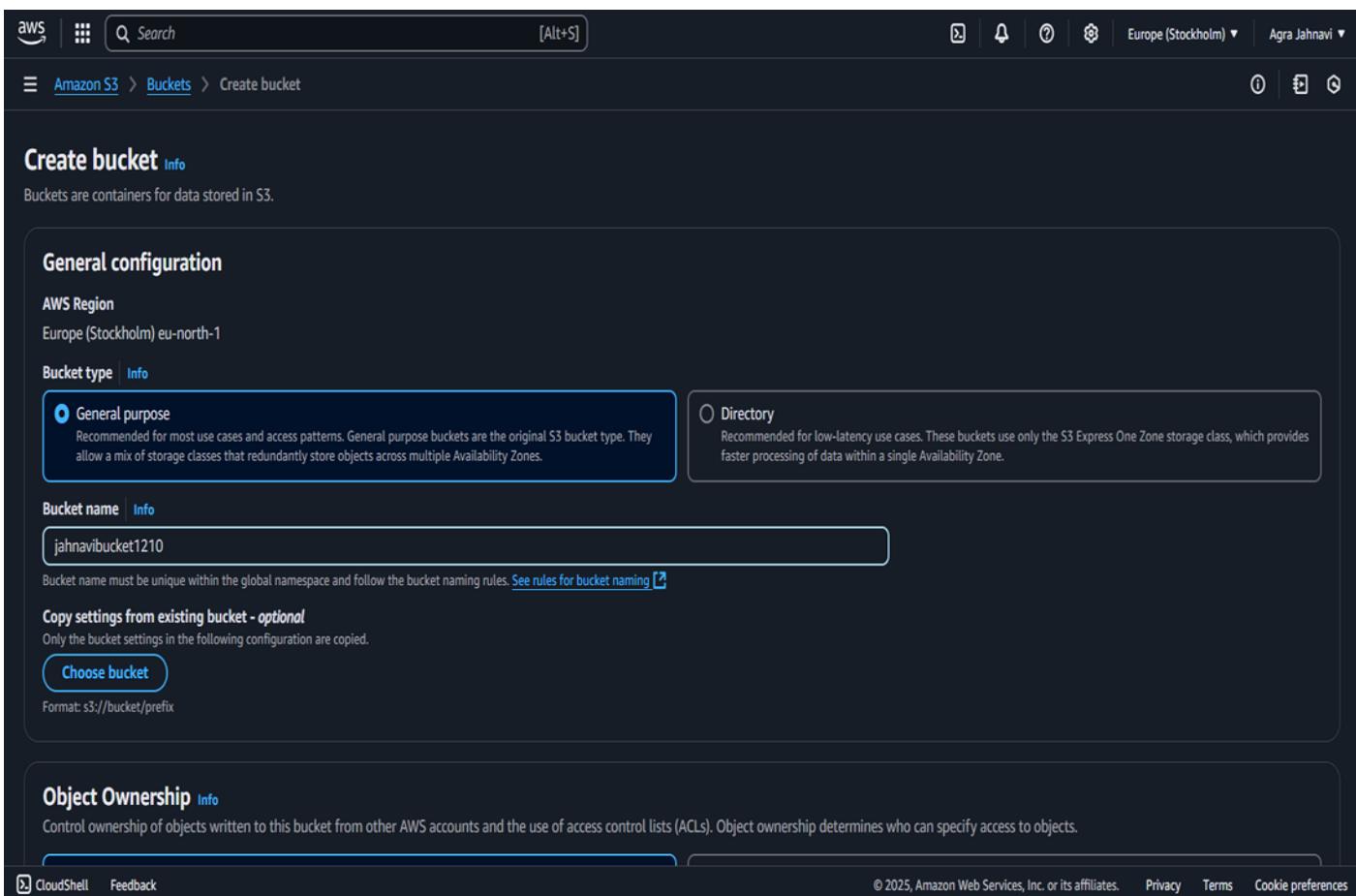
The screenshot shows the AWS Console Home page with a dark theme. At the top, there is a search bar and navigation icons. The top right corner displays the region "Europe (Stockholm)" and a user name "Agra Jahnvi". Below the header, there are several sections: "Recently visited" (IAM, EC2, S3), "Applications (0)", "Welcome to AWS", "AWS Health", and "Cost and usage". The "Recently visited" section has a "Reset to default layout" button and an "+ Add widgets" button. The "Applications" section shows a message "No applications" and a "Create application" button. The "Welcome to AWS" section includes a "Getting started with AWS" link. At the bottom, there are links for "CloudShell", "Feedback", "Privacy", "Terms", and "Cookie preferences".

Navigate to S3:



The screenshot shows the Amazon S3 homepage. At the top right, there are navigation links for 'CloudShell', 'Feedback', 'Europe (Stockholm)', and a user profile 'Agra Jahnavi'. Below the header, the page title 'Amazon S3' is displayed with the subtitle 'Store and retrieve any amount of data from anywhere'. A brief description states: 'Amazon S3 is an object storage service that offers industry-leading scalability, data availability, security, and performance.' To the right, there's a 'Create a bucket' button and a section about pricing. At the bottom, there's a 'How it works' section featuring a video thumbnail titled 'Introduction to Amazon S3'.

Create an S3 Bucket:



The screenshot shows the 'Create bucket' wizard in the AWS S3 console. The top navigation bar includes 'CloudShell', 'Feedback', 'Europe (Stockholm)', 'Agra Jahnavi', and other standard AWS links. The main form is titled 'Create bucket' with an 'Info' link. It starts with 'General configuration' settings: 'AWS Region' set to 'Europe (Stockholm) eu-north-1', 'Bucket type' set to 'General purpose' (selected), and a 'Bucket name' field containing 'jahnnavibucket1210'. There's also a 'Copy settings from existing bucket - optional' section with a 'Choose bucket' button and a note about prefix format. The 'Object Ownership' section at the bottom discusses how objects are owned by the account that creates them. The footer contains standard AWS links like 'CloudShell', 'Feedback', and 'Cookie preferences'.

Bucket is Created:

The screenshot shows the AWS S3 Buckets page. At the top, there is a green success message: "Successfully created bucket 'jahnnavibucket1210'. To upload files and folders, or to configure additional bucket settings, choose View details." Below this, there is an "Account snapshot - updated every 24 hours" section with a "View Storage Lens dashboard" button. The main area shows a table of General purpose buckets, with one entry: "jahnnavibucket1210". The table includes columns for Name, AWS Region, IAM Access Analyzer, and Creation date. The bucket details show it was created on March 5, 2025, at 09:11:55 (UTC+05:30). Action buttons for Copy ARN, Empty, Delete, and Create bucket are available for each row.

Upload a file manually:

The screenshot shows the AWS S3 Bucket Objects page for "jahnnavibucket1210". The top navigation bar shows the path "Amazon S3 > Buckets > jahnnavibucket1210". The main content area displays a table titled "Objects (0)". A message states: "Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)". The table has columns for Name, Type, Last modified, Size, and Storage class. A large "Upload" button is located at the bottom of the table. The footer includes standard AWS links: CloudShell, Feedback, © 2025, Amazon Web Services, Inc. or its affiliates., Privacy, Terms, and Cookie preferences.

aws | Search [Alt+S] | Europe (Stockholm) | Agra Jahnvi

Upload succeeded
For more information, see the Files and folders table.

Upload: status

After you navigate away from this page, the following information is no longer available.

Summary

Destination	Succeeded	Failed
s3://jahnavibucket1210	1 file, 1.5 MB (100.00%)	0 files, 0 B (0%)

Files and folders (1 total, 1.5 MB)

Name	Folder	Type	Size	Status	Error
Little Fashion Free Website Tem...	-	application/x-zip-compressed	1.5 MB	Succeeded	-

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403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: 8D34X20G48KYZTBH
- HostId: jQ06lQCAjeU/9YB8ooQlpawfwzP+6zWWJWRuh1gmR2he1ASjmpAVaB74Q6/59CiY8Y548AzcS6cEEtqSjLmckQ==



AWS Policy Generator

The AWS Policy Generator is a tool that enables you to create policies that control access to Amazon Web Services (AWS) products and resources. For more information about creating policies, see [key concepts in Using AWS Identity and Access Management](#). Here are [sample policies](#).

Step 1: Select Policy Type

A Policy is a container for permissions. The different types of policies you can create are an [IAM Policy](#), an [S3 Bucket Policy](#), an [SNS Topic Policy](#), a [VPC Endpoint Policy](#), and an [SQS Queue Policy](#).

Select Type of Policy

Step 2: Add Statement(s)

A statement is the formal description of a single permission. See a [description of elements](#) that you can use in statements.

Effect Allow Deny

Principal

Use a comma to separate multiple values.

AWS Service All Services ('*')

Use multiple statements to add permissions for more than one service.

Actions All Actions ('*')

Amazon Resource Name (ARN)

ARN should follow the following format: arn:aws:s3:::\${BucketName}/\${KeyName}.

Use a comma to separate multiple values.

Add Conditions (Optional)

Use a comma to separate multiple values.

AWS Service All Services ('*')

Use multiple statements to add permissions for more than one service.

Actions All Actions ('*')

Amazon Resource Name (ARN)

ARN should follow the following format: arn:aws:s3:::\${BucketName}/\${KeyName}.

Use a comma to separate multiple values.

Add Conditions (Optional)

You added the following statements. Click the button below to Generate a policy.

Principal(s)	Effect	Action	Resource	Conditions
* *	Allow	s3:*	arn:aws:s3:::jahnnavbucket1210	None

Step 3: Generate Policy

A *policy* is a document (written in the [Access Policy Language](#)) that acts as a container for one or more statements.

This AWS Policy Generator is provided for informational purposes only, you are still responsible for your use of Amazon Web Services technologies and ensuring that your use is in compliance with all applicable terms and conditions. This AWS Policy Generator is provided **as is** without warranty of any kind, whether express, implied, or statutory. This AWS Policy Generator does not modify the applicable terms and conditions governing your use of Amazon Web Services technologies.

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Successfully edited bucket policy.

jahnnavibucket1210 Info

Objects Properties **Permissions** Metrics Management Access Points

Permissions overview

Access finding
Access findings are provided by IAM external access analyzers. Learn more about [How IAM analyzer findings work](#).
[View analyzer for eu-north-1](#)

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#).

Block all public access
Off
► Individual Block Public Access settings for this bucket

Bucket policy

[Edit](#) [Delete](#)

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File is Uploaded successfully!

Upload succeeded
For more information, see the [Files and folders](#) table.

Files and folders (40 total, 2.1 MB)

Find by name

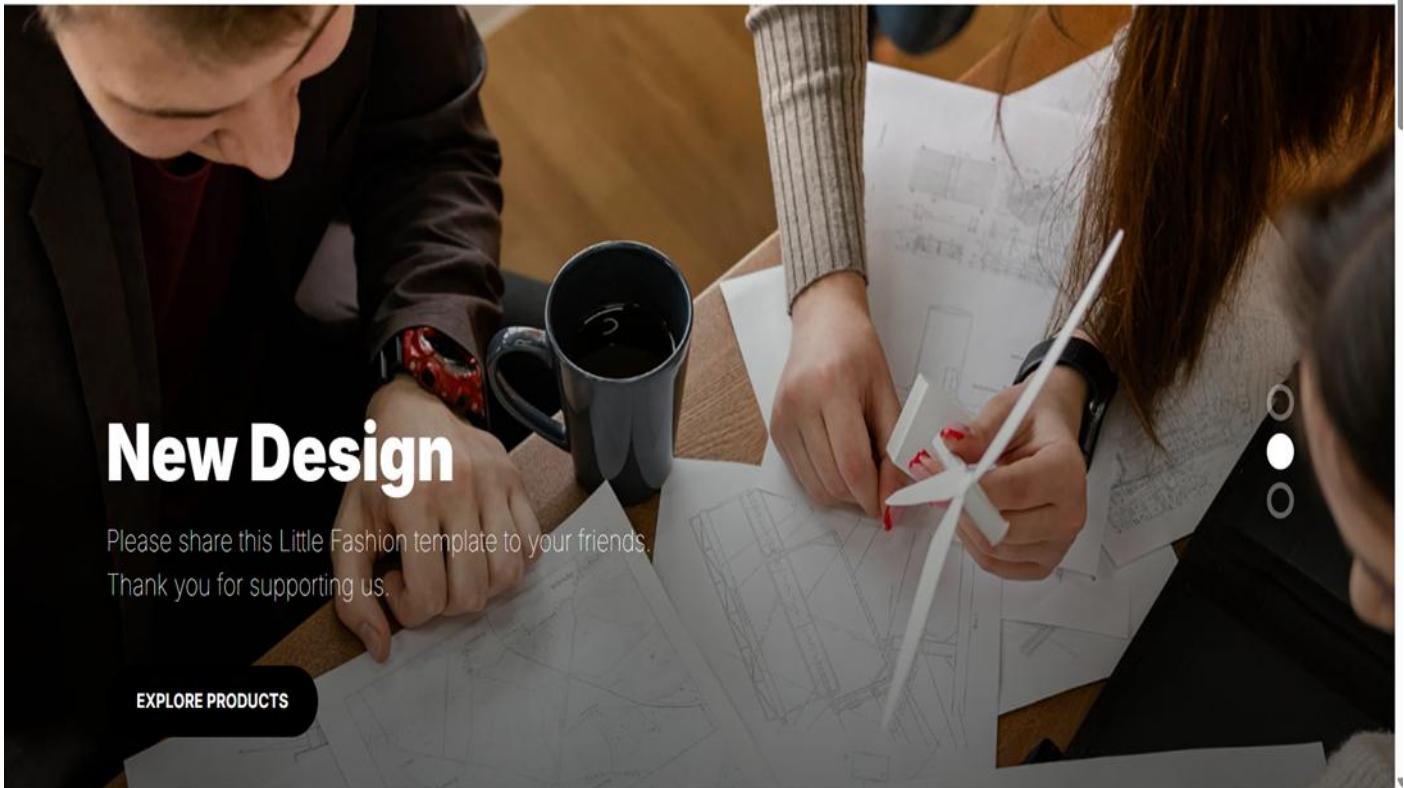
Name	Folder	Type	Size	Status	Error
ABOUT THIS TEMPLATE.txt	2127_little_fashion/	text/plain	510.0 B	Succeeded	-
about.html	2127_little_fashion/	text/html	18.6 KB	Succeeded	-
contact.html	2127_little_fashion/	text/html	10.6 KB	Succeeded	-
faq.html	2127_little_fashion/	text/html	13.1 KB	Succeeded	-
index.html	2127_little_fashion/	text/html	22.7 KB	Succeeded	-
product-detail.html	2127_little_fashion/	text/html	15.3 KB	Succeeded	-
products.html	2127_little_fashion/	text/html	14.4 KB	Succeeded	-
sign-in.html	2127_little_fashion/	text/html	5.4 KB	Succeeded	-
sign-up.html	2127_little_fashion/	text/html	6.8 KB	Succeeded	-
bootstrap.bundle.min.js	2127_little_fashion/js/	text/javascript	76.9 KB	Succeeded	-

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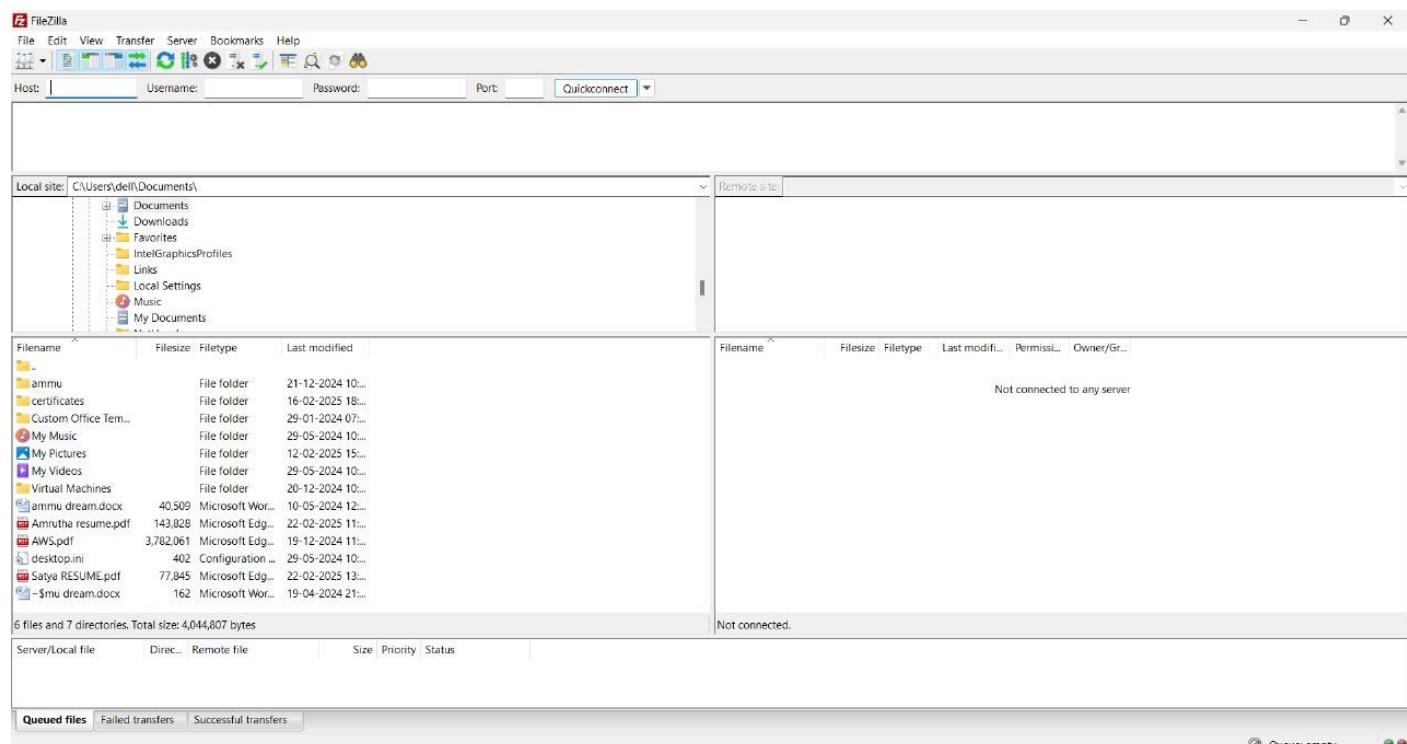
MINI PROJECT -2

Transferring files from Local to Remote using FileZilla

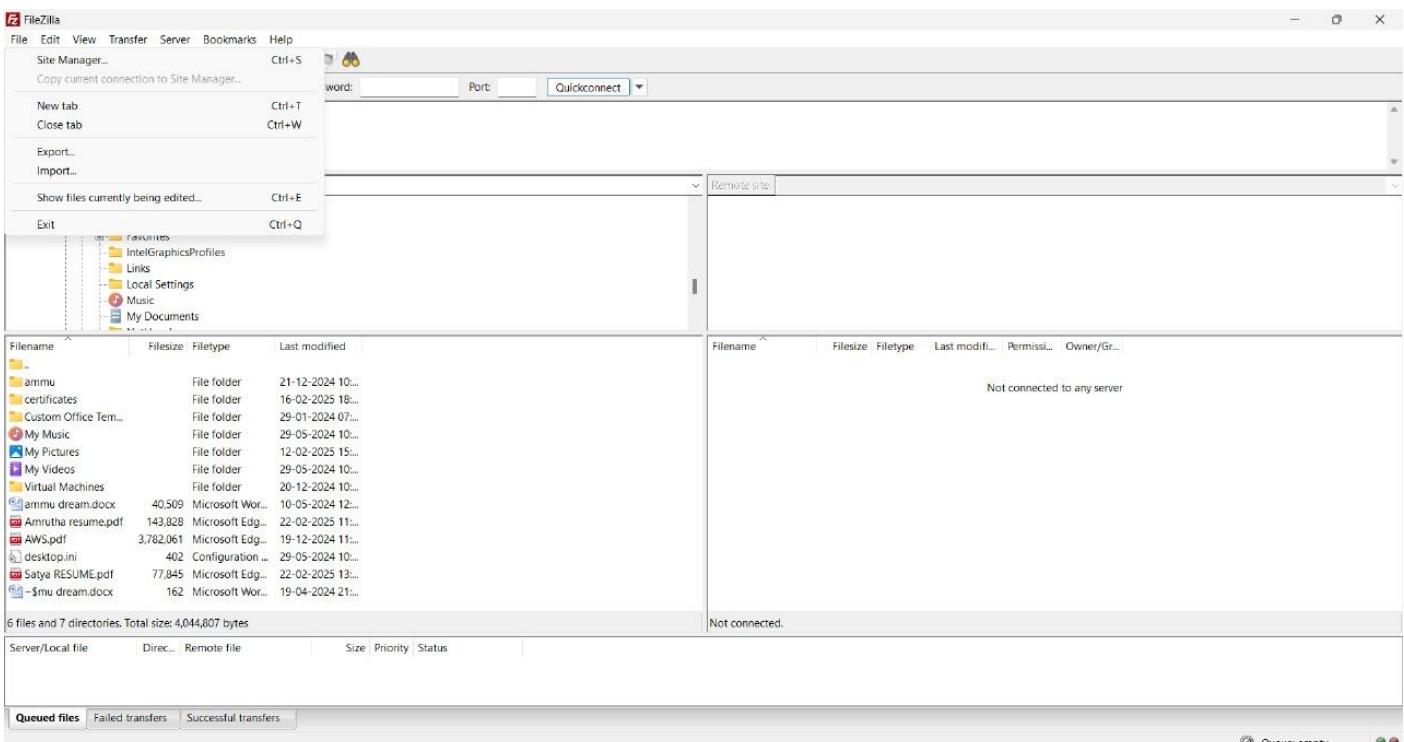
Open VMware and Log in:



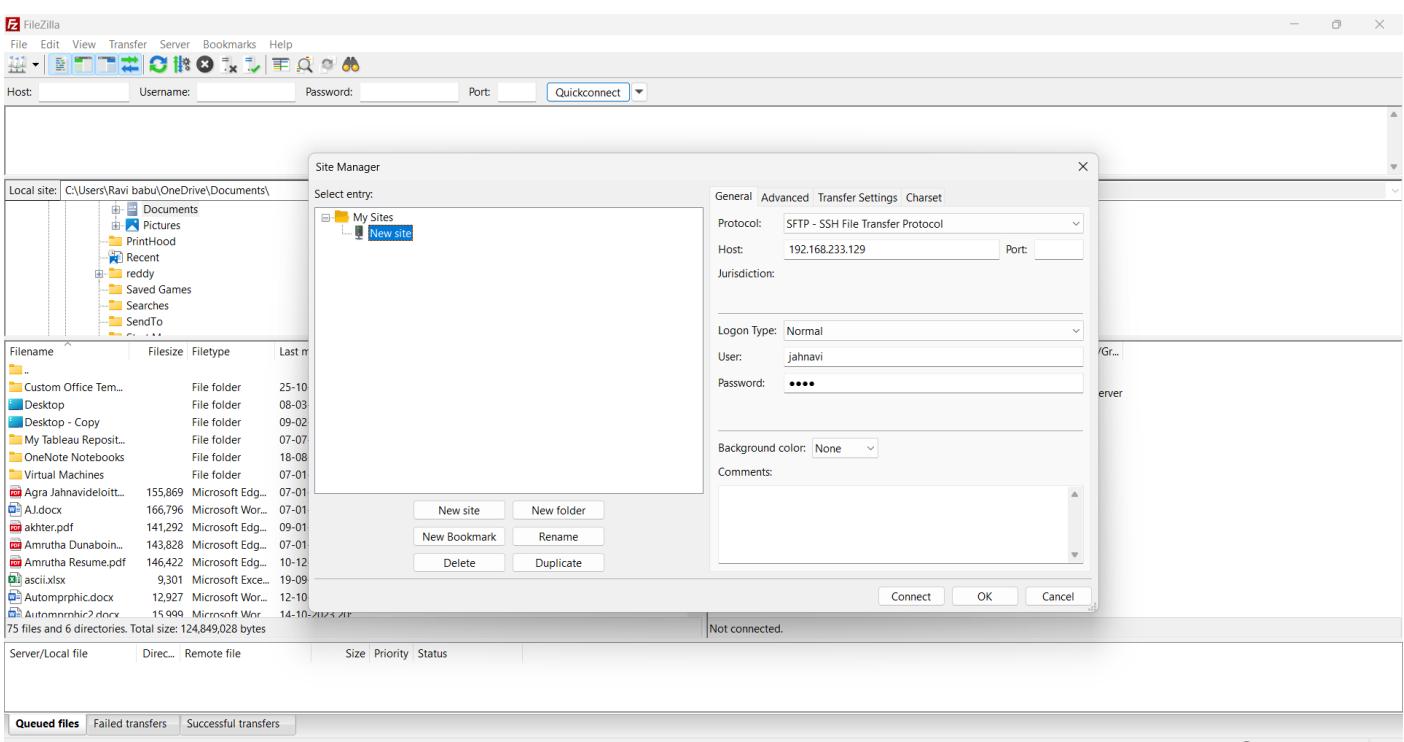
Open FileZilla:



Go to site manager:



Login using SFTP protocol, enter IP address & Login type as normal:



New site - sftp://jahnnavi@192.168.233.129 - FileZilla

File Edit View Transfer Server Bookmarks Help

Host: Username: Password: Port: Quickconnect

Status: Using username "jahnnavi".
 Status: Connected to 192.168.233.129
 Status: Retrieving directory listing..
 Status: Directory listing of "/home/jahnnavi" successful

New site - sftp://jahnnavi@192.168.233.129 | New site - sftp://jahnnavi@192.168.233.129 | New site - sftp://jahnnavi@192.168.233.129

Local site: C:\Users\Ravi.babu\OneDrive\Documents | Remote site: /home/jahnnavi

Filename	Filesize	Filetype	Last modified	Permiss...	Owner/Gr...
..		File folder	25-10-2023 20...	drwx-----	jahnnavi ja...
Custom Office Tem...		File folder	25-10-2023 20...	drwx-----	jahnnavi ja...
Desktop		File folder	08-03-2025 18...	drwx-----	jahnnavi ja...
Desktop - Copy		File folder	09-02-2025 14...	drwx-----	jahnnavi ja...
My Tableau Reposit...		File folder	07-07-2024 11...	drwx-----	jahnnavi ja...
OneNote Notebooks		File folder	18-08-2024 13...	drwx-----	jahnnavi ja...
Virtual Machines		File folder	07-01-2025 09...	drwx-----	jahnnavi ja...
Agra Jahnnavideollo...	155,869	Microsoft Edg...	07-01-2025 19...	-rwxr--r--	jahnnavi ja...
AJ.docx	166,796	Microsoft Wor...	07-01-2025 19...	-rwxr--r--	jahnnavi ja...
akhter.pdf	141,292	Microsoft Edg...	09-01-2025 16...	-rwxr--r--	jahnnavi ja...
Amrutha Dunaboin...	143,828	Microsoft Edg...	07-01-2025 19...	-rwxr--r--	jahnnavi ja...
Amrutha Resume.pdf	146,422	Microsoft Edg...	10-12-2024 12...	-rwxr--r--	jahnnavi ja...
ascii.xlsx	9,301	Microsoft Exce...	19-09-2023 07...	-rwxr--r--	jahnnavi ja...

75 files and 6 directories. Total size: 124,849,028 bytes

Server/Local file	Direc...	Remote file	Size	Priority	Status
-------------------	----------	-------------	------	----------	--------

Queued files Failed transfers Successful transfers

Locked Queue: empty

Transfer Files from local to remote by Dragging:

New site - sftp://jahnnavi@192.168.233.129 - FileZilla

File Edit View Transfer Server Bookmarks Help

Host: Username: Password: Port: Quickconnect

Status: File transfer successful, transferred 146,422 bytes in 1 second
 Status: Retrieving directory listing of "/home/jahnnavi"..
 Status: Listing directory /home/jahnnavi
 Status: Directory listing of "/home/jahnnavi" successful

New site - sftp://jahnnavi@192.168.233.129 | New site - sftp://jahnnavi@192.168.233.129 | New site - sftp://jahnnavi@192.168.233.129

Local site: C:\Users\Ravi.babu\OneDrive\Documents | Remote site: /home/jahnnavi

Filename	Filesize	Filetype	Last modified	Permiss...	Owner/Gr...
..		File folder	17-12-2024...	drwx-----	jahnnavi ja...
cache		File folder	14-12-2024...	drwx-----	jahnnavi ja...
.ssh		File folder	09-03-2025...	-rwx-----	jahnnavi ja...
.bash_history	488	BASH_HI...	07-03-2025...	-rw-----	jahnnavi ja...
.bash_logout	220	Bash Lo...	06-01-2022...	-rw-r--r--	jahnnavi ja...
.bashrc	3,771	Bash RC ...	06-01-2022...	-rw-r--r--	jahnnavi ja...
.lessht	20	LESSHT...	23-12-2024...	-rw-----	jahnnavi ja...
.profile	807	Profile S...	06-01-2022...	-rw-r--r--	jahnnavi ja...
.sudo_as_admin...	0	SUDO_A...	18-12-2024...	-rw-r--r--	jahnnavi ja...

Selected 1 file. Total size: 146,422 bytes

Server/Local file	Direc...	Remote file	Size	Priority	Status
-------------------	----------	-------------	------	----------	--------

Queued files Failed transfers (2) Successful transfers (2)

Locked Queue: empty

Check if the file is uploaded or not in VMware:

server1 - VMware Workstation

File Edit View VM Help

Library Type here to search

My Computer server1 Clone of server1

```
* Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s just raised the bar for easy, resilient and secure K8s cluster deployment.
https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Expanded Security Maintenance for Applications is not enabled.

26 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

Last login: Fri Mar 7 04:33:28 UTC 2025 on tty1
jahnnavi@jahnnavi:~$ in a
1: lo <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 brd 127.255.255.255 scope host lo
        valid_lft forever preferred_lif forever
        inet6 ::1/128 scope host
            valid_lft forever preferred_lif forever
2: ens33 <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:0c:29:3e:6d:e1 brd ff:ff:ff:ff:ff:ff
    altname enp2s0
    inet 192.168.233.129/24 metric 100 brd 192.168.233.255 scope global dynamic ens33
        valid_lft 1735sec preferred_lif 1735sec
        inet6 fe80::20c:29ff:fe3e:6de1/64 scope link
            valid_lft forever preferred_lif forever
3: docker0 <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default
    link/ether 02:42:57:bc:94:a0 brd ff:ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
        valid_lft forever preferred_lif forever
jahnnavi@jahnnavi:~$ _
```

To direct input to this VM, click inside or press Ctrl+G.

Removing the file:

New site - sftp://jahnnavi@192.168.233.129 - FileZilla

File Edit View Transfer Server Bookmarks Help

Host: Username: Password: Port: Quickconnect

Status: Listing directory /home/jahnnavi

Status: Directory listing of "/home/jahnnavi" successful

Status: Disconnected from server

Status: Deleting "/home/jahnnavi/Amrutha Resume.pdf"

New site - sftp://jahnnavi@192.168.233.129 | New site - sftp://jahnnavi@192.168.233.129

Local site: C:\Users\Ravi babu\OneDrive\Documents\		Remote site: /home/jahnnavi	
Desktop	File folder	.	File folder
Desktop - Copy	File folder	cache	File folder
My Tableau Reposit...	File folder	.ssh	File folder
OneNote Notebook	File folder	.bash_history	488 BASH_HIST... 07-03-2025..
Virtual Machines	File folder	.bash_logout	220 Bash Lo... 06-01-2022..
Agra Jahnnavideloit...	155,869 Microsoft Edg...	.bashrc	3,771 Bash RC... 06-01-2022..
AJ.docx	166,796 Microsoft Wor...	.lessht	20 LESSHST... 23-12-2024..
akhter.pdf	141,292 Microsoft Edg...	.profile	807 Profile S... 06-01-2022..
Amrutha Dunaboin...	143,828 Microsoft Edg...	.sudo_as_admin...	0 SUDO_A... 18-12-2024..
Amrutha Resume.pdf	146,422 Microsoft Edg...		
ascii.xlsx	9,301 Microsoft Exce...		
Automprphic.docx	12,927 Microsoft Wor...		
Automprphic2.docx	15,999 Microsoft Wor...		
Selected 1 file. Total size: 146,422 bytes			
6 files and 2 directories. Total size: 5,306 bytes			
Server/Local file	Direc...	Remote file	Size Priority Status
Queued files Failed transfers Successful transfers (1)			
Queue: empty			