1/6/2025

PROJECT FILE

TOPIC – Create a user Login System using AWS Cognito and LAMP Stack

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ABSTRACT

This project focuses on the development of a secure and scalable user login system utilizing AWS Cognito integrated with the LAMP (Linux, Apache, MySQL, PHP) stack. User authentication and management are critical components of modern web applications, requiring robust solutions to ensure both security and usability. AWS Cognito is a powerful service that facilitates user sign-up, sign-in, and access control, offering features such as multi-factor authentication (MFA), social identity federation, and token-based authorization. Integrating AWS Cognito with the LAMP stack, a widely used open-source web development framework, enables the creation of a secure and efficient user authentication system.

The project implementation begins with configuring AWS Cognito to manage user pools and identity pools, which handle user data storage and identity federation respectively. It integrates Cognito's authentication APIs with a web application built on the LAMP stack. The backend, powered by PHP, communicates with AWS Cognito to validate user credentials and manage session tokens. MySQL is used to store supplementary user data and application-specific information, while Apache serves as the web server running on a Linux operating system.

Key functionalities include secure user registration, email and password-based login, password recovery, and session management. Security measures such as HTTPS, encryption of sensitive data, and Cognito's built-in capabilities like account lockout on suspicious activity are implemented to ensure robust protection against common vulnerabilities.

This system is designed with scalability in mind, leveraging AWS Cognito's serverless architecture to handle a growing number of users without additional overhead. It demonstrates a cost-effective approach to building secure, reliable, and maintainable user authentication systems suitable for web applications across diverse domains.

By integrating AWS Cognito with the LAMP stack, this project exemplifies a practical solution for modern authentication challenges, combining cloud-based services with traditional web development practices.

OBJECTIVE

The objective of this project was to design and implement a secure, scalable, and user-friendly login system using AWS Cognito and the LAMP (Linux, Apache, MySQL, PHP) stack. The system was developed to enhance authentication, streamline user management, and ensure a robust security framework. Key objectives achieved through this project include:

Integration of AWS Cognito for Authentication and Authorization

AWS Cognito was seamlessly integrated to enable a highly secure user authentication mechanism. This allowed for the management of user pools, multifactor authentication (MFA), and token-based identity verification, ensuring compliance with industry security standards.

Development of a Scalable and Modular Architecture

The project utilized the LAMP stack to build a modular architecture capable of handling dynamic user interactions efficiently. PHP was employed for server-side scripting, Apache for web server functionality, MySQL for robust database management, and Linux for hosting the application. This architecture ensures scalability and flexibility to accommodate future enhancements.

Implementation of Role-Based Access Control (RBAC)

A role-based access control system was implemented to restrict access to specific features based on user roles. This ensures that users interact with the system within their defined privileges, enhancing security and operational efficiency.

Responsive and User-Friendly Interface

The system features a responsive and intuitive interface designed for seamless user registration, login, and profile management. The interface was rigorously tested for cross-browser compatibility and mobile responsiveness to ensure an optimal user experience.

This project demonstrates proficiency in integrating AWS Cognito with the LAMP stack to create a secure, reliable, and scalable user login system. The solution aligns with modern security practices and provides a foundation for further enhancements and integrations.

INTRODUCTION

In the dynamic landscape of modern web applications, user authentication and secure login systems are critical components that ensure data integrity, user privacy, and seamless access control. This project, *Create a User Login System using AWS Cognito and LAMP Stack*, explores an innovative approach to building a robust and scalable authentication framework by leveraging Amazon Web Services (AWS) Cognito alongside the tried-and-tested LAMP stack architecture.

The LAMP stack—comprising Linux, Apache, MySQL, and PHP—has long been a cornerstone of web development due to its simplicity, flexibility, and cost-effectiveness. It provides the backbone for server-side scripting, database management, and web hosting. AWS Cognito complements this stack by offering a scalable and secure authentication service that handles user sign-up, sign-in, and access control. By combining these two technologies, the project delivers a powerful system that prioritizes security, performance, and scalability.

The primary objective of this project is to design and implement a user login system that meets industry standards for authentication while maintaining user-friendly functionality. Key features include multi-factor authentication (MFA), password recovery, and role-based access control (RBAC), ensuring users have a seamless and secure experience. The integration of AWS Cognito introduces advanced features like OAuth 2.0 support, token-based authentication, and social identity federation, enabling the system to cater to a diverse range of applications.

This project will serve as a comprehensive guide to integrating AWS Cognito with the LAMP stack, covering essential aspects such as configuring the AWS

Cognito User Pool, establishing secure connections with the MySQL database, and creating an intuitive front-end interface for user interactions. By leveraging these technologies, the system will achieve enhanced security, scalability, and maintainability, making it suitable for deployment in both small-scale and enterprise-level applications.

The outcome of this project will be a production-ready login system that demonstrates the synergy between AWS cloud services and traditional server-side technologies. It is a testament to the potential of hybrid solutions in addressing modern web development challenges. Through this initiative, developers and organizations can gain insights into building secure, reliable, and scalable authentication systems, paving the way for innovation in user access management.

METHODOLOGIES

The Methodologies, Design Elements, Tools, and Languages Used for making this project are mentioned below:

1. **Agile Development Approach**: Iterative and incremental development for seamless implementation and testing.
2. **User-Centric Design**: Focused on creating an intuitive and secure user experience for login and authentication.
3. **MVC (Model-View-Controller) Architecture**: Ensured clear separation of concerns for efficient development and maintenance.
4. **Security-First Design**: Incorporated industry-standard security practices, including encryption and secure token management.
5. **Cloud-Native Development**: Leveraged AWS services for scalability, reliability, and high availability.

Design Elements

1. **Responsive Web Design**: Ensured seamless functionality across devices and screen sizes.
2. **Intuitive UI/UX**: Designed forms and feedback messages for better usability and user interaction.
3. **Robust Error Handling**: Implemented meaningful error messages and logs for improved troubleshooting.
4. **Secure Authentication Flow**: Employed multi-factor authentication (MFA) and secure session management.
5. **Scalable Architecture**: Designed the system to handle growing user demands efficiently.

Tools and Technologies

1. **Languages**:

- PHP (Backend development)
- HTML, CSS, and JavaScript (Frontend development)
- SQL (Database queries)

2. **Tools**:
   - phpMyAdmin (Database management)
   - Postman (API testing and validation)
3. **Frameworks**:
   - Bootstrap (Frontend design framework)
4. **Version Control**:
   - Git and GitHub (Code versioning and collaboration)

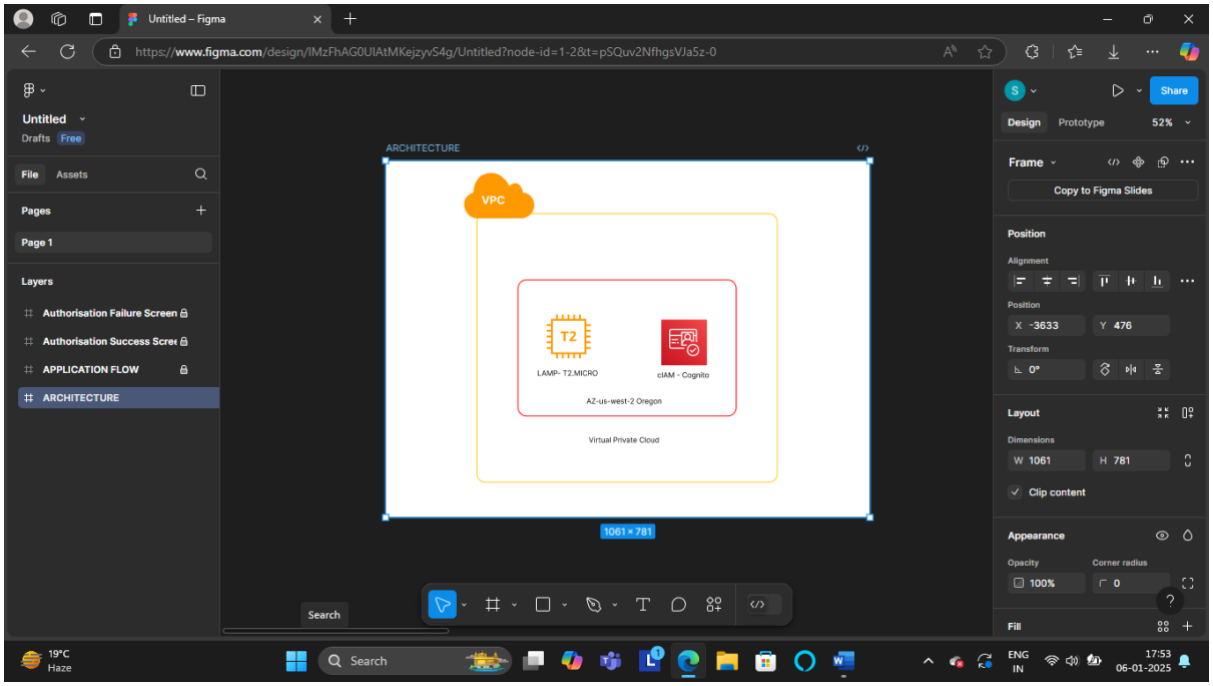
AWS Services

1. **AWS Cognito**: Managed user authentication, authorization, and user pools.
2. **AWS IAM (Identity and Access Management)**: Controlled access to AWS resources securely.
3. **AWS EC2**: Hosted the web application and managed server instances.
4. **AWS RDS (Relational Database Service)**: Hosted and managed the MySQL database.
5. **AWS CloudWatch**: Monitored application logs and performance metrics.

LAMP Stack Components

1. **Linux**: Operating system for hosting the server environment.
2. **Apache**: Web server to handle HTTP requests.
3. **MySQL**: Database for storing user credentials and login data.
4. **PHP**: Backend scripting language for server-side logic.

UNDERSTANDING THE AWS CLOUD ARMATURE



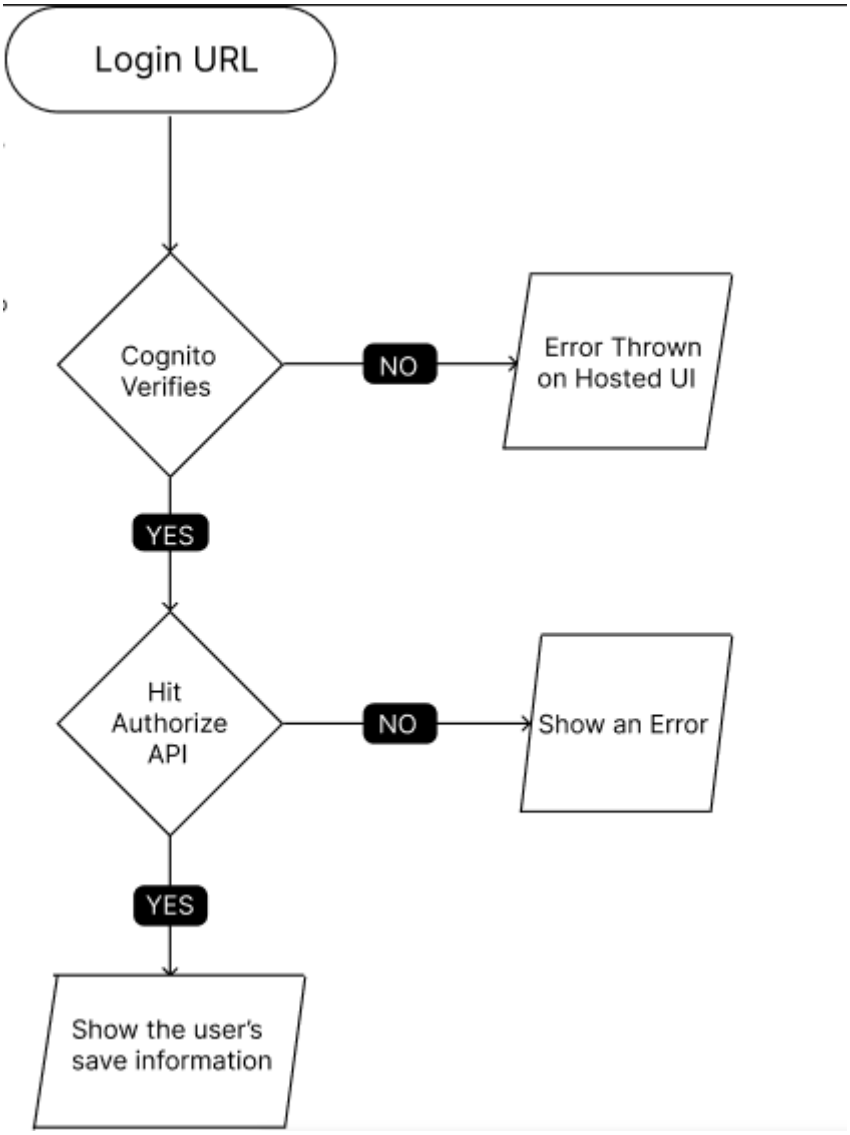
This architecture represents a basic cloud setup for a web application. It allows for a secure environment for the application's server and user management. Users can access the application through the public internet, but their logins and access are controlled by Cognito. The application runs on the LAMP server, which is hosted on an EC2 instance within the VPC.

Components:

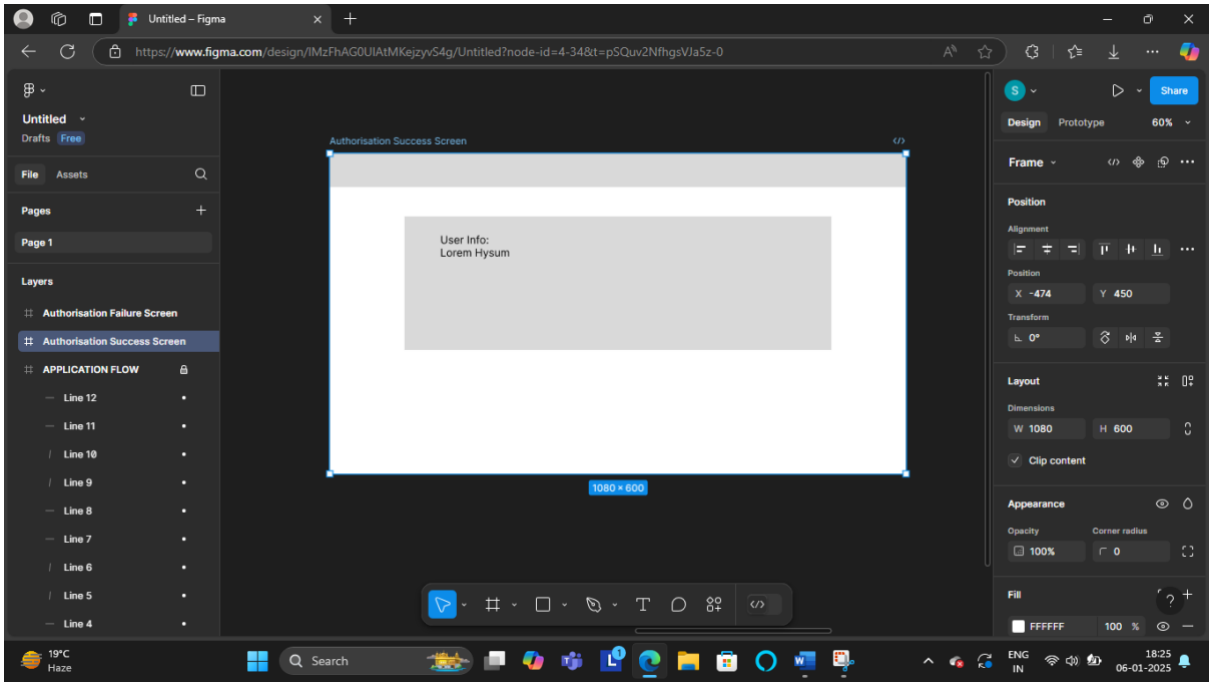
- **VPC (Virtual Private Cloud):** It is a virtual network that is isolated from the public internet. It acts as the foundation for the architecture.

- **T2 (T2 Micro):** An instance of AWS EC2 (Elastic Compute Cloud) in the t2.micro instance type. It is likely used to run a LAMP stack (Linux, Apache, MySQL, PHP), which powers the web application.
- **CIAM (Cognito):** AWS Cognito is used for user authentication and authorization. It provides a user pool that stores user information and manages logins and access to resources.

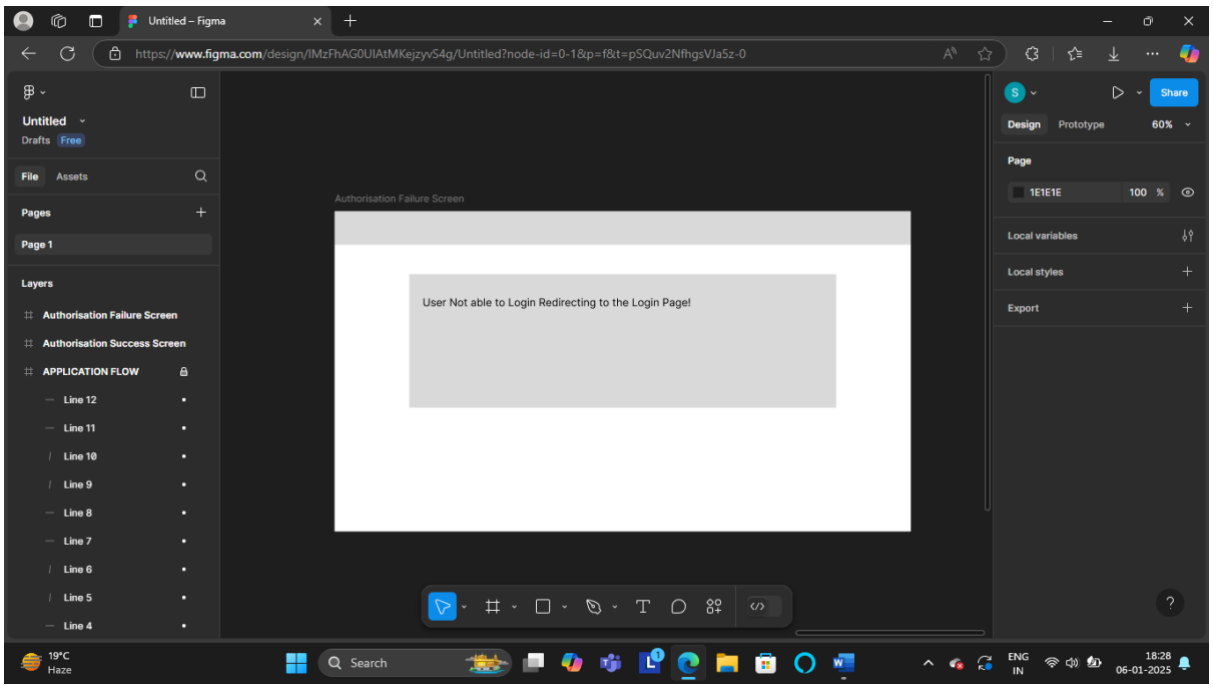
THE APPLICATION FLOW



AUTHORISATION SUCCESS SCREEN



AUTHORISATION FAILURE SCREEN



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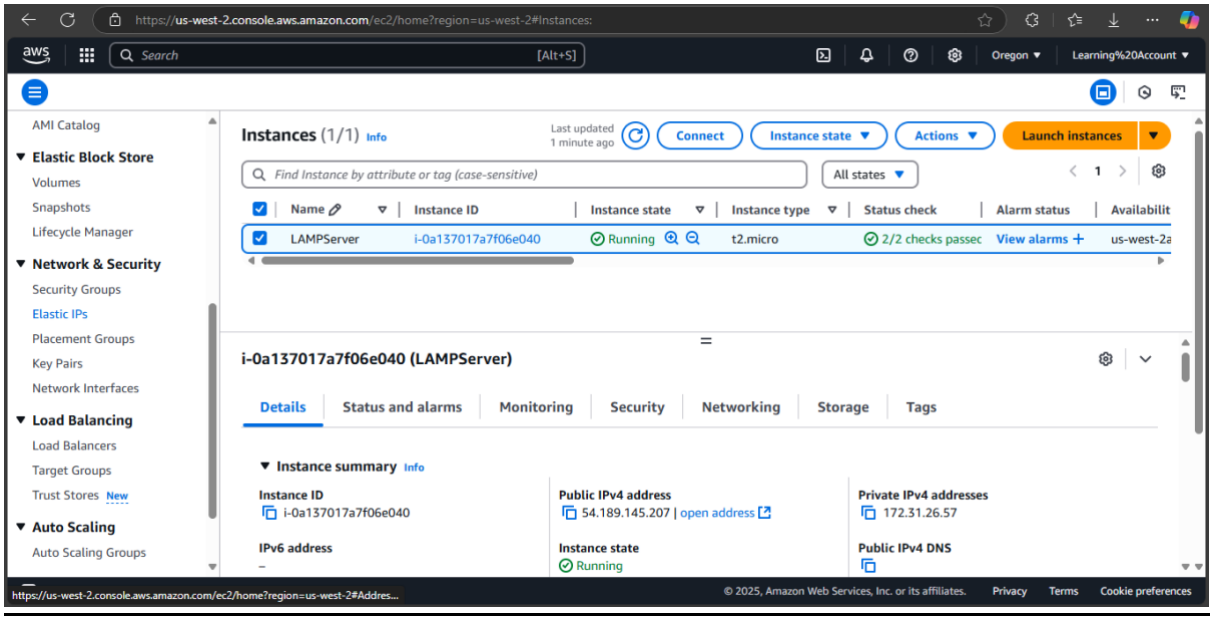
https://us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:
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Network & Security
Security Groups
Elastic IPs
Placement Groups
Key Pairs
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Load Balancing
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Target Groups
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Auto Scaling
Auto Scaling Groups
Instances (1/1) Info
Last updated 1 minute ago
Connect
Instance state
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Instance ID
Instance state
Instance type
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Status and alarms
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Networking
Storage
Tags
Instance summary Info
Instance ID
i-0a137017a7f06e040
Public IPv4 address
54.189.145.207 | open address
Private IPv4 addresses
172.31.26.57
IPv6 address
Instance state
Running
Public IPv4 DNS
https://us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Addres...
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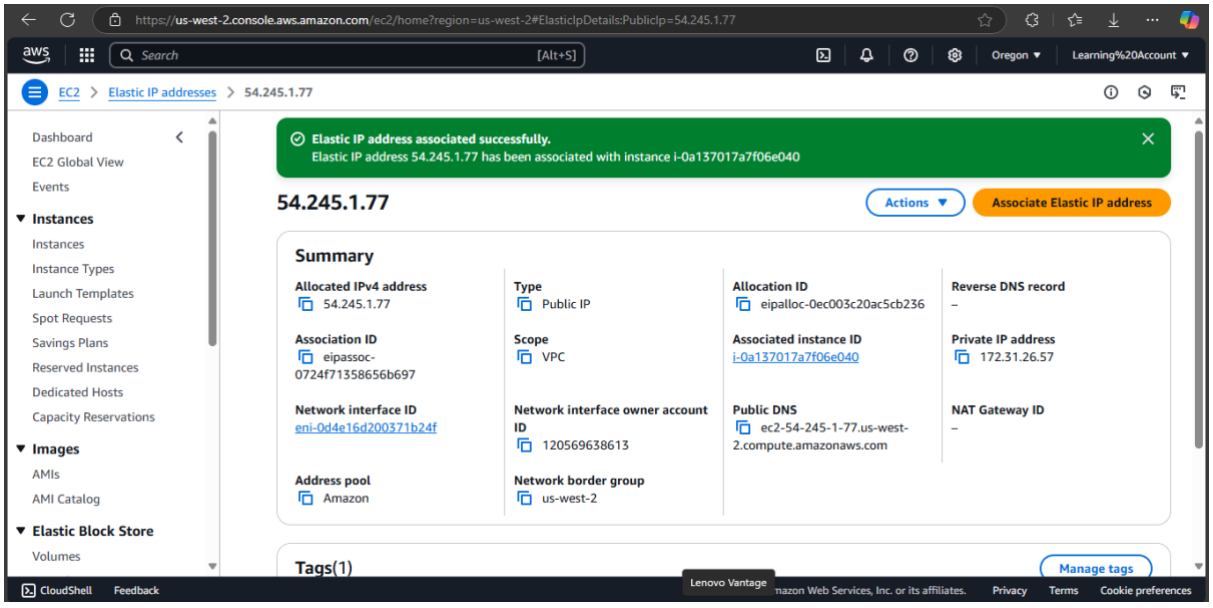
https://us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#ElasticIpDetails:PublicIp=54.245.1.77
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EC2 > Elastic IP addresses > 54.245.1.77
Dashboard
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Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Elastic IP address associated successfully.
Elastic IP address 54.245.1.77 has been associated with instance i-0a137017a7f06e040
54.245.1.77
Actions
Associate Elastic IP address
Summary
Allocated IPv4 address
54.245.1.77
Type
Public IP
Allocation ID
eipalloc-0ec003c20ac5cb236
Reverse DNS record
–
Association ID
eipassoc-0724f71358656b697
Scope
VPC
Associated instance ID
i-0a137017a7f06e040
Private IP address
172.31.26.57
Network interface ID
eni-0d4e16d200371b24f
Network interface owner account ID
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Public DNS
ec2-54-245-1-77.us-west-2.compute.amazonaws.com
NAT Gateway ID
–
Address pool
Amazon
Network border group
us-west-2
Tags(1)
Manage tags
CloudShell
Feedback
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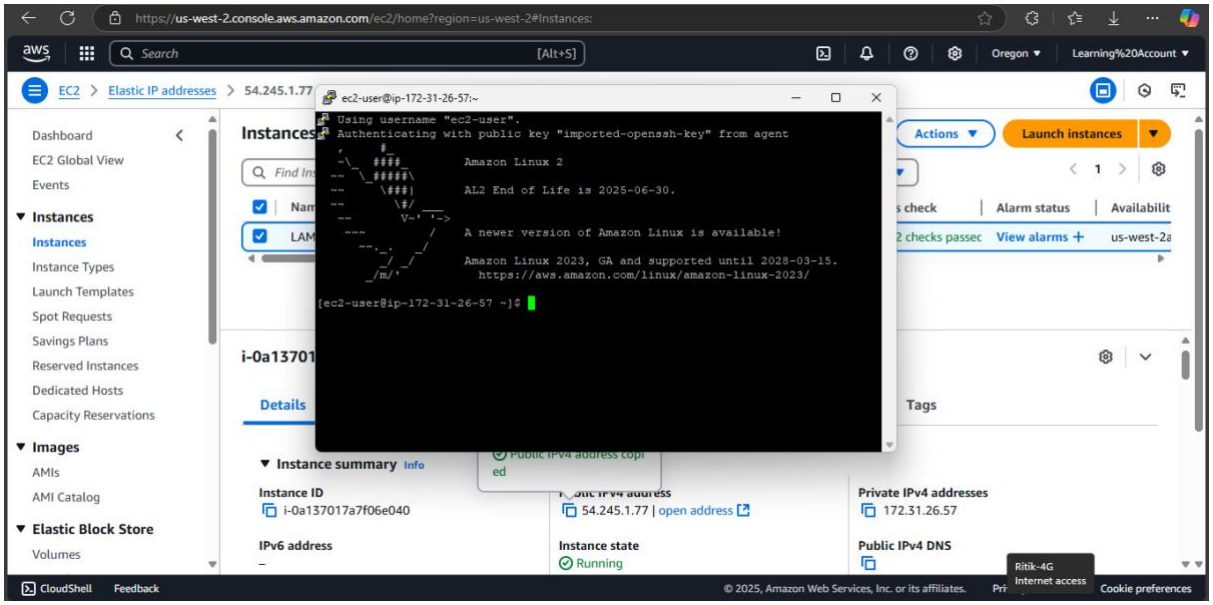
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EC2 > Elastic IP addresses > 54.245.1.77
ec2-user@ip-172-31-26-57:~
Using username "ec2-user".
Authenticating with public key "imported-openssh-key" from agent
Amazon Linux 2
AL2 End of Life is 2025-06-30.
A newer version of Amazon Linux is available!
Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/
[ec2-user@ip-172-31-26-57 ~]$
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Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Actions
Launch instances
Alarm status
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Tags
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54.245.1.77 | open address
Private IPv4 addresses
172.31.26.57
IPv6 address
Instance state
Running
Public IPv4 DNS
Ritik-4G
Internet access
CloudShell
Feedback
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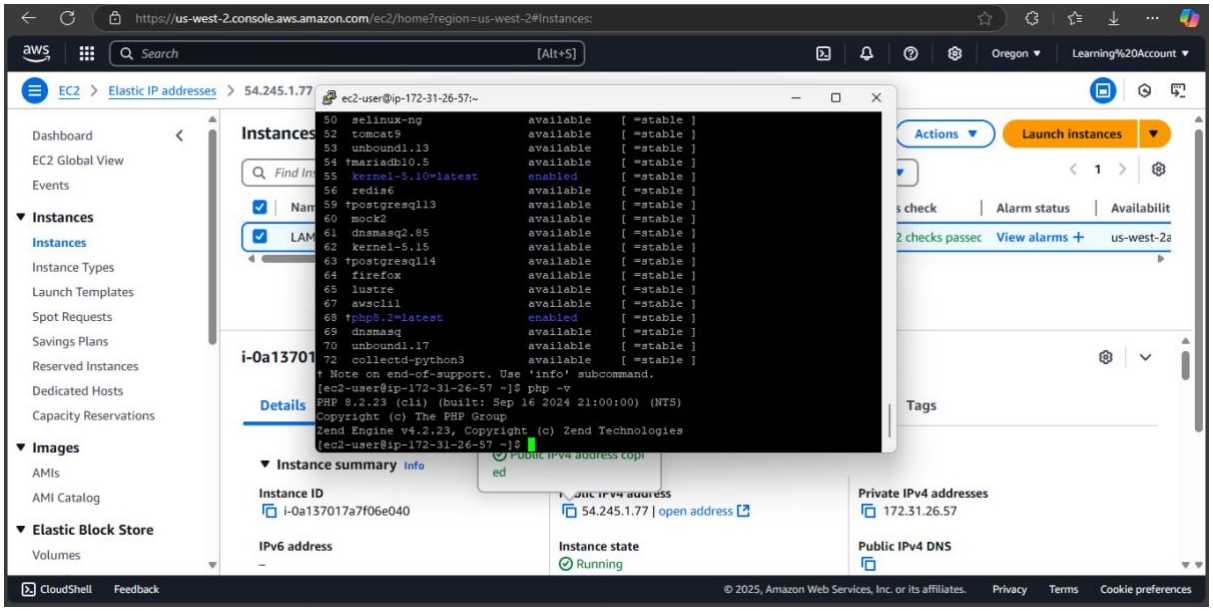
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EC2 > Elastic IP addresses > 54.245.1.77
ec2-user@ip-172-31-26-57:~
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52 tomcat9 available [=stable]
53 unbound1.13 available [=stable]
54 †mariadb10.5 available [=stable]
55 kernel-5.10=latest enabled [=stable]
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62 kernel-5.15 available [=stable]
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64 firefox available [=stable]
65 lustre available [=stable]
67 awscli1 available [=stable]
68 †php8.2=latest enabled [=stable]
69 dnsmasq available [=stable]
70 unbound1.17 available [=stable]
72 collectd-python3 available [=stable]
† Note on end-of-support. Use 'info' subcommand.
[ec2-user@ip-172-31-26-57 ~]$ php -v
PHP 8.2.23 (cli) (built: Sep 16 2024 21:00:00) (NTS)
Copyright (c) The PHP Group
Zend Engine v4.2.23, Copyright (c) Zend Technologies
[ec2-user@ip-172-31-26-57 ~]$
Dashboard
EC2 Global View
Events
Instances
Instance Types
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Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
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Launch instances
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Private IPv4 addresses
172.31.26.57
IPv6 address
Instance state
Running
Public IPv4 DNS
CloudShell
Feedback
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Terms
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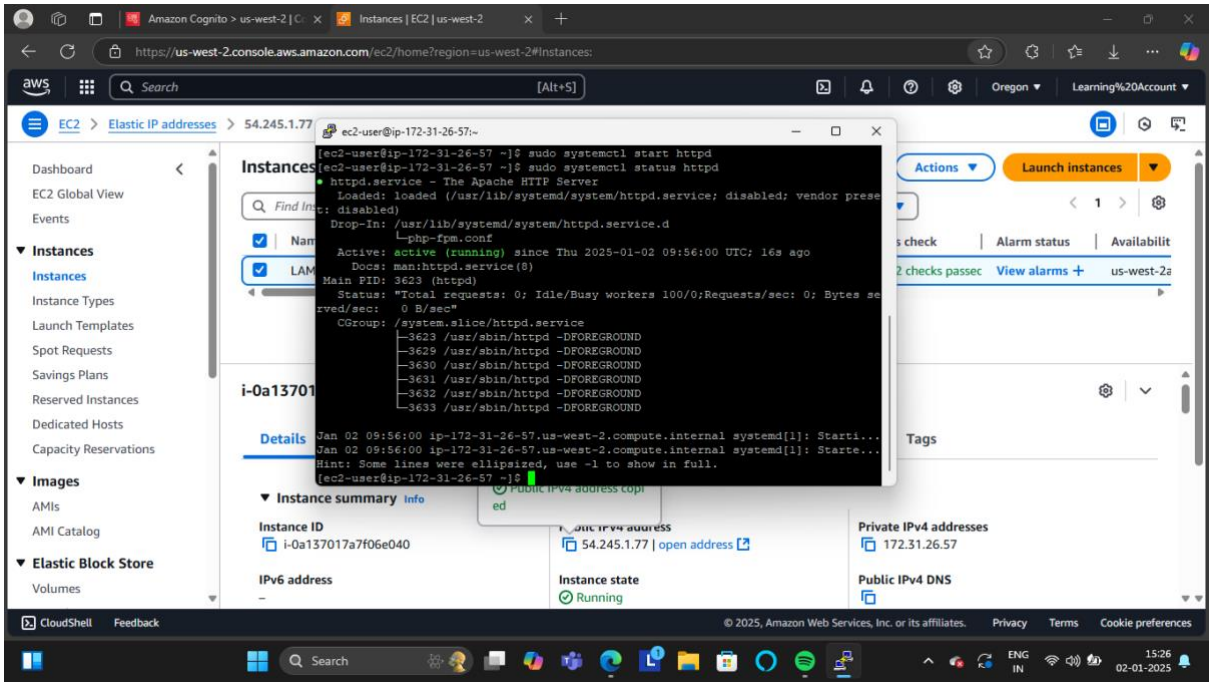
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EC2 > Elastic IP addresses > 54.245.1.77
ec2-user@ip-172-31-26-57:~
[ec2-user@ip-172-31-26-57 ~]$ sudo systemctl start httpd
[ec2-user@ip-172-31-26-57 ~]$ sudo systemctl status httpd
● httpd.service - The Apache HTTP Server
Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor prese
t: disabled)
Drop-In: /usr/lib/systemd/system/httpd.service.d
└─php-fpm.conf
Active: active (running) since Thu 2025-01-02 09:56:00 UTC; 16s ago
Docs: man:httpd.service(8)
Main PID: 3623 (httpd)
Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes se
rved/sec: 0 B/sec"
CGroup: /system.slice/httpd.service
├─3623 /usr/sbin/httpd -DFOREGROUND
├─3629 /usr/sbin/httpd -DFOREGROUND
├─3630 /usr/sbin/httpd -DFOREGROUND
├─3631 /usr/sbin/httpd -DFOREGROUND
├─3632 /usr/sbin/httpd -DFOREGROUND
└─3633 /usr/sbin/httpd -DFOREGROUND
Jan 02 09:56:00 ip-172-31-26-57.us-west-2.compute.internal systemd[1]: Starti...
Jan 02 09:56:00 ip-172-31-26-57.us-west-2.compute.internal systemd[1]: Starte...
Hint: Some lines were ellipsized, use -l to show in full.
[ec2-user@ip-172-31-26-57 ~]$
Dashboard
EC2 Global View
Events
Instances
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Instance Types
Launch Templates
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Private IPv4 addresses
172.31.26.57
IPv6 address
Instance state
Running
Public IPv4 DNS
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
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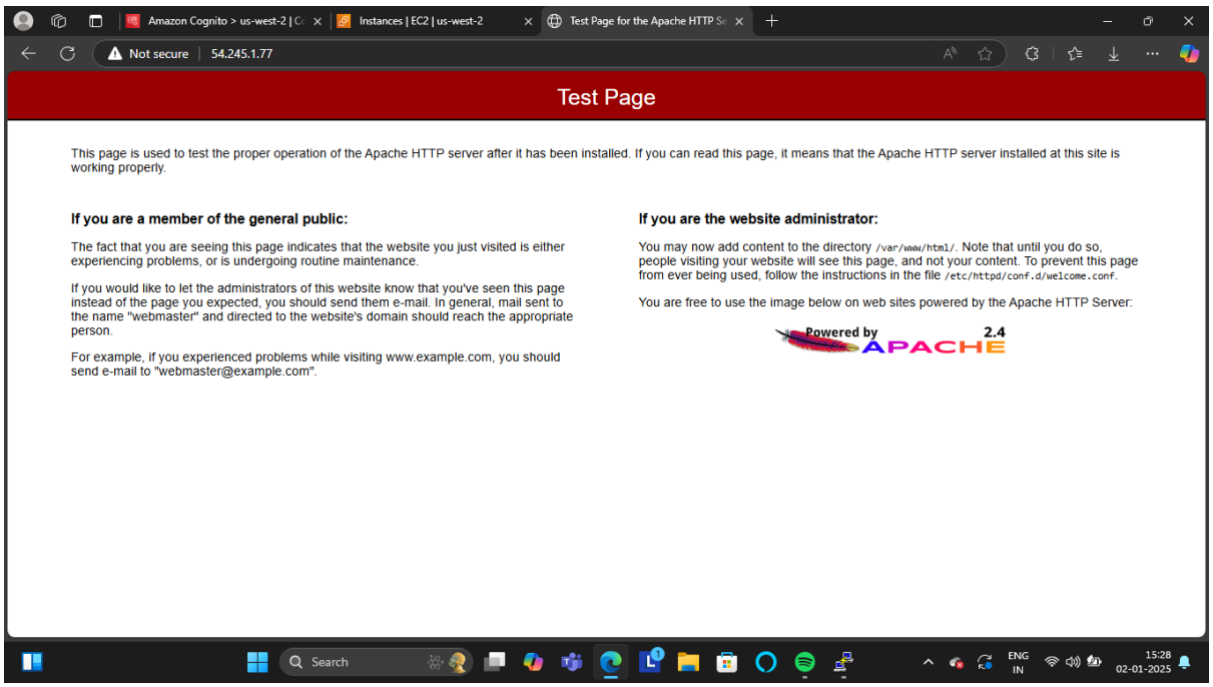
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Test Page for the Apache HTTP Se
Not secure
54.245.1.77
Test Page
This page is used to test the proper operation of the Apache HTTP server after it has been installed. If you can read this page, it means that the Apache HTTP server installed at this site is working properly.
If you are a member of the general public:
The fact that you are seeing this page indicates that the website you just visited is either experiencing problems, or is undergoing routine maintenance.
If you would like to let the administrators of this website know that you've seen this page instead of the page you expected, you should send them e-mail. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.
For example, if you experienced problems while visiting www.example.com, you should send e-mail to "webmaster@example.com".
If you are the website administrator:
You may now add content to the directory /var/www/html/. Note that until you do so, people visiting your website will see this page, and not your content. To prevent this page from ever being used, follow the instructions in the file /etc/httpd/conf.d/welcome.conf.
You are free to use the image below on web sites powered by the Apache HTTP Server:
Powered by
2.4
APACHE
Search
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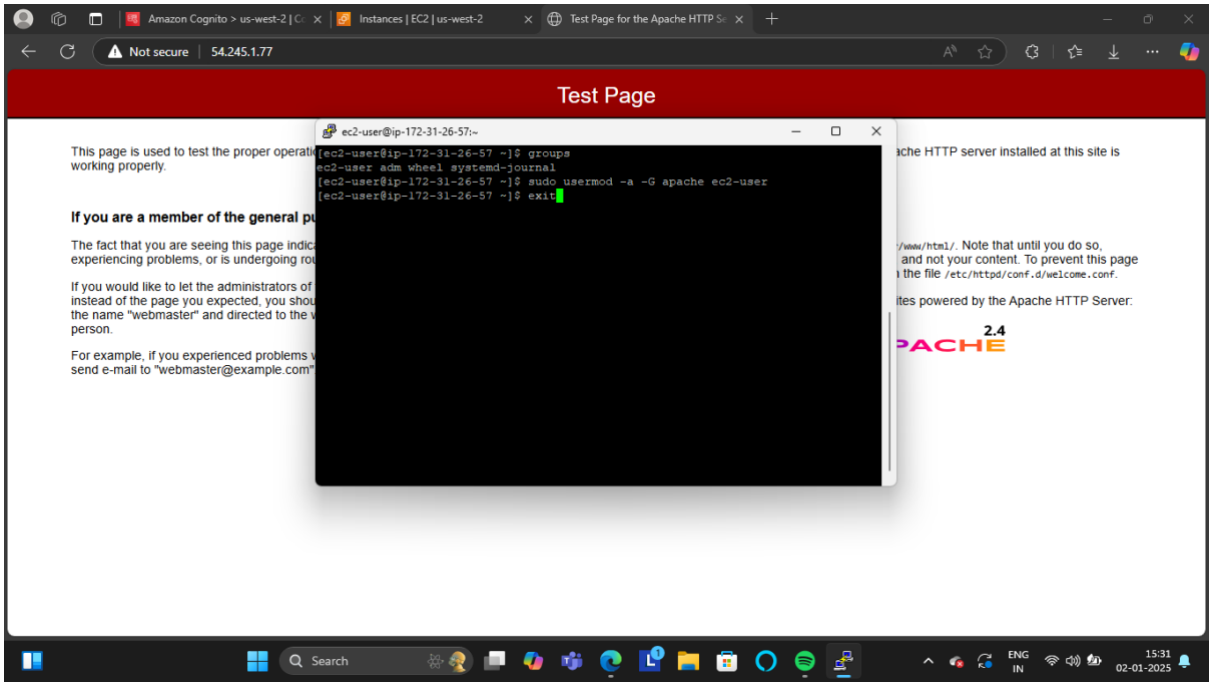
15:28
02-01-2025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Instances | EC2 | us-west-2
Test Page for the Apache HTTP Se
Not secure
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Test Page
ec2-user@ip-172-31-26-57:~
[ec2-user@ip-172-31-26-57 ~]$ groups
ec2-user adm wheel systemd-journal
[ec2-user@ip-172-31-26-57 ~]$ sudo usermod -a -G apache ec2-user
[ec2-user@ip-172-31-26-57 ~]$ exit
This page is used to test the proper operati
working properly.
If you are a member of the general pu
The fact that you are seeing this page indic
experiencing problems, or is undergoing ro
If you would like to let the administrators of
instead of the page you expected, you shou
the name "webmaster" and directed to the
person.
For example, if you experienced problems
send e-mail to "webmaster@example.com"
ache HTTP server installed at this site is
/www/html/. Note that until you do so,
and not your content. To prevent this page
the file /etc/httpd/conf.d/welcome.conf.
tes powered by the Apache HTTP Server:
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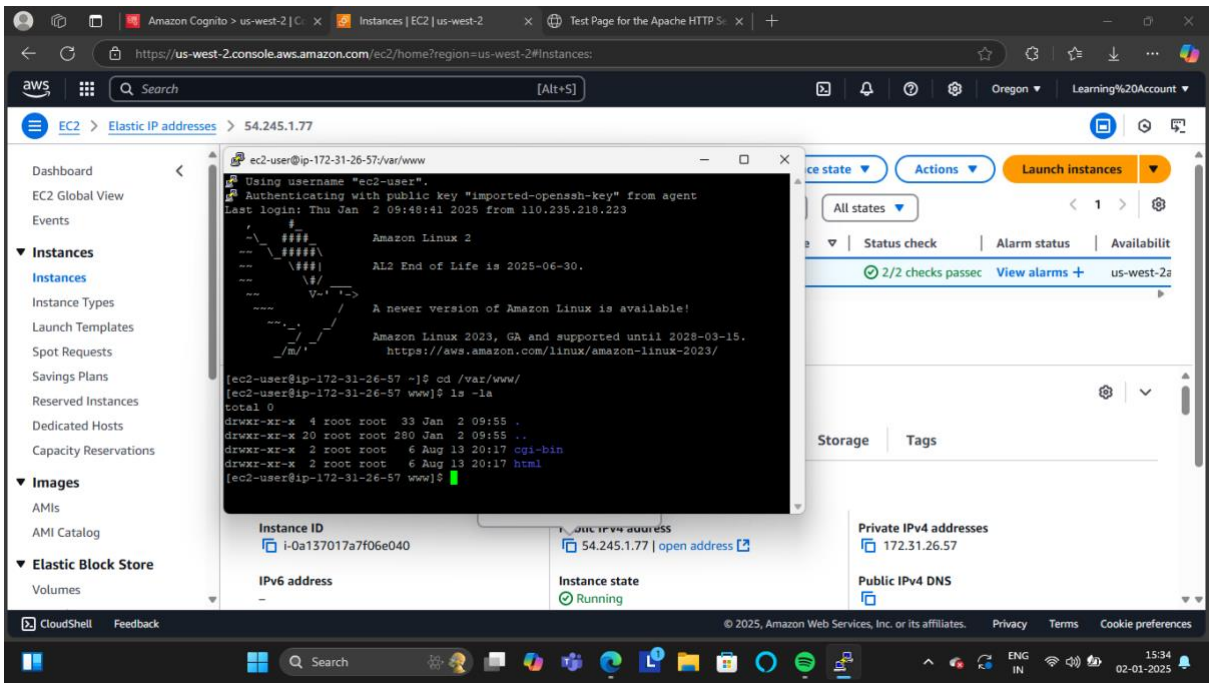
02-01-2025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EC2 > Elastic IP addresses > 54.245.1.77
ec2-user@ip-172-31-26-57:/var/www
Using username "ec2-user".
Authenticating with public key "imported-openssh-key" from agent
Last login: Thu Jan 2 09:48:41 2025 from 110.235.218.223
Amazon Linux 2
AL2 End of Life is 2025-06-30.
A newer version of Amazon Linux is available!
Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/
[ec2-user@ip-172-31-26-57 ~]$ cd /var/www/
[ec2-user@ip-172-31-26-57 www]$ ls -la
total 0
drwxr-xr-x 4 root root 33 Jan 2 09:55 .
drwxr-xr-x 20 root root 280 Jan 2 09:55 ..
drwxr-xr-x 2 root root 6 Aug 13 20:17 cgi-bin
drwxr-xr-x 2 root root 6 Aug 13 20:17 html
[ec2-user@ip-172-31-26-57 www]$
Dashboard
EC2 Global View
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Launch Templates
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Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Actions
Launch instances
All states
Status check
Alarm status
2/2 checks passec
View alarms +
us-west-2a
Storage
Tags
Instance ID
i-0a137017a7f06e040
54.245.1.77 | open address
Private IPv4 addresses
172.31.26.57
IPv6 address
Instance state
Running
Public IPv4 DNS
CloudShell
Feedback
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Terms
Cookie preferences
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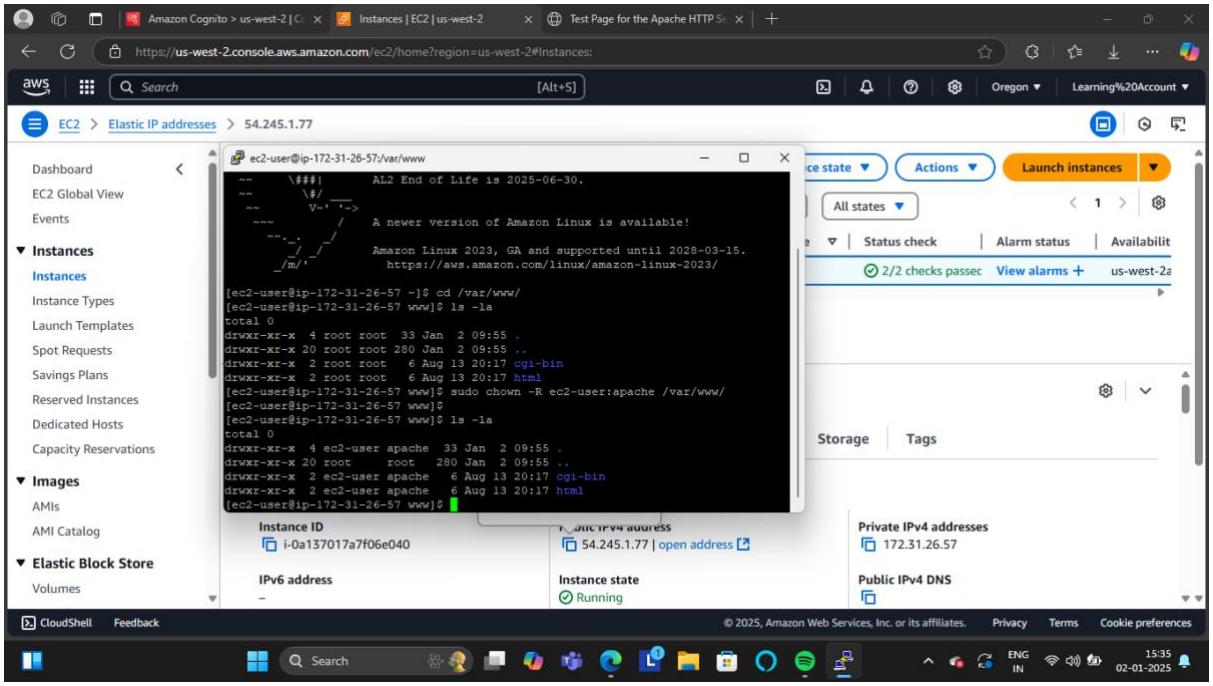
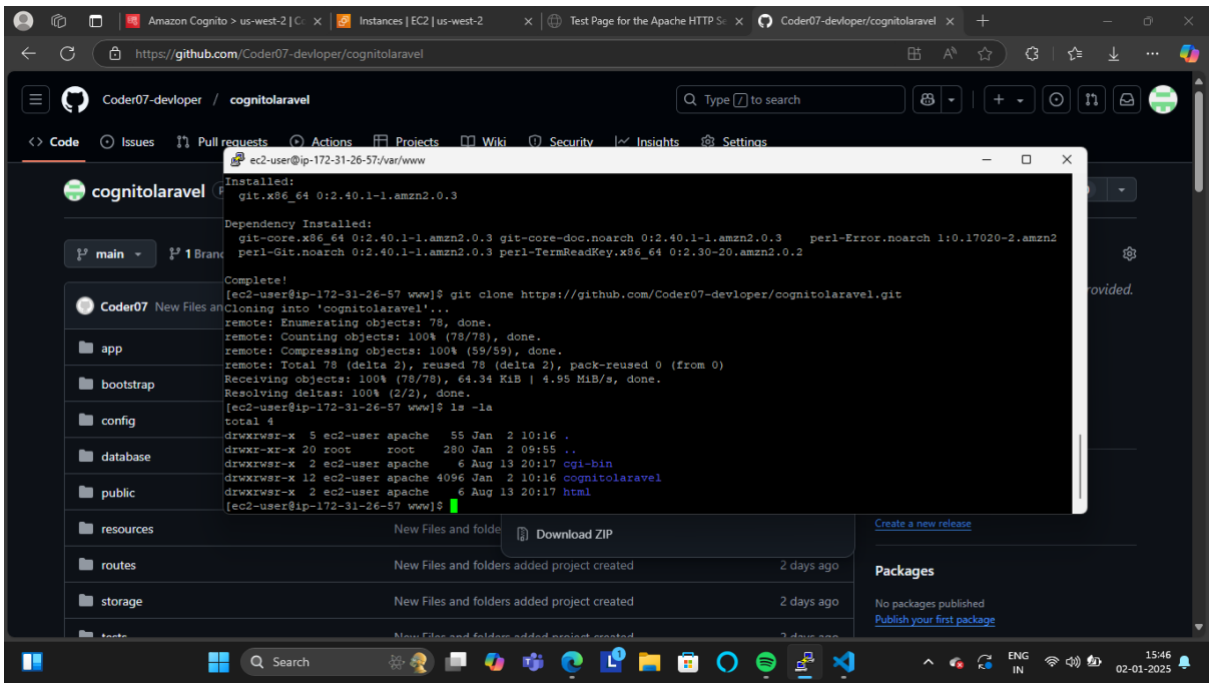
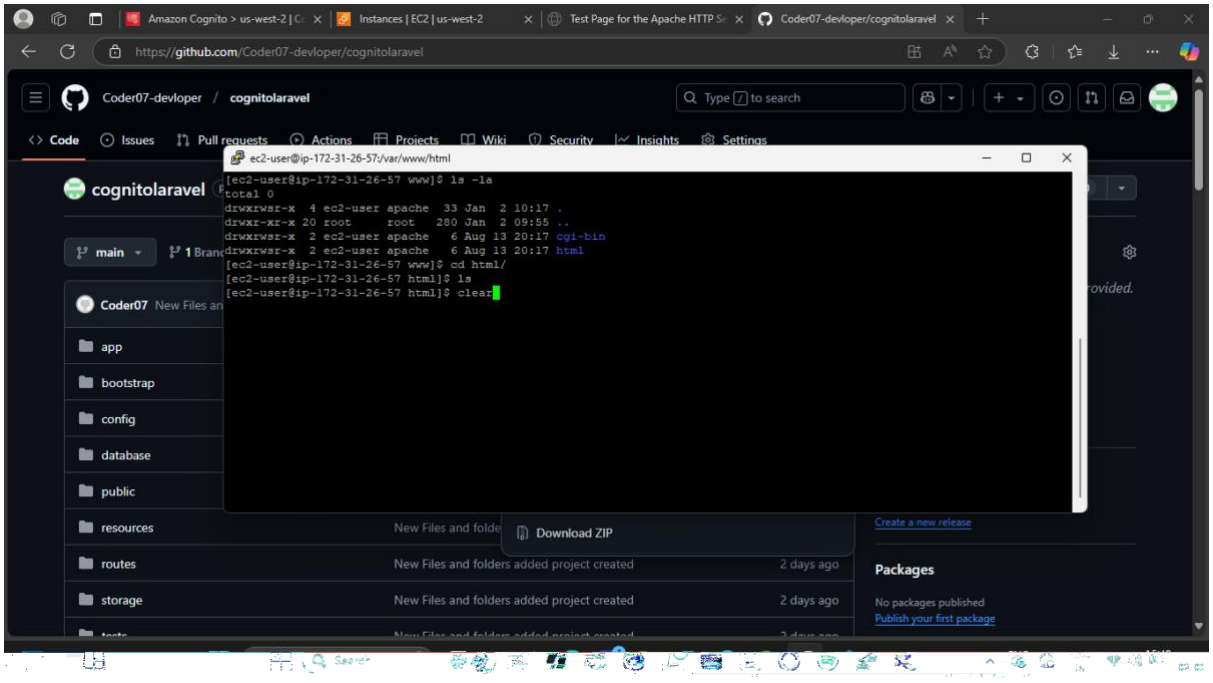
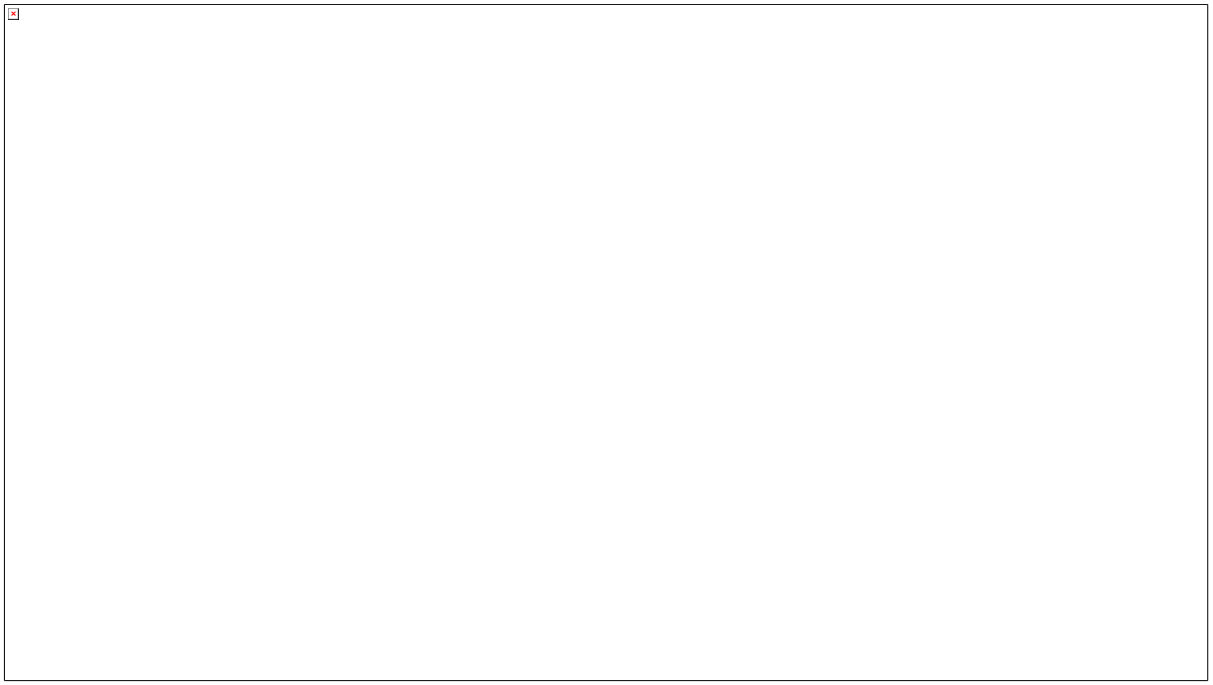
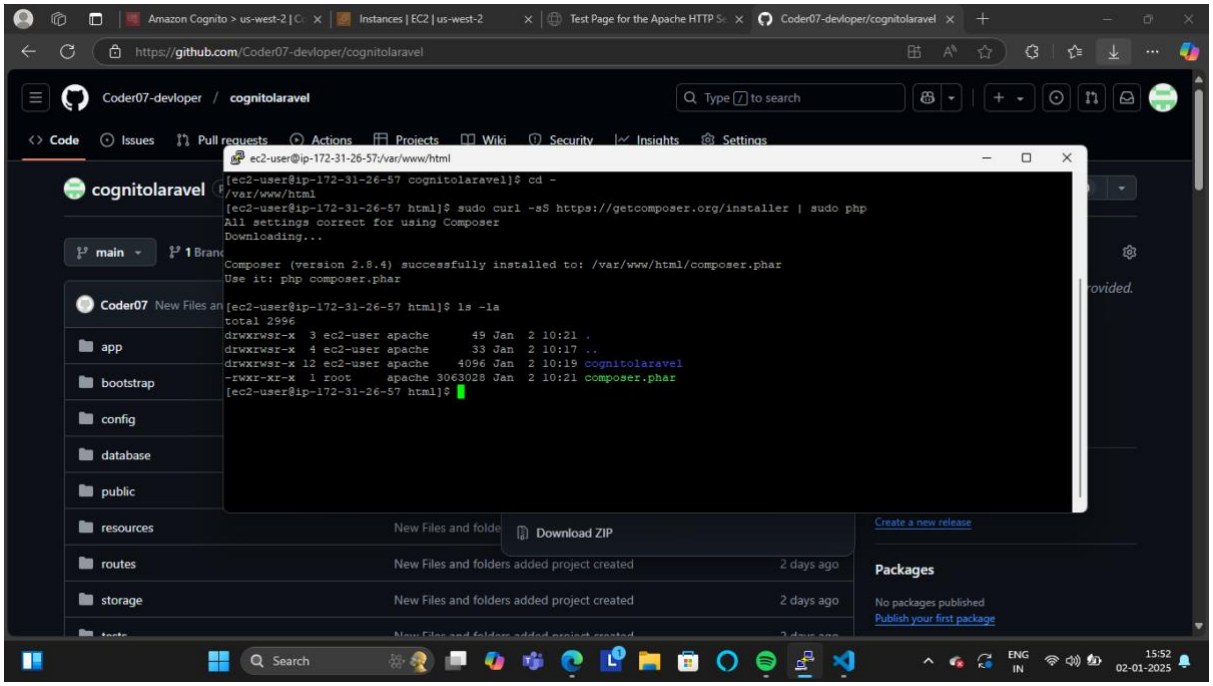
15:34
02-01-2025


Amazon Cognito > us-west-2 | C
Instances | EC2 | us-west-2
Test Page for the Apache HTTP Se
https://us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:
aws
Search
[Alt+S]
Oregon
Learning%20Account
EC2 > Elastic IP addresses > 54.245.1.77
Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
ec2-user@ip-172-31-26-57:/var/www
AL2 End of Life is 2025-06-30.
A newer version of Amazon Linux is available!
Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/
[ec2-user@ip-172-31-26-57 ~]$ cd /var/www/
[ec2-user@ip-172-31-26-57 www]$ ls -la
total 0
drwxr-xr-x 4 root root 33 Jan 2 09:55 .
drwxr-xr-x 20 root root 280 Jan 2 09:55 ..
drwxr-xr-x 2 root root 6 Aug 13 20:17 cgi-bin
drwxr-xr-x 2 root root 6 Aug 13 20:17 html
[ec2-user@ip-172-31-26-57 www]$ sudo chown -R ec2-user:apache /var/www/
[ec2-user@ip-172-31-26-57 www]$
[ec2-user@ip-172-31-26-57 www]$ ls -la
total 0
drwxr-xr-x 4 ec2-user apache 33 Jan 2 09:55 .
drwxr-xr-x 20 root root 280 Jan 2 09:55 ..
drwxr-xr-x 2 ec2-user apache 6 Aug 13 20:17 cgi-bin
drwxr-xr-x 2 ec2-user apache 6 Aug 13 20:17 html
[ec2-user@ip-172-31-26-57 www]$
Actions
Launch instances
All states
Status check
Alarm status
2/2 checks passec
View alarms +
Storage
Tags
Instance ID
i-0a137017a7f06e040
54.245.1.77 | open address
Private IPv4 addresses
172.31.26.57
IPv6 address
Instance state
Running
Public IPv4 DNS
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Search
ENG
IN
15:35
02-01-2025


Amazon Cognito > us-west-2 | C
Instances | EC2 | us-west-2
Test Page for the Apache HTTP Se
Coder07-devloper/cognitolaravel
https://github.com/Coder07-devloper/cognitolaravel
Coder07-devloper / cognitolaravel
Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
cognitolaravel
main
Coder07 New Files an
app
bootstrap
config
database
public
resources
routes
storage
ec2-user@ip-172-31-26-57:/var/www
Installed:
git.x86_64 0:2.40.1-1.amzn2.0.3
Dependency Installed:
git-core.x86_64 0:2.40.1-1.amzn2.0.3 git-core-doc.noarch 0:2.40.1-1.amzn2.0.3 perl-Error.noarch 1:0.17020-2.amzn2
perl-Git.noarch 0:2.40.1-1.amzn2.0.3 perl-TermReadKey.x86_64 0:2.30-20.amzn2.0.2
Complete!
[ec2-user@ip-172-31-26-57 www]$ git clone https://github.com/Coder07-devloper/cognitolaravel.git
Cloning into 'cognitolaravel'...
remote: Enumerating objects: 78, done.
remote: Counting objects: 100% (78/78), done.
remote: Compressing objects: 100% (59/59), done.
remote: Total 78 (delta 2), reused 78 (delta 2), pack-reused 0 (from 0)
Receiving objects: 100% (78/78), 64.34 KiB | 4.95 MiB/s, done.
Resolving deltas: 100% (2/2), done.
[ec2-user@ip-172-31-26-57 www]$ ls -la
total 4
drwxrwsr-x 5 ec2-user apache 55 Jan 2 10:16 .
drwxr-xr-x 20 root root 280 Jan 2 09:55 ..
drwxrwsr-x 2 ec2-user apache 6 Aug 13 20:17 cgi-bin
drwxrwsr-x 12 ec2-user apache 4096 Jan 2 10:16 cognitolaravel
drwxrwsr-x 2 ec2-user apache 6 Aug 13 20:17 html
[ec2-user@ip-172-31-26-57 www]$
Download ZIP
New Files and folders added project created
2 days ago
Create a new release
Packages
No packages published
Publish your first package
Search
ENG
IN
15:46
02-01-2025


Amazon Cognito > us-west-2 | C
Instances | EC2 | us-west-2
Test Page for the Apache HTTP Se
Coder07-devloper/cognitolaravel
https://github.com/Coder07-devloper/cognitolaravel
Coder07-devloper / cognitolaravel
Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
ec2-user@ip-172-31-26-57:/var/www/html
[ec2-user@ip-172-31-26-57 www]$ ls -la
total 0
drwxrwsr-x 4 ec2-user apache 33 Jan 2 10:17 .
drwxr-xr-x 20 root root 280 Jan 2 09:55 ..
drwxrwsr-x 2 ec2-user apache 6 Aug 13 20:17 cgi-bin
drwxrwsr-x 2 ec2-user apache 6 Aug 13 20:17 html
[ec2-user@ip-172-31-26-57 www]$ cd html/
[ec2-user@ip-172-31-26-57 html]$ ls
[ec2-user@ip-172-31-26-57 html]$ clear
cognitolaravel
main
Coder07 New Files
app
bootstrap
config
database
public
resources
routes
storage
Download ZIP
New Files and folders added project created
2 days ago
Create a new release
Packages
No packages published
Publish your first package




Amazon Cognito > us-west-2 | C
Instances | EC2 | us-west-2
Test Page for the Apache HTTP Se
Coder07-devloper/cognitolaravel
https://github.com/Coder07-devloper/cognitolaravel
Coder07-devloper / cognitolaravel
Type / to search
Code
Issues
Pull requests
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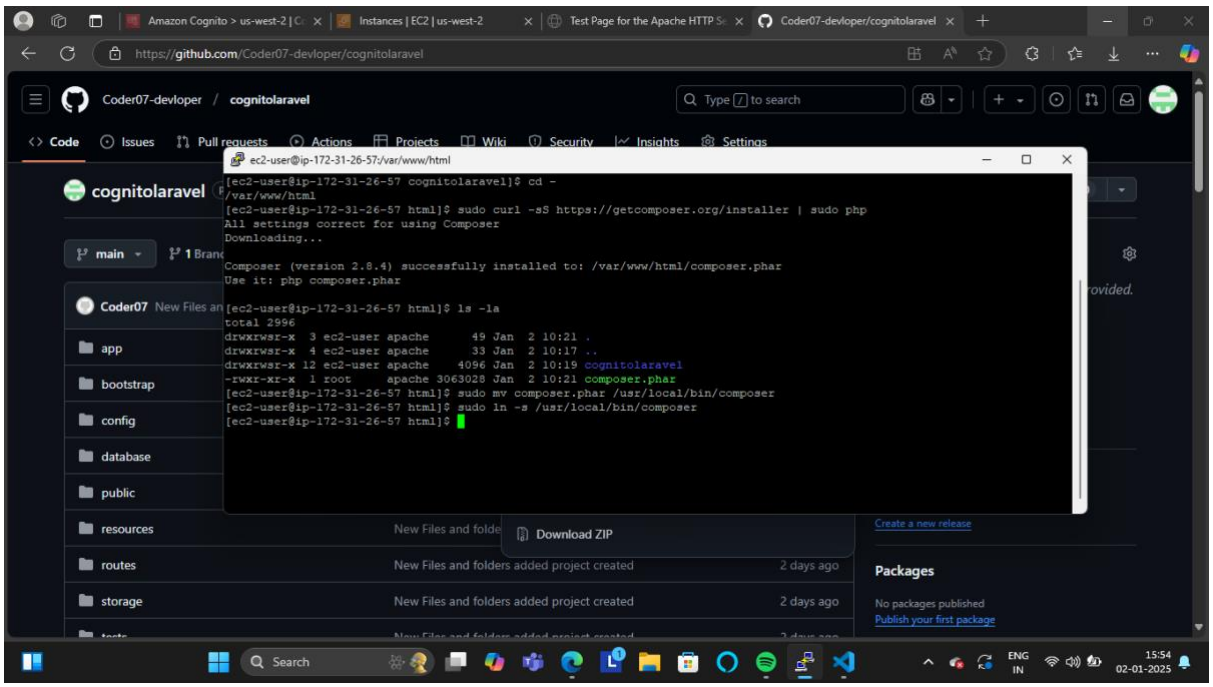
Projects
Wiki
Security
Insights
Settings
cognitolaravel
main
Coder07 New Files an
app
bootstrap
config
database
public
resources
routes
storage
ec2-user@ip-172-31-26-57:/var/www/html
[ec2-user@ip-172-31-26-57 cognitolaravel]$ cd -
/var/www/html
[ec2-user@ip-172-31-26-57 html]$ sudo curl -sS https://getcomposer.org/installer | sudo php
All settings correct for using Composer
Downloading...
Composer (version 2.8.4) successfully installed to: /var/www/html/composer.phar
Use it: php composer.phar
[ec2-user@ip-172-31-26-57 html]$ ls -la
total 2996
drwxrwsr-x 3 ec2-user apache 49 Jan 2 10:21 .
drwxrwsr-x 4 ec2-user apache 33 Jan 2 10:17 ..
drwxrwsr-x 12 ec2-user apache 4096 Jan 2 10:19 cognitolaravel
-rwxr-xr-x 1 root apache 3063028 Jan 2 10:21 composer.phar
[ec2-user@ip-172-31-26-57 html]$
Download ZIP
New Files and folders added project created
2 days ago
Create a new release
Packages
No packages published
Publish your first package
Search
ENG
IN
15:52
02-01-2025


Amazon Cognito > us-west-2 | C
Instances | EC2 | us-west-2
Test Page for the Apache HTTP Se
Coder07-devloper/cognitolaravel
https://github.com/Coder07-devloper/cognitolaravel
Coder07-devloper / cognitolaravel
Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
cognitolaravel
main
Coder07 New Files an
app
bootstrap
config
database
public
resources
routes
storage
ec2-user@ip-172-31-26-57:/var/www/html
[ec2-user@ip-172-31-26-57 cognitolaravel]$ cd -
/var/www/html
[ec2-user@ip-172-31-26-57 html]$ sudo curl -sS https://getcomposer.org/installer | sudo php
All settings correct for using Composer
Downloading...
Composer (version 2.8.4) successfully installed to: /var/www/html/composer.phar
Use it: php composer.phar
[ec2-user@ip-172-31-26-57 html]$ ls -la
total 2996
drwxrwsr-x 3 ec2-user apache 49 Jan 2 10:21 .
drwxrwsr-x 4 ec2-user apache 33 Jan 2 10:17 ..
drwxrwsr-x 12 ec2-user apache 4096 Jan 2 10:19 cognitolaravel
-rwxr-xr-x 1 root apache 3063028 Jan 2 10:21 composer.phar
[ec2-user@ip-172-31-26-57 html]$ sudo mv composer.phar /usr/local/bin/composer
[ec2-user@ip-172-31-26-57 html]$ sudo ln -s /usr/local/bin/composer
[ec2-user@ip-172-31-26-57 html]$
Download ZIP
New Files and folders added project created
2 days ago
Create a new release
Packages
No packages published
Publish your first package
Search
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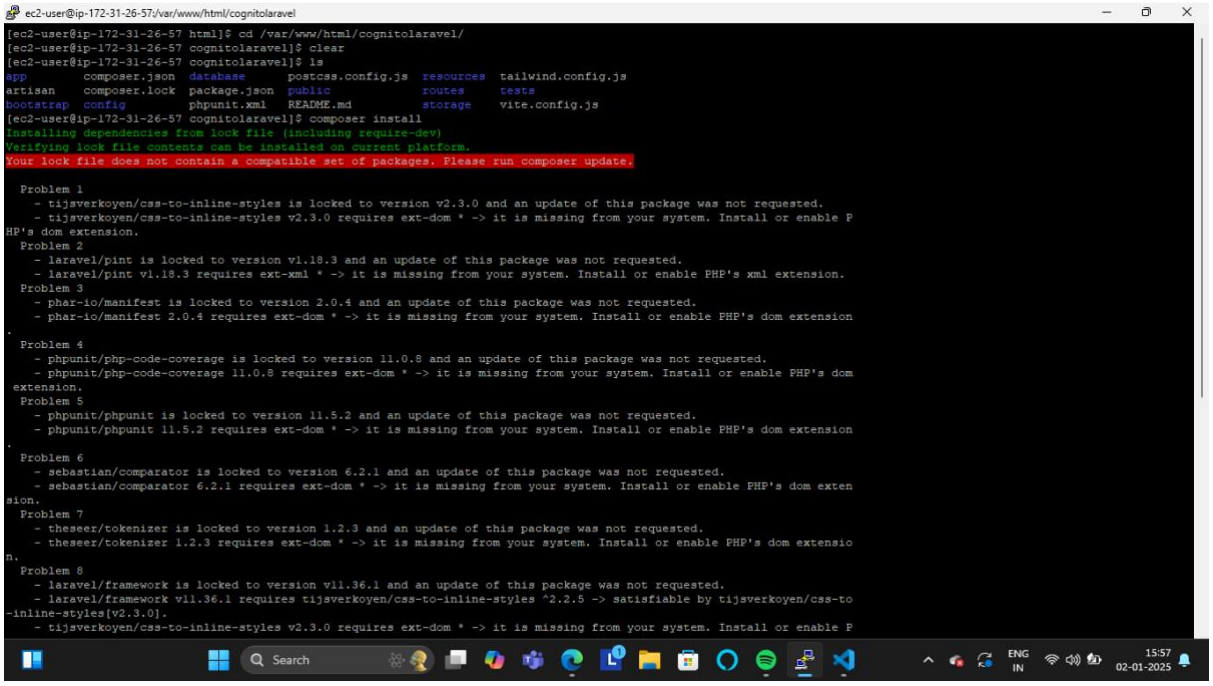
15:54
02-01-2025


ec2-user@ip-172-31-26-57:/var/www/html/cognitolaravel
[ec2-user@ip-172-31-26-57 html]$ cd /var/www/html/cognitolaravel/
[ec2-user@ip-172-31-26-57 cognitolaravel]$ clear
[ec2-user@ip-172-31-26-57 cognitolaravel]$ ls
app composer.json database postcss.config.js resources tailwind.config.js
artisan composer.lock package.json public routes tests
bootstrap config phpunit.xml README.md storage vite.config.js
[ec2-user@ip-172-31-26-57 cognitolaravel]$ composer install
Installing dependencies from lock file (including require-dev)
Verifying lock file contents can be installed on current platform.
Your lock file does not contain a compatible set of packages. Please run composer update.
Problem 1
- tijsverkoyen/css-to-inline-styles is locked to version v2.3.0 and an update of this package was not requested.
- tijsverkoyen/css-to-inline-styles v2.3.0 requires ext-dom * -> it is missing from your system. Install or enable PHP's dom extension.
Problem 2
- laravel/pint is locked to version v1.18.3 and an update of this package was not requested.
- laravel/pint v1.18.3 requires ext-xml * -> it is missing from your system. Install or enable PHP's xml extension.
Problem 3
- phar-io/manifest is locked to version 2.0.4 and an update of this package was not requested.
- phar-io/manifest 2.0.4 requires ext-dom * -> it is missing from your system. Install or enable PHP's dom extension.
Problem 4
- phpunit/php-code-coverage is locked to version 11.0.8 and an update of this package was not requested.
- phpunit/php-code-coverage 11.0.8 requires ext-dom * -> it is missing from your system. Install or enable PHP's dom extension.
Problem 5
- phpunit/phpunit is locked to version 11.5.2 and an update of this package was not requested.
- phpunit/phpunit 11.5.2 requires ext-dom * -> it is missing from your system. Install or enable PHP's dom extension.
Problem 6
- sebastian/comparator is locked to version 6.2.1 and an update of this package was not requested.
- sebastian/comparator 6.2.1 requires ext-dom * -> it is missing from your system. Install or enable PHP's dom extension.
Problem 7
- theseer/tokenizer is locked to version 1.2.3 and an update of this package was not requested.
- theseer/tokenizer 1.2.3 requires ext-dom * -> it is missing from your system. Install or enable PHP's dom extension.
Problem 8
- laravel/framework is locked to version v11.36.1 and an update of this package was not requested.
- laravel/framework v11.36.1 requires tijsverkoyen/css-to-inline-styles ^2.2.5 -> satisfiable by tijsverkoyen/css-to-inline-styles[v2.3.0].
- tijsverkoyen/css-to-inline-styles v2.3.0 requires ext-dom * -> it is missing from your system. Install or enable P
Search
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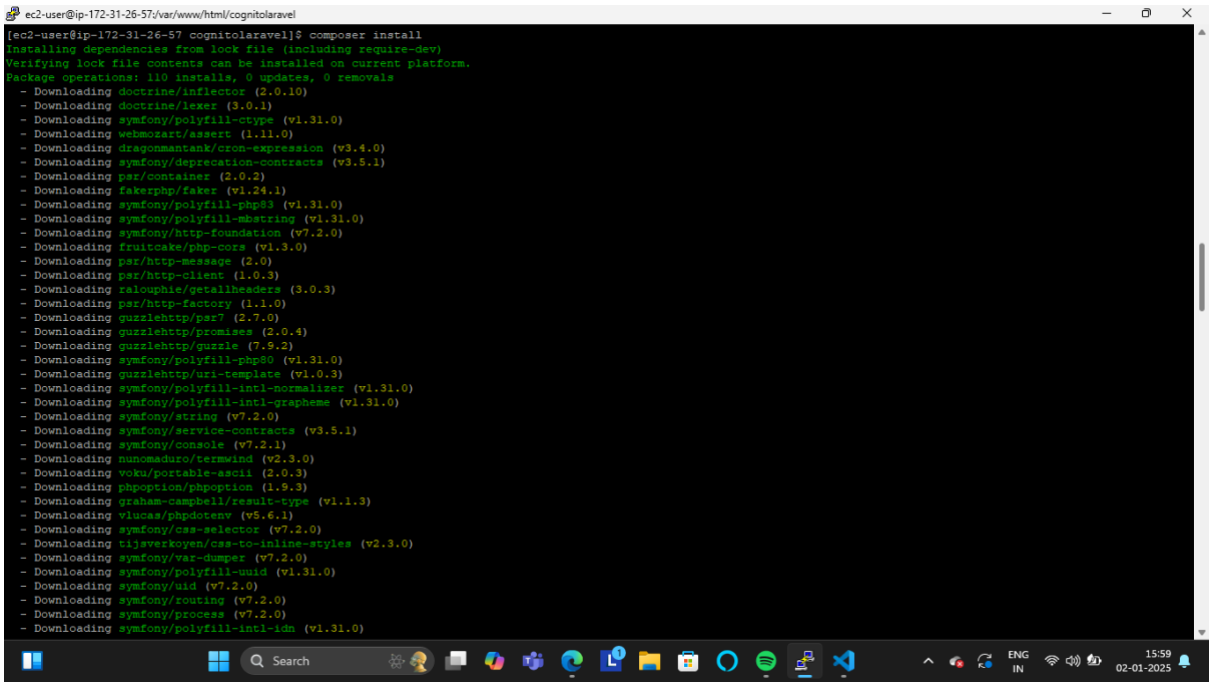
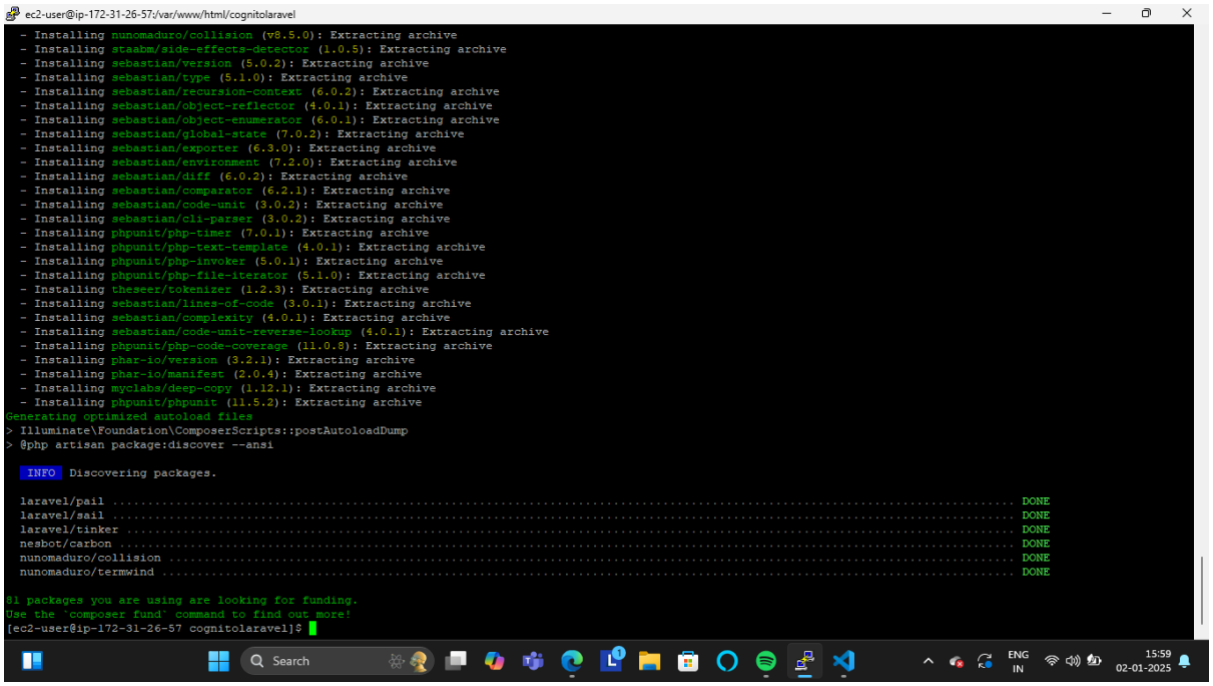
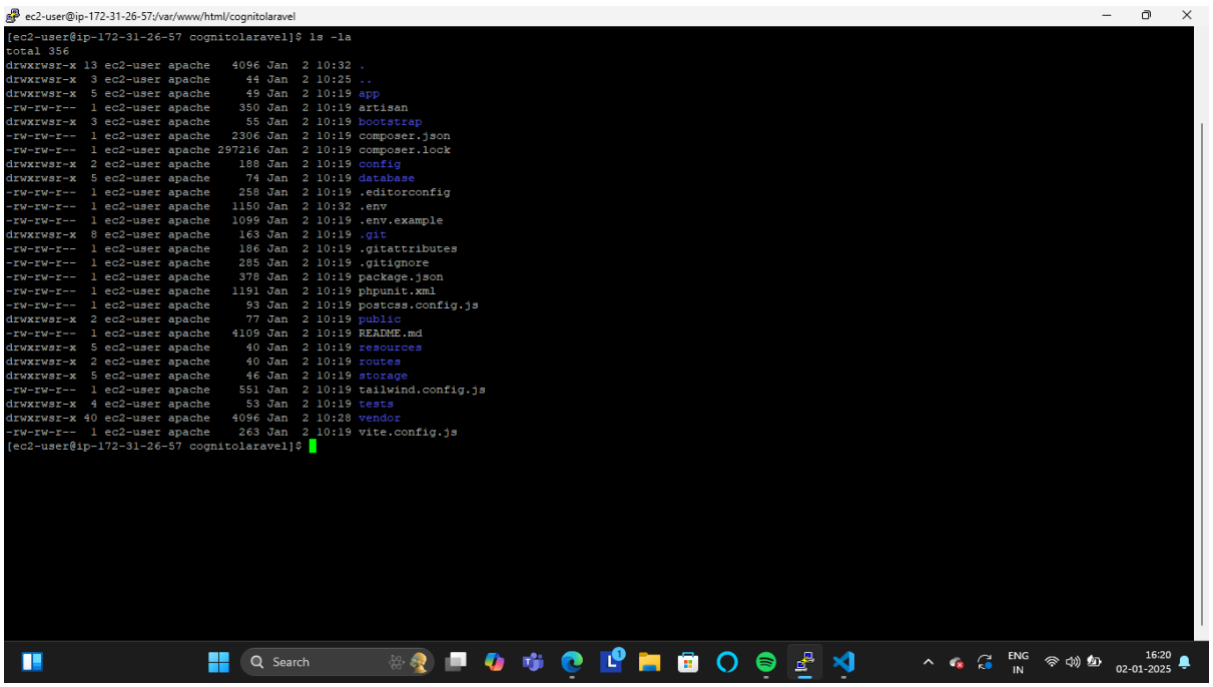
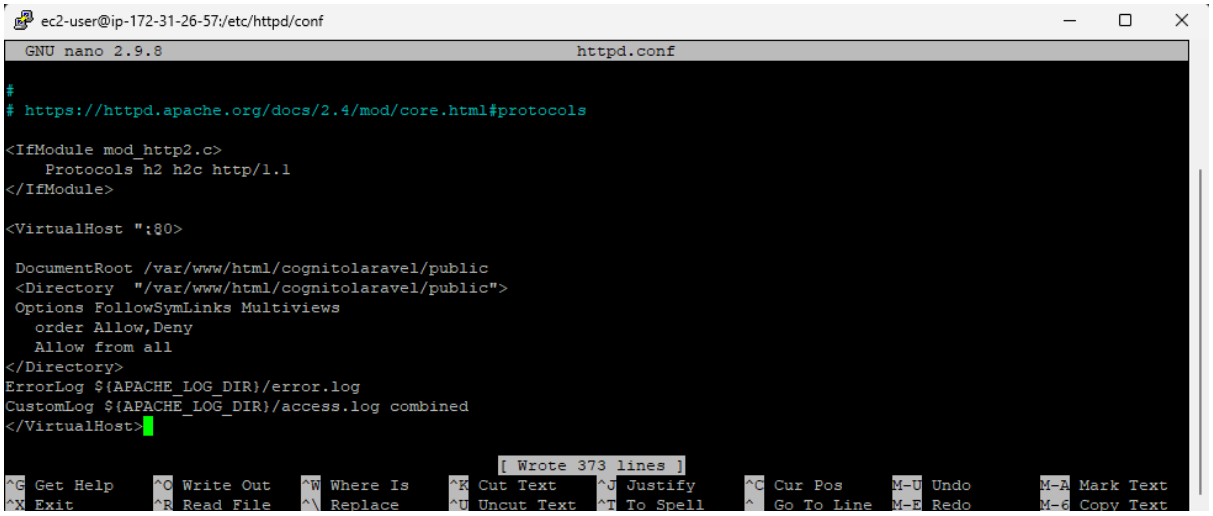
15:57
02-01-2025

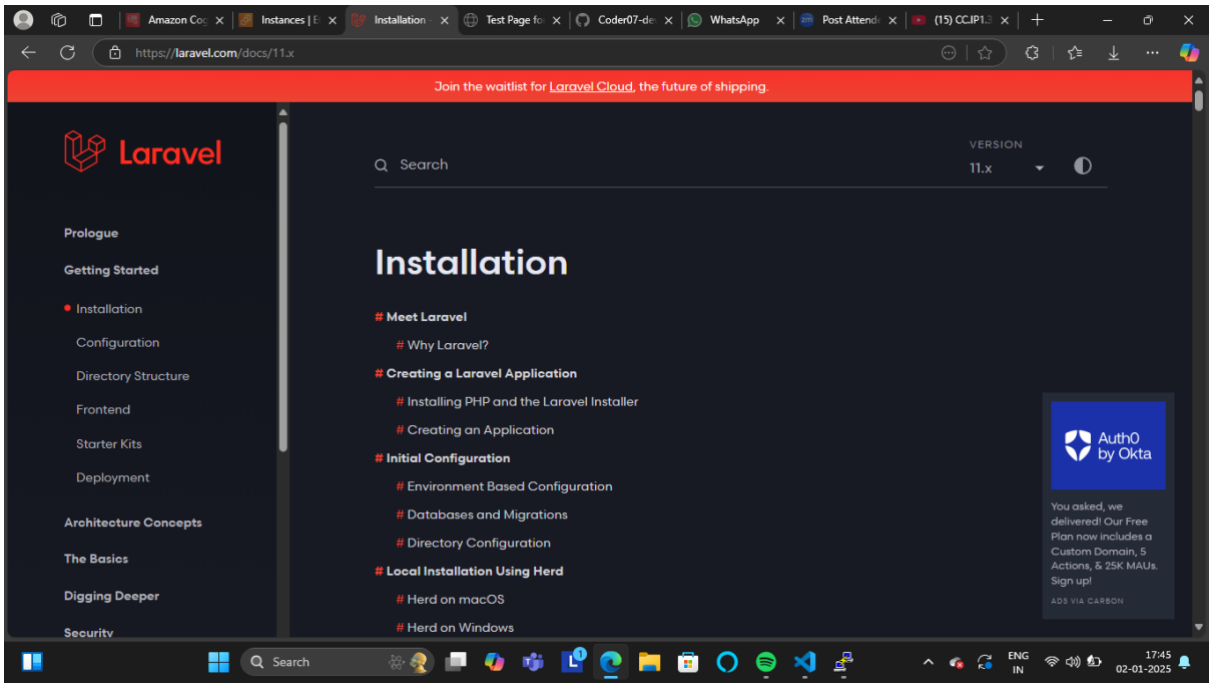

ec2-user@ip-172-31-26-57:/var/www/html/cognitolaravel
[ec2-user@ip-172-31-26-57 cognitolaravel]$ composer install
Installing dependencies from lock file (including require-dev)
Verifying lock file contents can be installed on current platform.
Package operations: 110 installs, 0 updates, 0 removals
- Downloading doctrine/inflector (2.0.10)
- Downloading doctrine/lexer (3.0.1)
- Downloading symfony/polyfill-ctype (v1.31.0)
- Downloading webmozart/assert (1.11.0)
- Downloading dragonmantank/cron-expression (v3.4.0)
- Downloading symfony/deprecation-contracts (v3.5.1)
- Downloading psr/container (2.0.2)
- Downloading fakerphp/faker (v1.24.1)
- Downloading symfony/polyfill-php83 (v1.31.0)
- Downloading symfony/polyfill-mbstring (v1.31.0)
- Downloading symfony/http-foundation (v7.2.0)
- Downloading fruitcake/php-cors (v1.3.0)
- Downloading psr/http-message (2.0)
- Downloading psr/http-client (1.0.3)
- Downloading ralouphie/getallheaders (3.0.3)
- Downloading psr/http-factory (1.1.0)
- Downloading guzzlehttp/psr7 (2.7.0)
- Downloading guzzlehttp/promises (2.0.4)
- Downloading guzzlehttp/guzzle (7.9.2)
- Downloading symfony/polyfill-php80 (v1.31.0)
- Downloading guzzlehttp/uri-template (v1.0.3)
- Downloading symfony/polyfill-intl-normalizer (v1.31.0)
- Downloading symfony/polyfill-intl-grapheme (v1.31.0)
- Downloading symfony/string (v7.2.0)
- Downloading symfony/service-contracts (v3.5.1)
- Downloading symfony/console (v7.2.1)
- Downloading nunomaduro/termwind (v2.3.0)
- Downloading voku/portable-ascii (2.0.3)
- Downloading phpoption/phpoption (1.9.3)
- Downloading graham-campbell/result-type (v1.1.3)
- Downloading vlucas/phpdotenv (v5.6.1)
- Downloading symfony/css-selector (v7.2.0)
- Downloading tijsverkoyen/css-to-inline-styles (v2.3.0)
- Downloading symfony/var-dumper (v7.2.0)
- Downloading symfony/polyfill-uuid (v1.31.0)
- Downloading symfony/uid (v7.2.0)
- Downloading symfony/routing (v7.2.0)
- Downloading symfony/process (v7.2.0)
- Downloading symfony/polyfill-intl-idn (v1.31.0)
Search
ENG
IN
15:59
02-01-2025


ec2-user@ip-172-31-26-57:/var/www/html/cognitolaravel
- Installing nunomaduro/collision (v8.5.0): Extracting archive
- Installing staabm/side-effects-detector (1.0.5): Extracting archive
- Installing sebastian/version (5.0.2): Extracting archive
- Installing sebastian/type (5.1.0): Extracting archive
- Installing sebastian/recursion-context (6.0.2): Extracting archive
- Installing sebastian/object-reflector (4.0.1): Extracting archive
- Installing sebastian/object-enumerator (6.0.1): Extracting archive
- Installing sebastian/global-state (7.0.2): Extracting archive
- Installing sebastian/exporter (6.3.0): Extracting archive
- Installing sebastian/environment (7.2.0): Extracting archive
- Installing sebastian/diff (6.0.2): Extracting archive
- Installing sebastian/comparator (6.2.1): Extracting archive
- Installing sebastian/code-unit (3.0.2): Extracting archive
- Installing sebastian/cli-parser (3.0.2): Extracting archive
- Installing phpunit/php-timer (7.0.1): Extracting archive
- Installing phpunit/php-text-template (4.0.1): Extracting archive
- Installing phpunit/php-invoker (5.0.1): Extracting archive
- Installing phpunit/php-file-iterator (5.1.0): Extracting archive
- Installing theseer/tokenizer (1.2.3): Extracting archive
- Installing sebastian/lines-of-code (3.0.1): Extracting archive
- Installing sebastian/complexity (4.0.1): Extracting archive
- Installing sebastian/code-unit-reverse-lookup (4.0.1): Extracting archive
- Installing phpunit/php-code-coverage (11.0.8): Extracting archive
- Installing phar-io/version (3.2.1): Extracting archive
- Installing phar-io/manifest (2.0.4): Extracting archive
- Installing myclabs/deep-copy (1.12.1): Extracting archive
- Installing phpunit/phpunit (11.5.2): Extracting archive
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
INFO Discovering packages.
laravel/pail ..... DONE
laravel/sail ..... DONE
laravel/tinker ..... DONE
nesbot/carbon ..... DONE
nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE
81 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
[ec2-user@ip-172-31-26-57 cognitolaravel]$
Search
ENG
IN
15:59
02-01-2025


ec2-user@ip-172-31-26-57:/var/www/html/cognitolaravel
[ec2-user@ip-172-31-26-57 cognitolaravel]$ ls -la
total 356
drwxrwsr-x 13 ec2-user apache   4096 Jan 2 10:32 .
drwxrwsr-x 3 ec2-user apache   44 Jan 2 10:25 ..
drwxrwsr-x 5 ec2-user apache   49 Jan 2 10:19 app
-rw-rw-r-- 1 ec2-user apache   350 Jan 2 10:19 artisan
drwxrwsr-x 3 ec2-user apache   55 Jan 2 10:19 bootstrap
-rw-rw-r-- 1 ec2-user apache   2306 Jan 2 10:19 composer.json
-rw-rw-r-- 1 ec2-user apache 297216 Jan 2 10:19 composer.lock
drwxrwsr-x 2 ec2-user apache   188 Jan 2 10:19 config
drwxrwsr-x 5 ec2-user apache   74 Jan 2 10:19 database
-rw-rw-r-- 1 ec2-user apache   258 Jan 2 10:19 .editorconfig
-rw-rw-r-- 1 ec2-user apache   1150 Jan 2 10:32 .env
-rw-rw-r-- 1 ec2-user apache   1099 Jan 2 10:19 .env.example
drwxrwsr-x 8 ec2-user apache   163 Jan 2 10:19 .git
-rw-rw-r-- 1 ec2-user apache   186 Jan 2 10:19 .gitattributes
-rw-rw-r-- 1 ec2-user apache   285 Jan 2 10:19 .gitignore
-rw-rw-r-- 1 ec2-user apache   378 Jan 2 10:19 package.json
-rw-rw-r-- 1 ec2-user apache   1191 Jan 2 10:19 phpunit.xml
-rw-rw-r-- 1 ec2-user apache   93 Jan 2 10:19 postcss.config.js
drwxrwsr-x 2 ec2-user apache   77 Jan 2 10:19 public
-rw-rw-r-- 1 ec2-user apache   4109 Jan 2 10:19 README.md
drwxrwsr-x 5 ec2-user apache   40 Jan 2 10:19 resources
drwxrwsr-x 2 ec2-user apache   40 Jan 2 10:19 routes
drwxrwsr-x 5 ec2-user apache   46 Jan 2 10:19 storage
-rw-rw-r-- 1 ec2-user apache   551 Jan 2 10:19 tailwind.config.js
drwxrwsr-x 4 ec2-user apache   53 Jan 2 10:19 tests
drwxrwsr-x 40 ec2-user apache   4096 Jan 2 10:28 vendor
-rw-rw-r-- 1 ec2-user apache   263 Jan 2 10:19 vite.config.js
[ec2-user@ip-172-31-26-57 cognitolaravel]$
Search
ENG
IN
16:20
02-01-2025


VirtualHost
<VirtualHost *:80>
DocumentRoot /var/www/html/cognitolaravel/public
<Directory "/var/www/html/cognitolaravel/public">
Options FollowSymLinks Multiviews
order Allow,Deny
Allow from all
</Directory>
</VirtualHost>


ec2-user@ip-172-31-26-57:/etc/httpd/conf
GNU nano 2.9.8 httpd.conf
#
https://httpd.apache.org/docs/2.4/mod/core.html#protocols
<IfModule mod_http2.c>
Protocols h2 h2c http/1.1
</IfModule>
<VirtualHost ":80>
DocumentRoot /var/www/html/cognitolaravel/public
<Directory "/var/www/html/cognitolaravel/public">
Options FollowSymLinks Multiviews
order Allow,Deny
Allow from all
</Directory>
ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>
[Wrote 373 lines]
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos M-U Undo M-A Mark Text
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell ^_ Go To Line M-E Redo M-6 Copy Text


https://laravel.com/docs/11.x
Join the waitlist for Laravel Cloud, the future of shipping.
Laravel
Search
VERSION
11.x
Prologue
Getting Started
Installation
Configuration
Directory Structure
Frontend
Starter Kits
Deployment
Architecture Concepts
The Basics
Digging Deeper
Security
Installation
Meet Laravel
Why Laravel?
Creating a Laravel Application
Installing PHP and the Laravel Installer
Creating an Application
Initial Configuration
Environment Based Configuration
Databases and Migrations
Directory Configuration
Local Installation Using Herd
Herd on macOS
Herd on Windows
Auth0 by Okta
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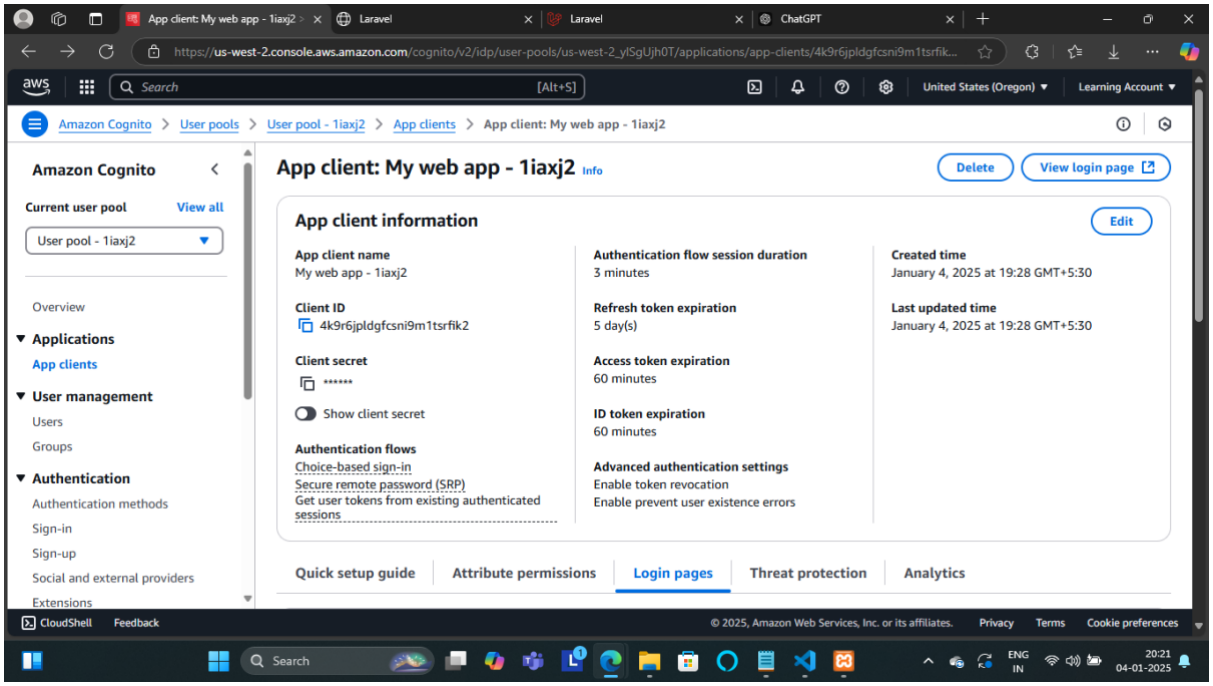
ADS VIA CARBON
Search
ENG
IN
17:45
02-01-2025


App client: My web app - 1iaxj2
Laravel
Laravel
ChatGPT
https://us-west-2.console.aws.amazon.com/cognito/v2/idp/user-pools/us-west-2_ylSgUjh0T/applications/app-clients/4k9r6jpldgfcsni9m1tsrfik...
Search
[Alt+S]
United States (Oregon)
Learning Account
Amazon Cognito
User pools
User pool - 1iaxj2
App clients
App client: My web app - 1iaxj2
Amazon Cognito
Current user pool
View all
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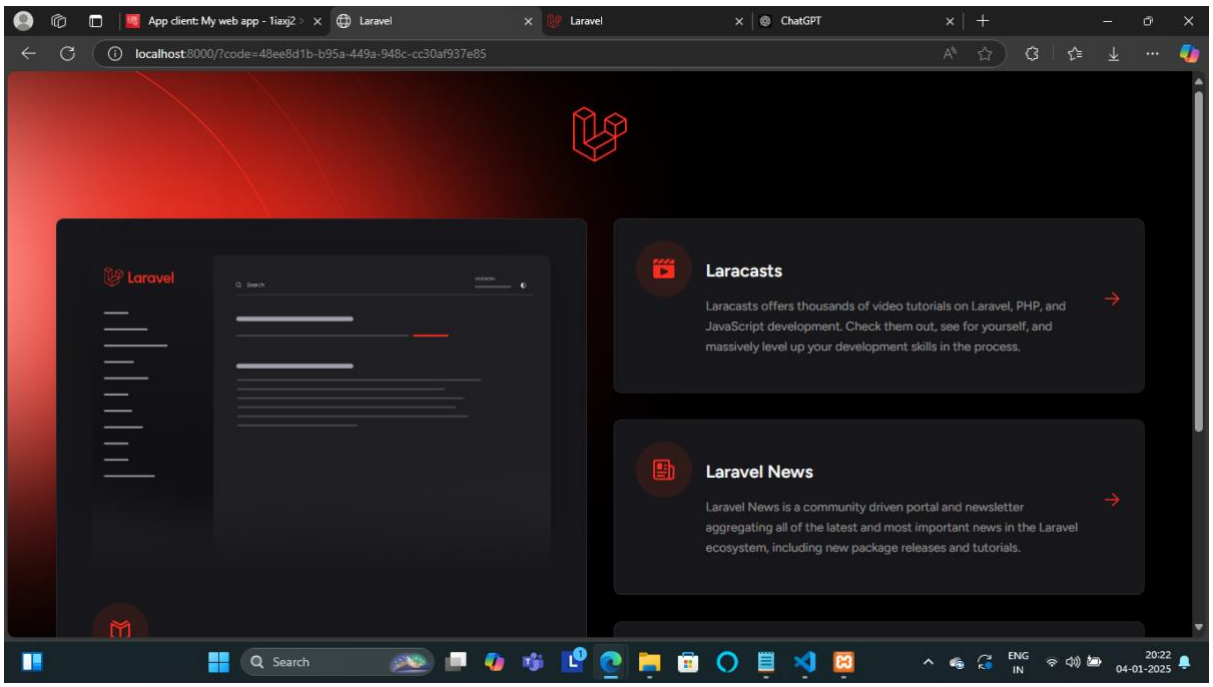
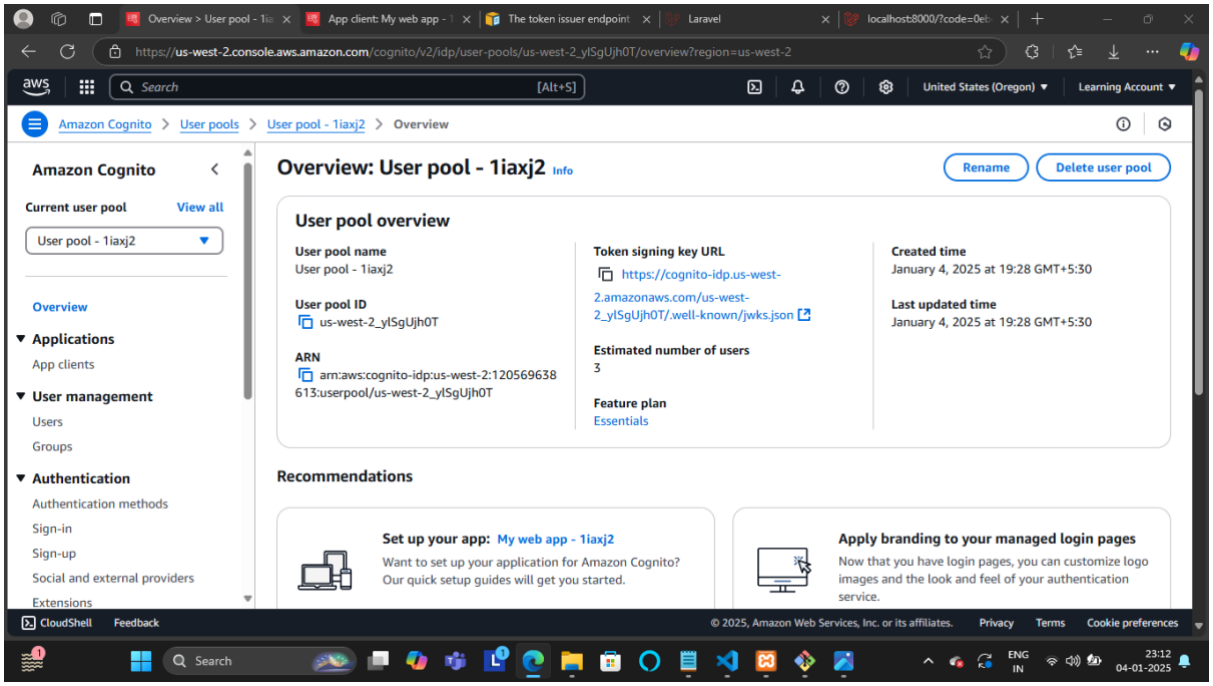
Delete
View login page
App client information
Edit
App client name
My web app - 1iaxj2
Client ID
4k9r6jpldgfcsni9m1tsrfik2
Client secret
******
Show client secret
Authentication flows
Choice-based sign-in
Secure remote password (SRP)
Get user tokens from existing authenticated sessions
Authentication flow session duration
3 minutes
Refresh token expiration
5 day(s)
Access token expiration
60 minutes
ID token expiration
60 minutes
Advanced authentication settings
Enable token revocation
Enable prevent user existence errors
Created time
January 4, 2025 at 19:28 GMT+5:30
Last updated time
January 4, 2025 at 19:28 GMT+5:30
Quick setup guide
Attribute permissions
Login pages
Threat protection
Analytics
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Search
ENG
IN
20:21
04-01-2025


App client: My web app - 1iaxj2
Laravel
Laravel
ChatGPT
localhost:8000/?code=48ee8d1b-b95a-449a-948c-cc30af937e85
Laravel
Laracasts
Laracasts offers thousands of video tutorials on Laravel, PHP, and JavaScript development. Check them out, see for yourself, and massively level up your development skills in the process.
Laravel News
Laravel News is a community driven portal and newsletter aggregating all of the latest and most important news in the Laravel ecosystem, including new package releases and tutorials.
Search
ENG
IN
20:22
04-01-2025


Overview > User pool - 1ia
App client: My web app - 1
The token issuer endpoint
Laravel
localhost:8000/?code=0eb
https://us-west-2.console.aws.amazon.com/cognito/v2/idp/user-pools/us-west-2_ylSgUjh0T/overview?region=us-west-2
Search
[Alt+S]
United States (Oregon)
Learning Account
Amazon Cognito > User pools > User pool - 1iaxj2 > Overview
Amazon Cognito
Current user pool
View all
User pool - 1iaxj2
Overview
Applications
App clients
User management
Users
Groups
Authentication
Authentication methods
Sign-in
Sign-up
Social and external providers
Extensions
Overview: User pool - 1iaxj2 Info
Rename
Delete user pool
User pool overview
User pool name
User pool - 1iaxj2
User pool ID
us-west-2_ylSgUjh0T
ARN
arn:aws:cognito-idp:us-west-2:120569638613:userpool/us-west-2_ylSgUjh0T
Token signing key URL
https://cognito-idp.us-west-2.amazonaws.com/us-west-2_ylSgUjh0T/.well-known/jwks.json
Estimated number of users
3
Feature plan
Essentials
Created time
January 4, 2025 at 19:28 GMT+5:30
Last updated time
January 4, 2025 at 19:28 GMT+5:30
Recommendations
Set up your app: My web app - 1iaxj2
Want to set up your application for Amazon Cognito? Our quick setup guides will get you started.
Apply branding to your managed login pages
Now that you have login pages, you can customize logo images and the look and feel of your authentication service.
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
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ENG IN
23:12
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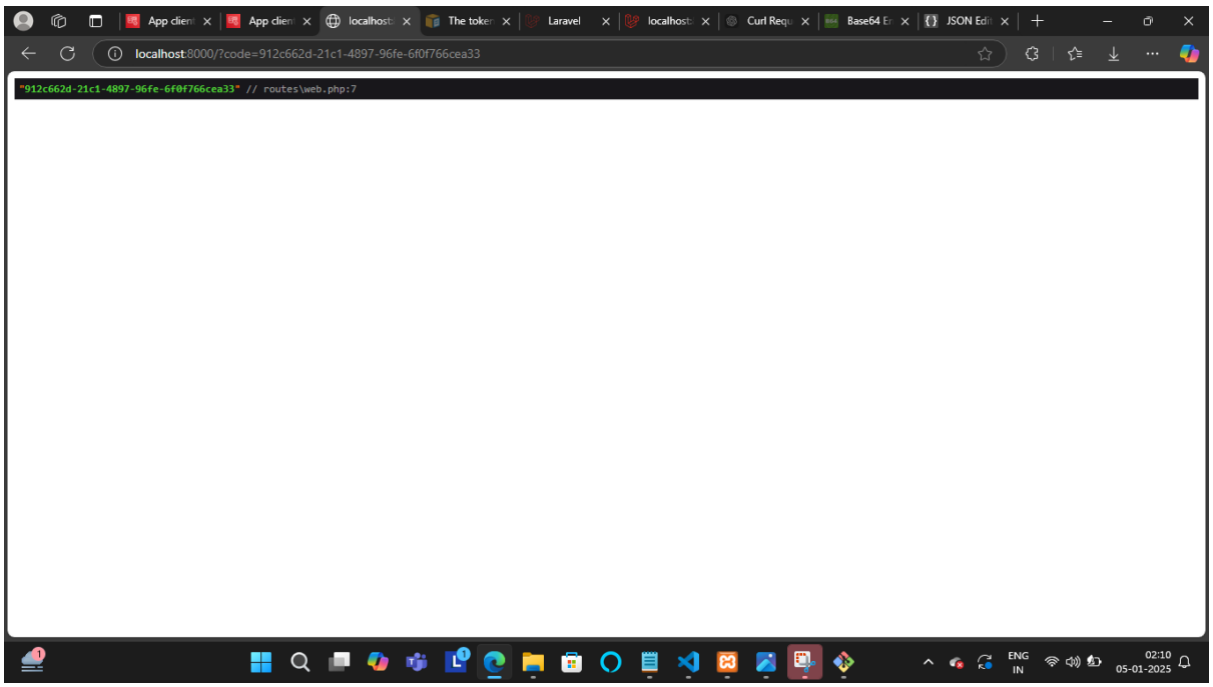
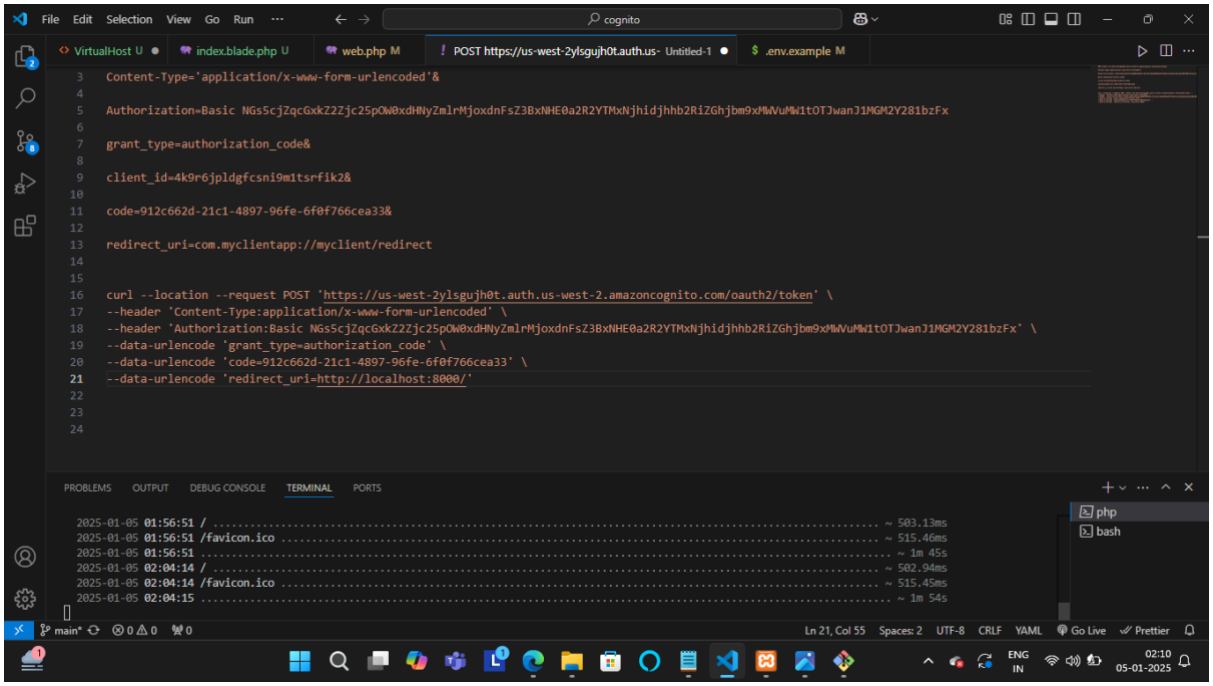
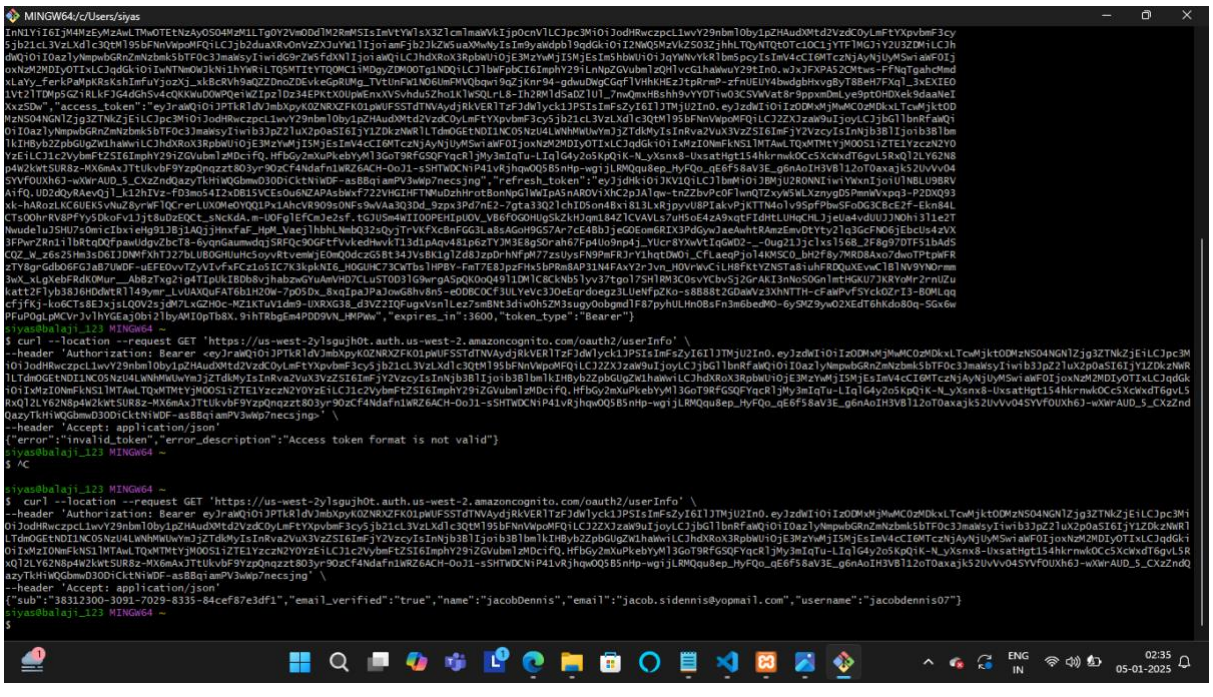
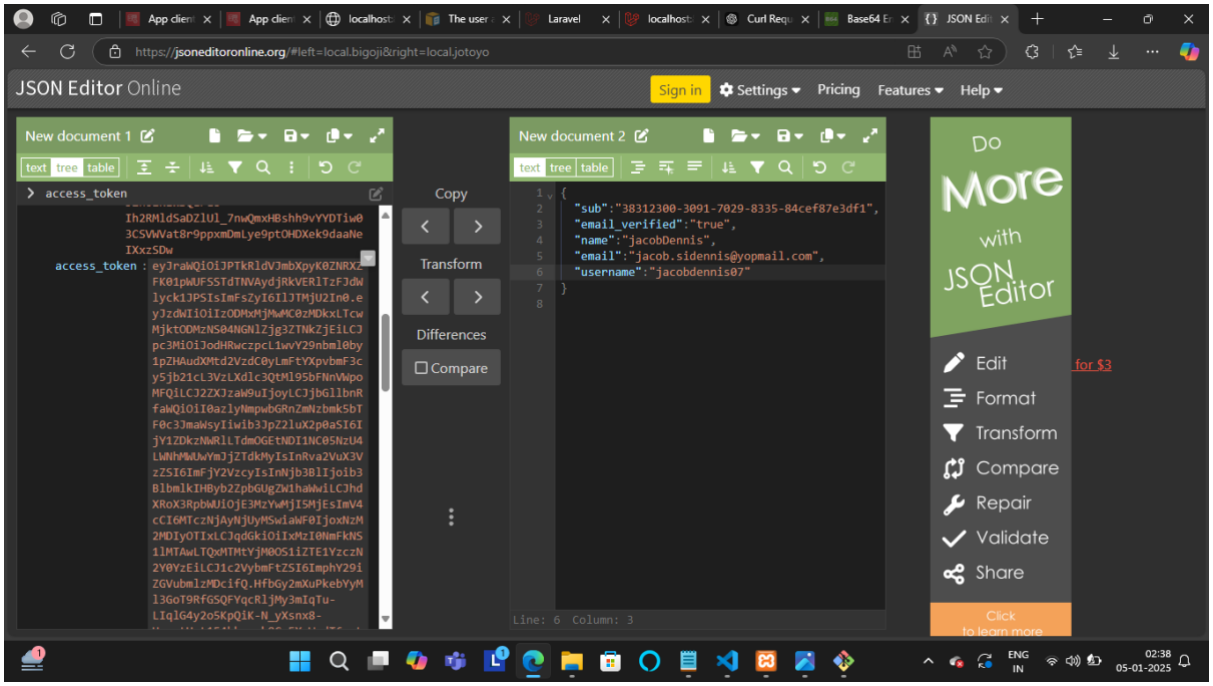

App clien
App clien
localhost:
The token
Laravel
localhost:
Curl Requ
Base64 E
JSON Edi
localhost:8000/?code=912c662d-21c1-4897-96fe-6f0f766cea33
"912c662d-21c1-4897-96fe-6f0f766cea33" // routes\web.php:7
ENG IN
02:10
05-01-2025


File Edit Selection View Go Run
cognito
VirtualHost U
index.blade.php U
web.php M
POST https://us-west-2ylsgujh0t.auth.us- Untitled-1
.env.example M
Content-Type='application/x-www-form-urlencoded'&
Authorization=Basic NGs5cjZqcGxkZ2Zjc25pOW0xdHNyZmlrMjoxdnFsZ3BxNHE0a2R2YTMxNjhidjhhb2RiZGhjbm9xMWVuMW1tOTJwanJ1MGM2Y281bzFx
grant_type=authorization_code&
client_id=4k9r6jpldgfcsni9m1tsrfik2&
code=912c662d-21c1-4897-96fe-6f0f766cea33&
redirect_uri=com.myclientapp://myclient/redirect
curl --location --request POST 'https://us-west-2ylsgujh0t.auth.us-west-2.amazoncognito.com/oauth2/token' \
--header 'Content-Type:application/x-www-form-urlencoded' \
--header 'Authorization:Basic NGs5cjZqcGxkZ2Zjc25pOW0xdHNyZmlrMjoxdnFsZ3BxNHE0a2R2YTMxNjhidjhhb2RiZGhjbm9xMWVuMW1tOTJwanJ1MGM2Y281bzFx' \
--data-urlencode 'grant_type=authorization_code' \
--data-urlencode 'code=912c662d-21c1-4897-96fe-6f0f766cea33' \
--data-urlencode 'redirect_uri=http://localhost:8000/'
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
2025-01-05 01:56:51 / ~ 503.13ms
2025-01-05 01:56:51 /favicon.ico ~ 515.46ms
2025-01-05 01:56:51 ~ 1m 45s
2025-01-05 02:04:14 / ~ 502.94ms
2025-01-05 02:04:14 /favicon.ico ~ 515.45ms
2025-01-05 02:04:15 ~ 1m 54s
php
bash
main*
Ln 21, Col 55 Spaces: 2 UTF-8 CRLF YAML Go Live Prettier
ENG IN 02:10 05-01-2025


MINGW64:/c/Users/siyas
siyas@balaji_123 MINGW64 ~
$ curl --location --request GET 'https://us-west-2ylsgujh0t.auth.us-west-2.amazoncognito.com/oauth2/userInfo' \
--header 'Authorization: Bearer eyJraWQiOiJPTk8ldVJmbXpyKOZNRXZFKO1pWUFSSTdTNVAydjRkVERlTzFJdWlyck1JPSIsImFsZyI6IlJTMjU2InO.eyJzdWIiOiIzODMxMjMwMCOzMDkxLTcwMjktODMzNSO4NGNlZjg3ZTNkZjEiLCJpc3MiOiJodHRwczpcL1wvY29nbmlOby1pZHAudXMtd2VzdCOyLmFtYXpvbmF3cy5jb21cL3VzLXdlc3QtMl95bFNnVWpoMFQiLCJ2ZXJzaW9uIjoyLCJjbGllbnRfaWQiOiI0YXlpbmpwbGRnZmNzbmksbTFOc3JmaWsyIiwib3JpZ2luX2p0aSI6IjY1ZDkzNWRlLTdmOGEtNDI1NCO5NzU4LWNhNWUwYmJjZTdkMyIsInRva2VuX3VzZSI6ImFjY2VzcyIsInNjb3BlIjoib3BlbmlkIHByb2ZpbGUgZW1haWwiLCJhdXRoX3RpbWUiOjE3MzYwMjI5MjEsImV4cCI6MTczNjAyNjUyMSwiaWF0IjoxNzM2MDIyOTIxLCJqdGkiOiIxMzI0NmFkNS1lMTAwLTQxMTMtYjM0OS1iZTE1YzczN2Y0YzEiLCJ1c2VybmFtZSI6ImphY29iRGFsQFYqcRljMy3mIqTu-LIqlG4y2o5kpQiK-N_yXsnx8-UxsatHgt154hkrmwkOCc5XcWxdT6gvL5RxQl2LY62N8p4W2kWtSUR8z-MX6mAxJTtUkvbF9YzpQnqzzt8O3yr9OzCf4Ndafn1WRZ6ACH-OoJ1-sSHTWDCNiP41vRjhqwOQ5B5nHp-wgijLRMQqu8ep_HyFQo_qE6f58aV3E_g6nAoIH3VBl12oTOaxajk52UvVvO4SYVFOUXh6J-wXWrAUD_5_CXzZndQazyTkHiWQGbmwD3ODiCktNiWDF-asBBqiamPV3wWp7necsjng>' \
--header 'Accept: application/json'
{"error":"invalid_token","error_description":"Access token format is not valid"}
siyas@balaji_123 MINGW64 ~
$ ^C
siyas@balaji_123 MINGW64 ~
$ curl --location --request GET 'https://us-west-2ylsgujh0t.auth.us-west-2.amazoncognito.com/oauth2/userInfo' \
--header 'Authorization: Bearer eyJraWQiOiJPTk8ldVJmbXpyKOZNRXZFKO1pWUFSSTdTNVAydjRkVERlTzFJdWlyck1JPSIsImFsZyI6IlJTMjU2InO.eyJzdWIiOiIzODMxMjMwMCOzMDkxLTcwMjktODMzNSO4NGNlZjg3ZTNkZjEiLCJpc3MiOiJodHRwczpcL1wvY29nbmlOby1pZHAudXMtd2VzdCOyLmFtYXpvbmF3cy5jb21cL3VzLXdlc3QtMl95bFNnVWpoMFQiLCJ2ZXJzaW9uIjoyLCJjbGllbnRfaWQiOiI0YXlpbmpwbGRnZmNzbmksbTFOc3JmaWsyIiwib3JpZ2luX2p0aSI6IjY1ZDkzNWRlLTdmOGEtNDI1NCO5NzU4LWNhNWUwYmJjZTdkMyIsInRva2VuX3VzZSI6ImFjY2VzcyIsInNjb3BlIjoib3BlbmlkIHByb2ZpbGUgZW1haWwiLCJhdXRoX3RpbWUiOjE3MzYwMjI5MjEsImV4cCI6MTczNjAyNjUyMSwiaWF0IjoxNzM2MDIyOTIxLCJqdGki
$ curl --location --request GET 'https://us-west-2ylsgujh0t.auth.us-west-2.amazoncognito.com/oauth2/userInfo' \
--header 'Authorization: Bearer eyJraWQiOiJPTk8ldVJmbXpyKOZNRXZFKO1pWUFSSTdTNVAydjRkVERlTzFJdWlyck1JPSIsImFsZyI6IlJTMjU2InO.eyJzdWIiOiIzODMxMjMwMCOzMDkxLTcwMjktODMzNSO4NGNlZjg3ZTNkZjEiLCJpc3MiOiJodHRwczpcL1wvY29nbmlOby1pZHAudXMtd2VzdCOyLmFtYXpvbmF3cy5jb21cL3VzLXdlc3QtMl95bFNnVWpoMFQiLCJ2ZXJzaW9uIjoyLCJjbGllbnRfaWQiOiI0YXlpbmpwbGRnZmNzbmksbTFOc3JmaWsyIiwib3JpZ2luX2p0aSI6IjY1ZDkzNWRlLTdmOGEtNDI1NCO5NzU4LWNhNWUwYmJjZTdkMyIsInRva2VuX3VzZSI6ImFjY2VzcyIsInNjb3BlIjoib3BlbmlkIHByb2ZpbGUgZW1haWwiLCJhdXRoX3RpbWUiOjE3MzYwMjI5MjEsImV4cCI6MTczNjAyNjUyMSwiaWF0IjoxNzM2MDIyOTIxLCJqdGki
{"sub":"38312300-3091-7029-8335-84cef87e3df1","email_verified":"true","name":"jacobDennis","email":"jacob.sidennis@yopmail.com","username":"jacobdennis07"}
siyas@balaji_123 MINGW64 ~
ENG IN 02:35 05-01-2025


JSON Editor Online
Sign in
Settings
Pricing
Features
Help
New document 1
New document 2
access_token
Copy
Transform
Differences
Compare
"sub":"38312300-3091-7029-8335-84cef87e3df1",
"email_verified":"true",
"name":"jacobDennis",
"email":"jacob.sidennis@yopmail.com",
"username":"jacobdennis07"
Line: 6 Column: 3
Do More with JSON Editor
Edit
Format
Transform
Compare
Repair
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Share
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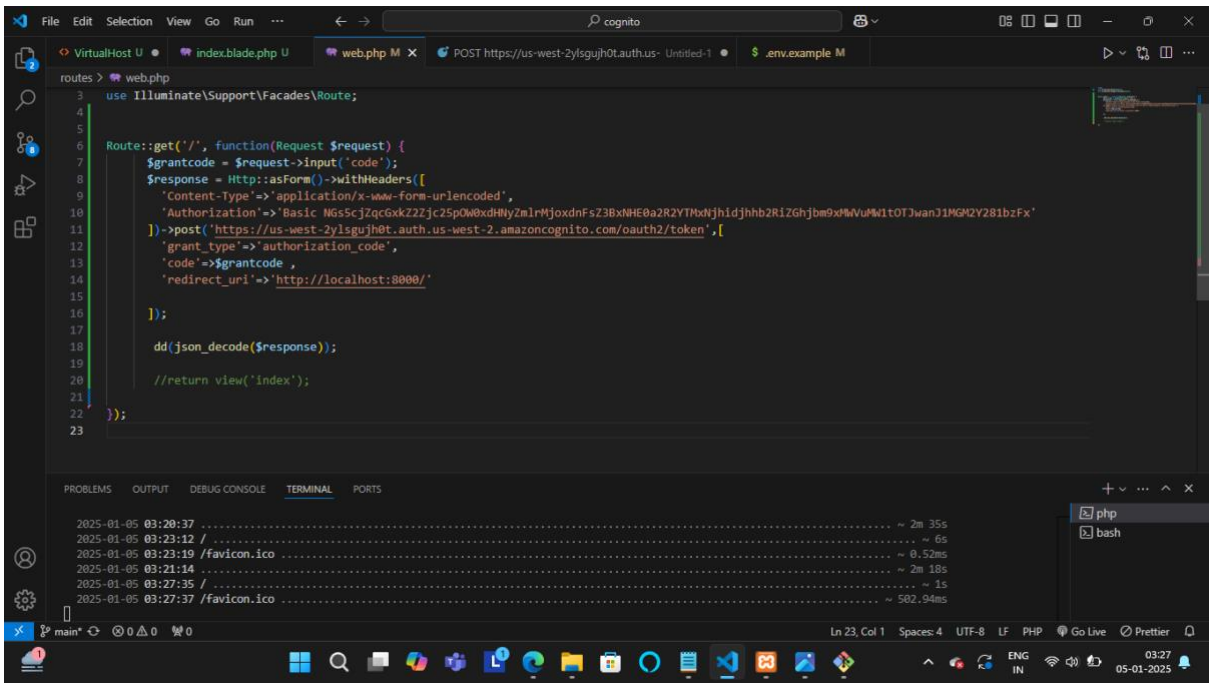
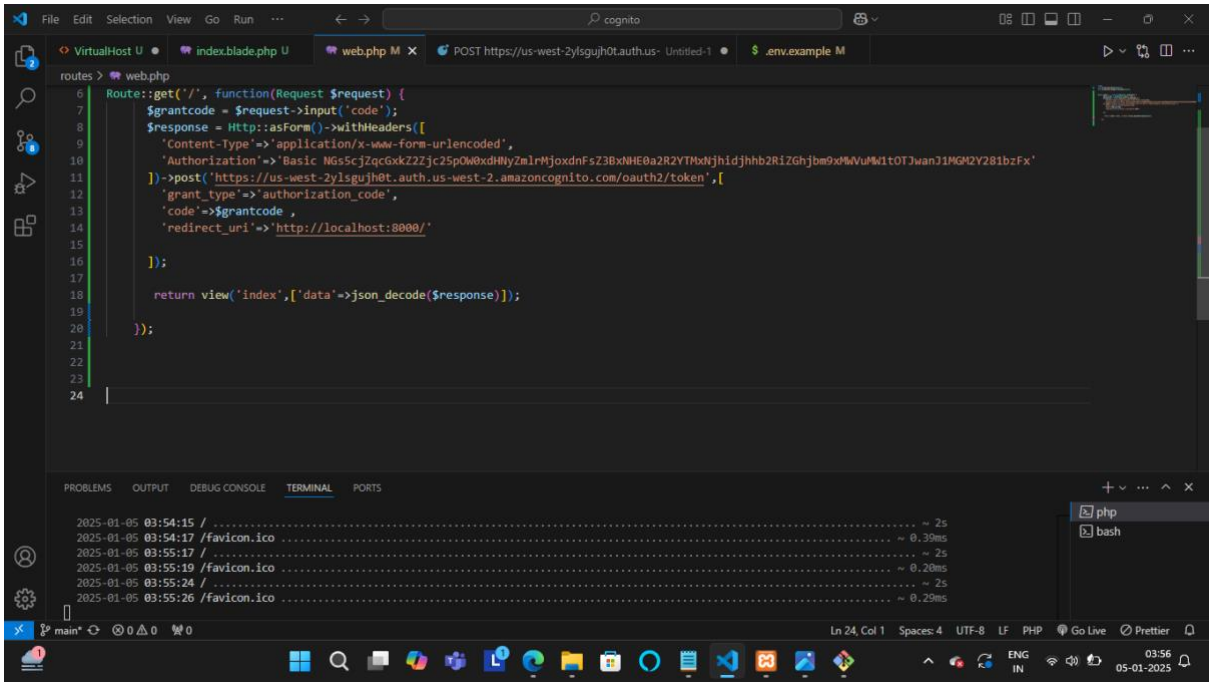
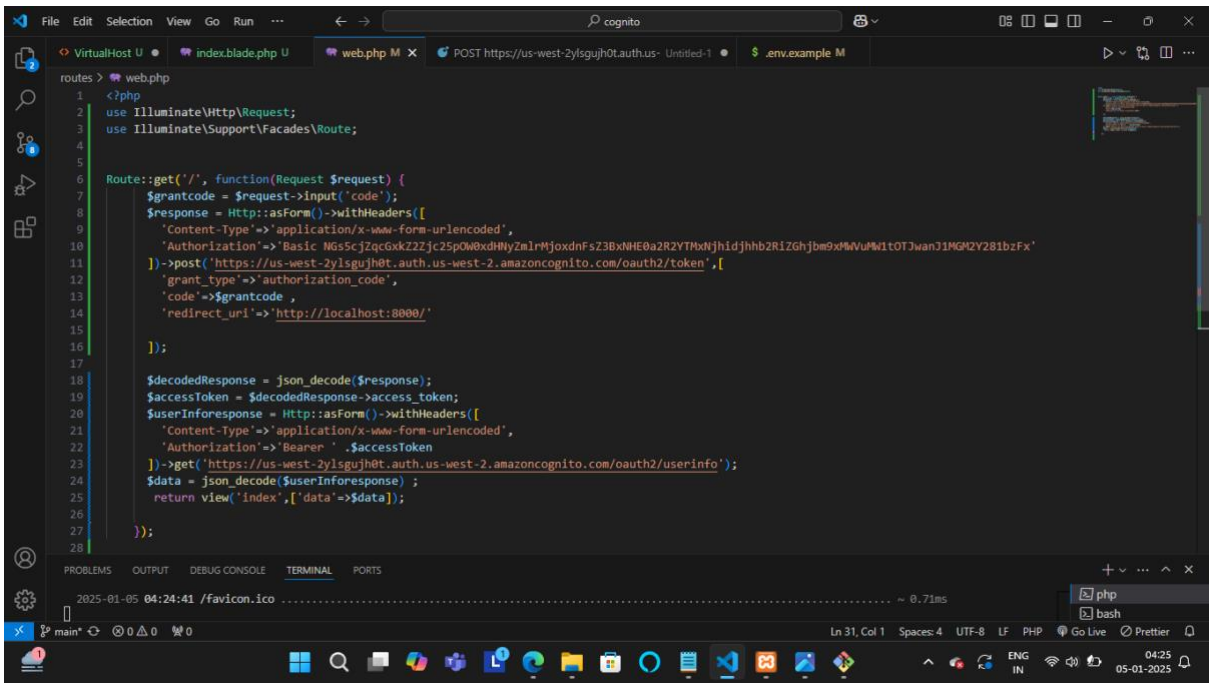
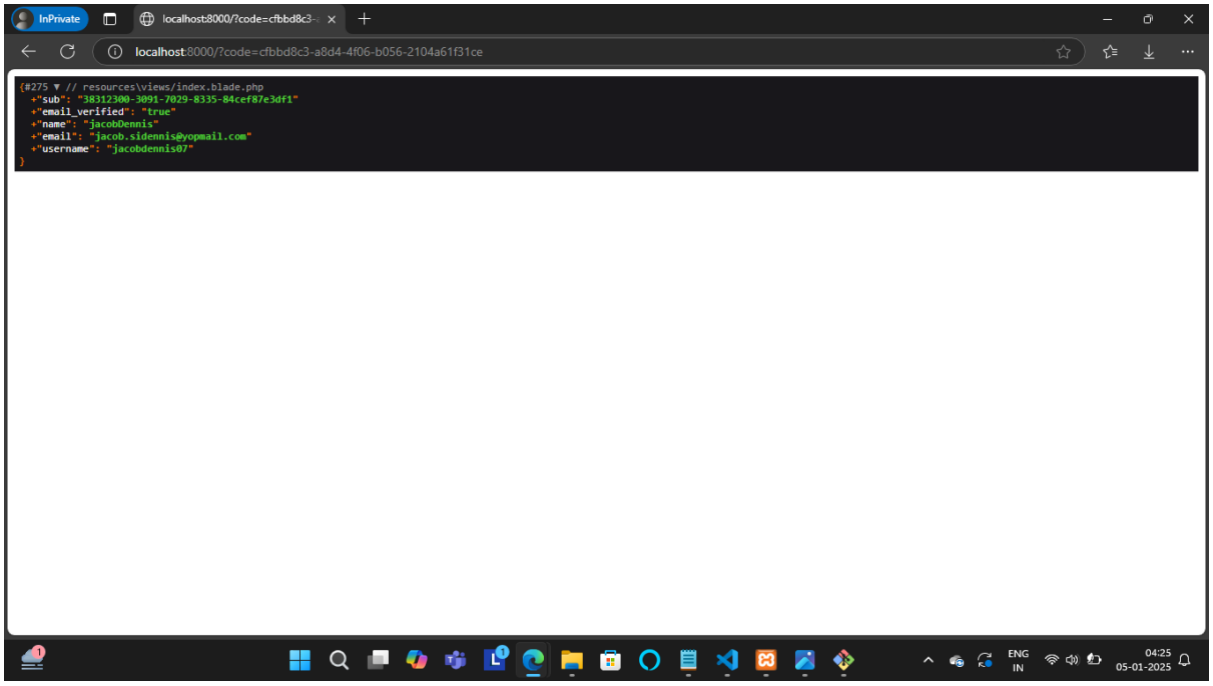

use Illuminate\Support\Facades\Route;
Route::get('/', function(Request $request) {
$grantcode = $request->input('code');
$response = Http::asForm()->withHeaders([
'Content-Type'=>'application/x-www-form-urlencoded',
'Authorization'=>'Basic NGs5cjZqcGxkZ2Zjc25pOW0xdHNyZmlrMjoxdnFsZ3BxNHE0a2R2YTMxNjhidjhhb2RiZGhjbm9xMWVuMW1tOTJwanJ1MGM2Y281bzFx'
])->post('https://us-west-2ylsgujh0t.auth.us-west-2.amazoncognito.com/oauth2/token',[
'grant_type'=>'authorization_code',
'code'=>$grantcode ,
'redirect_uri'=>'http://localhost:8000/'
]);
dd(json_decode($response));
//return view('index');
});
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
2025-01-05 03:20:37
2025-01-05 03:23:12 /
2025-01-05 03:23:19 /favicon.ico
2025-01-05 03:21:14
2025-01-05 03:27:35 /
2025-01-05 03:27:37 /favicon.ico


File Edit Selection View Go Run
cognito
VirtualHost U
index.blade.php U
web.php M
POST https://us-west-2ylsgujh0t.auth.us-
Untitled-1
.env.example M
routes > web.php
Route::get('/', function(Request $request) {
$grantcode = $request->input('code');
$response = Http::asForm()->withHeaders([
'Content-Type'=>'application/x-www-form-urlencoded',
'Authorization'=>'Basic NGs5cjZqcGxkZ2Zjc25pOW0xdHNyZmlrMjoxdnFsZ3BxNHE0a2R2YTMxNjhidjhhb2RiZGhjbm9xMWVuMW1tOTJwanJ1MGM2Y281bzFx'
])->post('https://us-west-2ylsgujh0t.auth.us-west-2.amazoncognito.com/oauth2/token',[
'grant_type'=>'authorization_code',
'code'=>$grantcode ,
'redirect_uri'=>'http://localhost:8000/'
]);
return view('index',['data'=>json_decode($response)]);
});
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
2025-01-05 03:54:15 / ~ 2s
2025-01-05 03:54:17 /favicon.ico ~ 0.39ms
2025-01-05 03:55:17 / ~ 2s
2025-01-05 03:55:19 /favicon.ico ~ 0.20ms
2025-01-05 03:55:24 / ~ 2s
2025-01-05 03:55:26 /favicon.ico ~ 0.29ms
php
bash
main*
Ln 24, Col 1 Spaces: 4 UTF-8 LF PHP Go Live Prettier
ENG IN
03:56 05-01-2025


File Edit Selection View Go Run
cognito
VirtualHost U
index.blade.php U
web.php M
POST https://us-west-2ylsgujh0t.auth.us-
Untitled-1
.env.example M
routes > web.php
<?php
use Illuminate\Http\Request;
use Illuminate\Support\Facades\Route;
Route::get('/', function(Request $request) {
$grantcode = $request->input('code');
$response = Http::asForm()->withHeaders([
'Content-Type'=>'application/x-www-form-urlencoded',
'Authorization'=>'Basic NGs5cjZqcGxkZ2Zjc25pOW0xdHNyZmlrMjoxdnFsZ3BxNHE0a2R2YTMxNjhidjhhb2RiZGhjbm9xMWVuMW1tOTJwanJ1MGM2Y281bzFx'
])->post('https://us-west-2ylsgujh0t.auth.us-west-2.amazoncognito.com/oauth2/token',[
'grant_type'=>'authorization_code',
'code'=>$grantcode ,
'redirect_uri'=>'http://localhost:8000/'
]);
$decodedResponse = json_decode($response);
$accessToken = $decodedResponse->access_token;
$userInforesponse = Http::asForm()->withHeaders([
'Content-Type'=>'application/x-www-form-urlencoded',
'Authorization'=>'Bearer ' .$accessToken
])->get('https://us-west-2ylsgujh0t.auth.us-west-2.amazoncognito.com/oauth2/userinfo');
$data = json_decode($userInforesponse) ;
return view('index',['data'=>$data]);
});
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
2025-01-05 04:24:41 /favicon.ico ~ 0.71ms
php
bash
main*
Ln 31, Col 1 Spaces: 4 UTF-8 LF PHP Go Live Prettier
ENG IN
04:25 05-01-2025


InPrivate
localhost:8000/?code=cfbbd8c3-a8d4-4f06-b056-2104a61f31ce
{#275 ▼ // resources\views\index.blade.php
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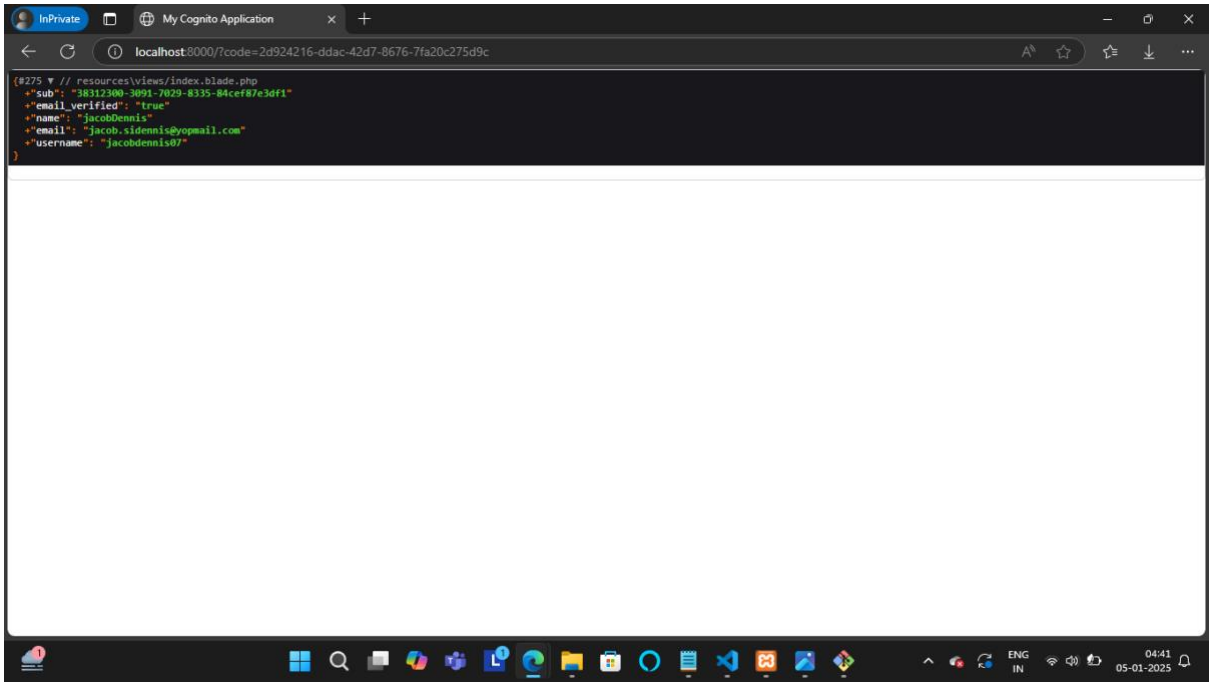
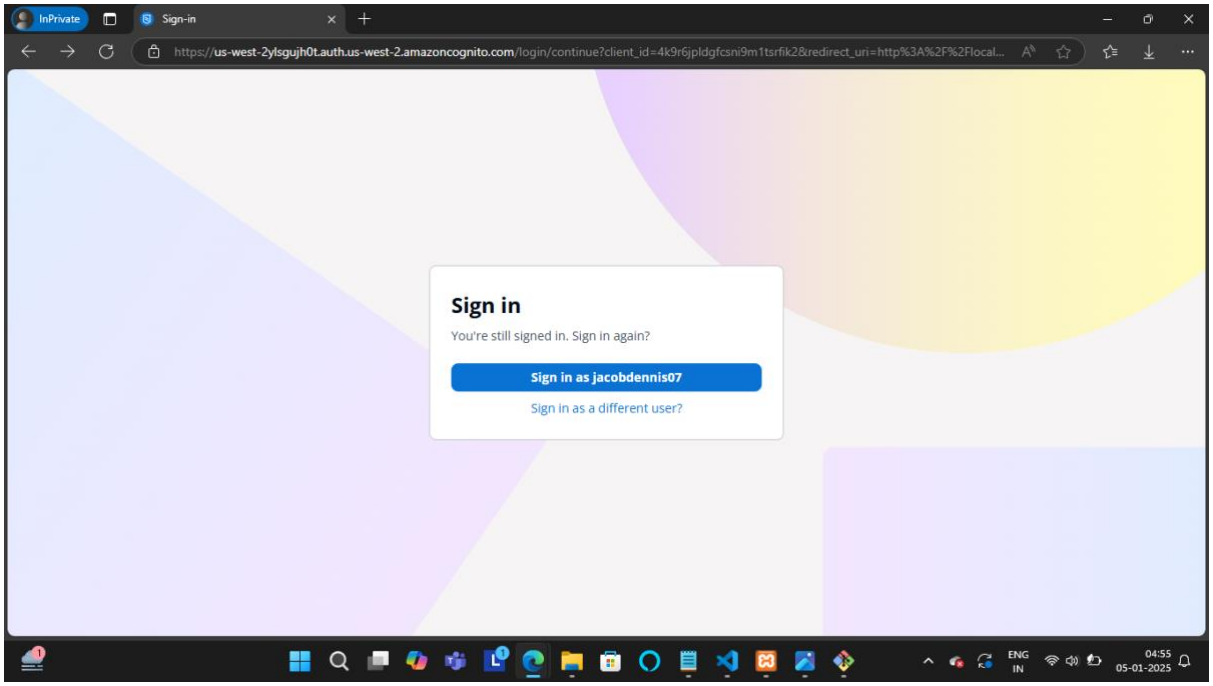
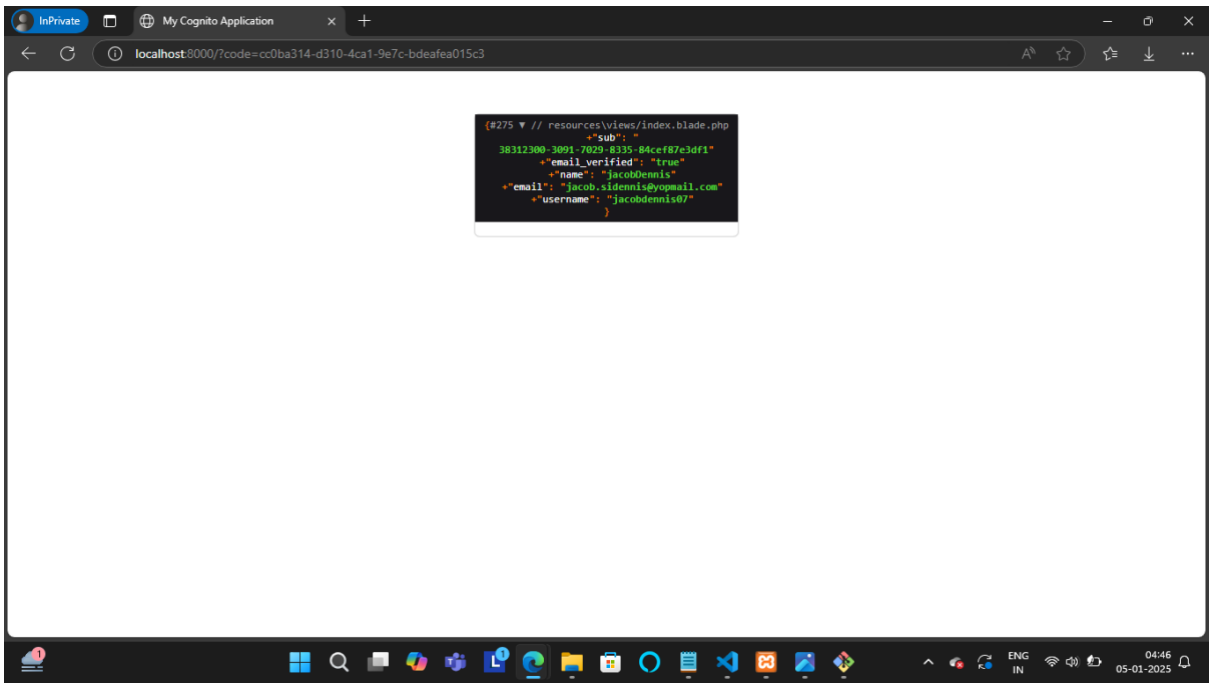
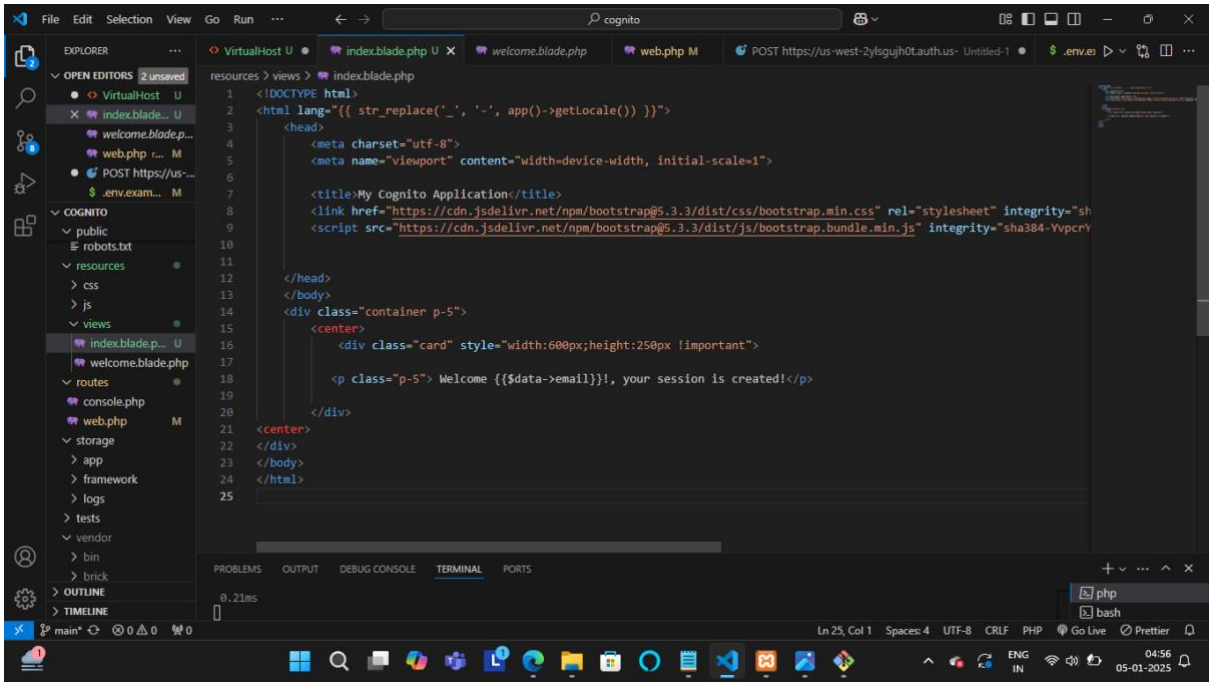
+"email_verified": "true"
+"name": "jacobDennis"
+"email": "jacob.sidennis@yopmail.com"
+"username": "jacobdennis07"
}
ENG
IN
04:25
05-01-2025


InPrivate
My Cognito Application
localhost:8000/?code=2d924216-ddac-42d7-8676-7fa20c275d9c
{#275 ▼ // resources\views\index.blade.php
+"sub": "38312300-3091-7029-8335-84cef87e3df1"
+"email_verified": "true"
+"name": "jacobDennis"
+"email": "jacob.sidennis@yopmail.com"
+"username": "jacobdennis07"
}
ENG
IN
04:41
05-01-2025

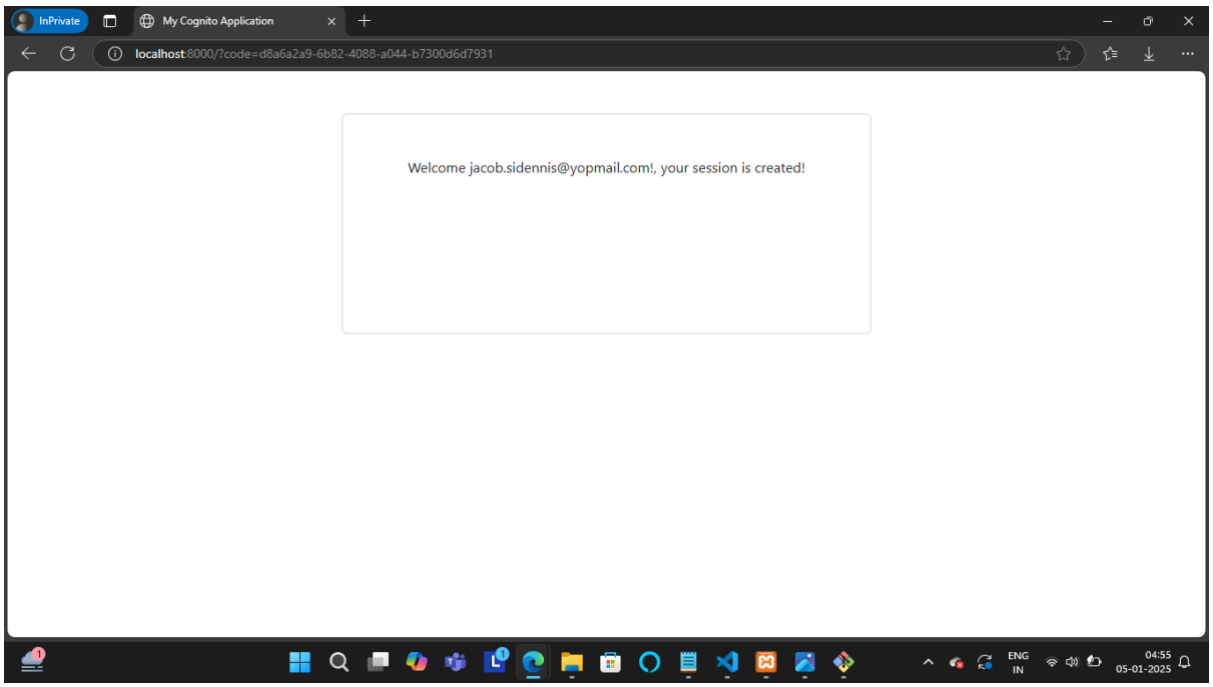

InPrivate
Sign-in
https://us-west-2ylsgujh0t.auth.us-west-2.amazoncognito.com/login/continue?client_id=4k9r6jpldgfcsni9m1tsrfik2&redirect_uri=http%3A%2F%2Flocal...
Sign in
You're still signed in. Sign in again?
Sign in as jacobdennis07
Sign in as a different user?
ENG
IN
04:55
05-01-2025


InPrivate
My Cognito Application
localhost:8000/?code=cc0ba314-d310-4ca1-9e7c-bdeafea015c3
{#275 ▼ // resources\views\index.blade.php
+"sub": "
38312300-3091-7029-8335-84cef87e3df1"
+"email_verified": "true"
+"name": "jacobDennis"
+"email": "jacob.sidennis@yopmail.com"
+"username": "jacobdennis07"
}
ENG
IN
04:46
05-01-2025

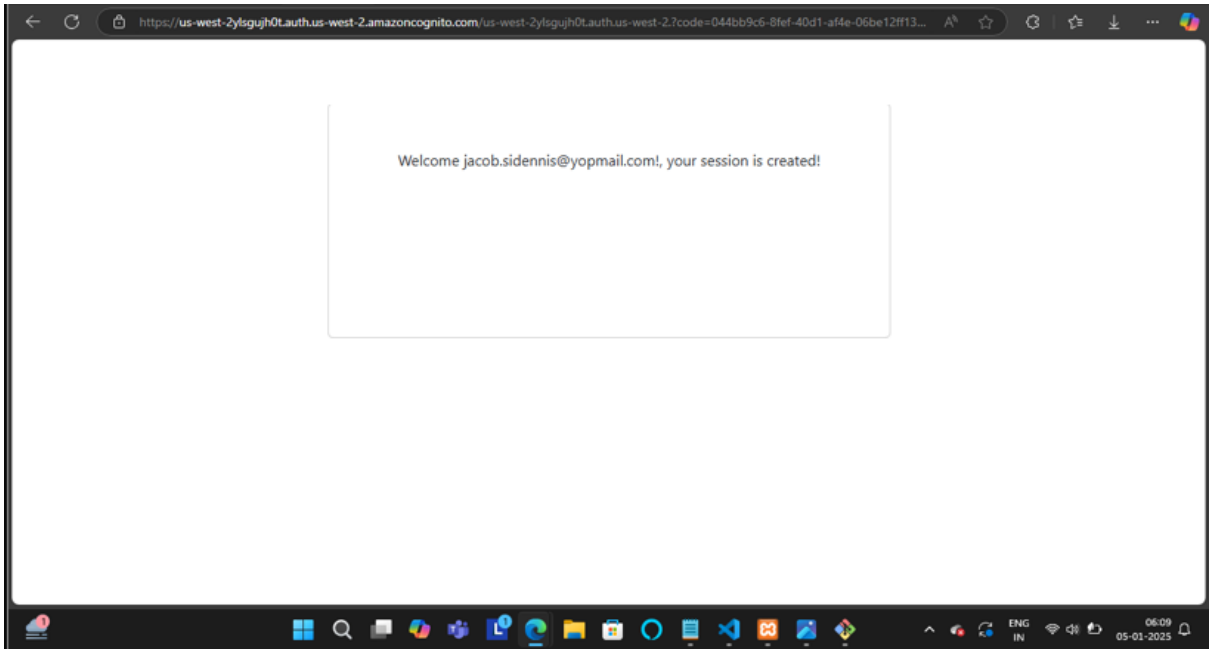

File Edit Selection View Go Run
cognito
EXPLORER
OPEN EDITORS 2 unsaved
VirtualHost U
index.blade... U
welcome.blade.p...
web.php r... M
POST https://us-...
.env.exam... M
COGNITO
public
robots.txt
resources
css
js
views
index.blade.p... U
welcome.blade.php
routes
console.php
web.php M
storage
app
framework
logs
tests
vendor
bin
brick
OUTLINE
TIMELINE
VirtualHost U
index.blade.php U
welcome.blade.php
web.php M
POST https://us-west-2ylsgujh0t.auth.us-
Untitled-1
resources > views > index.blade.php
<!DOCTYPE html>
<html lang="{{ str_replace('_', '-', app()->getLocale()) }}">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>My Cognito Application</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sh
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrY
</head>
</body>

 Welcome {{$data->email}}!, your session is created!

</body>
</html>
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
0.21ms
php
bash
main*
Ln 25, Col 1 Spaces: 4 UTF-8 CRLF PHP Go Live Prettier
ENG IN
04:56 05-01-2025


InPrivate
My Cognito Application
localhost:8000/?code=d8a6a2a9-6b82-4088-a044-b7300d6d7931
Welcome jacob.sidennis@yopmail.com!, your session is created!
ENG IN
04:55 05-01-2025

OUTPUT


https://us-west-2ylsgujh0t.auth.us-west-2.amazoncognito.com/us-west-2ylsgujh0t.auth.us-west-2.?code=044bb9c6-8fef-40d1-af4e-06be12ff13...
Welcome jacob.sidennis@yopmail.com!, your session is created!
ENG
IN
06:09
05-01-2025

CONCLUSION

In an era where digital security is paramount, the development of a user login system utilizing AWS Cognito and the LAMP stack embodies a forward-thinking approach to creating secure, scalable, and user-friendly authentication solutions. This project highlights the fusion of AWS's advanced cloud capabilities with the foundational reliability of the LAMP stack, demonstrating how traditional server-side technologies can effectively integrate with modern cloud services to address contemporary web development challenges.

By leveraging AWS Cognito, the project provides a robust authentication framework equipped with features such as multi-factor authentication (MFA), social identity federation, and token-based access control. These functionalities ensure that the system meets stringent security standards while delivering an intuitive and seamless user experience. The LAMP stack complements Cognito's cloud-based services by providing a stable and efficient environment for backend operations, database management, and server-side scripting, ensuring the system remains versatile and maintainable.

This project's implementation not only addresses the technical complexities of authentication systems but also emphasizes scalability, flexibility, and ease of deployment. Through careful configuration of the AWS Cognito User Pool, integration with MySQL databases, and development of user-friendly interfaces, the

system demonstrates how cloud-native solutions and traditional stacks can coalesce to produce a highly effective user management system.

Furthermore, this project underscores the importance of balancing security with accessibility. Features such as password recovery, role-based access control (RBAC), and integration with industry-standard protocols like OAuth 2.0 ensure a comprehensive approach to user authentication. This balance makes the system suitable for a wide range of applications, from small businesses seeking cost-effective solutions to enterprises requiring sophisticated security measures.

The successful completion of this project illustrates the value of combining modern cloud technologies with established development frameworks. It serves as a practical guide for developers aiming to create secure login systems that are both robust and adaptable to evolving requirements. Beyond technical achievements, this initiative reflects a commitment to enhancing user trust and safeguarding digital assets in an increasingly interconnected world.

In conclusion, the creation of a user login system using AWS Cognito and the LAMP stack demonstrates a pioneering approach to authentication system design. It paves the way for future innovations, empowering organizations to build secure, scalable, and user-centric applications that meet the demands of today’s digital landscape.