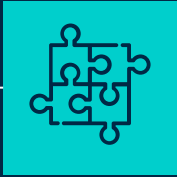


AMAZON WEB SERVICES WORKSHOP

Presenter:
Trần Tuấn Anh
Huỳnh Đức Duy

CONTENTS



01

DOMAIN NAME & WEB HOSTING

The way people
access your
website



02

INTRODUCTION TO AWS

A comprehensive
cloud platform by
e-commerce giant
Amazon.



03

HOSTING WITH AWS

Host your personal
or simple website
on AWS

DOMAIN NAME & WEB HOSTING

Find out how people access
your website

01

74.125.127.147

it is hard to remember right?



DOMAIN NAME



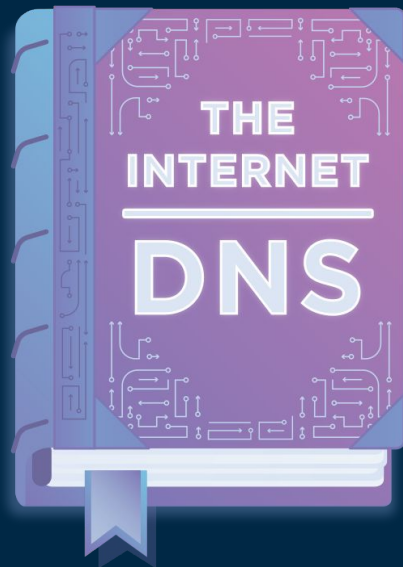
- The identity of one or more IP addresses
- Are invented as it is easy to remember
- Cannot have more than 63 characters excluding TLD

IP ADDRESS



- A numerical label assigned to each device connected to a computer network that uses the Internet Protocol for communication.
- IPv4 defines an IP address as a 32-bit number
- IPv6 defines an IP address as a 128-bit number

DOMAIN NAME SYSTEM (DNS)



- The phonebook of the Internet
- Eliminate the need for humans to memorize IP addresses such as 192.168.1.1 (IPv4) or 2400:cb00:2048:1::c629:d7a2 (IPv6)

WEB HOSTING



- A service that allows organizations and individuals to post a website or web page onto the Internet
- Websites are hosted, or stored, on special computers called servers

TYPES OF WEB HOSTING



SHARED HOSTING



VPS HOSTING



CLOUD HOSTING



DEDICATED SERVER

INTRODUCTION TO AWS

The world's most comprehensive
and broadly adopted cloud platform

02

CLOUD COMPUTING

Assigned on an
as-needed and
when-needed basis

ON-DEMAND

IT RESOURCES

Computing power
Storage
Databases



No contract
Charges based on
usage

PAY-AS-YOU-GO

OVER THE INTERNET

Faster innovation
Flexible resources
Economies of scale

BENEFITS OF CLOUD COMPUTING

AGILITY

Innovate faster and build nearly anything that you can imagine

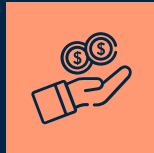


ELASTICITY

Provision the amount of resources that you actually need

COST SAVINGS

Allows to trade capital expenses for variable expenses



DEPLOY GLOBALLY

Expand to new geographic regions and deploy globally in minutes

TYPES OF CLOUD COMPUTING

Provides access to networking features, computers and data storage space

IaaS



Infrastructure
as a Service

Platform
as a Service



PaaS

Focus on the deployment and management of your applications

Provides a complete product that is run and managed by the service provider

SaaS



Software
as a Service

AMAZON WEB SERVICES

The leading cloud platform

- Most functionality
- Largest community of customers and partners
- Most secure
- Fastest pace of innovation
- Most proven operational expertise



> 175

fully featured services from
data centers globally



AWS CLOUD PRODUCTS



Analytics



Application Integration



AR & VR



AWS Cost Management



Blockchain



Business Applications



Compute



Containers



Customer Engagement



Database



Developer Tools



End User Computing



Game Tech



Internet of Things



Machine Learning



Management & Governance



Media Services



Migration & Transfer



Mobile



Networking & Content
Delivery



Quantum Technologies



Robotics



Satellite



Security, Identity &
Compliance



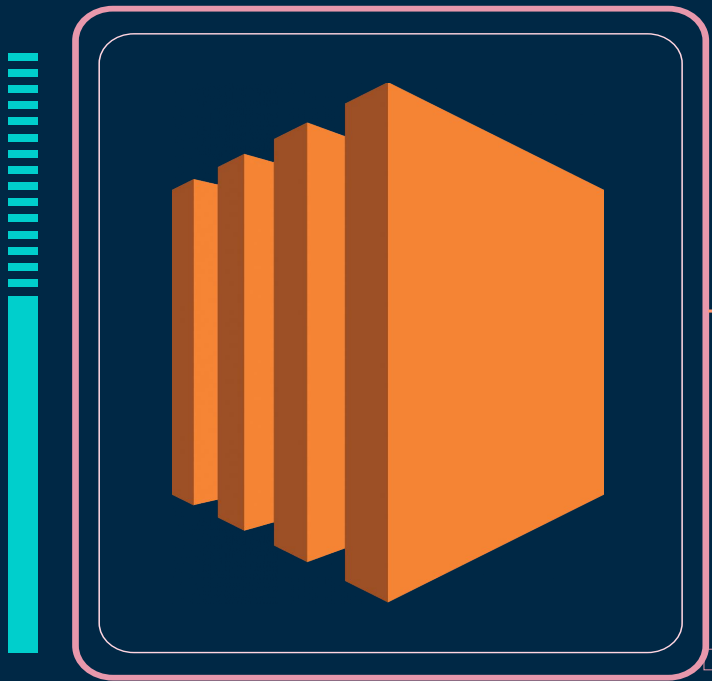
Storage

AWS CUSTOMERS



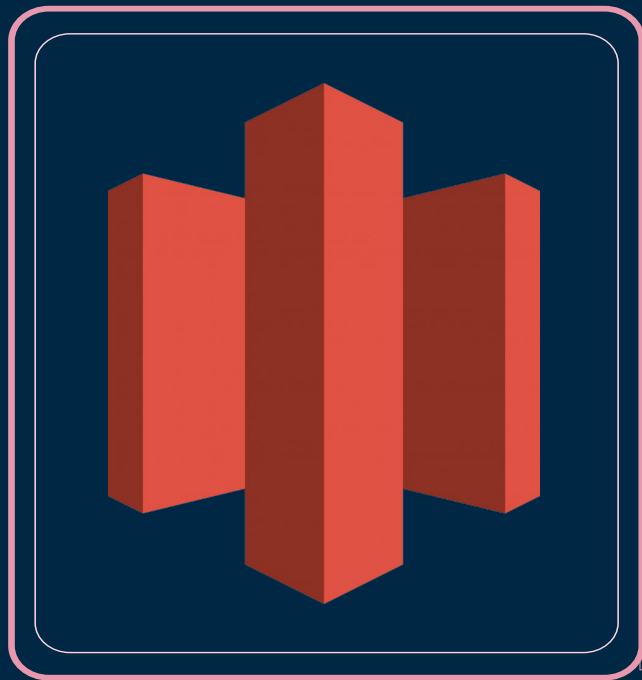
AMAZON EC2 (ELASTIC COMPUTE CLOUD)

- Allows to create virtual machines and manage other features of servers
- Create servers within no time
- Not have to deal with the maintenance of your servers



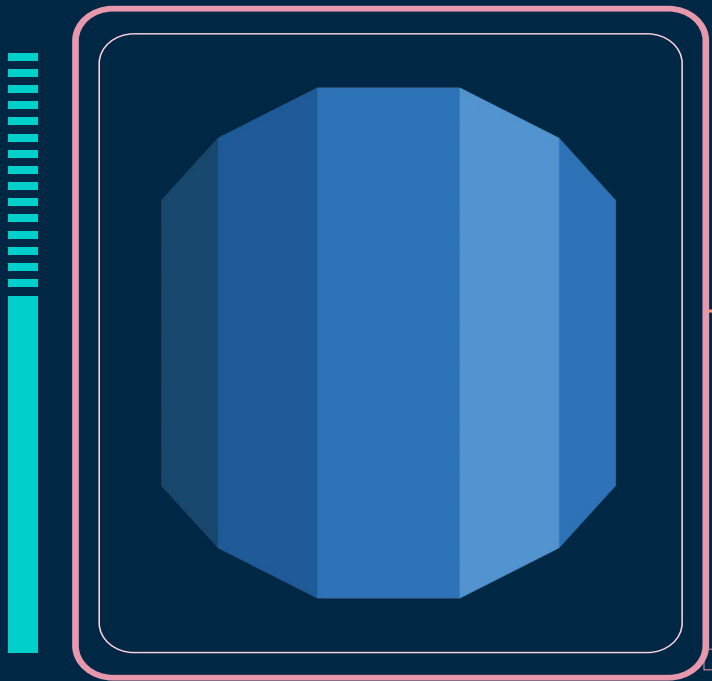
AMAZON S3 (SIMPLE STORAGE SERVICE)

- A reliable, redundant file storage service
- Highly secure infrastructure
- Store data in 3 data centers in a particular region
- Provides integrations to prevent data compromise
- 99.999999999% of durability



AMAZON RDS (RELATIONAL DATABASE SERVICE)

- Make infrastructure less complicated
- Dedicated instances for databases
- Fully managed by the AWS support team
- Capable of supporting multiple database engines



HOSTING WITH AWS

Let's make a simple blog
and deploy it on AWS

03

SOME RESOURCES (THIS IS SLIDE NO.22)

- [Duy's Blog](#)
- [Duy's Blog Repo on Github](#)
- [PuTTY](#) (For Windows Users)
- [S3 Bucket Policy](#)
- [AWS Login with IAM](#)
- [AWS Account](#)

SOME COMMAND LINES (THIS IS SLIDE NO.23)

- `git clone https://github.com/huynhducduy/shecodes-2020-workshop`
- `cd shecodes-2020-workshop`
- `sudo apt-get install mysql-client`
- `mysql -h [endpoint] -u root -p simple_blog < simple_blog.sql`
- `curl -sL https://deb.nodesource.com/setup_12.x -o nodesource_setup.sh`
- `sudo bash nodesource_setup.sh`
- `sudo apt-get install nodejs`
- `npm install`
- `cp .env.example .env`
- `nano .env`

The background is a solid dark blue. It is decorated with various geometric elements: thin white vertical lines of varying lengths, small squares in teal, orange, and pink, and larger squares in teal and pink. The text 'Q & A' is centered in a light pink, serif font.

Q & A

The background is a dark navy blue. It is decorated with various geometric elements: small squares in teal, light pink, and orange, and thin white vertical lines of varying lengths. The text 'THANK YOU' is centered horizontally. The word 'THANK' is in a bold, orange, sans-serif font, and 'YOU' is in a white, sans-serif font.

THANK YOU