



V



Vizle

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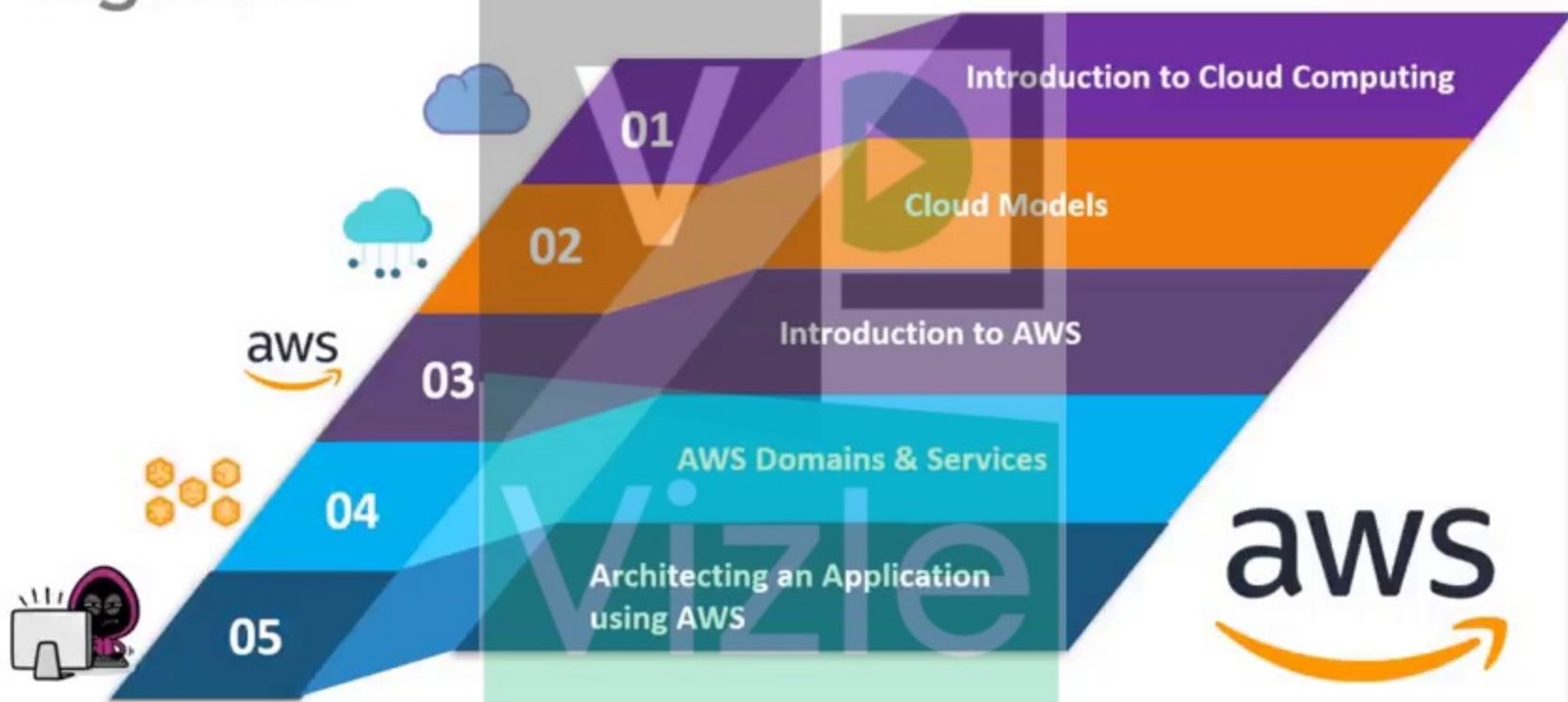


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A large, stylized graphic consisting of a grey 'V' on the left and a green play button icon on the right, both set against a grey background with a white border.

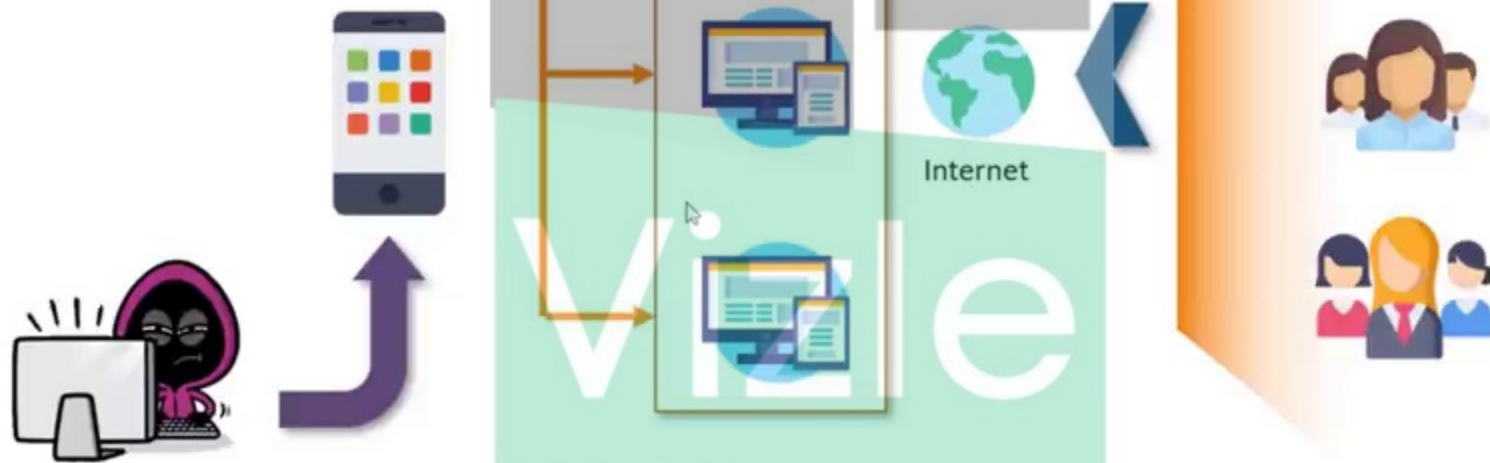
Introduction to Cloud Computing

A large, light green rectangular block containing the word 'Vizle' in white, lowercase letters.

Vizle

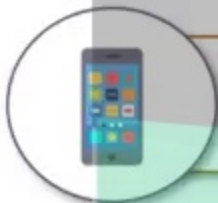
Cloud computing is the practice of using remote servers on the internet for carrying out a task, rather than using our own computers/servers.







Little or no Investment



More focus on app development



Requires Less Workforce



NETFLIX



airbnb

amazon

prime video

Vizle

There are two kinds of models in Cloud Computing:

Deployment Models

Service Models



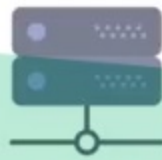
Public Cloud



Private Cloud



Hybrid Cloud



Infrastructure
as a Service



Platform as a
Service



Software as a
Service



Public Cloud



Private Cloud



Hybrid Cloud

Public cloud is defined as computing services offered by third-party providers over the public Internet, making them available to anyone who wants to use or purchase them

Vizie





Infrastructure
as a Service



Platform as a
Service



Software as a
Service

In **Platform as a Service**, one does not get access to the whole Operating System. Rather access is given at a Dashboard level, where a user uploads the data, and the rest is taken care by the cloud provider. Ex. **Elastic Beanstalk**



Vizle



Microsoft
Azure



Vizle
Google Cloud



AWS owns 35% market share



A graphic featuring a stylized stick figure running towards the right. Behind the figure are the letters "V" and "D" in a large, light green font. Below the figure, the word "Vizle" is written in a large, white, sans-serif font on a light green background. Above "Vizle", the text "Inception in 2006" is written in a smaller, dark green font.



More Job Opportunities

Amazon Web Services provides on-demand cloud computing platforms to individuals, companies and governments, on a metered pay-as-you-go basis. It offers services in various domains such as compute, storage, networking etc.

The image shows the AWS logo in dark green lowercase letters above the Vizle logo in white lowercase letters. The Vizle logo features a stylized orange arrow pointing upwards and to the right, similar to the Amazon logo. The logos are set against a light green rectangular background.



Compute



Storage



Database



Security



Management

Customer
EngagementApp
Integration

Vizie



Compute



AWS EC2



Elastic Beanstalk



AWS Lambda



Autoscaling



AWS LoadBalancer



AWS ECR



AWS ECS

Vizle

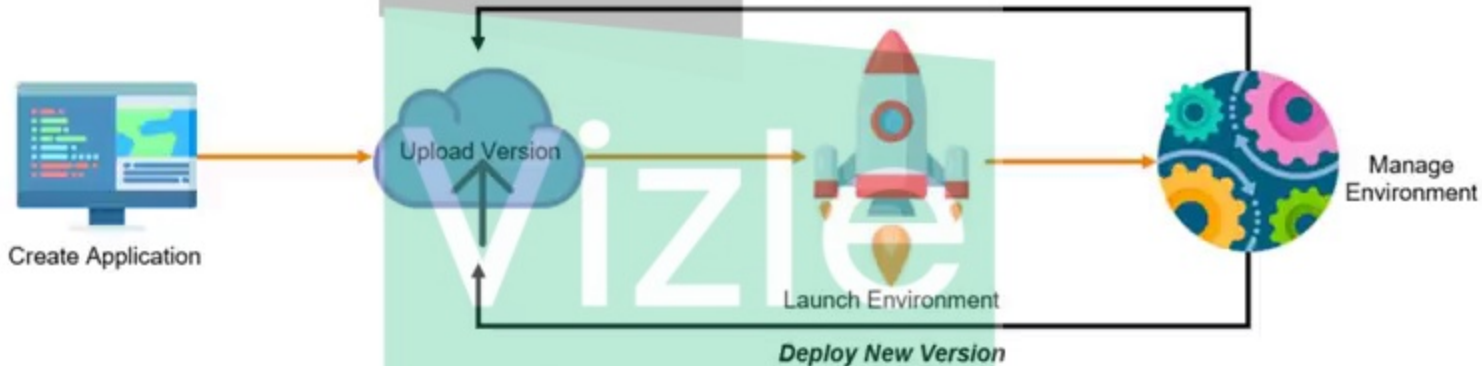


Elastic Compute Cloud is one of the integral parts of the AWS ecosystem. EC2 enables on-demand, scalable computing capacity in the AWS cloud





With **Elastic Beanstalk**, you can quickly deploy and manage applications in the AWS Cloud without having to learn about the infrastructure that runs those applications

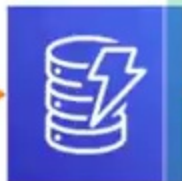




AWS Lambda is a compute service that lets you run code without provisioning or managing servers



Package Order Confirm



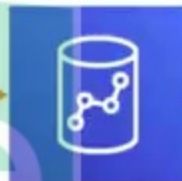
Stored in DynamoDB



Lambda is Triggered



Data Transformation Code Runs



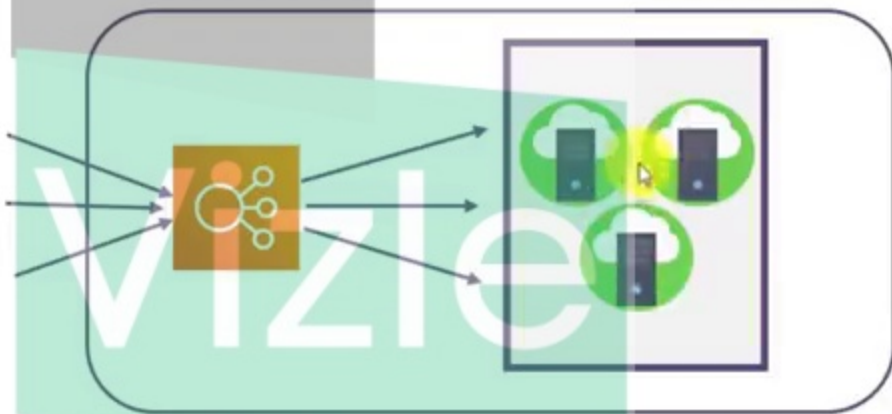
Data loaded into Redshift Warehouse



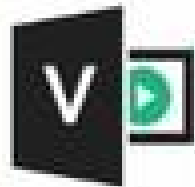
Analytics created from the data collected



Elastic Load Balancing distributes incoming application or network traffic across multiple targets, such as Amazon EC2 instances, containers, and IP addresses, in multiple Availability Zones



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