Web Application Development



Assignment No. 4 (b)

Aim:

Deploy / Host your web application on AMS Upc or
AWS Flastic Beanstalk.

Theory:

- Cloud Computing is the on-demand delivery of IT resources over the internet with pay-as-you-go pricing. Instead of byying owning, and maintailning physical data centres and seners, you can access technology services, such as computing power, storage and databases, on as needed basis from a cloud provider like Amazon Web services.
 - Benefits of Cloud computing =>
 · Agility
 - · Elasticity
 - · cost savings
 - deploy globally in minutes.
 - Types of cloud computing>
 - · Idas (Infenstructure as a Service)
 - · paas (platform de a Service)
 - · Saas Csoftware as a service)
- AWB =>
 · AWS stands for Amazon Web Services



· Amazon Web Services (AMS) is the world's most comprehensive and broadly adopted cloud, offering over 200 fully featured services from data centers globally. Milhons of customers - including the fastest-drowing startups, largest enterprises, and leading government agoncies - are using AMS to lower costs, becomes more agile, and innovate faster.

Amazon Web Services (AMS) is a cloud computing platform that was launched by Amazon in 2006.

AMS was initially designed to support the needs of Amazon's own ecommerce business but was soon made available to other businesses as a way to build, deploy, and scale applications in the dold

- AWB Applications =

i) storage and Backup iii) En Herprise IT in social Networking v) Mobile apps vi) websites

vii) gaming.

1) Netflix. - AWS USE (0388 => ii) McDonald's



+	iii) Airbnb vii) NASA
	IV) Novartis VIII) Facebook
	v) Expedia ix) Bankinter vi) samsung x) Adobe.
	• Creating an AMS account >
	i) open the Amazon Web gervices home page
	i) open the Amazon Web Services home page. ii) Choose create an AWS account
	iii) enter account information and verify email
	address.
	iv) enter verification code & choose verify.
	v) choose Business or personal. vi) Read and accept the Aws customer
	vi) Read and accept the AWS customer
	Agreement vii) choose verify and continue.
	Ovij) choose verity and confinite.
	- Daralarimont -
	• Deployment ⇒ ue can deploy your application using circonsole.
	me cour geptog your approsation and
	1 To deploy your application revision (CLI) console>
	i) deploy your application revision, you need a service ARN. So for that we should have already
	followed the instructions in create a service role
	(console) to create a service role. To get the ARN
	of the service role, 30
	Of the scritte for a

ii) Now, sign in the AWS management Console



and open the codeDeploy console at https://console.aus.

dmaxon.com/codedeploy.

iii) in the navigation pane, expand Deploy, then

choose applications.

iv) choose Hello World App.

v) On the Deployment groups tab, choose create deployment group.

deployment droup.

vi) in delployment group name, enter Helbworld—

Deparoup.

vii) in service Role, choose the name of the service role. service role. viii) In deployment type, choose in-place.

IN) in environment configuration, select Amazon

PC2 instances.

x) in toy, enter Name & in value, enter code Deploy

Domn vi) in deployment confiduration, choose codeDeploy

Default oneAtime.

Xii) in load Balancer, clear enable load balancing

xiii) choose deployment group then create

deployment.

Conclusion => So thus, in this we learnet about the cloud computing, AMS and its deployment process.