26/06/25 SOLUTIONS PRCHITECTURE. - AWS provides services for doing all kinds of things => General Services !-1. Code Pipeline: This will levild rade & can deploy it to various

ANS Serveices. - thanged per pipeline. - lan lee used with Elastic Beanstalk for blue/green doventime deployments. 2.) Elastic Load Balancing: Distributes teaphic across explication servers, such a EC2, Lambda or Fargate. Premium ka Pappa

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	Topic:
-	User health sheeks to Know which
	User health shocks to Know which servers should servere regrest.
-	wasan with his statistic way come come
-	though are based on no of Rows the load balancer runs &
	amount of teasfic it serves.
	and the same of th
3.	RDS: Relational Database Service.
_	The same of the sa
-	Relational Database Rosting platform
- Gr	00 1 +1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
+	thouged in the same way as
(6) (16	set amount of resources).
-	Seever can be resized but
	must be restarted to do so.
, 1	Route 53:
4.	Harman Andrews and harman and har
0-	AWS Damain & DNS
	management.
	AGL Premium

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5.	S3: Dimple Storage bervice.
	THE RESERVE THE PROPERTY OF TH
-	Stores objects in the cloud.
W 17	Phange based on amount of
	Phange based on amount of data stored, how its stored, & Son entrieval.
1000	for relatival.
=>	Application Executors:
wasto	In a market a mandala la marana marana -
-	A jew may of executing
No.	A few ways of executing applications, from seintual machines to container executors,
-	to Sunction executors.
, ]	EC2: Elastic Compute bland.
1.	i to i of hetactore and town
	Scalable virtual servers.
	All Koute 55:
-	Charged on resources of the HAT virtual servers (RAM, CPU, storage)
	per hour.
	ACI <sup>®</sup> Premium
10000	AGL Premium ka Pappa

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2.	Servery can change their resource allocation but must be restarted.
25	Fargate: Run Containerized applications (eg:- Docker Images).
610	the containers (RAM, CPU, storage) & how long it runs for.
-	scalable but requires manual orchestration.
3.	Lambda:
	An application is uploaded to lambda & only executed when triggered
-	Ex:- on HTTP request via S3.
- 10	CANDON OF THE BURNESS OF THE
	Premium ka Pappa

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30-51	Ex: A Lambda instance would run to just service a single HTTP request.
bethe	run to just service a
	single HTTP request.
	MANUAL IN THORAGE LES
-	thouse is leased on amount of
-1.08	memory the Lambda uses, how
9-	long it uses rum for, plus the
	memory the Lambda uses, how long it uses runs for, plus the
4	WAR STONE (ENERGY POLICY POLIC
V -	Data transfer may change
1	depending on which region(s)
	Data transfers may shange depending on which region(s) a lambda is fetching data from
	Latination and property that are all and the
-	Highly scalable up & down.
-	Not suitable for serving static
	sontent.
Josh	ratar matrailine man
4.	Lightsail:
	herenaist.
-	vm's like EC2 leut simpler to
153	set up.
-	though lead on the resources
	of the lightenil VM.
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-	instead the markines must be
110	closed to a new machine instance
1	& restarted.
	SA MITHIE HAROLIN
5.	Elastic Beanstolk:
445	Was many stiller our miles and -
ala.	Load Balancing with simple consiguration & deployment.
wie	Load Balancing with simple
-	configuration & deployment.
5	D'anne advantage capilitates
- 150/1	Crimary advantage sacilitates the autoscaling of Ecz instances
	The amounting of
_	Billing is leased on the
3-	silling is leased on the rombination of ECZ, RDS & ELB used.
191	Deployment is made easy with CII took to use rolling deployments so there is no
2000	CLI took to use holling
	deployments so there is no
so to	donntime.
401	Durante serveral languages like
100	Supports several languages like Extlan, PHP, NodeJS, Inva, GC
	080000
	AGL <sup>°</sup> Premium ka Pappa

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1	Availability zones (AZA):-
30	For extern redundancy,
TO STATE OF THE PARTY OF THE PA	services can be deployed across multiple AZ.
arten	Meanina requests can hall over
	sare of infrastructure failure.
-	thorge: fort of the reverce is
Dasal	of Azis in it.
<b>&gt;</b>	there were few & morthy used services in AWS.
At-	Prising may differ in each region, but method is same
-	ECZ Instance in region A can
-	ECZ Instance in region A can cost more than in region B. but correre on hourly basis. Brising calculator > calculator and
moke.	Premium ka Pappa

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=>	Agahitecture dingram la
	Architecture diagram for a customer (storty):
	23
Pode	Intérnet.
riselin	
7 cy cours	Route 53
	Parted zone.
	C. L. C. D. / Vinetia
	Conte ELB (application deployment. 535) load balancer
	- 1
-	to the sealing gray.
	ECZ-1 ECZ-2 scaling ECZ-1 ECZ-2
	gray.
	PSQL. ODB replication PSQL.
	RDS Postgrusqu Server: Standby RDS AZI PSQL Levrer. AZZ
	53 bucket
	for backups!
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