essage productisting. ce): Decouples and scales microser a hoteron application components

us delivery and deployment of applic

three isolated and rent AZs.), AZ (On se, and other AW

applications. cale data analysis using SQL and exi

atworks through a single gateway, suitable for ork or device to the AWS global network, suitable

AMAZON ECZ OVERVIEW

-- data center || Local Zones -- limited service, keep data in country || AZ -- high throughput, low latency, traffic encrypted, provide all services || PoPA(Points of Presence): reduce latency

with automated outward reposition and intelligent provide units a harport (Country III) mapping and intelligent routing using Amazon CloudFront.

age all) — Application(i, P), Data(i, P), Runtime(i), Middleware(i), OS, Virtualiz development - Build modern applications - Automate operations at web scale

ers) / Lambda (run code) Choices for Compute: EC2 (Virtual serve

rge = 4 - c7gn.2xlarge = 8 - c7gn.xlarge(this one cheaper) vCPU count by 2 to get core count. 3) On Linux, "A" threa instance generation, gn: attribute(s) 3.Memory Opt(R, X, X2, Z1) 4.Accel

: of ECS: Serv on; • Describ n't see the EC2 instances ||| Fargate create server on demand ners) should launch ||| configs: {CPU/Memory, images, port, vol

• SCA 19th Assessment
CONTROL THE CONTROL

of Upgrading OS, agents, etc. - Scaling the instance fleet for optimal utilization
assizing Spalance: - Amazon Linux 2 (ARM64 and X86, 64) - Microsoft Windows Server (2019 Full (X86, 64), 2019 Core (X86, 64), 2022 Full (X86, 64), 2022 Core (X86, 64) |
Constitution (SSE) (SSE, CSE) Agent (ASE) - Yake Robbins (Not Assizing) Not perhaps mode for containers - Wegative assizing mode shows the size is an ENI and 64 per Task
Constitution (SSE) (SSE, CSE) Agent (ASE)

defended as consistent of the Conference of the

ANG manages the control plan-ANG manages the control plan-ANG manages the control plan-ANG manages the control manages to a control manages that a control ma

Steep learning curve

Large community — more support online ||| access to all K8s work

More expensive as you also pay for control plane -Already using or need access for K8s featur -Prioritize open source -Leverage multi-cloud, hybrid cloud solution

Large scale data processing with AWS Step Functions: DYNAMICALLY PROCESS LARGE ARRAYS OF DATA WITH DISTRIBUTED MAP STATE. -Coc objects such as JSDN or CSV files -Up to 10,000 parallel executions -Invoke Lambda or ECS/Fargate for large scale on demand serveriess compute

Use routing for efficient processing

mation (m) and owns summare data types as deep inspection and a privacy regulations, such as outh, Pro-10-5, Corb and ninse. International continuous personal, national, medical lett. [I] as data in an S3 bucket, it performs a deep inspection that factors the file or storage format for the data. Macie can analyze and detect sensitive data in many different formats, including common its (Big Data - Apache Avro object containers and Apache Parquet files Compression or archive -.g., gzlp, latr, zip Document -.dec, docx, pdf, xis, xisr xxtf -.csv, .htm, html, .json, .tsv, .txt,

EC. Caccas Control Little ACL: -- thobours and Outbound-Subnet level inspection (IP inspection - IP Rules only) Optional level of security 49 default, allow all traffs - Stateless 4P and TCP USP port be so Outpy all the end. - IP Rules only. EXAMPLE: ACL can be set for the private subnet which contains MySQL DB Amazon Aurors such that only the EC2 instance under a public subnet can con IPP and other Ports or elegislar or elegislar for contains.

er (Horizontal Scaling) ELB -- • Distrit ally (de)register instances to the ELB b

for Amazon EFS: 1) Low-latency; home directories, DevOps, Applie Amazon EFE categic Keapes the most recent data, you can access or on premisea). Benefits: Fast (accelerate workloads), Agile (use Mindows EFE severy: Fully-amazon difference workloads), Agile (use Windows His servers, offering compatibility with Microsoft Windows His defectors Associated to Decetory: Fast Privilegaes the Microsoft Associated Control of the Microsoft Associated (SSDHDD), - Deployment type flexibility (Single-AZ / Mutti-AZ) - Se

Inflatationals.

Dictionary,
Ped - A film waspper anual one or more coDiscionary,
Ped - A film waspper anual one or more coDiscionary in pulpowers a single instance of
Replace Set - Ensured defined number of por
John - Ensures a grouperly man.

Side - Ensured defined number of por
Label - Reynlates pairs used for seasonable
Label - Label - New Seasonable
Label - Label - Label - Label - New Seasonable
Label - Label - Label - New Seasonable
Label - Label - Label - Label - New Seasonable
Label - Label - Label - Label - Label - New Seasonable
Label - Label - Label - Label - Label - New Seasonable
Label - Labe

-time consuming and complex ||| Scaling Limitations: Horizontally scaling/Sharding requires complex application logic. Cost of high availability. Security updates require downtime || High Operations: Engineers/DBAs need to invest significant effort in with database colorage or availability drops hamn | Time-sense | Looguer yesp | Data accuracy and consistency enforced by the system. Or post | Data accuracy and consistency enforced by the system of Administrator(No need to provision infras properties, and facilities | I post | I post | Data | Dat

nce & scalability (5x throughput of standard MySQL and 3x of standard PostgreSQL; scale-out up to15 read replicas) ||| ous backup to S3) ||| Highly Secure (Network isolation, encryption at rest/transit) ||| Fully Manage (Managed by RDS: no server Bill DynamodS: Fast and flexible NoSQL database service for any scale ng with Amazon Rinesis Data Streams for Amazon DynamoDB. ||| No serv azon OpenSearch Service ||| Enterprise ready: ACID transactions (Atomir -1 Panifol' 1 & 20L compatible query language) support.

ecoupled compute Decoupled compute and storage support independent scaling, Scale to millions of reads using read replicas for its Clusters || Improve productivity and lower total cost of ownership by removing undifferentiated database management tasks || High -wide outages, Built-in security best practices with encryption-in transit and encryption-at rest, Amazon VPC, and AWS KMS ||| Supports

intection service that confinencesly monitors for malicious activity and unauthorized behavior to protect your AWS accounts and workloads. Threat detection using two methods: threat intelligence and risk — Collects logs from data sources then using security analytics it analyzes those logs then if any security related data is found it passes it to Detective services like Amazon Detective, AWS Security etc. Partner integration with Guardfully is available. Guardfully Treat list providers are the third party security firms. Threa are also customer managed threat IP lists. Example: CrowdStrike — Guardfully

pe of non-binary text file)|.

se of non-binary text file||.

se of security data to get to the root cause of potential security issues quickly ||| Anazon EventBridge, Serverless event binary file|

se of non-binary || Mark file||.

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GELGIT APP Multiplayer Session-based Game Hosting on AWS aws proctor

Amazon
Chime SDK
client **PROCTORING** stores student's prohibited Student Amazon SNS Integration EC2 Instance aws AWS Cloud providen mobile applicatio · 🏟 3 custome cancel job Fleet Locatio (us-west-2) leet Home Re (eu-central-Game client communicates directly with your servers

Zon Cloud

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