Read/Write Constantly Changing Data - RDS and Glacier

simplifies relational database administration tasks - RDS

host microsoft sql server database - ec2 and RDS

enable risk auditing by continuously monitoring and logging account activities - CloudTrail

ec2 pricing model allow customers to use existing server bound software software - dedicated hosts

stores objects, real-time access to those objects and versioning and life cycle - S3

aws partner network consulting partners?

MySQL database that scales/grows - Aurora

Shared control between customer and AWS - Awareness and Training

Lowest-cost, durable storage option for retaining database backups for immediate retrieval - S3

IAM feature to access through CLI - SSH Keys

Fast and reliable NoSQL database service - DynamoDB

AWS Agility - Decreased acquisition time for new compute resources

Features of CloudWatch Logs - Real-time monitoring, Adjustable retention

Low-cost option for hosting static websites - S3

Discounts of up to 90% in EC2 instance - Spot Instances

Service to run a customer managed relational database - EC2

Scalable data warehouse solution – Redshift

Better performance than customer managed services – RDS and ElastiCache

Serve large amounts of online video content with lowest possible latency - S3, CloudFront

Unlimited amount of online highly durable object storage - S3

AWS security related services - Data Encryption, Automated penetration testing

Managed service to host databases - RDS

Simple and scalable shared file storage - EFS

key design principle when architecting cloud applications - Provision capacity for peak load

long term, low cost storage for data backups - Glacier

Connect VPC to on-premises data center - Direct Connect

Service enables risk audition by continuously monitoring and logging account activity, including user actions in the aws management console and aws sdks - CloudTrail

Reduce physical compute footprint - Lambda

Provide alerts when an AWS event may impact a company's AWS resources - AWS Personal Health Dashboard

Categories of AWS trusted advisors - Fault tolerance, performance

Software listings from independent software vendors - aws marketplace

Physical isolation of customer workload – Dedicated hosts

Manage infrastructure as a code - CloudFormation

assets, audit and evaluate (change management) the configs of aws resources - AWS config

metrics repository with customizable notification thresholds and channels - CloudWatch

Cloudwatch is basically a metrics repository

services used to deploy an application to services running on-premises - OpsWorks, CodeDeploy

Pricing model adjusts based on supply and demand of EC2 instances - Spot instances

re-architecting a large monolithic application - rely on individual components, design for scalability

minimum support plan that allows one-hour target response time - Business

compliance - artifact

global and regional services - https://jayendrapatil.com/aws-global-vs-regional-vs-az-resources/

manually launch instances based on resource requirements - EC2

granular data about aws bill - aws cost and usage report

cloud architecture design principle - implement loose coupling

storage service that enables on-premises apps to use cloud storage - aws storage gateway

best for storing common database query results - ElastiCache

aws security instructor-led training - online tech talks, classroom training

gather information about aws account activity - cloudtrail, cloudwatch

Free-up company IT resources - patching databases software, running penetration tests

support plan that includes infra. event management without additional costs - business

forecast future costs - costs and usage report or cost explorer API

Risk and Compliance White Paper

aws tco calculator

read about spot instance

need to rapidly deploy a popular IT solution and start using immediately – AWS quick start reference deployments

users pay based on the number of requests and consumed compute resources (example memory) - Lambda

AWS security groups act like a firewall for amazon ec2 instances controlling both inbound and outbound traffic

aws performs infrastructure discovery scans on the customer's behalf

feature that helps amazon rds to create globally redundant databases - snapshots

aws security best practices - trusted advisor

architectural principle when deploying RDS in multiple availability zone - design for failure.

prevents cascading failures between different components - loose coupling

facilitate private hybrid connectivity - direct connect

alert notification when account is approaching a particular dollar amount - budgets

deleted when an instance is stopped or terminated - EC2 instance store

aws managed compute service - lambda

pay for compute capacity by the hour or second, no long-term commitments or upfront payments - on-demand instances

networking connection between two VPCs to route traffic - Amazon VPC peering

software version control - codecommit

secure, fast, effective way to migrate or transport exabyte-scale datasets into aws - Snowmobile

run self managed database - ec2

benefit provided to users with enterprise support - cloud support engineer

DDoS mitigation features - WAF, Cloudfront

automatic detection of objects appearing in pictures - Rekognition

generate alerts based on an estimated monthly bill - cloudwatch

aws manages compliance needs

static website to achieve lower latency and high transfer speeds - cloudfront

manage and automate application deployment on aws - codecommit, data pipeline

managed DDoS protection service - Shield

basic monitoring - Cloudwatch (every 5 mins)

services that provide compute resources - lambda, elastic container service (ecs)

deploy infrastructure as a code by automating the process of provisioning resources - CloudFormation

services that use edge locations - CloudFront, EC2

identifies security groups that allow unrestricted access - Trusted Advisor

configuration management is responsibility is shared between aws and the customer

DDos Attack - contact AWS Abuse Team

Read about reserved instances

global file system, object store - S3

AWS Trusted Advisor - Online tool with set of automated checks that provides recommendations on cost optimization, performance and security.

AWS Cost Explorer - AWS service or feature allows a company to visualize, understand and manage AWS cost and usage over time.

AWS Elastic Beanstalk - handles the deployment details of capacity provisioning, load balancing, Auto Scaling, and Application health monitoring

AWS basic support plan obtain technical assistance - trusted advisor

5 pillars of the framework - Operational excellence, security, reliability, performance efficiency, cost optimization

secure application and block the malicious traffic - WAF

query stored datasets directly from s3 using standard sql - Athena

model and provision resources - CloudFormation

AWS data warehouse service - Redshift

automated security assessment service, assess apps for exposure, vulnerabilities and deviations from best practices - Inspector

recognizes and classifies sensitive data or intellectual property of aws - Macie

to use aws cli, users are required to generate - managed policy

provide encryption for EBS - KMS

MarketPlace - Sell solutions to other aws users, buy third-party software that run on aws.

report that aws resources are being used for malicious purposes - AWS abuse team

track all user account changes within the aws management console - CloudTrail

answering billing and account inquires - enterprise support concierge team

most effective way to reduce computing costs for a growing start-up company – aws provides on-demand resources for peak usage.

Support plan that provides full set of Trusted advisor checks – business and basic support

Catalog of aws-recognized providers of third-party security solutions – aws service catalog

Quick and automated way to create and manage aws accounts – organizations

Aws cloud design best practice – tight coupling of components

Concierge – answering billing and accounting

Enhance the security of access to the aws management console – secrets manager, MFA

Create and manage aws access keys for an aws account iam user – KMS