AWS Services & features

[Analytics

Amozon Athena! - Serverless service used to analyze data directly in S3 using SEL queries

- * Amazon Elasticsearch: Free and opensource search engine for data like text, numerical, structured & unstructured.
- a Amazon kinesis! Realtime docta streaming service captures GB's of data from websites.
- Amazon auicksignt 2- Cloud native, servellers, BI tool
 used to build visualisations,
 perform ad-hoc appearalysis,
 business insights etc.

Application Integration

- * Amazon SNs: Serverless notification service that
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 to subscribers.
- Afroazon S&S = Used to de-couple serverles apps

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Compute & Serverles .

> Aws batch: - plans, schedules and executes batch
computing workloads across full range
a aws compute services & features.

(IAMS) (Server) compute capacity in Aus cloud.

+ thus Elastic Beanstalk 1 - service used to quickly deploys

scale and manage applications in

(PAAS)

ANS cloud.

Alus lambda: - Servelless computing service allows (function) users to run code as functions without managing any servers.

Amazon Light sails - Lightweight VPS server that can configure as ECZ.

No need to configure as ECZ.

Amazon horkspaces - fully managed desktop is stockization service for undows & Linux. (Moud desktop service) (Inbuiltas)

A Amazon Elastic container Service !- Regional & docker supposed (container saling service) services that allows were to manage and scal containers.

Exes service) Kubernetes apper in Aus cloud on-provision

Aws forgote! - Serverles compute services und by

Databasesen

* Amazon Aurora 1 - Sal E. Postgresal, (Relational dostabare)

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* Pengomance oriented seevice

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* Amazon DynamoDB!, - Serverless NOSEL doublese service.

Key: volue palameters.

Nulti region cloud service.

* Amazon Clartic cache! - web service used to manage and run are in memory data stores poolis and Memosphad in the cloud.

a used for reading bear read- heavy

+ Garring apps.

softmazon RDS: Database service used to build and operate relational databases in this cloud. [SAL, 10 Postone SAL]

(Analytical tool) used to some complex analysis

Developed tooks

* Aws Codebuild! - Continuos integration service used to complie source code, run tests, and build packages for deplayment.

po Alus code commit! - Version control service of private respositions in Alus cloud. (Git cloud)

A trus codedeploya - Helps to automate app deployments to

potive codepipeline: - Continues delivery service helps to fast colores pipelines for fast and reliable applications software

Aws code Aze: - Dashboadd relps to quickly develop,

Cotlob tool

(otlob tool

Cotlob tool

Contomer Engaugement 1-

A Amazon (annet) - Customer support services

Management / Monitoring & Governance]

A AWS Anto Calings - Monitors apps a automatically adjust a flower and E maintain, permiserure at lower and a maintain confloreds.

(create alect when we carecard for exactly to carried from the carried fro

Themplate used to created god party affects of started all deba stated by started aster assets assets on the same of the bushed a securce.

Aus Cloud trail - Monitoring tool, which monitous & records account activity and account our alors Infra Circi control one storast januarys att.

& Simply a monitoring services for Aws suscerness

A Record API Activity on our news account

flus & Cloudwatch: - service that monitors based on multiple nutrics of flus & on-premise recovers a lead time lass, metrics & event data in dadressely

Aprounce menoury in Alors account allows users to distribute an Approve menours on Alors account

* confightishing a Helps to asso, and the evaluate the schange compies an relationships of resources

A AWS (18st & Usase Report - tracks aws usase and provide estimated changes of our account

* sends reports to our s3 bucket

* Metadata about thus resources,

pricing, revenued mosterness, and

sampa plans.

Amazon Eventbridge/ Cloudwatch events to connect - applications

sopus License Managus - Marego software licenses from vandors. (MS, 8PP, Oracle)

A Arus Managed Services: - Set of services and took that automate . I'n prastructure management task of the Arus deployments.

multiple thus accounts from to a single organization.

* thus secrets manage! - Helps to manage; retrieve & rotate database credentials , API Keys, and other secrets.

a changes keys specializedly

operational dots wing multiple service allows users to group operational dots wing multiple services and persons on the services of the servic

* Aws systems manager parameter stone; -

provide senue storage & ment of secrets.

is Aws Trusted Advisor in five recommendation to tollow Aws but practices.

* Helps to do Aws best practices.

Metworking & content delivery -

Amazon API Godeway 1- Noventures & Secures API's at any scale.

+ Used to create, publish, monitor, & secure

* Amozon Cloudinant! - Content delivery network that securely delivers any data to custines with kon latency, low returnes transports.

4 Uses edge locations.

A MWS direct Connect !- Holps to connect from on-premises
to one of more upo's in Alus
within some region.

Antimazon Roube 531 Domain name system where by DNG]

Thelps users to cornect any server by DNG

a Amazon UPL: - Allows users to create virtual
Achicated retroople for resources.
A public x private a UPN only

Security, Identity & Compliance

A Aris Artifact 1- Our go-to, central resource for compliance related information that matter to us provides security report of an user of fact lossy, pass charsed eta-

A Alus Ceetificate Managel - Allows user to protect Ads apps by storing, renewing public Eprivale SSL | TLS x 509 ceetificates.

s Gonesate keys via headware devices.

& Amazon Cognita! - service used for authoritication,
autorisation à uses night for net à mobile

and quickly identify the root camp of suspicious a thin tree .

* Amorzon Gaurdowty: Threat defaction service that continuously monitors for malicious actions and ungularised behavious to protect Aus accounts, ecc. 153, DBs

* IAMB: - Used to define punissions and marest.

Users to access multi account thus sension.

A policies & groups, & lears & roles.

* Amazon Inspector - Continuosly scans Aws workloads for software vulnuabilities. E unintended nations.

* AWS License Manager: Manager software licenson from

+ Amazen Macie! - Data scurity scrure that wen ML
to proket the data I sensitive data
(wirely y patters matter & ML)

on Aws shield: Dos protection service scule gowers opper

AWS Web app (meal) - property from but attacks caplosts.

The result of the second of th

(storage)
s mus Backup! Automates & governs databackup in

the muss cloud.

a AMazon EBS-1. provides block level storage Elastic blockstorax. drive to store pusistant data.

Felastic file sys) & Linux based workloads/apps

by Petrobyte shrane

by Ceepul for low laterey whilecob

; + S3 ! - Object storage (Global service)

A S3 Glade, I long teem archive data, chap data retined.

A Aus Showball edge in Device with on-baard strong

and compute power.

+ Aus storage galeway! - Virtual devia installed as a hyposissor - and to integrate with hyposissor sources.

* Ams lex; - At bot can manage deploy, build tros
* Fix + should file strange service.

Key toots; techs, and concepts:

Cost explosed, lets us visualize, undustrand, and one cost explosed, lets us visualize, undustrand, and on

Cost E usase report. provides estimated changes and tracks

CLI :- Command line Interpret.

Clastic load balancers: - Automatically distribute the work

clastic load balancers: - pood on multiple instances.

On-demand; - xpshost-term, unknown workloads.

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Remereld - long running workleads, a predictible wayse

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The chosen from and uppoint (NURI)

bedicated - " hardware dedicated to a single used.

s other customer court shows bardware

Dedicated hasts: - A takale physical server alloted for as