

Using the earnings CSV as a base, prepare a new data file with employees' office locations. Make sure there are 5-6 distinct locations that are shared between employees.

Create a Glue job that aggregates the data based on the office location to calculate average salaries and raise percentages for these locations.

Created Bucket with Name khan –glue

Gmail

YouTube

Maps

aws

Services

Search

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Amazon S3

>

Buckets

Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

Buckets (3)

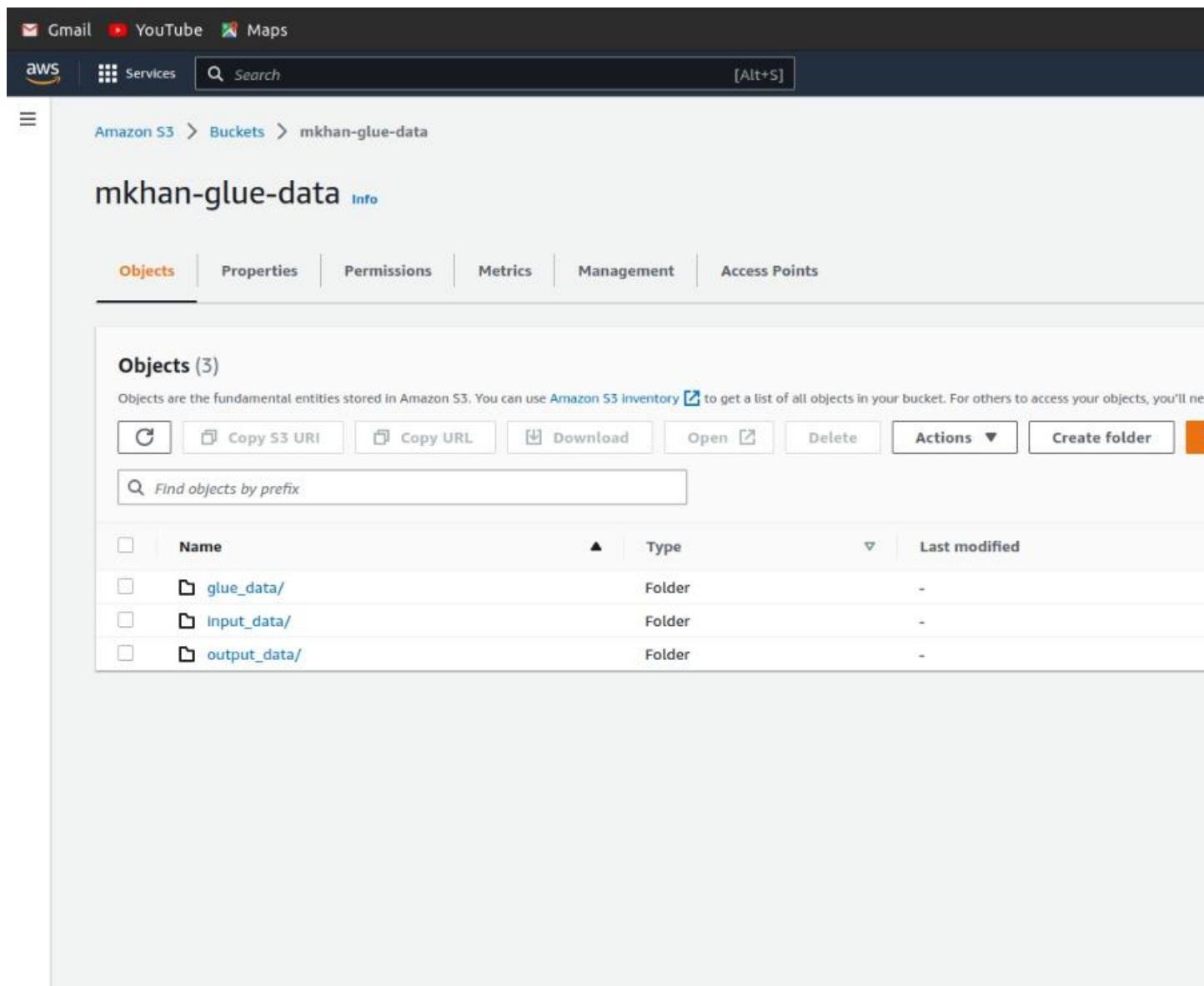
Info

Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

	Name	AWS Region
<input type="radio"/>	aws-glue-assets-590492409205-us-east-1	US East (N. Virginia) us-east-1
<input type="radio"/>	mkhan-glue-data	Asia Pacific (Sydney) ap-southeast-2
<input type="radio"/>	xloop-khan-test	Asia Pacific (Sydney) ap-southeast-2

Added three folders with all relevant data

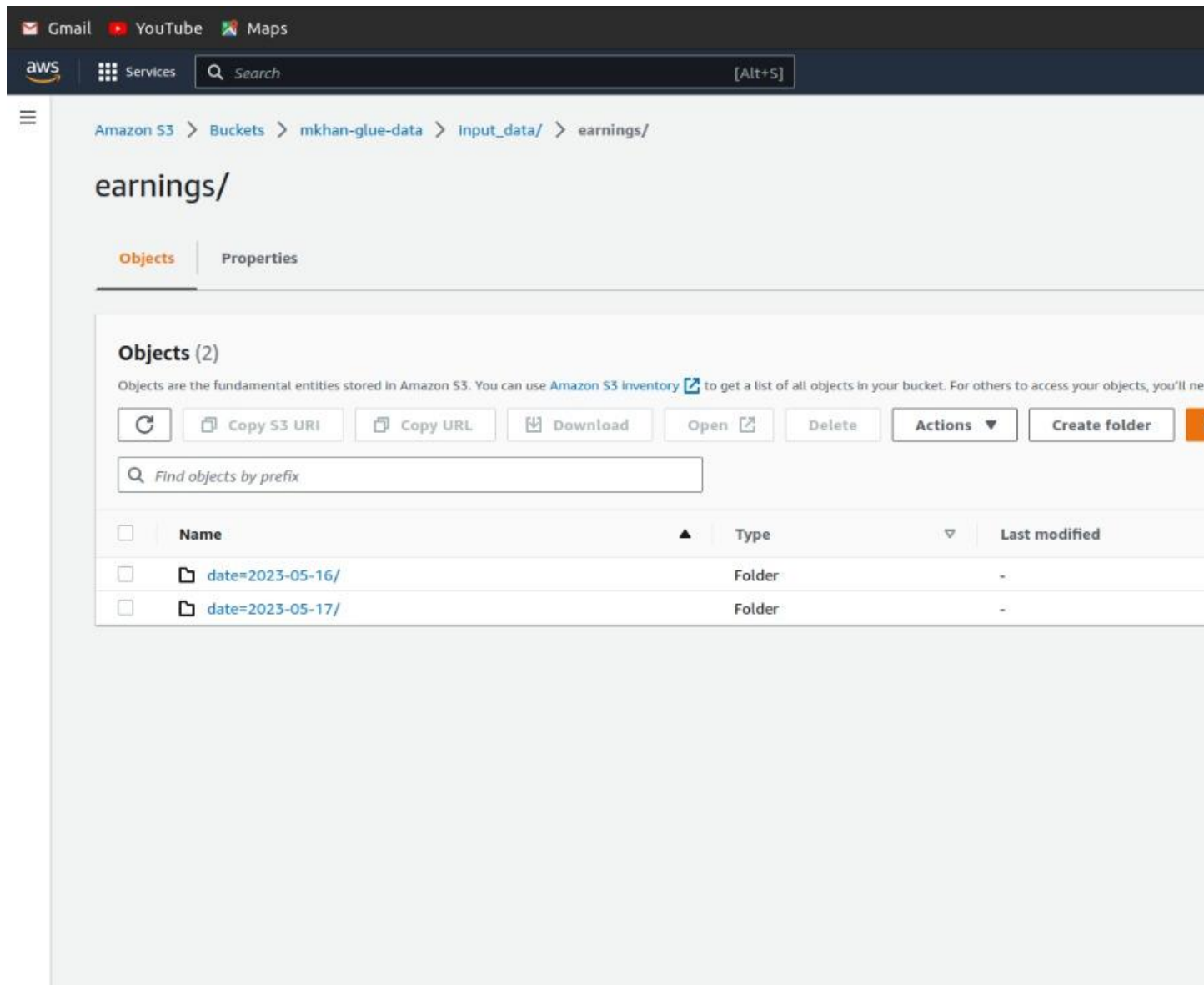


Inside input folder

Created two other folders namely

Date = 2023-06-16

Date = 2023-06-17



Created DBS database Named “mkhan-emlopyees-db”

Gmail

YouTube

Maps

aws

Services

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RDS

>

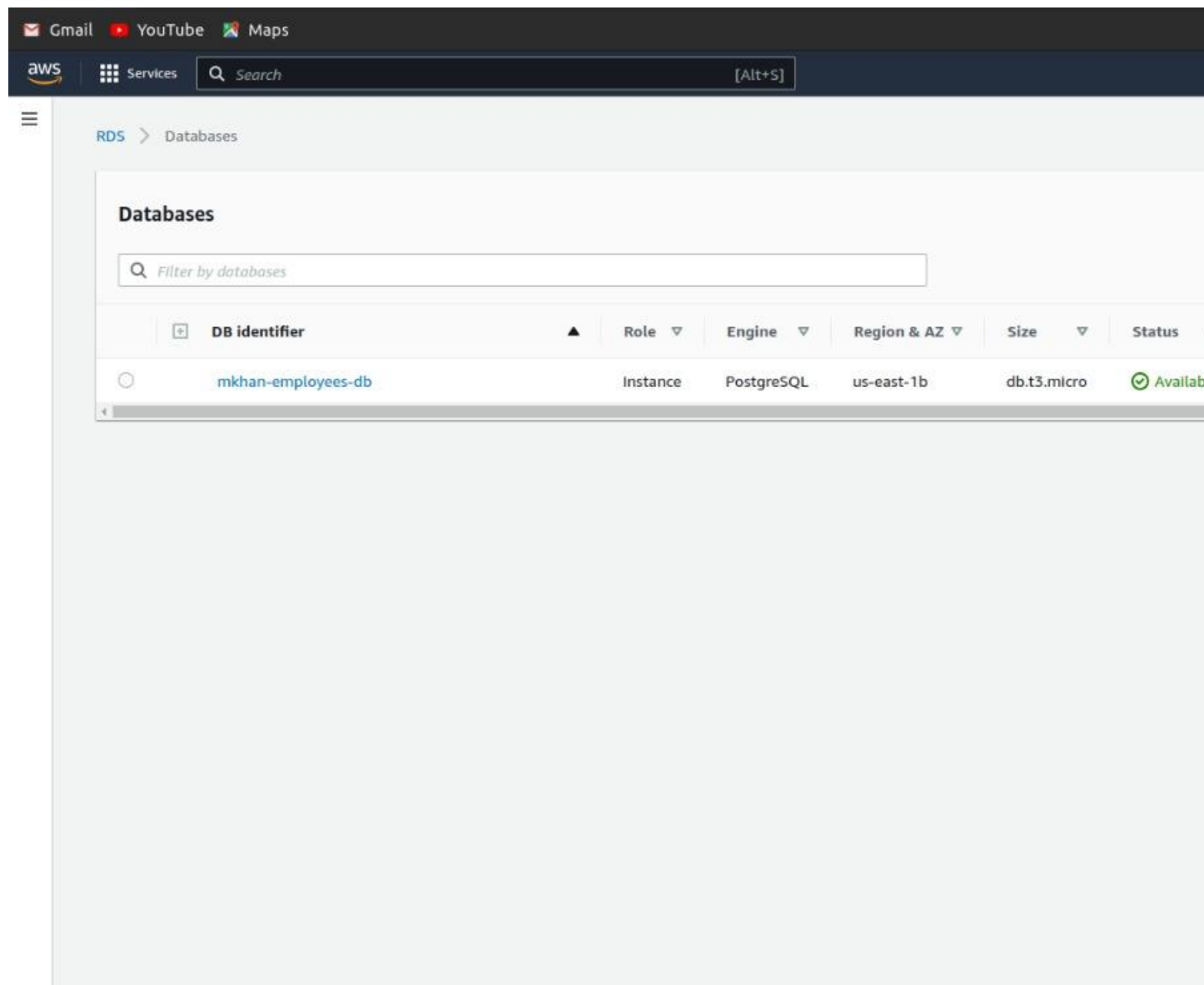
Databases

Databases

Filter by databases

<div><div></div><div></div></div>	DB identifier	Role	Engine	Region & AZ	Size	Status
<div><div></div></div>	mkhan-employees-db	Instance	PostgreSQL	us-east-1b	db.t3.micro	<div><div></div><div>Available</div></div>

DB details



Created IAM role rules for S3 and glue access

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aws

Services

Search

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IAM

>

Roles

>

mkhan-glue-role

mkhan-glue-role

Allows Glue to call AWS services on your behalf.

Summary

Creation date

May 16, 2023, 14:43 (UTC+05:00)

Last activity

17 minutes ago

ARN

arn:aws:iam::5

Maximum session duration

1 hour

Permissions

Trust relationships

Tags

Access Advisor

Revoke sessions

Permissions policies (2)

Info

You can attach up to 10 managed policies.

Filter policies by property or policy name and press enter.

Policy name

Type

AmazonS3FullAccess

AWS managed

AWSGlueServiceRole

AWS managed

Permissions boundary - (not set)

Info

Set a permissions boundary to control the maximum permissions this role can have. This is not a common setting but can be used to delegate permission management to others.

VPC Created

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Maps

aws

Services

Search

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VPC dashboard

EC2 Global View

Filter by VPC:

Select a VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only Internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Endpoint services

NAT gateways

Peering connections

Security

DNS firewall

Rule groups

Domain lists

Your VPCs (1)

Info

Filter VPCs

	Name	VPC ID	State	IPv4 CIDR
<input type="checkbox"/>	-	vpc-04043d24056e60953	Available	172.31.0.0/16

Select a VPC above

VPC Configuration

Gmail

YouTube

Maps

aws

Services

Search

[Alt+S]

VPC > Your VPCs > vpc-04043d24056e60953

vpc-04043d24056e60953

Details

Info

VPC ID

vpc-04043d24056e60953

Tenancy

Default

Default VPC

Yes

Network Address Usage metrics

Disabled

State

Available

DHCP option set

dopt-03cd535bec4d26d00

IPv4 CIDR

172.31.0.0/16

Route 53 Resolver DNS Firewall rule groups

-

DNS hostnames

Enabled

Main route table

rtb-09c609ef52d58e53f

IPv6 pool

-

Owner ID

59049240920

Resource map

New

CIDRs

Flow logs

Tags

Resource map

Info

VPC

Show details

Your AWS virtual network

vpc-04043d24056e60953

Subnets (6)

Subnets within this VPC

us-east-1a

subnet-024ef596e5c79b649

us-east-1b

subnet-0c584ae13a0c2789b

us-east-1c

Route tables (1)

Route network traffic to resources

rtb-09c609ef52d58e53f

Introducing the VPC resource map

Solid lines represent relationships between resources

Created crawlers and they started running successfully



Raise percentage



Amazon S3



Buckets

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight 3

AWS Marketplace for S3

Amazon S3 > Buckets > mkhan-glue-data > output_data/

output_data/

Objects

Properties

Objects (5)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 Inventory](#) to get a list of all objects in your bucket.



Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Find objects by prefix

<input type="checkbox"/>	Name	Type
<input type="checkbox"/>	run-1684324733853-part-block-0-r-00002-snappy.parquet	parquet
<input type="checkbox"/>	run-1684324733853-part-block-0-r-00014-snappy.parquet	parquet
<input type="checkbox"/>	run-1684324733853-part-block-0-r-00021-snappy.parquet	parquet
<input type="checkbox"/>	run-1684324733853-part-block-0-r-00025-snappy.parquet	parquet
<input type="checkbox"/>	run-1684324733853-part-block-0-r-00031-snappy.parquet	parquet