

## Task 2

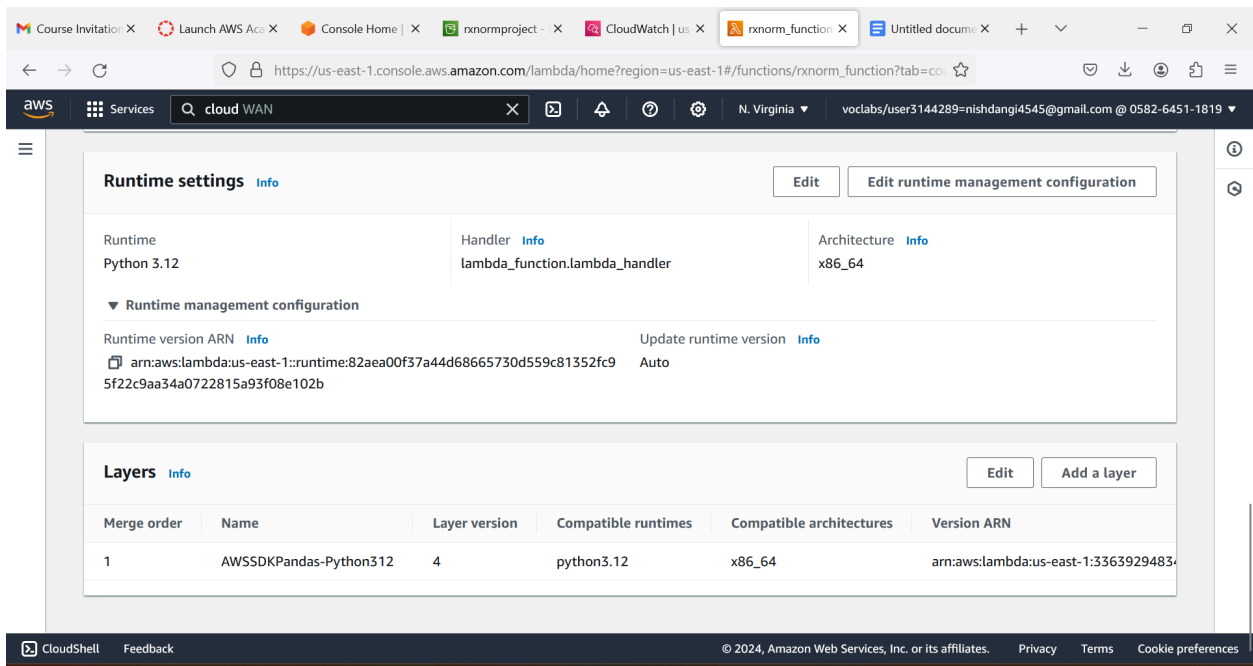
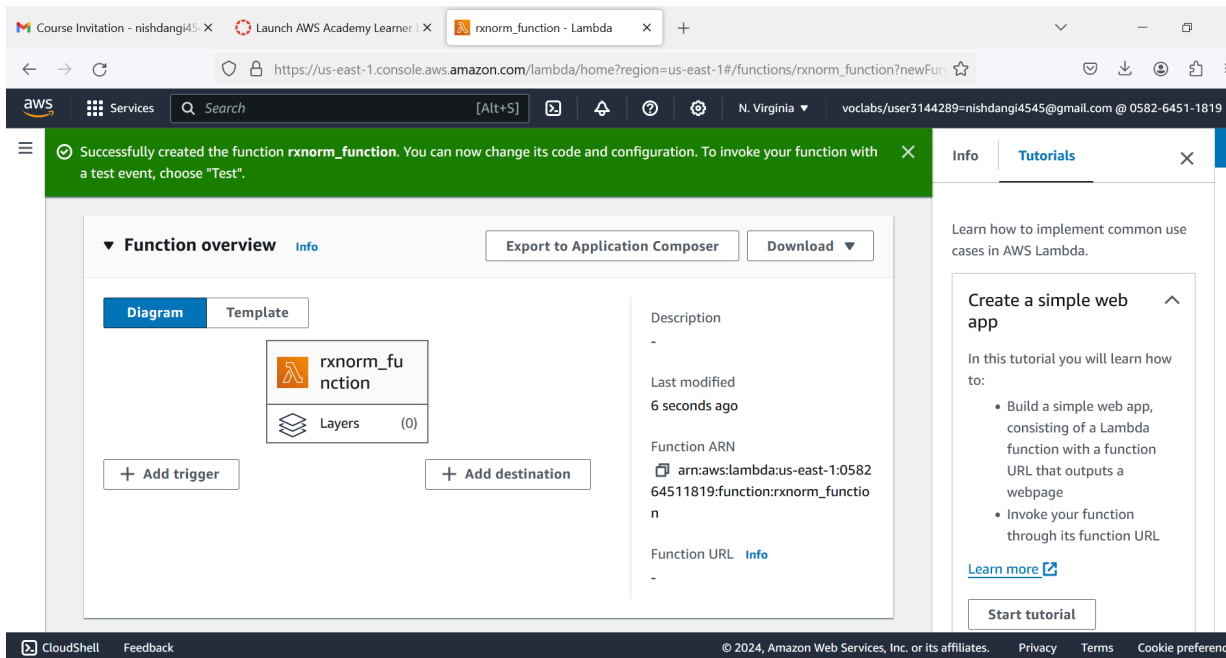
1. Create a log file for the downloaded file
2. Add header into each rff from RXNORM.xlsx
3. Add CODE\_SET & VERSION\_MONTH column with default values RxNorm and version month from downloaded filename
4. Convert dates into YYYY-MM-DD
5. Save files as txt delimited by comma
6. Validate row\_count between original and converted files

We start by creating a bucket. Then, we create two folders for excel file and zipped files.

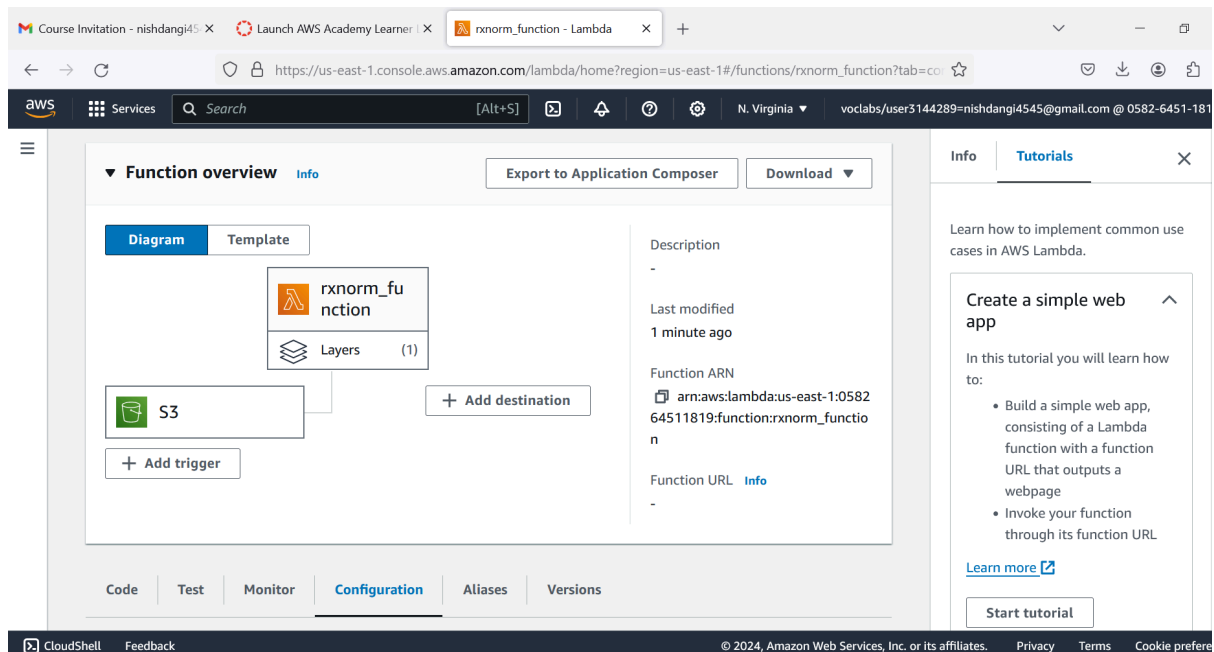
The screenshot shows the AWS S3 console interface for a bucket named 'rxnormproject'. A green notification bar at the top states 'Successfully created folder "excelfiles"'. The 'Objects' tab is selected, showing a list of two folders: 'excelfiles/' and 'zipfiles/'. The interface includes a search bar, a table of objects, and various action buttons like 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', 'Actions', 'Create folder', and 'Upload'.

	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	excelfiles/	Folder	-	-	-
<input type="checkbox"/>	zipfiles/	Folder	-	-	-

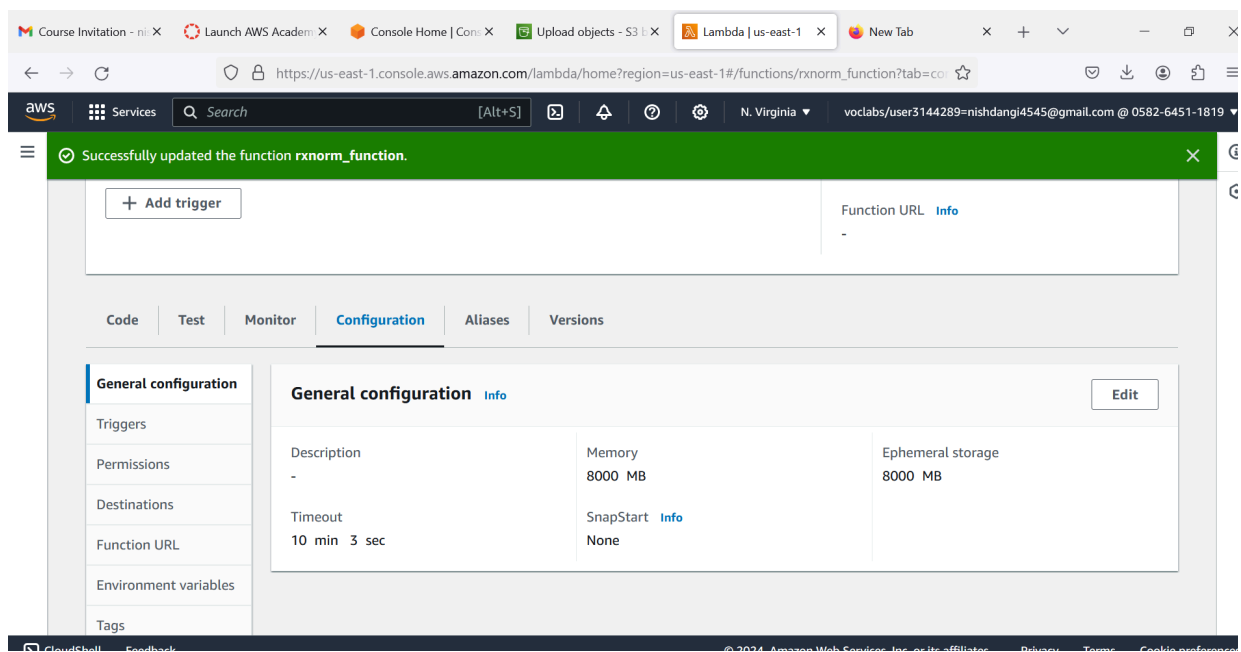
We create a new lambda function and add a layer to it.



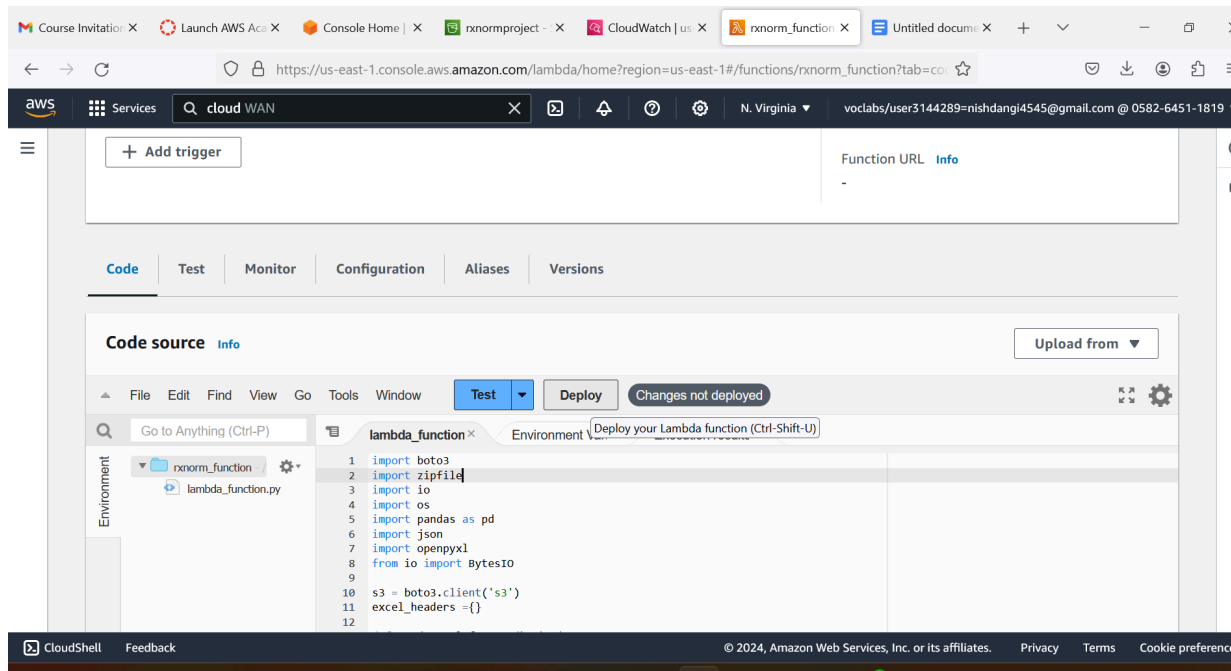
Then we add a trigger.



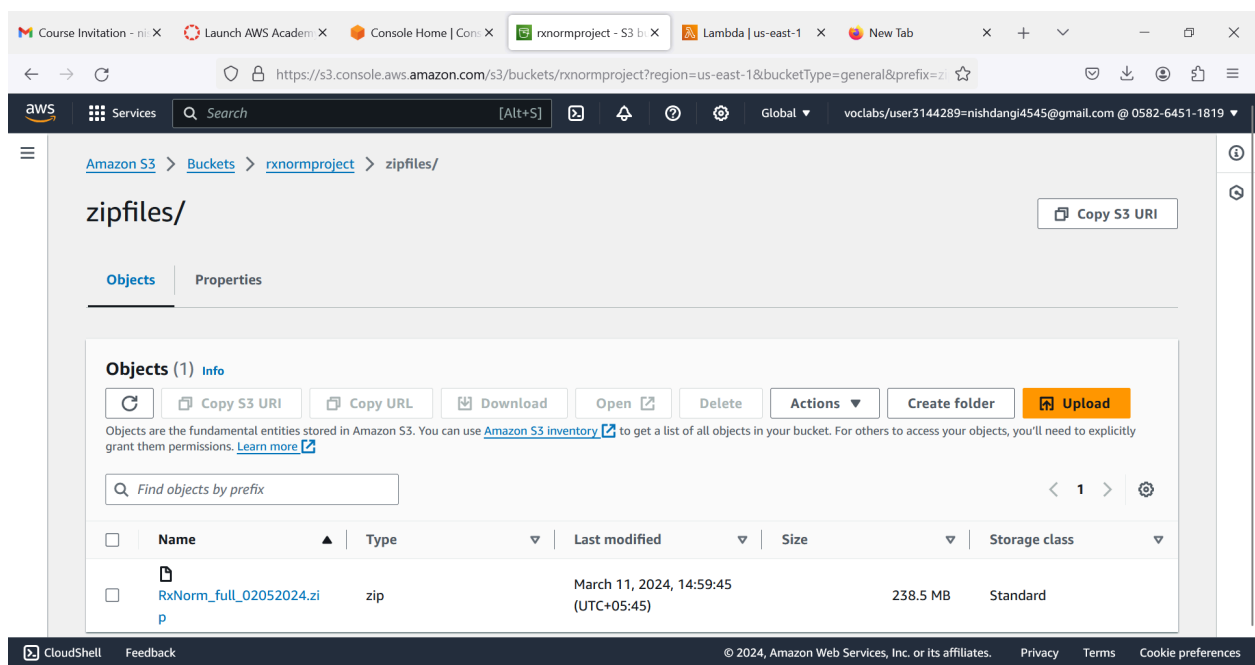
Setting memory to 8000 MB and time to 10 minutes.

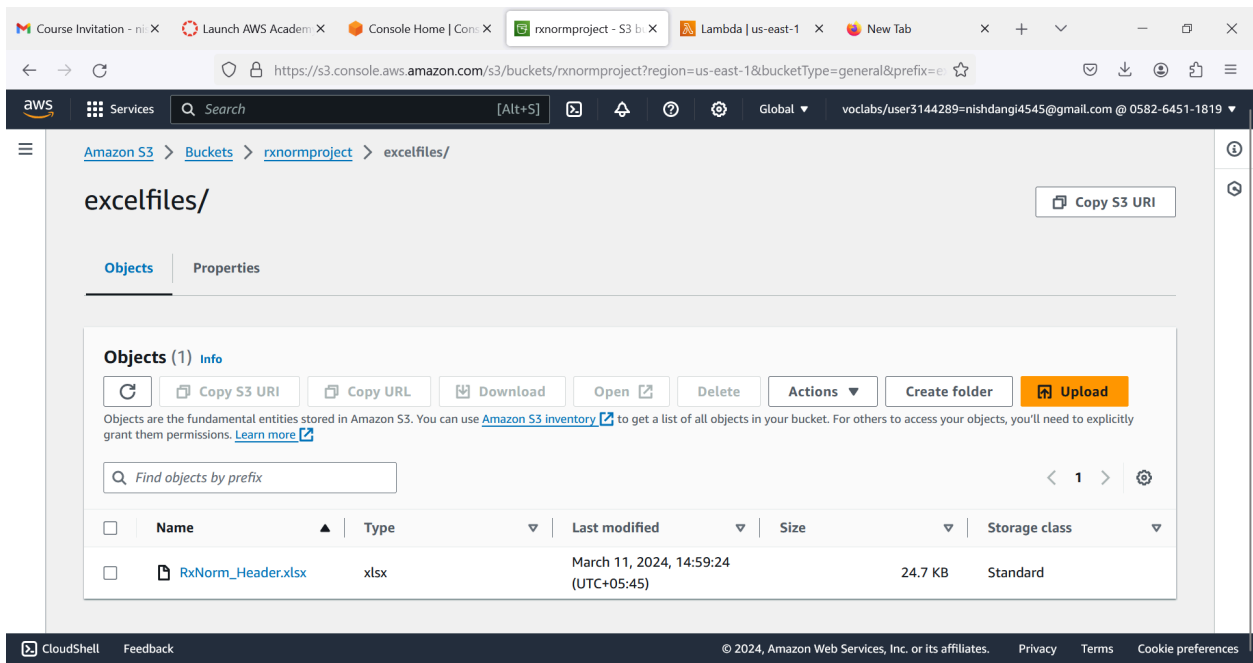


Then, we upload code in the code section and deploy it.

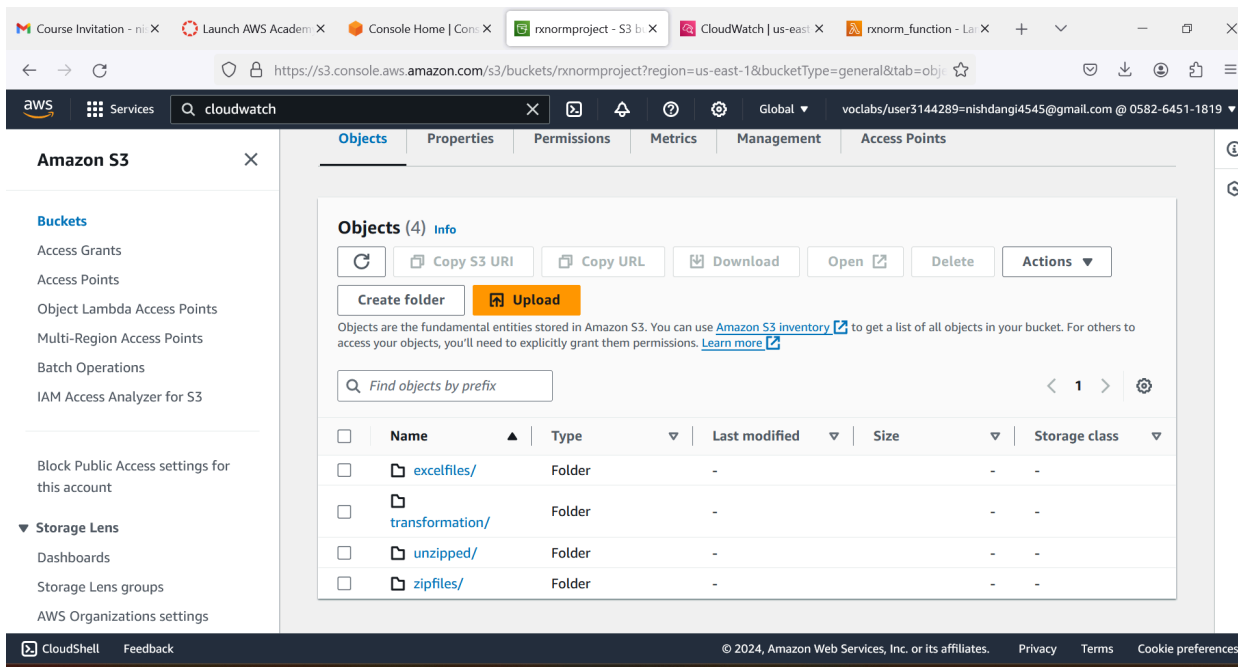


Then, we upload files inside both the folders.





We can see that two folders have been created.



Then, to see the transformation, click on Query with S3 Select.

The screenshot shows the AWS S3 console interface. The breadcrumb navigation is: Amazon S3 > Buckets > rxnormproject > transformation/ > RXNATOMARCHIVE.csv. The object name is RXNATOMARCHIVE.csv. The 'Object actions' menu is open, showing options like Download as, Share with a presigned URL, Calculate total size, Copy, Move, Initiate restore, Query with S3 Select (highlighted), Edit actions, Rename object, Edit storage class, Edit server-side encryption, and Edit metadata. The 'Object overview' section shows the owner as awslabsc0w7403252t1709162470, the AWS Region as US East (N. Virginia) us-east-1, and the last modified date as March 11, 2024, 15:18:43 (UTC+05:45).

Transformed file:

The screenshot shows the AWS S3 console interface with the 'Query object with S3 Select' results. The breadcrumb navigation is: Amazon S3 > Buckets > rxnormproject > object/select?region=us-east-1&bucketType=gen. The results are displayed in a table with columns VCU, RCU, VSAB, RSAB, and SON. The table contains 15 rows of data.

VCUI	RCUI	VSAB	RSAB	SON
C5233827	C1140218	MMSL_2024_01_01	MMSL	Multum MediSource Lexicon
C5233830	C1140182	MMX_2024_01_02	MMX	Micromedex RED BOOK
C5233828	C1140261	NDDF_2024_01_03	NDDF	FDB MedKnowledge (formerly NDDF P
C5233835	C1140284	RXNORM_20AA_240205F	RXNORM	RxNorm Vocabulary
C3531723	C2720507	SNOMEDCT_US_2023_06_30	SNOMEDCT_US	US Edition of SNOMED CT
C5233837	C1140288	VANDF_2023_12_29	VANDF	Veterans Health Administration Nation
C5233836	C1812643	MTHSPL_2024_01_27	MTHSPL	Metathesaurus FDA Structured Produc
C5233833	C1876239	GS_2024_01_05	GS	Gold Standard Drug Database
C5233831	C4722517	ATC_2024_01_19	ATC	Anatomical Therapeutic Chemical Clas
C5233832	C3539983	CVX_2024_01_08	CVX	Vaccines Administered
C5233829	C3858951	MTHCMSFRF_2020	MTHCMSFRF	Metathesaurus CMS Formulary Referer
C5233838	C4255544	DRUGBANKS.0_2024_01_04	DRUGBANK	DrugBank
C5233834	C4554231	USP_2024_01_08	USP	USP Compendial Nomenclature

Date in YYYY-MM-DD format.

Amazon S3

Buckets

Access Grants

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

Storage Lens groups

AWS Organizations settings

Raw

Formatted

STAMP	CREATED_TIMESTAMP	UPDATED_TIMESTAMP	CODE	IS_BRAND	LAT	LAST_RELEASED
	2005-03-10	2020-04-27	44		ENG	2020-04-06
	2005-03-10	2020-04-27	61		ENG	2020-04-06
	2005-03-10	2020-04-27	74		ENG	2020-04-06
	2005-03-10	2020-04-27	90		ENG	2020-04-06
	2005-03-10	2020-11-06	94		ENG	2020-04-06
	2005-03-10	2020-04-27	97		ENG	2020-04-06
	2005-03-10	2020-04-27	99		ENG	2020-04-06
	2005-03-10	2010-10-21	103		ENG	2010-10-04
	2005-03-10	2020-04-27	110		ENG	2020-04-06
	2005-03-10	2020-04-27	149		ENG	2020-04-06
	2005-03-10	2020-04-27	154		ENG	2020-04-06

CloudShell

Feedback

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Privacy

Terms

Cookie preferences

Row counts before and after:

Log groups

Log Anomalies

Live Tail

Logs Insights

Log groups

Log Anomalies

Live Tail

Logs Insights

Alarms 0 0 0 0

Logs

Log groups

▶ 2024-03-11T15:20:56.798+05:45

Row count before transformation: 461874

▶ 2024-03-11T15:20:56.799+05:45

Version month: 2024-02-05

▶ 2024-03-11T15:20:56.803+05:45

Row count of RXNSTY after transformation: 461874

▶ 2024-03-11T15:20:14.825+05:45

Row count before transformation: 7222404

▶ 2024-03-11T15:20:14.825+05:45

Version month: 2024-02-05

▶ 2024-03-11T15:20:14.892+05:45

Row count of RXNSAT after transformation: 7222404

▶ 2024-03-11T15:20:02.148+05:45

Row count before transformation: 13

▶ 2024-03-11T15:20:02.154+05:45

Version month: 2024-02-05

▶ 2024-03-11T15:20:02.154+05:45

Row count of RXNSAB after transformation: 13