Task-1: Exploring Aws cloudeheld

- * open would shell
- * aws -- version
- * aws s3 ls
- * From actions split into columns
- * Download and upload file
- * cat flename.py.
- * python filename.py -> returns bucket name. * copying file from cloud shell to bucket → aus 13 cp filename.py 13:// bucketname

Tasks. Greating an Aws cloudy instance.

- + search cloud q instance.
- * select + create environment
- * Enter name, Eco enetance, additional instance.
- * In network settings chaose es4.
- or create a open

Task 3: Exploring the Acus doud 9 IDE.

- * bloserve IDE user interjace.
- * aws & b
- * aws s3 cp s3:11 bucket name / filename. py → list of buckets & shown
- * Open the file and run
- * sudo pips install botos
- + vun agouin
- * Greate new HTML fele
- * choose region for Aws explorer
- * upload html file

Task-1: Connecting to the Aws cloud 9 IDE and configuring environment

dates a more tellud

THE PLANT PILE CANADI

- * Search cloud9
- * clouda instance open
- * sudo pip install botos
- * Download files wget https://
- * unsip wate-sip
- * aws -- version

Task-2: Creaking S3 bucket

- * aws so api create bucket -- bucket bucket-name -- region.
- * S3 access & permissions.
- * Deselect block all public access
 - . Block public acress to buckets & objects granted through new access central files
 - · Black public access to buckets & objects granted through any access control files
 - . Block public and cros count access to bucket & objects.
 - save.

Task-3: setting bucket policy

- * aws clouds
- + instance
- * new file + filerame. json save
- * Posts the given code ento goon file
- * Replace bucket name & &p addres save
- * in python directory open permissions
- * Replace bucket name save
- + cd python3
 python3 permissions.py

Task-4: Uploading objects to bucket to create website. + aus s3 cp. 1 resources/website s3:1/ bucket name 1.... Task-S: Testing access to website Finally Ho * load website art - paren that * bucket name -> objects some linear gip above t * index. html - copy object usl . will bound on y * paste in browser and specifically and or Try to access from outside network. There gives " * click login to check if it is courting. Mary - Asir m Task-6: Analyzing code swin is principle is new to * Woud 9 18 18 - South of the state of the s taked -- taked these years sain + resources - webrite washing a some or say * Index. html

* open of files and analyse code. RADIO SOLDS OF MAN THERED Sugard or with situal. in the second second of the second se And Miles The state of the second to the state of the state of the second of the s guilly texture proble scanning them, who h SYNC LAND COUNTY & STATE OF THE

Tousk 1: Preparing laub.

- * cloud 9 -> instances -> open uget https://.
- * unger cook. 3 ip
- + chmod+n. /resources/setup.sh &&./resources/setup.sh

The Astron Ret in

exist post fractily

- * aus -- version.
- * pip show botos

Task-2: (realing a bynamods tables

- * Open doubt board Aws cloud 9
- * search byramo DB
- + from menu click tables
- + Back to cloud
- * python Greate table.py
- * replace place holder with given data save
- * rable = ODB. create. table (* * parans)
- * (d python. 3
- * python3 creatcitable py
- * aws dynamous list-tables region
- * verify tables

Tasks: working with Dynamo DB data

- * resources not on a sting-product joan
- * insert given cook
- * Explore table "tems "t should be reflected
- * replace product name save
- * new "tern will be added
- * replace product Ed save

Task-4: Adding and modifying a simple item by using the sok

- * python3 directory unditional. put .py.
- * replace place holder s save
- * python 3 conditional-put.py
- * modify product id and run again in terminal

- + change product rame and our again.
- Tasks: Adding multiple items.
- * Item explorer run
- * Delete all stems
- + resources test. json
- * python 3 , test-batch-put . pyon replace all place holder - save
- * run the file pythons test-batch-put-py
- * check from explorer
- * with table batch writers as batch: replace & run agein
- * modify pythos -> batch-put.py & run
- * check item explorer

in many with the related only to Mask-6: Querrying the table

* pytho3 - get-all-item. py - replace all placeholders - save-s run

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* get -one-item.py -> replace placeholden -> save-soun

Jask-7: Adding a global secondary index to the table

- * add -gse-py -s replace place holder -s save -s Tun
- * wait for status to become active.
- * with-filter. py replace place holder save run. John Will British &

```
Task 1: preparing
* cloud 9 enstance - open
* uget https: 11
* unsip code-sip
* chroad for resources / setup. sh & & resources/ setup. sh
* enter & paddrus
 * aws -- version.
* pip show boto 3
* load website
 * 83 console > Objects - Endex. Home - copy & paste wol.
 * View Is console
 Task 2: Creating first API endpoint
 * python 3 -> create-products api. py -> replace place holder -> save -> run
 * search APR gateway
 * Product AP2
  * choose GET - study data flow - test
 Fask-3: creating second AP2 endpoint
 * pytho3 , create-on-offer-opi - replace place holder , save - run
 + (product) on offer choose GET - nest
 Josley: (realing third API endpoint
* create. products-api. py & create_report-api. py
 + analyse both & ouplace place holders - save - run
 * Resource 1 create. report -> Post -> test
 Task 5: peploying the APR.
 * select root - Deploy API - stage: Prod - deploy - copy unl
 Task 6: updating the website to use APZ's
 p resources I website / config. is
 * replace with given coole - sare
 * python 3 - update-longing. by - replace placeholder - save- run
```

+ open website url + view javascript can ale. Task 1: prepare + cloud 9 : nutancu -> gren + wget https:// + linzip code sip & & resource 1 script. sh * chmod * x resource 1 script. sh * enter sp address * psp show boto 3 \$ 53 + "nolex. Home - copy unl -run * Dynan mo DB - Tables & c'hoope table - explore table items + APE yateway - test for each method t AP2 Gateway - stages , prood , copy ure + resources websitel confer is a replace null with copied on - pave * rythos - update - config. py - replace placeholder - sque stun * bad website again rock 2: Greating la lamba junction * python3 - get-all-product-code: py - replace placeholder - save-soun * modify seffing in war & Jun how revert back comment the wastline + 2 pgn - Rolls - Lamba accus To Dynamopp 4 Lopy Rou ARM * Pythos -> get-out-products-wrapper.py -> replace place holders -> sa & verify python 3 directory * 2°p get-all product: code. 21°p get-all-products-care py aws so lo ow + 13 up get-all-products-bode. 28p 18: 11644cer rame * Run ger all-products. wrapper.py. + Browne to lamba - Test - some - tul-* Test - Onlighte tost Event - create new event - Enter given

ditails , save - test.

- Tooks: configuring RESTAPE to revolu lambe function.
- + API Gationary Product API I product 16eT Test
- * Entigration request giver necessary details save restragin.
- * Re enablé cols on products make given changes to allow access + save
- * test again
- + 1011-06/ex 1 GET -> enterretation request -> gève rélessang details
- * Enable CORS make given tranges to allow access control -s
 source test
- + 1 products 120. Offer 16 BT add mapping template cooles saves
- * select root tisplay API prod deploy
- Pasky: creating lamba junction for import request in function
- * run create-report-way py > vennett bot line save
- * python 3 -s create-report. wrapper. py -s replace placeholder save

Greate report. vod. 3:P

- * aws as cp create-seport-wook. 38p soil bucket name
- + run create peport. wrapper. py
- * Test create = report. wrapper. py save stest
- Tasks: vanfigure REST APR to invoke lamba function to handle report report 1 POST test sintegration request give recessary
- details save, select root deploy API
 - Task 6: Testing the integration
 - + God webs to
 - & Brown Pasterians newall
 - * modify price of one product refresh page & charges are reflected.

Task 1: proparing + cloudy anstance - open * wget htps:// .. * unzip bode zip & chmoa +x 11 resources 1 setup. sh & & 1 resources 1 setup. sh 7 aws -- version & ptp show boto 3 Task 2: Analyse existing app instructions * EC2 instances - apprenuer Node - copy 2 PV4 - past en browser à choose luit à suppliers - add new suppliers - submit. Tasks: migrating the application to bocker container *mkdir container as containers & mkdir nook app od nook app + mu - environment 1 resources 1.. - environment | container / nook-app. * create Dolber file - cd. I environment untainer/node-app touch, DOUCEY fil + Poste given wook into Doucor file - save * docker build -- tage noch-app * doubler images * docker run-d -- name node. app - p3000:3000 cooli-app & docker untainer la + url https: 11 localhost: 3000 * cloud a Enstance - security - edit Enbourd rules make charges * Ecz Enstance - copy 2PV4 add & owns lloud 9 Enstance * doller Ps 4 doucer exec - ti lentainer id & whoami - so noole - env - exit rexit * docker ps & dollar stop node-app. 1 & & aboller mm- node-app. 6 2 Eczinstana - copy epryada & mysqu server Noch & duoller run -d - rame nook-app-1 -p 3000:3000 APPB Host="ip

Tox 4: migrate register database

* create new file -> partegive cools

+ cd to change directory

tentor password.

* open my-sql.sql mate give changes-nave

* midir my ogl - cd my sql

* touch doucefile

+ mu- Ing. sql. sql

& open empty about the paste code

+ docker mn - + & (docke - enge ls - s - 2)

+ sudo doubler Engle - + & & , sudo doubler container

a docter build - tag myserl-server

* doucer images

Tasks: Testing mysqu untainer

* docker inspect network

4 run docker with new ip adams

+ docker ps - test application

Task 6: Adding the Docker image, to ECR

* copy Acc hum

* Authorge Aws Would 9 Doller Wint

* aus ecr create-reposition - name node-app

& boucer tag using registry to

& Doller Emage

* Push Doucer Prage to ELR registory