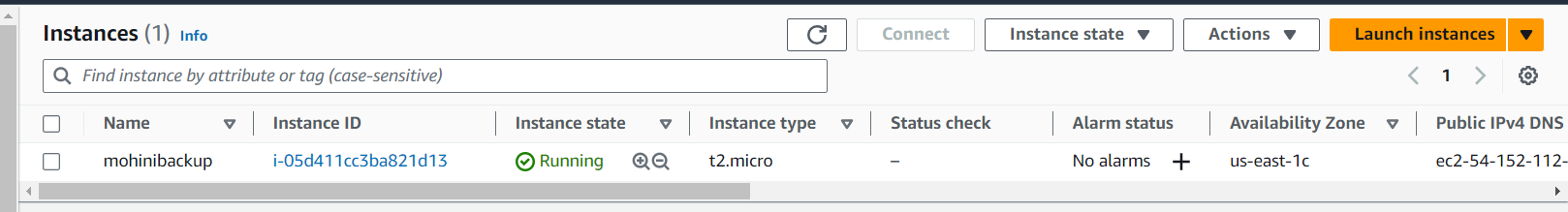
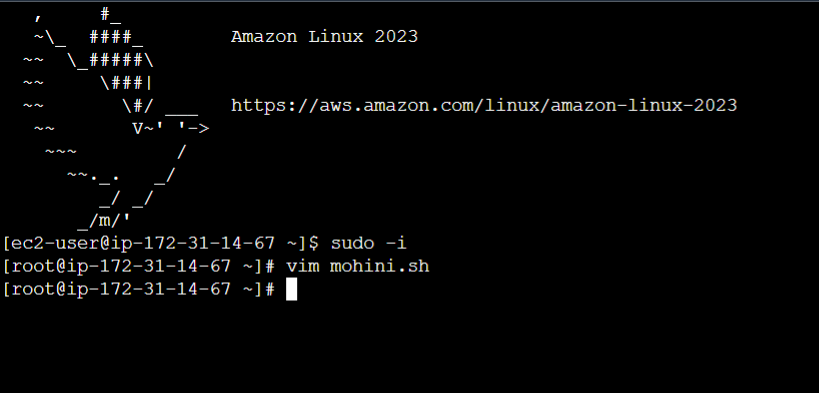
1 :- AMI of instance on daily basics in interval of 12 hrs in.

1st step :- first we want to launch instance.



2nd step :- we have to connect via ssh. And then create .sh file like I did mohini .sh



3rd Step :- then in that .sh file add the below script. Which is for our question need. And make changes according to your requirements. Like access key secrete key and region.

#!/bin/bash

AWS\_ACCESS\_KEY\_ID="AKIAQA7LWUSQ3RMF3P7K"

AWS\_SECRET\_ACCESS\_KEY="cXtqXwsiaIDW8sCHSiw1gtQynfaWa5sn4e/1wVnq"

AWS\_DEFAULT\_REGION="us-east-1"

INSTANCE\_ID="i-0bfaa7a9768aba769"

BACKUP\_PREFIX="DailyBackup-"

while true; do

CURRENT\_TIME=$(date +"%Y-%m-%d-%H-%M-%S")

BACKUP\_NAME="$BACKUP\_PREFIX$CURRENT\_TIME"

aws ec2 create-image --instance-id "$INSTANCE\_ID" --name "$BACKUP\_NAME" --description "Daily backup" \

--no-reboot

if [ $? -eq 0 ]; then

echo "Created a backup AMI with name: $BACKUP\_NAME"

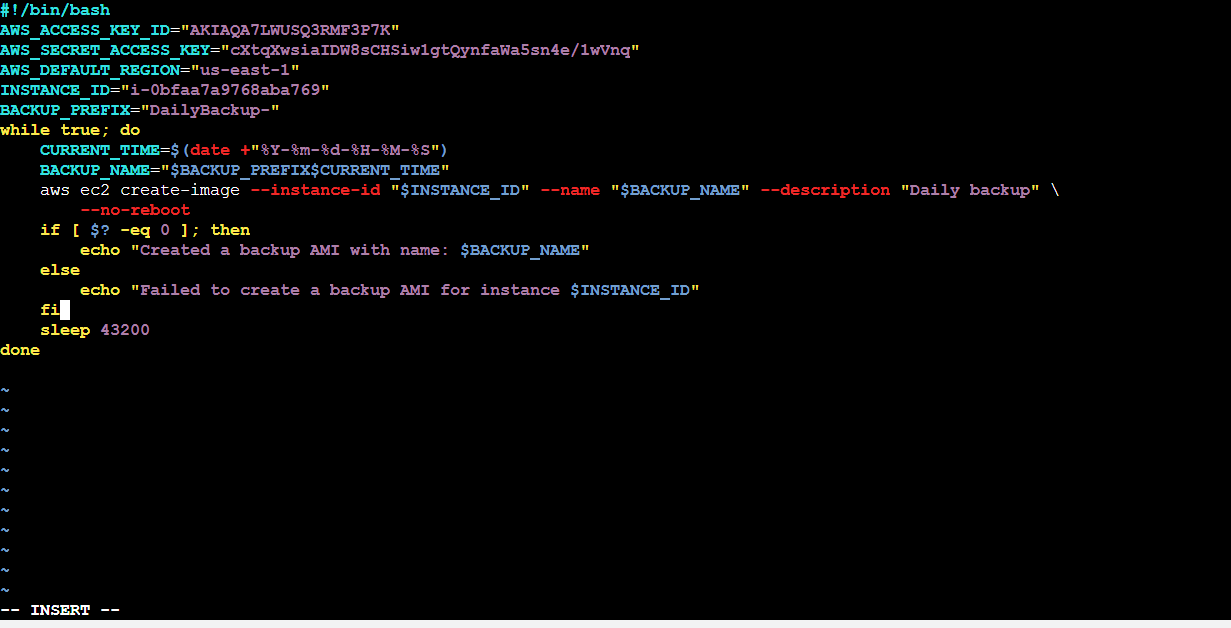
else

echo "Failed to create a backup AMI for instance $INSTANCE\_ID"

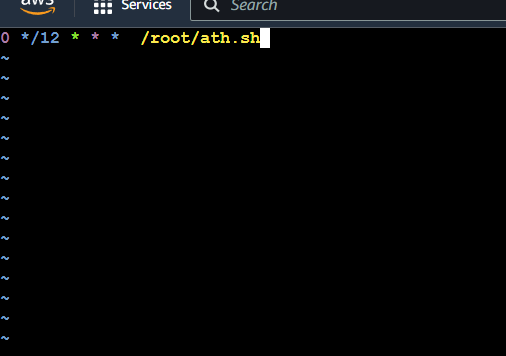
fi

sleep 43200

done

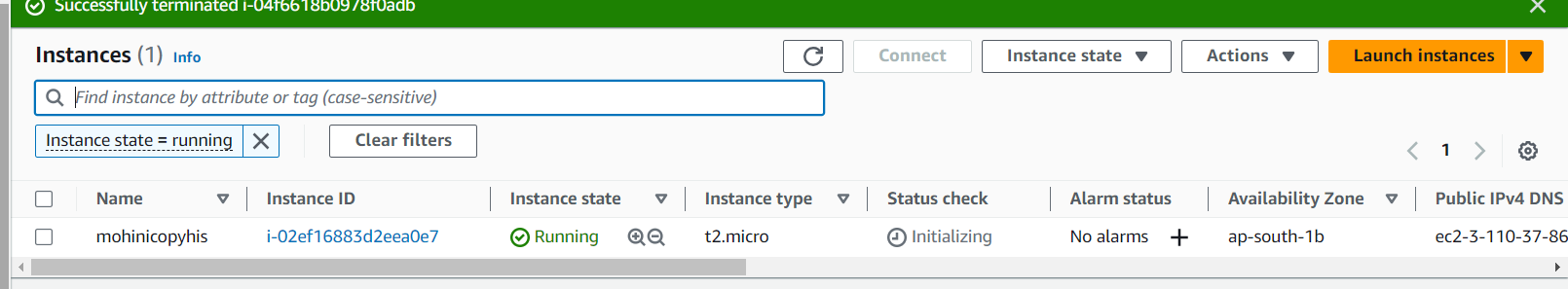


4th step :- now we have to schedule crontab job just shown like below pictures.



2 :- copy history of linux machine in file at every hour and then that file copy to specific s3 bucket

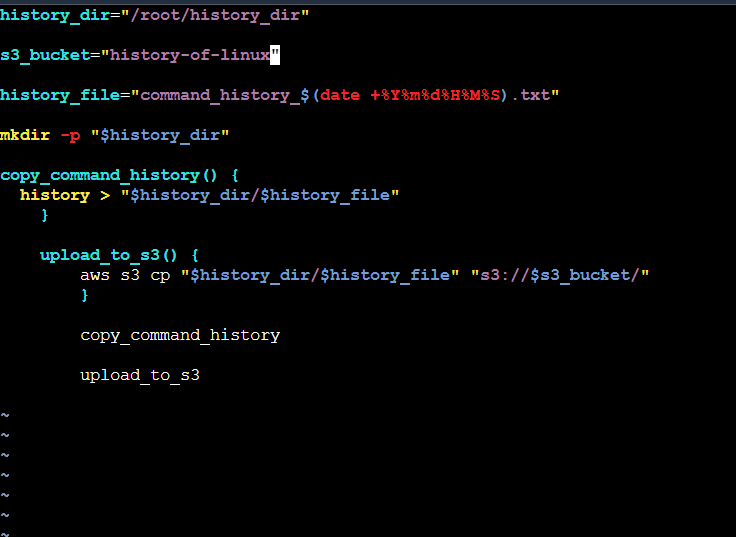
🡪Step1:- we want to launch instance firstly



Step2:- then connect the instance and make .sh file .



Step 3:- in that crated .sh file please copy and paste below script. And make changes according to you. Like s3 bucket name. and after that give 555 permission to this .sh file chmod 555 copyhistory.sh.



history\_dir="/root/history\_dir"

s3\_bucket="history-of-linux"

history\_file="command\_history\_$(date +%Y%m%d%H%M%S).txt"

mkdir -p "$history\_dir"

copy\_command\_history() {

history > "$history\_dir/$history\_file"

}

upload\_to\_s3() {

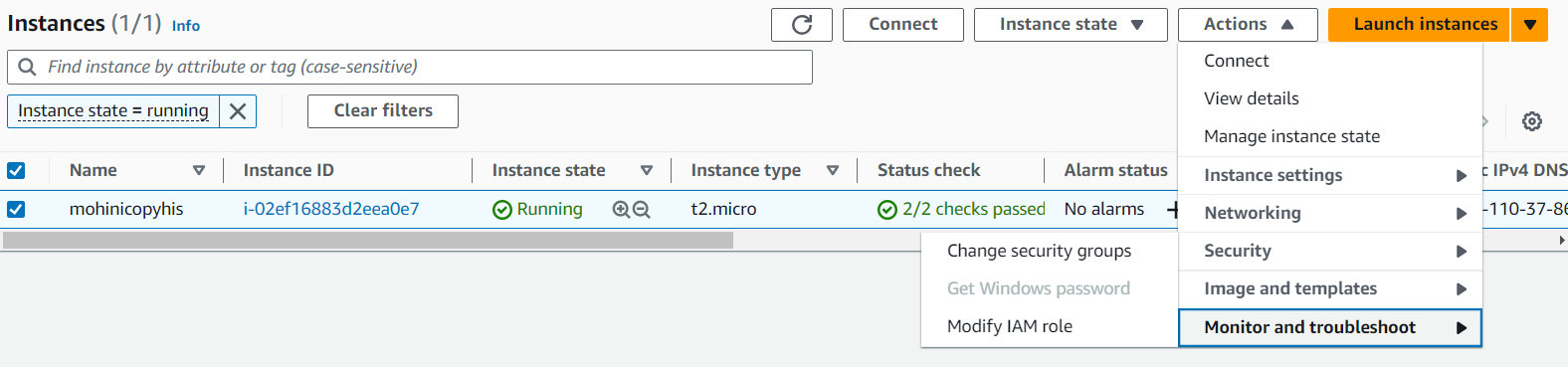
aws s3 cp "$history\_dir/$history\_file" "s3://$s3\_bucket/"

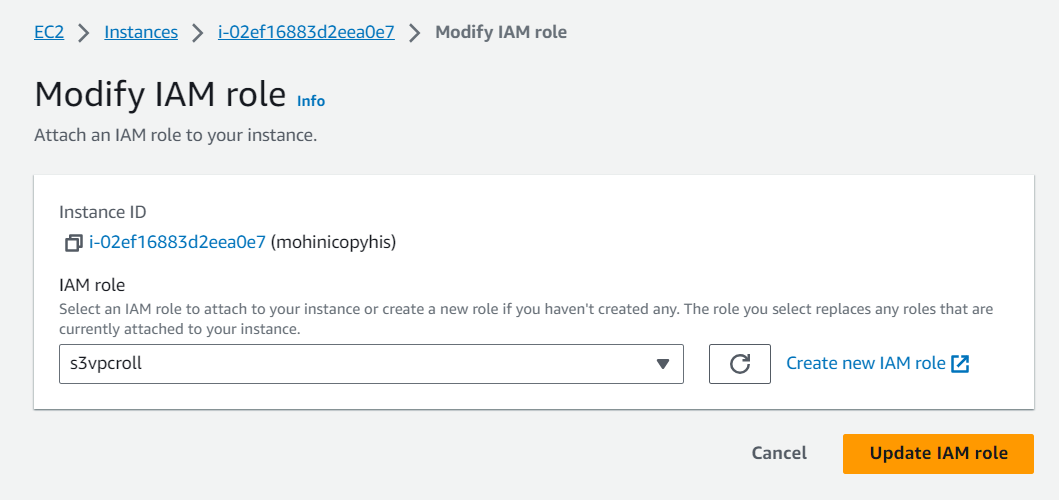
}

copy\_command\_history

upload\_to\_s3

Step 4:- now we have to apply s3 bucket role to it. Just shown like below pictures.





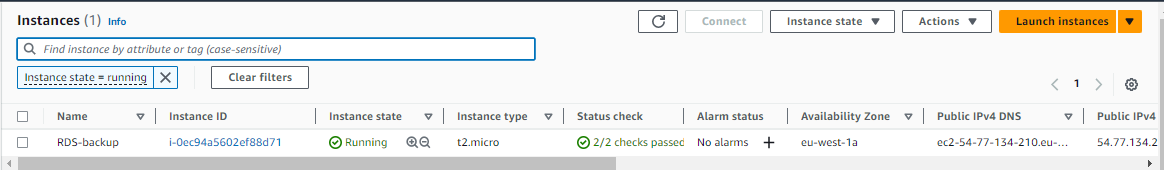
Step 5:- now we have to run this script every hour as per our question need so we have to setup crontab like shown in below picture.



3 :- script for bash create a backup of rds mariadb database every 2nd and 4th of each month Friday?

🡺

Step 1:- we have to launch instance first for further process.



Step 2:- create rds databse so you have to get snapshot it on every 2nd and 4th Friday of each month. Now take access of instance via ssh. And create one .sh file and copy and paste below script. And make changes according to you like eplace with your RDS instance identifier and then aws region.

AWS region

RDS\_INSTANCE\_IDENTIFIER="my-database"

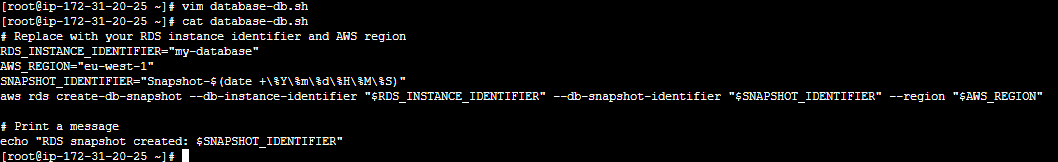
AWS\_REGION="eu-west-1"

SNAPSHOT\_IDENTIFIER="Snapshot-$(date +\%Y\%m\%d\%H\%M\%S)"

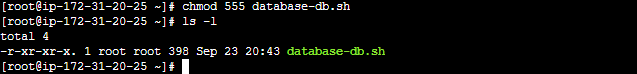
aws rds create-db-snapshot --db-instance-identifier "$RDS\_INSTANCE\_IDENTIFIER" --db-snapshot-identifier "$SNAPSHOT\_IDENTIFIER" --region "$AWS\_REGION"

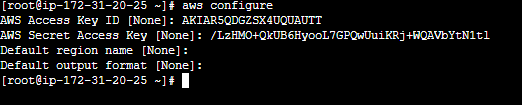
# Print a message

echo "RDS snapshot created: $SNAPSHOT\_IDENTIFIER"e I write following script.

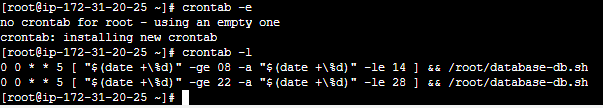


Step 3:-give 555 permission to that .sh file and then aws configure (configure that user which have appropriate access)





Step 4:- now we have to scheduled crontab job as per our requirement.



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