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EE3801 Lab 8A

Lab 8 part A

Step 8

freq-slurm.sh

```
...6-104:/data/src/PyHipp — ssh -i ./MyKeyPair.pem ec2-user@13.213.30.174
GNU nano 2.9.8 freq-slurm.sh

#!/bin/bash

# Submit this script with: sbatch <this-filename>

#SBATCH --time=24:00:00 # walltime
#SBATCH --ntasks=1 # number of processor cores (i.e. tasks)
#SBATCH --nodes=1 # number of nodes
#SBATCH --cpus-per-task=1 # number of CPUs for this task
#SBATCH -J "freq" # job name

## /SBATCH -p general # partition (queue)
#SBATCH -o freq-slurm.%N.%j.out # STDOUT
#SBATCH -e freq-slurm.%N.%j.err # STDERR

# LOAD MODULES, INSERT CODE, AND RUN YOUR PROGRAMS HERE
python -u -c "import PyHipp as pyh; \
import time; \
pyh.FreqSpectrum(saveLevel=1); \
pyh.FreqSpectrum(loadHighPass=True, pointsPerWindow=3000, saveLevel=1); \
print(time.localtime());"
```

Step 9

fsall-slurm.sh

```
..6-104:/data/src/PyHipp — ssh -i ./MyKeyPair.pem ec2-user@13.213.30.174 ..E3801/picasso
GNU nano 2.9.8 fsall-slurm.sh

#!/bin/bash

# Submit this script with: sbatch <this-filename>

#SBATCH --time=24:00:00 # walltime
#SBATCH --ntasks=1 # number of processor cores (i.e. tasks)
#SBATCH --nodes=1 # number of nodes
#SBATCH --cpus-per-task=1 # number of CPUs for this task
#SBATCH -J "fsall" # job name

## /SBATCH -p general # partition (queue)
#SBATCH -o fsall-slurm.%N.%j.out # STDOUT
#SBATCH -e fsall-slurm.%N.%j.err # STDERR

# LOAD MODULES, INSERT CODE, AND RUN YOUR PROGRAMS HERE
python -u -c "import PyHipp as pyh; \
import time; \
import DataProcessingTools as DPT; \
lfall = DPT.objects.processDirs(dirs=None, exclude=['*eye*', '*mountains*'], objtype=pyh.FreqSpectrum, saveLevel=1); \
lfall.save(); \
hfall = DPT.objects.processDirs(dirs=None, exclude=['*eye*', '*mountains*'], objtype=pyh.FreqSpectrum, loadHighPass=True, pointsPerWindow=3000, saveLevel=1); \
hfall.save(); \
print(time.localtime());"

aws sns publish --topic-arn arn:aws:sns:ap-southeast-1:018004650241:awsnotify --message "Fsall-slurm job done"
```

Step 11

```
...6-104:/data/src/PyHipp — ssh -i ./MyKeyPair.pem ec2-user@13.213.30.174
GNU nano 2.9.8                                consol_fsjobs.sh

#!/bin/sh

temp1=$(squeue)

cmd1="sbatch --dependency=afterany:"

counter1=0
for i in "${temp1[@]}"; do
    if [[ "$i" == "queue1" ]]; then
        id1=${temp1[counter1-1]}
        cmd1="${cmd1}${id1}:"
    fi
    counter1=$((counter1+1))
done

cmd1=${cmd1::-1}
cmd1="${cmd1} /data/src/PyHipp/fsall-slurm.sh"

echo $cmd1
eval $cmd1
```

Repeat these steps from Lab 5:
Step 34

Resources

EC2 Global view

You are using the following Amazon EC2 resources in the Asia Pacific (Singapore) Region:

Instances (running)	1	Auto Scaling Groups	0	Dedicated Hosts	0
Elastic IPs	0	Instances	8	Key pairs	1
Load balancers	0	Placement groups	0	Security groups	4
Snapshots	2	Volumes	1		

Step 36

AWS Billing Dashboard

AWS Billing Dashboard

Info

Page refresh time: Sunday, 5 November 2023 at 14:37:10 GMT+8

Unhide

...

AWS summary

Info

Viewing an overview of your AWS costs.

Current month's total forecast

Info

USD 6.29

Total number of active services

4

Current MTD balance

No data to display

Total number of active AWS accounts

No data to display

Prior month for the same period with trend

No data to display

Total number of active AWS Regions

3

Step 37

[Option+S]

Global

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AWS Cost Management > Home

Home

Info

Cost summary

Current month costs

Info

\$7.55

Up 100% over last month

Forecasted month-end costs

Info

-

Down 0% over last month

November trends

Info

Once you have more usage across AWS, we will provide helpful cost and usage insights.

More resources

What is AWS Billing and Cost Management?

Documentation

FAQ

Daily unblended costs

View in Cost Explorer

Cost (\$)



Step 75

[Option+S]

Global ▾

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AWS Billing > Budgets > Overview

Overview [Info](#)

Budgets (1) [Info](#)

Find a budget

Show all budgets ▾

Download CSV

Actions ▾

Create budget

<input type="checkbox"/>	Name	▲	Thresholds ▾	Budget	Amount used	Forecasted amount	Current vs. budgeted ▾	Forecasted vs. budgeted ▾
<input type="checkbox"/>	EE3801 Budget		OK	\$200.00	\$135.29	-	<div><div></div></div> 67.64%	-