

## Lab7

### 1) script

```
arthur — ec2-user@ip-10-0-3-58:/data/src/PyHipp — ssh -i ./MyKeyPair.pem ec2-user@18.141.57.231 — 140x49
GNU nano 2.9.8 checkfiles2.sh

#!/bin/bash

echo "Number of hkl files"
find . -name "*.hkl" | grep -v -e spiketrain -e mountains | wc -l

echo "Number of mda files"
find mountains -name "firings.mda" | wc -l

echo "Start Times"
head -1 *slurm*.out

echo "End Times"
tail -n 2 *slurm*.out

aws sns publish --topic-arn arn:aws:sns:ap-southeast-1:565485473173:awsnotify --message "checkfiles2 Done"
```

[ Read 16 lines ]

<b>^G</b> Get Help	<b>^O</b> Write Out	<b>^W</b> Where Is	<b>^K</b> Cut Text	<b>^J</b> Justify	<b>^C</b> Cur Pos	<b>^U</b> Undo	<b>^M</b> Mark Text	<b>^]</b> To Bracket
<b>^X</b> Exit	<b>^R</b> Read File	<b>^_</b> Replace	<b>^U</b> Uncut Text	<b>^T</b> To Linter	<b>^_</b> Go To Line	<b>^E</b> Redo	<b>^Y</b> Copy Text	<b>^W</b> WhereIs Next

## 2) output of step 14

```

[ec2-user@ip-10-0-7-127 PyHipp]$ cd -
/data/picasso/20181105
[ec2-user@ip-10-0-7-127 20181105]$ bash /data/src/PyHipp/checkfiles2.sh
Number of hkl files
53
Number of mda files
8
Start Times
==> rplpl-slurm.queue1-dy-r5a2xlarge-1.2.out <==
time.struct_time(tm_year=2021, tm_mon=10, tm_mday=25, tm_hour=5, tm_min=48, tm_sec=22, tm_wday=0, tm_yday=298, tm_isdst=0)
==> rplpl-slurm.queue1-dy-r5a2xlarge-1.3.out <==
time.struct_time(tm_year=2021, tm_mon=10, tm_mday=25, tm_hour=5, tm_min=48, tm_sec=22, tm_wday=0, tm_yday=298, tm_isdst=0)
End Times
==> rplpl-slurm.queue1-dy-r5a2xlarge-1.2.out <==
time.struct_time(tm_year=2021, tm_mon=10, tm_mday=25, tm_hour=6, tm_min=18, tm_sec=17, tm_wday=0, tm_yday=298, tm_isdst=0)
1794.5553846359253
==> rplpl-slurm.queue1-dy-r5a2xlarge-1.3.out <==
time.struct_time(tm_year=2021, tm_mon=10, tm_mday=25, tm_hour=6, tm_min=33, tm_sec=53, tm_wday=0, tm_yday=298, tm_isdst=0)
2731.066431760788
{
  "MessageId": "1e1162e2-86c7-5224-8b75-3b12f217c2d3"
}
[ec2-user@ip-10-0-7-127 20181105]$
```

## 3) Sum of two jobs duration 1h 15min 25s

## 4) Actual time taken 45min 31s

## 5) Time saved 29min 54s

6)

```
[(env1) [ec2-user@ip-10-0-3-58 20181105]$ bash /data/src/PyHipp/checkfiles2.sh
Number of hkl files
149
Number of mda files
9
Start Times
==> rplpl-slurm.queue1-dy-r5a2xlarge-1.2.out <==
time.struct_time(tm_year=2021, tm_mon=10, tm_mday=26, tm_hour=11, tm_min=39, tm_sec=49, tm_wday=1, tm_yday=299, tm_isdst=0)

==> rplspl-slurm.queue1-dy-r5a2xlarge-1.3.out <==
time.struct_time(tm_year=2021, tm_mon=10, tm_mday=26, tm_hour=11, tm_min=39, tm_sec=49, tm_wday=1, tm_yday=299, tm_isdst=0)
End Times
==> rplpl-slurm.queue1-dy-r5a2xlarge-1.2.out <==
  "MessageId": "2e649ad1-e84c-53a9-909d-c3201c6794bd"
}

==> rplspl-slurm.queue1-dy-r5a2xlarge-1.3.out <==
Computing PCA features for channel 1 (phase1)...

{
  "MessageId": "0c789b66-5c01-5f5b-a3d2-c294596d6fcc"
}
(env1) [ec2-user@ip-10-0-3-58 20181105]$ █
```

---

7)

Actual time taken

3hour 54min 12s

8)

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Lifecycle Manager

Network & Security

Security Groups

Elastic ID

Resources

EC2 Global view

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

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

Easily size, configure, and deploy Microsoft SQL Server Always On availability groups on AWS using the AWS Launch Wizard for SQL Server. [Learn more](#)

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Launch Instance

Migrate a server

Note: Your instances will launch in the Asia Pacific (Singapore) Region

Service health

Service Health Dashboard

Region

Asia Pacific (Singapore)

Status

This service is operating normally

Zones

Zone name	Zone ID
-----------	---------

Account attributes

Supported platforms

VPC

Default VPC

vpc-0aaa51d6fba6ab312

Settings

EBS encryption

Zones

EC2 Serial Console

Default credit specification

Console experiments

Explore AWS

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## 10) budgets

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Billing preferences

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Consolidated billing

Tax settings

Billing Console > Budgets > Overview

Overview

Budgets (1)

Download CSV

Actions

Create budget

Find a budget

Show all budgets

< 1 >

	Name	Thresholds	Budget	Amount used	Forecasted ...	Current vs. budgeted	
<input type="checkbox"/>	EE3801	OK	\$400.00	\$54.25	-	13.56%	-