

## EMR Cluster Steps:

```
Last login: Wed Nov  1 00:01:13 on ttys003
(base) ~ $ Downloads ssh -i debskp.pem hadoop@ec2-3-83-4-3.compute-1.amazonaws.com
The authenticity of host 'ec2-3-83-4-3.compute-1.amazonaws.com (3.83.4.3)' can't be established.
ED25519 key fingerprint is SHA256:K7L0WiKnV+YWXEeuTsZskhs19njDRgPzQQFgdUINyQE.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-3-83-4-3.compute-1.amazonaws.com' (ED25519) to the list of known hosts.

--| --|_
_| (   /   Amazon Linux 2 AMI
---| \---|_

https://aws.amazon.com/amazon-linux-2/
88 package(s) needed for security, out of 155 available
Run "sudo yum update" to apply all updates.
-bash: warning: setlocale: LC_CTYPE: cannot change locale (UTF-8): No such file or directory

EEEEEEEEEEEEEE MMMMMMM          MMMMMMM RRRRRRRRRRRRRRR
E:::::::E M:::::M      M:::::M R:::::RRRRRR:::::R
EE:::::E EEEEEEE M:::::M      M:::::M R:::::RRRRRR:::::R
E:::::E   EEEE M:::::M      M:::::M R:::::R R:::::R
E:::::E EEEEEEE M:::::M M:::M M:::::M R:::::RRRRRR:::::R
E:::::E EEEEEEE M:::::M M:::M M:::::M R:::::RRRRRR:::::R
E:::::E EEEEEEE M:::::M M:::::M R:::::RRRRRR:::::R
E:::::E   EEEE M:::::M M:::::M R:::::R R:::::R
E:::::E EEEEE E:::::M      M:::::M R:::::R R:::::R
E:::::E EEEEE E:::::M      M:::::M RR:::::R R:::::R
EEEEEEEEEEEEE EEEEE MMMMM      M:::::M RRRRRRR
[.hadoop@ip-172-31-4-146 ~]$
```

```
[hadoop@ip-172-31-4-146 ~]$ export SPARK_KAFKA_VERSION=0.10
[hadoop@ip-172-31-4-146 ~]$ wget https://s3-spark-sql-kafka-0-10.s3.amazonaws.com/spark-sql-kafka-0-10_2.11-2.3.0.jar
--2023-11-04 19:36:15-- https://s3-spark-sql-kafka-0-10.s3.amazonaws.com/spark-sql-kafka-0-10_2.11-2.3.0.jar
Resolving ds-spark-sql-kafka-jar.s3.amazonaws.com (ds-spark-sql-kafka-jar.s3.amazonaws.com)... 52.217.179.153, 54.231.138.81, 52.217.230.233, ...
Connecting to ds-spark-sql-kafka-jar.s3.amazonaws.com (ds-spark-sql-kafka-jar.s3.amazonaws.com)|52.217.179.153|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 466313 (397K) [binary/octet-stream]
Saving to: 'spark-sql-kafka-0-10_2.11-2.3.0.jar'

100%[=====] 466,313 --.-K/s in 0.003s

2023-11-04 19:36:15 (124 MB/s) - 'spark-sql-kafka-0-10_2.11-2.3.0.jar' saved [466313/466313]
```

```
[hadoop@ip-172-31-4-146 ~]$ mkdir time_wise_kpi
[[hadoop@ip-172-31-4-146 ~]$ cd time_wise_kpi/
[[hadoop@ip-172-31-4-146 time_wise_kpi]$ mkdir cp
[[hadoop@ip-172-31-4-146 time_wise_kpi]$ cd ~
[[hadoop@ip-172-31-4-146 ~]$ ls
spark-sql-kafka-0-10_2.11-2.3.0.jar  time_wise_kpi
[[hadoop@ip-172-31-4-146 ~]$ mkdir time_country_wise_kpi
[[hadoop@ip-172-31-4-146 ~]$ cd time_country_wise_kpi/
[[hadoop@ip-172-31-4-146 time_country_wise_kpi]$ mkdir cp
[[hadoop@ip-172-31-4-146 time_country_wise_kpi]$ ls
cp
[[hadoop@ip-172-31-4-146 time_country_wise_kpi]$ cd ~
[[hadoop@ip-172-31-4-146 ~]$ ls
spark-sql-kafka-0-10_2.11-2.3.0.jar  time_country_wise_kpi  time_wise_kpi
[hadoop@ip-172-31-4-146 ~]$
```

```
scp -i debskp.pem spark-streaming.py hadoop@ec2-3-83-4-3.compute-1.amazonaws.com:/home/hadoop/
```

```
(base) ➜ [Downloads] scp -i debskp.pem spark-streaming.py hadoop@ec2-3-83-4-3.compute-1.amazonaws.com:/home/hadoop/  
spark-streaming.py  
(base) ➜ [Downloads]
```

10% 4666 20.4KB/s 00:00

```
○ ○ ○
```

Downloads — hadoop@ip-172-31-4-146:~ — ssh -i debskp.pem hadoop@ec2-3-83-4-3.compute-1.amazonaws.com —

~/Downloads — hadoop@ip-172-31-4-146:~ — ssh -i debskp.pem hadoop@ec2-3-83-4-3.compute-1.amazonaws.com

```
[hadoop@ip-172-31-4-146 ~]$ ls  
spark-sql-kafka-0-10_2.11-2.3.0.jar spark-streaming.py time_country_wise_kpi time_wise_kpi  
[hadoop@ip-172-31-4-146 ~]$
```

```
spark-submit --packages org.apache.spark:spark-sql-kafka-0-10_2.11:2.4.5 spark-streaming.py
```

```
[hadoop@ip-172-31-4-146 ~]$ spark-submit --packages org.apache.spark:spark-sql-kafka-0-10_2.11:2.4.5 spark-streaming.py  
Ivy Default Cache set to: /home/hadoop/.ivy2/cache  
The jars for the packages stored in: /home/hadoop/.ivy2/jars  
:: loading settings :: url = jar:file:/usr/lib/spark/jars/ivy-2.4.0.jar!/org/apache/ivy/core/settings/ivysettings.xml  
org.apache.spark#spark-sql-kafka-0-10_2.11 added as a dependency  
:: resolving dependencies :: org.apache.spark#spark-submit-parent-1d0ded73-4343-4097-bb84-45395a54d2c6;1.0  
  confs: [default]  
    found org.apache.spark#snark-sql-kafka-0-10_2.11;2.4.5 in central  
    found org.apache.kafka#kafka-clients;2.0.0 in central  
    found org.lz4#lz4-java;1.4.0 in central  
    found org.xerial.snappy#snappy-java;1.1.7.3 in central  
    found org.slf4j#slf4j-api;1.7.16 in central  
    found org.spark-project.spark#unused;1.0.0 in central  
downloading https://repo1.maven.org/maven2/org/apache/spark/spark-sql-kafka-0-10_2.11/2.4.5/spark-sql-kafka-0-10_2.11-2.4.5.jar ...  
  [SUCCESSFUL ] org.apache.spark#spark-sql-kafka-0-10_2.11;2.4.5!spark-sql-kafka-0-10_2.11.jar (24ms)  
downloading https://repo1.maven.org/maven2/org/apache/kafka/kafka-clients/2.0.0/kafka-clients-2.0.0.jar ...  
  [SUCCESSFUL ] org.apache.kafka#kafka-clients;2.0.0!kafka-clients.jar (74ms)  
downloading https://repo1.maven.org/maven2/org/spark-project/spark/unused/1.0.0/unused-1.0.0.jar ...  
  [SUCCESSFUL ] org.spark-project.spark#unused;1.0.0!unused.jar (4ms)  
downloading https://repo1.maven.org/maven2/org/lz4/lz4-java/1.4.0/lz4-java-1.4.0.jar ...  
  [SUCCESSFUL ] org.lz4#lz4-java;1.4.0!lz4-java.jar (13ms)  
downloading https://repo1.maven.org/maven2/org/xerial/snappy/snappy-java/1.1.7.3/snappy-java-1.1.7.3.jar ...  
  [SUCCESSFUL ] org.xerial.snappy#snappy-java;1.1.7.3!snappy-java.jar(bundle) (66ms)  
downloading https://repo1.maven.org/maven2/org/slf4j/slf4j-api/1.7.16/slf4j-api-1.7.16.jar ...  
  [SUCCESSFUL ] org.slf4j#slf4j-api;1.7.16!slf4j-api.jar (6ms)  
:: resolution report :: resolve 1362ms :: artifacts dl 193ms  
  :: modules in use:  
    org.apache.kafka#kafka-clients;2.0.0 from central in [default]  
    org.apache.spark#spark-sql-kafka-0-10_2.11;2.4.5 from central in [default]  
    org.lz4#lz4-java;1.4.0 from central in [default]  
    org.slf4j#slf4j-api;1.7.16 from central in [default]  
    org.spark-project.spark#unused;1.0.0 from central in [default]  
    org.xerial.snappy#snappy-java;1.1.7.3 from central in [default]  
  
    |-----|-----|-----||-----|-----| | |
    | conf | number| search|dwnlded|evicted|| number|dwnlded|  
    |-----|-----|-----||-----|-----|  
    | default | 6 | 6 | 6 | 0 || 6 | 6 |  
    |-----|-----|-----||-----|-----|  
:: retrieving :: org.apache.spark#spark-submit-parent-1d0ded73-4343-4097-bb84-45395a54d2c6  
  confs: [default]  
  6 artifacts copied, 0 already retrieved (4749kB/17ms)
```

Batch: 0							
invoice_no	country	timestamp	type	total_items	total_cost	is_order	is_return
154132557007840	United Kingdom	2023-11-04 20:16:19	ORDER	24	49.84	1	0
Batch: 1							
invoice_no	country	timestamp	type	total_items	total_cost	is_order	is_return
154132557007841	United Kingdom	2023-11-04 20:16:25	ORDER	1	3.75	1	0
154132557007842	United Kingdom	2023-11-04 20:16:27	ORDER	1	3.29	1	0
154132557007843	France	2023-11-04 20:16:31	ORDER	2	1.66	1	0
154132557007844	United Kingdom	2023-11-04 20:16:31	ORDER	19	98.65	1	0
154132557007845	United Kingdom	2023-11-04 20:16:44	ORDER	85	168.03	1	0
154132557007846	United Kingdom	2023-11-04 20:16:55	ORDER	6	9.9	1	0
154132557007847	United Kingdom	2023-11-04 20:17:02	ORDER	10	16.77	1	0
154132557007848	United Kingdom	2023-11-04 20:17:04	ORDER	30	41.42	1	0
154132557007849	United Kingdom	2023-11-04 20:17:05	ORDER	57	89.88	1	0
154132557007850	United Kingdom	2023-11-04 20:17:09	ORDER	131	474.85997	1	0
Batch: 2							
invoice_no	country	timestamp	type	total_items	total_cost	is_order	is_return
154132557007851	EIRE	2023-11-04 20:17:43	ORDER	87	74.97	1	0
154132557007852	United Kingdom	2023-11-04 20:17:58	ORDER	44	76.14	1	0
154132557007853	Austria	2023-11-04 20:17:58	ORDER	746	315.63998	1	0
154132557007854	United Kingdom	2023-11-04 20:18:00	ORDER	21	65.55	1	0
154132557007855	United Kingdom	2023-11-04 20:18:04	ORDER	5	9.95	1	0

```
spark-submit --packages org.apache.spark:spark-sql-kafka-0-10_2.11:2.4.5 spark-streaming.py > console_output.txt
```

```
[hadoop@ip-172-31-4-146 ~]$ spark-submit --packages org.apache.spark:spark-sql-kafka-0-10_2.11:2.4.5 spark-streaming.py > console_output.txt
T-try Default Cache set to: /home/hadoop/.ivy2/cache
The jars for the packages stored in: /home/hadoop/.ivy2/jars
:: Loading settings :: url = jar:file:/usr/lib/spark/jars/ivy-2.4.0.jar!/org/apache/ivy/core/settings/ivysettings.xml
org.apache.spark#spark-sql-kafka-0-10_2.11 added as a dependency
:: resolving dependencies :: org.apache.spark#spark-submit-parent-29e05adf-c1d9-4f27-9e17-e5c1e77989f0;1.0
  confs: [default]
  found org.apache.spark#spark-sql-kafka-0-10_2.11;2.4.5 in central
  found org.apache.kafka:kafka-clients;2.0.0 in central
  found org.lz4#lz4-java;1.4.0 in central
  found org.xerial.snappy#snappy-java;1.1.7.3 in central
  found org.slf4j#slf4j-api;1.7.16 in central
  found org.spark-project.spark#unused;1.0.0 in central
:: resolution report :: resolve 416ms :: artifacts dl 11ms
  :: modules in use:
  org.apache.kafka:kafka-clients;2.0.0 from central in [default]
  org.apache.spark#spark-sql-kafka-0-10_2.11;2.4.5 from central in [default]
  org.lz4#lz4-java;1.4.0 from central in [default]
  org.slf4j#slf4j-api;1.7.16 from central in [default]
  org.spark-project.spark#unused;1.0.0 from central in [default]
  org.xerial.snappy#snappy-java;1.1.7.3 from central in [default]
  |      modules      || artifacts
  |      conf       | number| search|dwnlded|evicted|| number|dwnlded|
  | default     | 6   | 0   | 0   | 0   || 6   | 0   |
:: retrieving :: org.apache.spark#spark-submit-parent-29e05adf-c1d9-4f27-9e17-e5c1e77989f0
  confs: [default]
  0 artifacts copied, 6 already retrieved (0KB/10ms)
23/11/04 20:33:06 INFO SparkContext: Running Spark version 2.4.5-amzn-0
23/11/04 20:33:06 INFO SparkContext: Submitted application: StructuredSocketRead
23/11/04 20:33:06 INFO SecurityManager: Changing view acls to: hadoop
23/11/04 20:33:06 INFO SecurityManager: Changing modify acls to: hadoop
23/11/04 20:33:06 INFO SecurityManager: Changing view acls groups to:
23/11/04 20:33:06 INFO SecurityManager: Changing modify acls groups to:
23/11/04 20:33:06 INFO SecurityManager: authentication disabled; ui acls disabled; users with view permissions: Set(hadoop); groups with view permissions: Set(); users with modify permissions: Set(hadoop); groups with modify permissions: Set()
23/11/04 20:33:06 INFO Utils: Successfully started service 'sparkDriver' on port 37177.
23/11/04 20:33:07 INFO SparkEnv: Registering MapOutputTracker
23/11/04 20:33:07 INFO SparkEnv: Registering BlockManagerMaster
23/11/04 20:33:07 INFO BlockManagerMasterEndpoint: Using org.apache.spark.storage.DefaultTopologyMapper for getting topology information
23/11/04 20:33:07 INFO BlockManagerMasterEndpoint: BlockManagerMasterEndpoint up
```

```

[[hadoop@ip-172-31-4-146 ~]$ ls
console_output.txt spark-sql-kafka-0-10_2.11-2.3.0.jar spark-streaming.py time_country_wise_kpi time_wise_kpi
[[hadoop@ip-172-31-4-146 ~]$ clear

[[hadoop@ip-172-31-4-146 ~]$ hadoop fs -ls time_wise_kpi
Found 49 items
drwxr-xr-x  - hadoop hadoop          0 2023-11-04 20:41 time_wise_kpi/ spark_metadata
drwxr-xr-x  - hadoop hadoop          0 2023-11-04 20:11 time_wise_kpi/cp
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:17 time_wise_kpi/part-00000-009a350f-7d33-4378-ac72-abc0e59fe68f-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:33 time_wise_kpi/part-00000-0105f0e6-c964-44f0-af87-1518dcc94d91-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:16 time_wise_kpi/part-00000-0370a2cd-0d0b-4300-b6fd-c862f9448f2-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:37 time_wise_kpi/part-00000-0ffe5dad-3eb3-4367-8f54-01c26c690340-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:19 time_wise_kpi/part-00000-290bd395-7caf-4249-a2ac-28246cc395b1-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:13 time_wise_kpi/part-00000-33e168f8-5ae9-4ed7-a09d-bcaca5a5003bc-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:41 time_wise_kpi/part-00000-341dbbf2-b401-4397-ae2f-bd44cfed0bee-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:39 time_wise_kpi/part-00000-3852cf0b-ec1c-4215-b767-637e3a78449d-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:14 time_wise_kpi/part-00000-3d1c0a5b-2420-4646-9a34-e282f5b1289c-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:35 time_wise_kpi/part-00000-408134f3-eab2-4c9e-8d44-99628ea04fb3-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:12 time_wise_kpi/part-00000-639fb20b-2f3b-4412-97ab-62d17f01c850-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:21 time_wise_kpi/part-00000-83166b25-65e2-4672-bd7c-9ef1a295345a-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:11 time_wise_kpi/part-00000-8e727417-e19b-4622-899a-cabf3206f803-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:20 time_wise_kpi/part-00000-9c2c5c66-afa3-4ca2-b1c8-00eadc64081c-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:15 time_wise_kpi/part-00000-ab2d2737-6ac5-48bf-873b-4fb3c47d0135-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:18 time_wise_kpi/part-00000-c0eb5416-ba44-4d77-9bf1-318aa6edb64c-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:38 time_wise_kpi/part-00000-ccaae432-7a0a-430a-8e29-697453df2da4-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:40 time_wise_kpi/part-00000-d741733c-c0ed-42f6-8d6f-d23aaac71dda-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:36 time_wise_kpi/part-00000-3f00955-3219-405d-908d-1bc6a596fada-c000.json
-rw-r--r--  1 hadoop hadoop          0 2023-11-04 20:34 time_wise_kpi/part-00000-eb6aae146-724f-458a-a297-18833a40d814-c000.json
179 2023-11-04 20:19 time_wise_kpi/part-00003-b48d7907-47d7-45df-b956-5b1194baf88c-c000.json
196 2023-11-04 20:41 time_wise_kpi/part-00005-cae6b169-0a14-4894-946b-ce418fa4f25a-c000.json
198 2023-11-04 20:34 time_wise_kpi/part-00027-d8bcf24b-15e1-458b-b821-59bf401e1a08-c000.json
194 2023-11-04 20:34 time_wise_kpi/part-00028-8ffab740-cebe-4c95-a613-c6bc585c8b91-c000.json
180 2023-11-04 20:17 time_wise_kpi/part-00035-7e6aae778-8a43-4aee-832c-a598de133c8a-c000.json
178 2023-11-04 20:36 time_wise_kpi/part-00041-40e9edcc-129a-4783-88ab-ca80e5a16b97-c000.json
180 2023-11-04 20:15 time_wise_kpi/part-00042-f3136f8a-2fc0-4559-af36-1e64a0161c5e-c000.json
178 2023-11-04 20:34 time_wise_kpi/part-00060-c3fa3ec3-b6d6-42c4-82fc-2b9597b90af7-c000.json
179 2023-11-04 20:34 time_wise_kpi/part-00068-c99bf751-fb8b-45b5-8075-7ef730cc3f1a-c000.json
194 2023-11-04 20:37 time_wise_kpi/part-00072-77919068-26c1-4c8e-a762-6cfe75f5fb9-c000.json
177 2023-11-04 20:18 time_wise_kpi/part-00075-f7f2e058-8c39-4bea-8e01-1ff5314cf456-c000.json
180 2023-11-04 20:39 time_wise_kpi/part-00081-af6b3081-8e0e-41d6-8964-5f599ab6ca42-c000.json
194 2023-11-04 20:34 time_wise_kpi/part-00084-d13062cb-3fba-4208-abac-434c7eed1e27-c000.json
180 2023-11-04 20:16 time_wise_kpi/part-00088-3c89873e-2bbd-4f96-86ae-dd98bcedd06d-c000.json
196 2023-11-04 20:38 time_wise_kpi/part-00095-b5ffbb82-7b6b-49ca-b803-9dbe3d30b94d-c000.json
195 2023-11-04 20:21 time_wise_kpi/part-00111-005658a7-4968-4d55-becd-416b566b14ff-c000.json
178 2023-11-04 20:34 time_wise_kpi/part-00122-ec3e7d05-4c9c-4f84-bbb8-6c0f05fb2050-c000.json
178 2023-11-04 20:40 time_wise_kpi/part-00132-bcf2cc79-e42d-4fe0-b68e-f3da6fe73800-c000.json
194 2023-11-04 20:34 time_wise_kpi/part-00135-a64129c9-1eff-4c68-8900-1c0e4d766de2-c000.json
179 2023-11-04 20:33 time_wise_kpi/part-00144-8f809b71-b3a4-44b4-9e04-7d2f5c46e70b-c000.json
177 2023-11-04 20:14 time_wise_kpi/part-00148-9fb8473e-9799-470d-bc25-42ca8ae75666-c000.json
179 2023-11-04 20:34 time_wise_kpi/part-00160-cc531922-5613-4587-9c0f-6cbafe7bf8e6-c000.json
180 2023-11-04 20:34 time_wise_kpi/part-00161-e3b1516b-6fe6-42ea-90b9-ea3c387b892f-c000.json
178 2023-11-04 20:34 time_wise_kpi/part-00166-3897fc0cc-d16e-42e9-a173-35668b34340c-c000.json
179 2023-11-04 20:34 time_wise_kpi/part-00167-d9615baf-c000-4bd4-bdc7-4ef8f41990da-c000.json
193 2023-11-04 20:34 time_wise_kpi/part-00184-1c44f7fa-3b7b-4611-b25f-73eb0bfe16a7f-c000.json
179 2023-11-04 20:20 time_wise_kpi/part-00198-63606c8f-88d7-4ac7-991e-976ea18b36fa-c000.json

```

```

[[hadoop@ip-172-31-4-146 ~]$ hadoop fs -get time_wise_kpi output
[[hadoop@ip-172-31-4-146 ~]$ hadoop fs -get time_country_wise_kpi output
[[hadoop@ip-172-31-4-146 ~$ ls
console_output.txt output spark-sql-kafka-0-10_2.11-2.3.0.jar spark-streaming.py time_country_wise_kpi time_wise_kpi
[[hadoop@ip-172-31-4-146 ~$ cd output/
[[hadoop@ip-172-31-4-146 output]$ ls
time_country_wise_kpi time_wise_kpi

```

```
[hadoop@ip-172-31-4-146 ~]$ zip -r output.zip output
adding: output/ (stored 0%)
adding: output/time_wise_kpi/ (stored 0%)
adding: output/time_wise_kpi/_spark_metadata/ (stored 0%)
adding: output/time_wise_kpi/_spark_metadata/0 (deflated 22%)
adding: output/time_wise_kpi/_spark_metadata/1 (deflated 23%)
adding: output/time_wise_kpi/_spark_metadata/10 (deflated 52%)
adding: output/time_wise_kpi/_spark_metadata/11 (deflated 52%)
```

```
[hadoop@ip-172-31-4-146 ~]$ ls
console_output.txt  output  output.zip  spark-sql-kafka-0-10_2.11-2.3.0.jar  spark-streaming.py  time_country_wise_kpi  time_wise_kpi
```

```
(base) + Downloads scp -i debskp.pem ec2-user@ec2-3-83-4-3.compute-1.amazonaws.com:/home/hadoop/output.zip output.zip
(base) + Downloads scp -i debskp.pem ec2-user@ec2-3-83-4-3.compute-1.amazonaws.com:/home/hadoop/console_output.txt console_output2.txt
console_output.txt
100% 4141KB  1.3MB/s  00:03
100%   51KB  51.0KB/s  00:01
```