

ASSIGNMENT-10

Extra-Credits:

```
Last login: Wed Mar 30 20:01:45 on ttys000
(base) rahulmaddula@rahuls-Air ~ % cd downloads/
(base) rahulmaddula@rahuls-Air downloads % chmod 400 my-emr-key.pem
(base) rahulmaddula@rahuls-Air downloads % ssh -i my-emr-key.pem hadoop@ec2-54-162-226-124.compute-1.amazonaws.com
The authenticity of host 'ec2-54-162-226-124.compute-1.amazonaws.com (54.162.226.124)' can't be established.
ED25519 key fingerprint is SHA256:jkbm2R+NriT2aQ84SFSTsCVpoCKEjgd/Bk7SHUibYI.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-54-162-226-124.compute-1.amazonaws.com' (ED25519) to the list of known hosts.

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-| (  /   Amazon Linux 2 AMI
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https://aws.amazon.com/amazon-linux-2/
1 package(s) needed for security, out of 7 available
Run "sudo yum update" to apply all updates.
-bash: warning: setlocale: LC_CTYPE: cannot change locale (UTF-8): No such file or directory

EEEEEEEEEEEEEEEEEEEE MMMMMMMM MMMMMMMM RRRRRRRRRRRRRR
E::::::::::::::::::::E M::::::::M M::::::::M R::::::::::::R
EE::::EEEEEEEE::::E M::::::::M M::::::::M R::::RRRRR::::R
E::::E EEEEE M::::::::M M::::::::M RR::::R R::::R
E::::E M::::::::M M::M M::M M::M R::R
E::::EEEEEEEE M::::M M::M M::M M::M R::RRRRR::::R
E::::::::::::::::E M::::M M::M M::M M::M R::::::::RR
E::::EEEEEEEE M::::M M::M M::M M::M R::RRRRR::::R
E::::E M::::M M::M M::M M::M R::R R::R
E::::E EEEEE M::::M MMM M::M M::M R::R R::R
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E::::::::::::::::E M::::M M::M M::M R::R R::R
EEEEEEEEEEEEEEEEEEEE MMMMMMMM MMMMMMMM RRRRRRR RRRRRR

[hadoop@ip-172-31-34-177 ~]$ ls
consume.py log4j.properties
[hadoop@ip-172-31-34-177 ~]$ █
```

```
Last login: Wed Mar 30 20:01:46 on ttys000
(base) rahulmaddula@rahuls-Air ~ % cd downloads/
(base) rahulmaddula@rahuls-Air downloads % chmod 400 my-emr-key.pem
(base) rahulmaddula@rahuls-Air downloads % ssh -i my-emr-key.pem hadoop@ec2-54-162-226-124.compute-1.amazonaws.com
The authenticity of host 'ec2-54-162-226-124.compute-1.amazonaws.com [54.162.226.124]' can't be established.
ED25519 key fingerprint is SHA256:jkbzm2R+Nri72aQ8aSF5tSCVpCKEjgd/Bk7SHU18YI.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
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EEEEEEEEEEEEEEEEEEEE MMMMMMMM MMMMMMMM RRRRRRRRRRRRRR
E:::EEEEEEEEEEEEEEEE M:::MM M:::MM R:::RRRRRRRRRRRR
EE:::EEEEEEEEEEEEEEEE M:::MM M:::MM R:::RRRRRRRRRRRR
E:::E EEEEE M:::MM M:::MM R:::RRRRRRRRRRRR
E:::E M:::MM M:::MM M:::MM R:::RRRRRRRRRRRR
E:::EEEEEEEEEEEE M:::MM M:::MM M:::MM R:::RRRRRRRRRRRR
E:::EEEEEEEEEEEE M:::MM M:::MM M:::MM R:::RRRRRRRRRRRR
E:::E M:::MM M:::MM M:::MM R:::RRRRRRRRRRRR
E:::E EEEEE M:::MM M:::MM M:::MM R:::RRRRRRRRRRRR
EE:::EEEEEEEEEEEE M:::MM M:::MM M:::MM R:::RRRRRRRRRRRR
E:::EEEEEEEEEEEE M:::MM M:::MM M:::MM R:::RRRRRRRRRRRR
EEEEEEEEEEEEEEEEEEEE MMMMMMMM MMMMMMMM RRRRRRRRRRRRRR
```

```
[hadoop@ip-172-31-34-177 ~]$ ls
consume.py log4j.properties
[hadoop@ip-172-31-34-177 ~]$ sudo cp ./log4j.properties /etc/spark/conf/log4j.properties
[hadoop@ip-172-31-34-177 ~]$ nc -lk 3333
```

```
(base) rahulmaddula@rahuls-Air downloads % ssh -i my-emr-key.pem hadoop@ec2-54-162-226-124.compute-1.amazonaws.com
Last login: Wed Apr 6 01:37:16 2022
```

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Amazon Linux 2 AMI
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EEEEEEEEEEEEEEEEEEEE MMMMMMMM MMMMMMMM RRRRRRRRRRRRRR
E:::EEEEEEEEEEEEEEEE M:::MM M:::MM R:::RRRRRRRRRRRR
EE:::EEEEEEEEEEEEEEEE M:::MM M:::MM R:::RRRRRRRRRRRR
E:::E EEEEE M:::MM M:::MM R:::RRRRRRRRRRRR
E:::E M:::MM M:::MM M:::MM R:::RRRRRRRRRRRR
E:::EEEEEEEEEEEE M:::MM M:::MM M:::MM R:::RRRRRRRRRRRR
E:::EEEEEEEEEEEE M:::MM M:::MM M:::MM R:::RRRRRRRRRRRR
E:::E M:::MM M:::MM M:::MM R:::RRRRRRRRRRRR
E:::E EEEEE M:::MM M:::MM M:::MM R:::RRRRRRRRRRRR
EE:::EEEEEEEEEEEE M:::MM M:::MM M:::MM R:::RRRRRRRRRRRR
E:::EEEEEEEEEEEE M:::MM M:::MM M:::MM R:::RRRRRRRRRRRR
EEEEEEEEEEEEEEEEEEEE MMMMMMMM MMMMMMMM RRRRRRRRRRRRRR
```

```
[hadoop@ip-172-31-34-177 ~]$ ls
consume.py log4j.properties
[hadoop@ip-172-31-34-177 ~]$ spark-submit consume.py
22/04/06 01:43:57 WARN StreamingContext: Dynamic Allocation is enabled for this application. Enabling Dynamic allocation for Spark Streaming applications can cause data loss if Write Ahead Log is not enabled for non-replayable sources like Flume. See the programming guide for details on how to enable the Write Ahead Log.
```

```
Time: 2022-04-06 01:44:10
-----
Time: 2022-04-06 01:44:20
-----
Time: 2022-04-06 01:44:30
-----
Time: 2022-04-06 01:44:40
-----
Time: 2022-04-06 01:44:50
-----
Time: 2022-04-06 01:45:00
-----
Time: 2022-04-06 01:45:10
-----
Time: 2022-04-06 01:45:20
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```

```
Time: 2022-04-06 01:45:40
-----
Time: 2022-04-06 01:45:50
-----
Time: 2022-04-06 01:46:00
-----
Time: 2022-04-06 01:46:10
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Time: 2022-04-06 01:46:20
-----
Time: 2022-04-06 01:46:30
-----
Time: 2022-04-06 01:46:40
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Time: 2022-04-06 01:46:50
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Time: 2022-04-06 01:47:00
-----
Time: 2022-04-06 01:47:10
-----
Time: 2022-04-06 01:47:20
-----
Time: 2022-04-06 01:47:30
-----
Time: 2022-04-06 01:47:40
-----
('Hello', 1)
('Professor', 1)
-----
Time: 2022-04-06 01:47:50
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Time: 2022-04-06 01:48:00
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█
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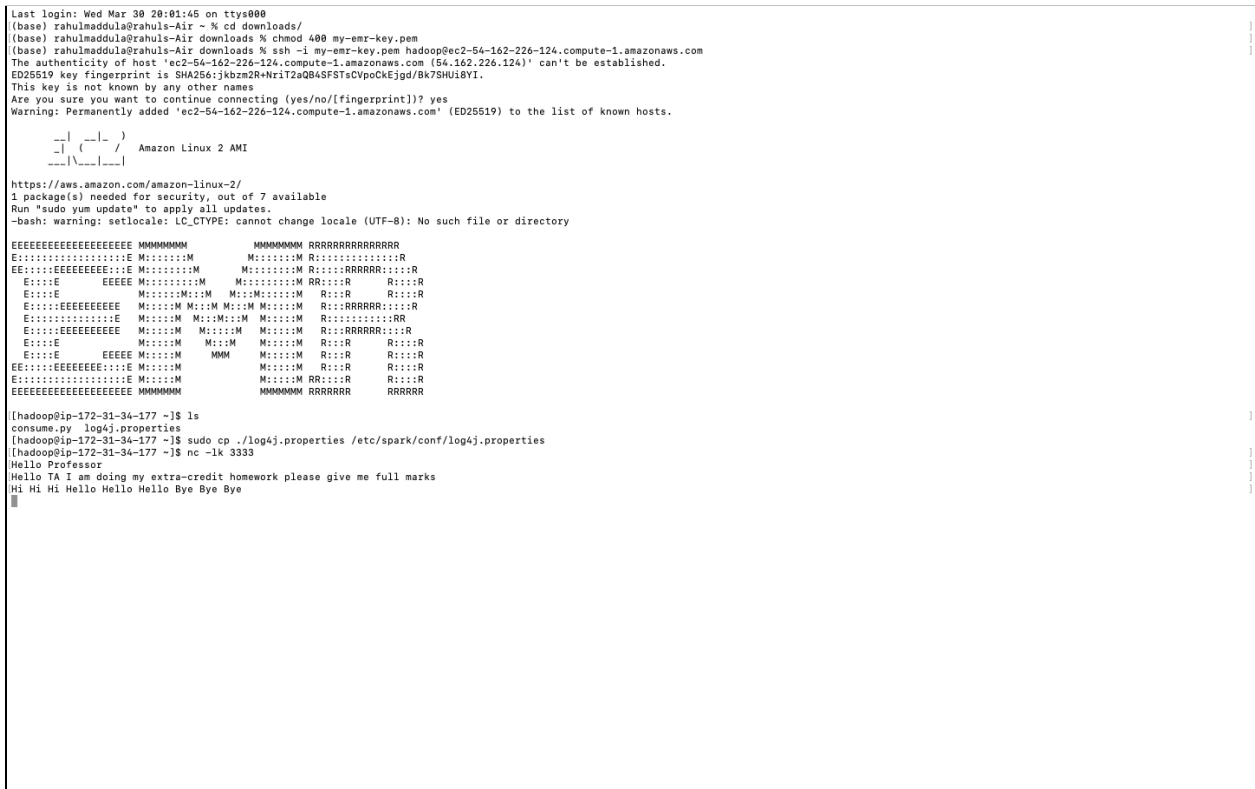
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E:::E EEEEE M::::::::M M::::::::M RR::::R R:::R
E:::E M::::::::M M:::M M::::::::M R:::R R:::R
E:::EEEEEEEEEE M:::M M:::M M:::M R::RRRRR::::R
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E:::E M:::M M::M M:::M R:::R R:::R
E:::E EEEEE M:::M MMM M:::M R:::R R:::R
EE::::EEEEEEEE::::E M:::M M:::M R:::R R:::R
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```
[hadoop@ip-172-31-34-177 ~]$ ls
consume.py log4j.properties
[hadoop@ip-172-31-34-177 ~]$ sudo cp ./log4j.properties /etc/spark/conf/log4j.properties
[hadoop@ip-172-31-34-177 ~]$ nc -lk 3333
Hello Professor
Hello TA I am doing my extra-credit homework please give me full marks
█
```



```
Time: 2022-04-06 01:49:00
-----
('Hello', 1)
('am', 1)
('extra-credit', 1)
('homework', 1)
('give', 1)
('full', 1)
('TA', 1)
('I', 1)
('doing', 1)
('my', 1)
...
-----
Time: 2022-04-06 01:49:10
-----
Time: 2022-04-06 01:49:20
-----
Time: 2022-04-06 01:49:30
-----
Time: 2022-04-06 01:49:40
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Time: 2022-04-06 01:49:50
-----
Time: 2022-04-06 01:50:00
-----
Time: 2022-04-06 01:50:10
-----
Time: 2022-04-06 01:50:20
-----
('Hi', 3)
('Hello', 3)
('Bye', 3)
-----
Time: 2022-04-06 01:50:30
-----
Time: 2022-04-06 01:50:40
-----
Time: 2022-04-06 01:50:50
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E::::E EEEEE M::::::::M M::::::::M RR::::R R::::R
E::::E M::::::::M M::::::::M R::::R R::::R
E:::::EEEEEEEE M::::M M::::M M::::M R::::RRRRR::::R
E:::::EEEEEEEE M::::M M::::M M::::M R::::RRRRR::::R
E::::E M::::M M::::M M::::M R::::R R::::R
E::::E EEEEE M::::M M::::M R::::R R::::R
EE:::::EEEEEEEE::::E M::::M M::::M R::::R R::::R
E::::::::::::::::::::E M::::M M::::M RR::::R R::::R
EEEEEEEEEEEEEEEEEEEE MMMMMMMM MMMMMMMM RRRRRRR RRRRRR
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[hadoop@ip-172-31-34-177 ~]$ sudo cp ./log4j.properties /etc/spark/conf/log4j.properties
[hadoop@ip-172-31-34-177 ~]$ nc -lk 3333
Hello Professor
Hello TA I am doing my extra-credit homework please give me full marks
Hi Hi Hi Hello Hello Hello Bye Bye Bye
See you for next assignment
█
```

Time: 2022-04-06 01:49:48

Time: 2022-04-06 01:49:50

Time: 2022-04-06 01:50:00

Time: 2022-04-06 01:50:10

Time: 2022-04-06 01:50:20

('Hi', 3)
('Hello', 3)
('Bye', 3)

Time: 2022-04-06 01:50:30

Time: 2022-04-06 01:50:40

Time: 2022-04-06 01:50:50

Time: 2022-04-06 01:51:00

Time: 2022-04-06 01:51:10

Time: 2022-04-06 01:51:20

Time: 2022-04-06 01:51:30

('See', 1)
('you', 1)
('for', 1)
('next', 1)
('assignment', 1)

Time: 2022-04-06 01:51:40

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