

CSP554—Big Data Technologies

Assignment #10 (5 points extra credit)

Exercise 1) 5 points extra credit

Follow the document “Spark Streaming Demo Instructions” included with this assignment and execute the demo code. Provide enough screen shots to indicate you have completed the document through section 4. Then remember to terminate your VM.

EC2-1:

```
hadoop@ip-172-31-32-12:~  
$ ssh -i /home/ubuntu/.ssh/emr-key-pair.pem hadoop@ec2-34-238-158-125.compute-1.amazonaws.com  
The authenticity of host 'ec2-34-238-158-125.compute-1.amazonaws.com (34.238.158.125)' can't be established.  
ECDSA key fingerprint is SHA256:9Eyqu0TBy39W70w2KjLEeQL2FmLT9inNJeZdGLHa3/Q.  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added 'ec2-34-238-158-125.compute-1.amazonaws.com,34.238.158.125' (ECDSA) to the list of known hosts.  
  
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https://aws.amazon.com/amazon-linux-2/  
  
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EEEEEEEEEEEEEEEEEE MMMMMMMM          RRRRRRRRRRRR
```

```
[hadoop@ip-172-31-32-12 ~]$ ls  
consume.py  
[hadoop@ip-172-31-32-12 ~]$ ls  
consume.py  
[hadoop@ip-172-31-32-12 ~]$ ls  
consume.py log4j.properties  
[hadoop@ip-172-31-32-12 ~]$
```

EC2-2:

[illegible]

EC2-1:

```
hadoop@ip-172-31-32-12 ~$
ECDSA key fingerprint is SHA256:9Eyqu0TBy39w70w2KjLEEQ2Fm1T9inNJeZdG1Ha3/Q.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-34-238-158-125.compute-1.amazonaws.com,34.238.158.125' (ECDSA) to the list of known hosts

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Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/

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EEEEEEEEEEEEEEEEEEEE MMMMMMMM MMMMMMMM RRRRRRR RRRRRR

[hadoop@ip-172-31-32-12 ~]$ ls
consume.py
[hadoop@ip-172-31-32-12 ~]$ ls
consume.py
[hadoop@ip-172-31-32-12 ~]$ ls
consume.py log4j.properties
[hadoop@ip-172-31-32-12 ~]$ sudo cp ./log4j.properties /etc/spark/conf/log4j.properties
[hadoop@ip-172-31-32-12 ~]$ nc -lk 3333
```

EC2-2:

[illegible]

EC2-1:

```
hadoop@ip-172-31-32-12 ~  
$ ssh -i /h/illinois_tech_masters/Third_Semester/bigData/Assignment2/emr-key-pair.pem hadoop@ec2-34-238-158-125.compute-1.  
The authenticity of host 'ec2-34-238-158-125.compute-1.amazonaws.com (34.238.158.125)' can't be established.  
ECDSA key fingerprint is SHA256:9Eyqu0TBy39w70w2KjLEEQL2FmlT9inNJezdG1Ha3/Q.  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added 'ec2-34-238-158-125.compute-1.amazonaws.com,34.238.158.125' (ECDSA) to the list of known hosts.  
  
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https://aws.amazon.com/amazon-linux-2/  
  
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EE::: E::: M::: M::: M::: R::: RRRRRR::: R  
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E::: EEEEEEEEEEE M::: M M::: M M::: M R::: RRRRRR::: R  
E::: E::: M::: M M::: M M::: M R::: RRRRRR::: RR  
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E::: E::: EEEEE M::: M M::: M R::: R R::: R  
EE::: EEEEEEEEEEE M::: M M::: M R::: R R::: R  
E::: E::: M::: M M::: M RRR::: R R::: R  
EEEEEEEEEEEEEEEEEEEE MMMMMMMM MMMMMMMM RRRRRRR RRRRRR  
  
[hadoop@ip-172-31-32-12 ~]$ ls  
consume.py  
[hadoop@ip-172-31-32-12 ~]$ ls  
consume.py  
[hadoop@ip-172-31-32-12 ~]$ ls  
consume.py log4j.properties  
[hadoop@ip-172-31-32-12 ~]$ sudo cp ./log4j.properties /etc/spark/conf/log4j.properties  
[hadoop@ip-172-31-32-12 ~]$ nc -lk 3333  
  
Hello this is Akash  
Tanwani
```

EC2-2:

```
hadoop@ip-172-31-32-12:~
Time: 2020-11-03 22:39:30
-----
Time: 2020-11-03 22:39:40
-----
Time: 2020-11-03 22:39:50
-----
Time: 2020-11-03 22:40:00
-----
Time: 2020-11-03 22:40:10
(' ', 1)
-----
Time: 2020-11-03 22:40:20
('Hello', 1)
('this', 1)
('is', 1)
('Akash', 1)
-----
Time: 2020-11-03 22:40:30
(' ', 1)
('Tanwani', 1)
-----
Time: 2020-11-03 22:40:40
-----
```

EC2-2:

[illegible]