:raised_hands::skin-tone-3:1



[**Kevin Lee (Sub Instructor)**](https://app.slack.com/team/U02GRRN8V54)  [10:08 PM](https://utorvirtdata-doe5678.slack.com/archives/C02A2J89TQA/p1638842925024500)

import os

# Find the latest version of spark 3.0 from <http://www.apache.org/dist/spark/> and enter as the spark version

# For example:

# spark\_version = 'spark-3.0.3'

spark\_version = 'spark-3.0.3'

os.environ['SPARK\_VERSION']=spark\_version

# Install Spark and Java

!apt-get update

!apt-get install openjdk-11-jdk-headless -qq > /dev/null

!wget -q <http://www.apache.org/dist/spark/$SPARK_VERSION/$SPARK_VERSION-bin-hadoop2.7.tgz>

!tar xf $SPARK\_VERSION-bin-hadoop2.7.tgz

!pip install -q findspark

# Set Environment Variables

os.environ["JAVA\_HOME"] = "/usr/lib/jvm/java-11-openjdk-amd64"

os.environ["SPARK\_HOME"] = f"/content/{spark\_version}-bin-hadoop2.7"

# Start a SparkSession

import findspark

findspark.init()

[10:11](https://utorvirtdata-doe5678.slack.com/archives/C02A2J89TQA/p1638843104024800)

here’s the article on Pandas DF vs. Spark DF:  
<https://towardsdatascience.com/parallelize-pandas-dataframe-computations-w-spark-dataframe-bba4c924487c?sk=688a5a58ae8bd0161ccc72394d3c54e2>

Medium**Medium**

[**Pandas DataFrame vs. Spark DataFrame: When Parallel Computing Matters**](https://towardsdatascience.com/parallelize-pandas-dataframe-computations-w-spark-dataframe-bba4c924487c?sk=688a5a58ae8bd0161ccc72394d3c54e2)

With Performance Comparison Analysis and Guided Example of Animated 3D Wiref

**Reading time**

5 min read

Mar 2nd (2 MB)

<https://towardsdatascience.com/parallelize-pandas-dataframe-computations-w-spark-dataframe-bba4c924487c?sk=688a5a58ae8bd0161ccc72394d3c54e2>

**Today**



[**Sal Hobbi - Instructor**](https://app.slack.com/team/U02ABPZTCGJ)  [6:04 PM](https://utorvirtdata-doe5678.slack.com/archives/C02A2J89TQA/p1639001043025600)

Will be following during our session tonight:

PDF

**[AWS\_RDS\_guide.pdf](https://utorvirtdata-doe5678.slack.com/files/U02ABPZTCGJ/F02PM09PBST/aws_rds_guide.pdf?origin_team=T02AF75EZ25&origin_channel=C02A2J89TQA" \t "https://utorvirtdata-doe5678.slack.com/files/U02ABPZTCGJ/F02PM09PBST/aws_rds_guide.pdf)**

[714 kB — PDF](https://utorvirtdata-doe5678.slack.com/files/U02ABPZTCGJ/F02PM09PBST/aws_rds_guide.pdf?origin_team=T02AF75EZ25&origin_channel=C02A2J89TQA" \t "https://utorvirtdata-doe5678.slack.com/files/U02ABPZTCGJ/F02PM09PBST/aws_rds_guide.pdf)

[714 kB — Click to view](https://utorvirtdata-doe5678.slack.com/files/U02ABPZTCGJ/F02PM09PBST/aws_rds_guide.pdf?origin_team=T02AF75EZ25&origin_channel=C02A2J89TQA" \t "https://utorvirtdata-doe5678.slack.com/files/U02ABPZTCGJ/F02PM09PBST/aws_rds_guide.pdf)

[6:05](https://utorvirtdata-doe5678.slack.com/archives/C02A2J89TQA/p1639001134026200)

Use this link to create your AWS account:  
[https://aws.amazon.com/free/?all-free-tier.sort-by=item.additionalFields.SortRank&al[…]f.Free%20Tier%20Types=\*all&awsf.Free%20Tier%20Categories=\*all](https://aws.amazon.com/free/?all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc&awsf.Free%20Tier%20Types=*all&awsf.Free%20Tier%20Categories=*all)

Amazon Web Services, Inc.**Amazon Web Services, Inc.**

[**Free Cloud Computing Services - AWS Free Tier**](https://aws.amazon.com/free/?all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc&awsf.Free%20Tier%20Types=*all&awsf.Free%20Tier%20Categories=*all)

Gain hands-on experience with the AWS platform, products, and services for free with the AWS Free Tier offerings. Browse 100 offerings for AWS free tier services.



[**Sal Hobbi - Instructor**](https://app.slack.com/team/U02ABPZTCGJ)  [6:54 PM](https://utorvirtdata-doe5678.slack.com/archives/C02A2J89TQA/p1639004040026600)

Activity#2 guide:

PDF

**[S3\_guide.pdf](https://utorvirtdata-doe5678.slack.com/files/U02ABPZTCGJ/F02Q1Q3V00J/s3_guide.pdf?origin_team=T02AF75EZ25&origin_channel=C02A2J89TQA" \t "https://utorvirtdata-doe5678.slack.com/files/U02ABPZTCGJ/F02Q1Q3V00J/s3_guide.pdf)**

[469 kB — PDF](https://utorvirtdata-doe5678.slack.com/files/U02ABPZTCGJ/F02Q1Q3V00J/s3_guide.pdf?origin_team=T02AF75EZ25&origin_channel=C02A2J89TQA" \t "https://utorvirtdata-doe5678.slack.com/files/U02ABPZTCGJ/F02Q1Q3V00J/s3_guide.pdf)

[469 kB — Click to view](https://utorvirtdata-doe5678.slack.com/files/U02ABPZTCGJ/F02Q1Q3V00J/s3_guide.pdf?origin_team=T02AF75EZ25&origin_channel=C02A2J89TQA" \t "https://utorvirtdata-doe5678.slack.com/files/U02ABPZTCGJ/F02Q1Q3V00J/s3_guide.pdf)



[**Anthony Inthavong**](https://app.slack.com/team/U02AKSD37UH)**:ant:**  [8:43 PM](https://utorvirtdata-doe5678.slack.com/archives/C02A2J89TQA/p1639010583026800)

<https://www.onixnet.com/insights/what-is-amazon-s3#:~:text=Amazon%20S3%20provides%20object%20(file,from%20anywhere%20on%20any%20device.&text=Use%20cases%20include%20websites%2C%20mobile,to%20name%20just%20a%20few>.

**onixnet.com**

[**What is Amazon S3 and Why Should I Use It?**](https://www.onixnet.com/insights/what-is-amazon-s3#:~:text=Amazon%20S3%20provides%20object%20(file,from%20anywhere%20on%20any%20device.&text=Use%20cases%20include%20websites%2C%20mobile,to%20name%20just%20a%20few)

If you’re wondering why it's a good idea to be using Amazon S3, look no further. We breakdown this AWS Simple Storage Service for you. (206 kB)

<https://www.onixnet.com/insights/what-is-amazon-s3#:~:text=Amazon%20S3%20provides%20object%20(file,from%20anywhere%20on%20any%20device.&text=Use%20cases%20include%20websites%2C%20mobile,to%20name%20just%20a%20few>

**New**

[8:43](https://utorvirtdata-doe5678.slack.com/archives/C02A2J89TQA/p1639010639027100)

<https://hevodata.com/learn/s3-vs-rds/#:~:text=S3%20allows%20users%20to%20pay,access%20to%20data%20if%20needed>.

Learn | Hevo**Learn | Hevo**

[**Amazon S3 vs RDS: 5 Critical Differences - Learn | Hevo**](https://hevodata.com/learn/s3-vs-rds/#:~:text=S3%20allows%20users%20to%20pay,access%20to%20data%20if%20needed)

In this article, you will learn about Amazon S3 and Amazon RDS and comparing Amazon S3 vs RDS based on 5 critical parameters. (151 kB)