



For **Data Engineers**

# What is Apache Spark



*Apache Spark is a lightning-fast unified analytics engine for big data and machine learning.*

*It was originally developed at UC Berkeley in 2009.*

# Benefits of Apache Spark



**Speed:** Spark can be 100x faster than Hadoop for large scale data processing by exploiting in memory computing and other optimizations. Spark is also fast when data is stored on disk.

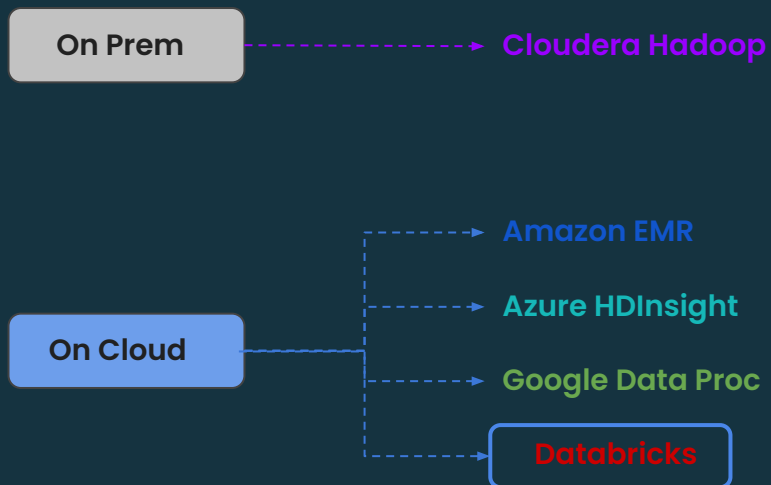
**Support for ANSI SQL:** Use the same SQL you're already comfortable with.

**A Unified Engine:** Spark comes packaged with higher-level libraries, including support for SQL queries, streaming data, machine learning and graph processing.

**Supports Structured and unstructured data:** Spark SQL works on structured tables and unstructured data such as JSON or images.

**The largest open source project in data processing:** processing multiple petabytes of data on clusters of over 8,000 nodes. It has quickly become the largest open source community in big data, with over 1000 contributors from 250+ organizations.

# Spark works with



# Course Syllabus



We can get it from Website : [www.cleverstudies.in](http://www.cleverstudies.in)

# Who can learn Spark



1. *Students aiming to work in the data domain*
2. *Aspiring Data Engineers*
3. *IT professionals looking to enhance their Spark knowledge*
4. *IT employees from other disciplines wanting to transition to the data domain*
5. *Data Engineers preparing for interviews*

# Prerequisites to learn Spark



*Basics of SQL and Python*

# About Instructor



- Working in the IT industry since 2014
- Founder of [Clever Studies](#) Youtube Channel
- Content Creator | Instructor | Mentor
- Teaching since 2020
- Trained thousands of data engineering aspirants
- Published content on tech stacks such as Spark, Databricks, Azure, SQL, Python and Hadoop
- Offering online courses at [www.cleverstudies.in](http://www.cleverstudies.in)





# Expected Q & A about this course



*Q: What may be the total course duration?*

*A: ~ 20 plus Hrs.*

*Q: Live class timings?*

*A: 8 weeks (Only on Sunday). 8.30 AM IST to 11 AM IST. Starts on 14-July, 2024.*

*Q: Is this course lifetime validity?*

*A: Yes. Course Enrolled members it is lifetime available on our website.*

*Q: If we get any doubts during the preparation of this course, to whom we have to contact?*

*A: Please post your queries in Clever Studies official whatsapp group. Details given in next slide.*

*Q: What is the course fee and from where to enroll.*

*A: Please visit our website [www.cleverstudies.in](http://www.cleverstudies.in) for more details.*

*Q: Where can i get this presentation and course syllabus?*

*A: Its freely available on our website.*



# Social Media Appearance



Youtube Channel: [Clever Studies](#)

Website : [www.cleverstudies.in](http://www.cleverstudies.in)

WhatsApp Group joining link :

[CleverStudies WhatsApp Group 2](#)

[Clever Studies WhatsApp Group 1](#)

Telegram Group joining link:

[Clever Studies Telegram Group](#)

Email: [cleverstudies.edu@gmail.com](mailto:cleverstudies.edu@gmail.com)

LinkedIn: [LinkedIn](#)

Talk to Instructor 1 on 1: [topmate](#)





Thank You !