

## Pros and Cons of Apache Spark :

### Pros :

- Apache Spark is a In memory cluster computing platform.
- Faster batch processing than MapReduce. Spark executes batch-processing jobs 10 to 100 times faster than MapReduce.
- Apache Spark Supports for Sophisticated Analytics.
- Apache Spark come up with so many useful ecosystems Like Spark SQL,Spark Graphx,Spark MLlib and Spark Streaming
- Spark comes with GraphX, a distributed graph system.
- Spark is ideal for iterative processing, interactive processing and event stream processing.
- Spark can run on Hadoop alongside other tools in the Hadoop ecosystem including Hive and Pig.
- It is very flexible and powerful
- Apache Spark Supports Machine Learning Algorithms for Future Predictions
- Same platform for real time and Batch Processing
- Apache Spark can support Many Languages like Scala,Java,Phython and R.
- Apache Spark Can Integrate with HDFS and Hbase and Casendra and other storage systems.

### Disadvantages of Apache Spark

- It consumes a lot of Memory,and issues around memory consumption are not handled in a user friendly Manner.
- Apache Spark would take large resources.

These are the main Advantages and Disadvantages of Apache Spark or the pros and cons of Apache Spark.