Features	Apache Spark	Apache Flink
Computation Model	• Spark's streaming computation model is based on **Microbatching**.	• Flink's streaming model is based on **Windowing** and **Checkpointing**.(operator-based computational model)
Streaming engine	• Spark is **not real time processing**. It is near to real time processing framework. • At heart Spark is a **batch processing framework**.	• Flink is a **True Real time Processing** framework. • At heart Flink is a **stream processing framework**.
Language & API's	• Spark is implemented in **Scala**. • Scala, Java, Python & R	• Flink is implemented in **Java**. • Scala, Java & Python
Machine learning	• MLlib & ML	• Flink ML
Iterative processing	• Spark is based on non-native iteration which is implemented as regular for – loops outside the system.	• Flink API provides two dedicated iterations operation Iterate and Delta Iterate.
Latency	• High latency when compared to apache flink.	• Low latency and high throughput compared to apache spark.
Performance	• Not much efficient than flink as it uses micro-batch processing.	• Better than compared to any other data processing system.
Speed	• Spark's processing model is slower than Flink	• Flink processes data at lightening fast speed
Window criteria	• Spark has a time-based Window criteria	• Flink has a record-based or any custom user-defined Window criteria.
Executive engine	• Uses **DAG(Directed Acyclic Graph)** as its executive engine.	• Flink uses controlled **cyclic dependency graph** as its execution engine.

@ Cloud & AI Analytics