

StreamAnalytix Lite

A visual self-service platform to build, test and run Apache Spark applications on your desktop or any single node

What is StreamAnalytix Lite?

Build Apache Spark based Ingestion, ETL, Analytics and ML Pipelines in Minutes

StreamAnalytix Lite makes Spark easy and expands the base of users that can build Spark based applications. It offers an easy-to-use visual Integrated Development Environment (IDE) to build, deploy and manage Spark based enterprise grade applications.

StreamAnalytix Lite is engineered to run Spark on a single node with no core limits. It allows developing, validating and running applications in a controlled local environment with an option to scale out pipelines using the Enterprise version of StreamAnalytix.

StreamAnalytix brings data engineers, data scientist, and business analysts together. It enables self-service data processing, analytics and operationalizing of machine learning, in a unified collaborative platform for the front lines of your business. Pipelines built using StreamAnalytix Lite can be seamlessly exported to a YARN based cluster environment on-premise or in the cloud to be run using StreamAnalytix.



KEY FEATURES

- Easy to use a visual drag-and-drop, web-based IDE for Apache Spark
- Self-service platform to create data flows
- Runs on a Mac, Windows, Linux Desktop or VM (Less than 1 GB on disk)
- 150+ built-in operators for sources, sinks, transformations, and analytics
- Multi-tenancy support
- Includes data generator and real-time dashboarding tool
- Supports Spark 2.3 running in local mode
- Supports Spark Structured Streaming

Accelerate Spark Adoption in Enterprises with StreamAnalytix Lite

StreamAnalytix Lite is a light weight development tool with less than 1GB on disk, which can run on a MAC, Windows, or a Linux desktop or virtual machine. StreamAnalytix Lite features include-

End-to-end application lifecycle management

Easy-to-use visual Integrated Development Environment (IDE) to build, test, debug, deploy and manage Apache Spark based enterprise grade applications.

Self Service Platform to create data flows

Build data flows using the visually interactive environment. Offers features like: auto schema detection, test suite support, user recommendations, data profile view, versioning and more.

Rich array of drag-and-drop Spark operators, no need for coding

Integrates and offers a set of comprehensive big data tools and operators including an array of data sources, processors, analytical operators and emitters.

Channels	Processors	Analytics	Emitters
Hive, Kafka, HDFS, JDBC, MapRStreams, Kinesis, S3, RabbitMQ, ClickStream, TweetStream, Custom Channel, Data Generator, DFS Reciever, MQTT	ScalaProcessor, SQL, Aggregation, Masking, Alert, CustomProcessor, Enricher, Filter, Group, Intersection, Join, MaptoPair, TransformByKey, Union	PMML, MLib and ML Regression, ClusterModel, SupportVectorMatch, NaiveBayes, NueralNetworks, Tree Model, KMeans, StreamingKMeans, StreamingRegression, IsotonicRegression	ForEach, JDBC, Kafka, MapRStreams, RabbitMQ, Kinesis, MQTT Data Stores HDFS, Cassandra, HBase, Hive Indexers ElasticSearch, Solr

Extensible

Enables hand-written custom logic in StreamAnalytix Lite pipelines using custom-Java, custom-Scala operators.

Multi-tenancy

A web-based platform, multiple users can connect to a single StreamAnalytix Lite instance.

Visual interface

Built-in dashboards for real-time data visualization. Visual Pipeline Designer for rapid application development.

Test & debug

Offers extremely powerful debugging and DevOps tools of data inspect and data lineage.

Experience the Ease of Spark Application Development

The screen below shows the pipeline designer and the “Inspect” feature of StreamAnalytix Lite where a developer builds and iteratively validates an Spark pipeline by injecting sample test records and seeing the data changes at each step of the flow.

matchid	TEAM_A	team_b	matchtype	matchdate	stadiumlocation	totalscore	wicketstaken
1	India	Australia	1-Day	01/02/2016	etig1f9s5	55	1
2	New Zealand	Bagladesh	20-20	01/03/2016	evhg6e7y	133	2
3	South Africa	Kenya	Test	03/12/2015	evhg6e5u	137	4
4	West Indies			04/06/2016	gbsaw7s0e	245	6
5	Zimbabwe			05/01/2016	gdy9s3st	384	7
6				06/01/2016	uk4mwhqkg	424	8
7				09/04/2016		445	10
8				22/09/2016		447	
9				26/05/2016		473	
10				30/07/2016		476	

Recommended StreamAnalytix Lite Usage

StreamAnalytix Lite is a learning, experimentation and development tool to make Spark development easy for a wide range of users. It is not recommended as an execution platform for production applications.

Big data processing applications or pipelines built on StreamAnalytix Lite can be seamlessly exported to the production grade (Enterprise) edition of the StreamAnalytix platform to run at full enterprise scale in production on multi-node Spark clusters.

How do you get StreamAnalytix Lite?

Simply click on 'Download StreamAnalytix Lite.' And get started!

[Download StreamAnalytix Lite - For Free](#)

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 **STREAMANALYTIX**
An Impetus Product

StreamAnalytix is an enterprise grade, visual, big data analytics platform for unified streaming and batch data processing based on best-of-breed open source technologies. It supports the end-to-end functionality of data ingestion, enrichment, machine learning, action triggers, and visualization. StreamAnalytix offers an intuitive drag-and-drop visual interface to build and operationalize big data applications five to ten times faster, across industries, data formats, and use cases.

Visit www.streamanalytix.com or write to us at inquiry@streamanalytix.com