instaclustr

MANAGED SOLUTIONS
Elassandra = Elasticsearch + Apache Cassandra

Elassandra

Instaclustr Managed Elassandra combines the power of Elasticsearch's fast, powerful indexing and querying capability with Apache Cassandra's resilient and distributed architecture, without the need for developing custom integration or synchronisation code. Elassandra delivers a single integrated solution with improved availability features and simpler management.

At its core, Elassandra is the same engine as Apache Cassandra thus, part of the Cassandra ecosystem. Tools and applications which works with Apache Cassandra can be used with little or no change with Elassandra. Elassandra is our enterprise grade managed solution and part of our open-source-as-a-platform offering.

Features

Powerful, flexible querying of Cassandra tables

Elassandra allows the full power of the Elasticsearch Query Language (Query DSL) to be used to search data in Cassandra tables.

Flexible APIs

Data can be loaded in Elassandra through Cassandra's CQL, or via Elasticsearch's REST API. The data is stored in a Cassandra table, and indexed in Elasticsearch. A wide variety of language bindings can be used to access these APIs.

Kibana

Comes as part of our Managed Solution Elassandra offering and provides developers a powerful web-interface with capabilities to explore, analyze and visualize data via search. It can be provisioned within minutes and is fully monitored, managed and supported by us.

Simplified Data Pipeline

A single Elassandra cluster can do the work of several components: a Cassandra cluster, an Elasticsearch cluster, and ETL processes to replicate and synchronise between clusters. Once transactional data is loaded into an Elassandra cluster, it can be searched directly.

Masterless Distributed Architecture

Standalone Elasticsearch has a master node, which introduces a single point of failure that must be carefully managed. With Elassandra, the single point of failure is eliminated.

Provisioned in minutes, fully integrated, fully managed

With Instaclustr, you can have an Elassandra cluster provisioned in minutes, and managed and supported by us. Tools like Kibana, Logstash, Beats, JDBC driver, Spark and Kafka all work with Elassandra's Elasticsearch API.

Fully integrated

Elassandra fully supports other Cassandra features including: Cluster Replication between data centres; integration with Cassandra backups; and Integration with Cassandra node add/remove functions.

About Instaclustr

Instaclustr is the open source as-a-service company, delivering reliability at scale with Apache Cassandra, Apache Spark, Elassandra and other related technologies.

Our expertise leverages over 15 million node hours and one petabyte under management, allowing us to run the world's most powerful NoSQL distributed database effortlessly. Our open source data management solutions power mission critical, highly available applications for our customers and help them achieve scalability, reliability and performance in their database.

Our Services

Instaclustr provides range of consulting and support services to help our customers develop and deploy solutions that use Apache Cassandra and related technologies.

Managed Solutions	Our managed solutions enable our customers to run seamlessly in the cloud with confidence that our team is monitoring and managing their clusters.
Consulting Services	Our team of experts have extensive experience with a wide range of use cases and deployed architectures.
Enterprise Support	Our dedicated 24x7 support team of experts have hundreds of thousands of hours of operational engineering and support experience.

─ INSTACLUSTR ADVANTAGE ─

APPLICATION CONSOLE	24/7 EXPERT SUPPORT	MULTI-REGION & MULTI-CLOUD REPLICATION	BACK UPS & RESTORATION
DYNAMIC SCALING	CONTINUOUS MAINTENANCE	ADVANCED MONITORING & ALERTING	INBUILT DEPLOYMENT SECURITY

─ CORE TECHNOLOGIES ─

DATA STORE	ANALYTICS	SEARCH	EXPLORATION
Cassandra	Spark	Lucene / Elassandra	kibana / Apache Zeppelin

─ CLOUD MANAGEMENT ─

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