

## MANAGED SOLUTIONS Apache Cassandra®

Apache Cassandra® is the database of choice for applications requiring the highest levels of reliability, scalability and performance. Cassandra is designed to provide rock solid foundation to global enterprises to manage their data, providing high availability with no single point of failure.

### Features



#### Low Latency

We have customized and optimized the configuration of Cassandra for every deployment, so you can efficiently achieve low latency and high throughput.



#### Zero Downtime

Cassandra, by design, provides continuous availability. That's zero downtime, and we back this with our 100% uptime SLA where our customers have deployed effectively.



#### Dynamic Scaling

Our system can scale the processing capacity of your cluster up to 10x up or down in less than half an hour to deal with burst loads and scaling down to save costs.



#### Simple Provisioning

You don't have to think about any of the tricky configuration of the cluster, we have done all the hard work so that you spin up a production ready cluster within minutes.



#### Monitoring & Alerting

We collect and monitor over 1000 different metrics from every node we manage, so we can proactively manage your cluster and get easy access to the Cassandra metrics needed to manage your application.



#### Automated Health Checks

Our system monitors your schema and Cassandra usage and reports findings on a health check page to help you apply best practice usage of Cassandra.



#### Optimized Configurations

We select instances types and configurations that are well suited to running Cassandra, then develop tuned operating systems and Cassandra configurations to take advantage of the underlying infrastructure. This saves time on tuning and money on infrastructure costs.



#### Unparalleled Experience

With over 15 million node hours and one petabyte of data under management running Apache Cassandra®, we provide the most reliable way to run Cassandra in the cloud.



#### 24x7 Expert Support

Our team of experienced Cassandra engineers are available 24x7 - so we are always there if and when you need help.

# Cassandra Add-ons

**Apache Lucene™** The Cassandra Lucene Index plugin expands Cassandra's native secondary index to perform comprehensive search functionality through Multivariable, Geospatial and Bi-temporal Search capabilities. Cassandra Lucene Index resides right where your operational database resides, thus, no need for extracting, transforming and loading into a new environment.

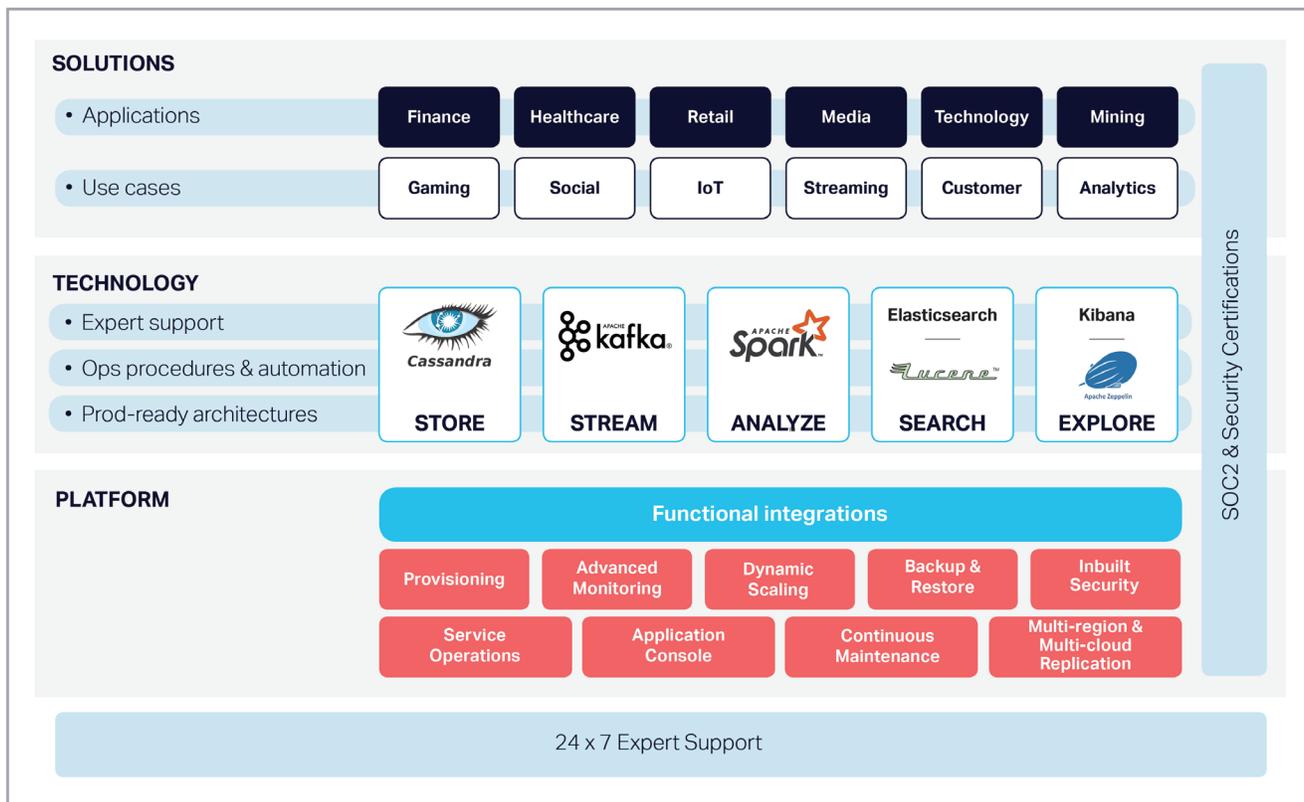
**Apache Zeppelin** Apache Zeppelin provides a notebook user interface to allow interactive development and execution of code against both Cassandra and Spark along with data visualization capabilities. Zeppelin gives you an interactive analytics environment to start querying data in your Cassandra database or running complex analytics using Apache Spark as soon as your cluster is provisioned.

## About InstaClustr

InstaClustr delivers reliability at scale through our integrated data platform of open source technologies such as [Apache Cassandra®](#), [Apache Kafka®](#), [Apache Spark™](#) and [Elasticsearch](#).

Our expertise stems from delivering more than 25+ million node hours under management, allowing us to run the world's most powerful data technologies effortlessly.

We provide a range of managed, consulting and support services to help our customers develop and deploy solutions around open source technologies. Our integrated data platform, built on open source technologies, powers mission critical, highly available applications for our customers and help them achieve scalability, reliability and performance for their applications.



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