Cassandra Versus MongoDB
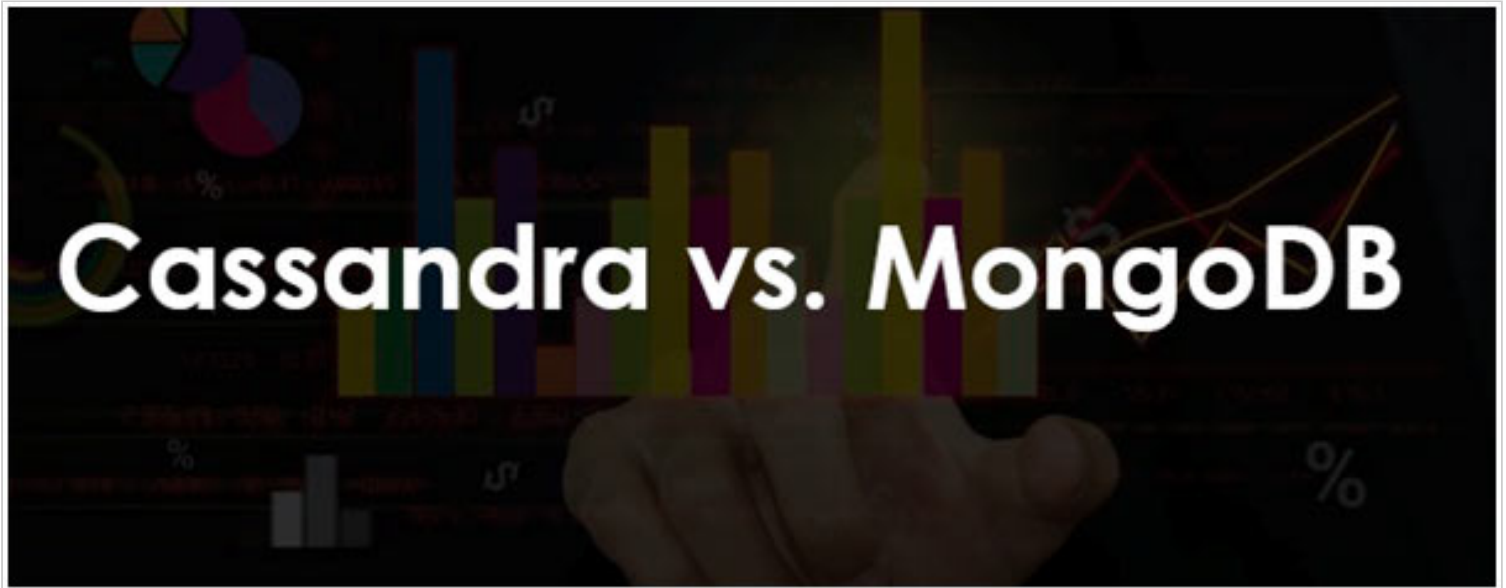

March 04, 2018   👁 3123 Views   💬 0 Comment(s)

𝐟 (https://www.facebook.com/sharer/sharer.php?u=https://intellipaat.com/blog/cassandra-vs-mongodb-differences/) 🐦 (https://twitter.com/home?status=https://intellipaat.com/blog/cassandra-vs-mongodb-differences/) G⁺ (https://plus.google.com/share?url=https://intellipaat.com/blog/cassandra-vs-mongodb-differences/) in (https://www.linkedin.com/shareArticle?mini=true&url=https://intellipaat.com/blog/cassandra-vs-mongodb-differences/)

Today in this world where your existence is judged by your online presence, the amount of data is increasing more and more everyday and its storage and management has become one of the very big issues. Data scientists (https://intellipaat.com/hadoop-data-science-statistics-probability-training/)are working hard and are inventing newer techniques for handling such big data every single day. Social media, IT industries and every way of using the internet have been collectively taking part in enhancing the dimension of data. The existing ways of storing data are lesser in number compared to the total amount of data. The available rows and columns are not enough to take care of the continuously enlarging data because most of the data generated are the unstructured ones.

As the size of data keeps on changing, the scientists have discovered that the conventional databases have to be replaced with the newer and advanced ways of storing tools. NoSQL and Hadoop are faster-growing technologies which companies use for storage and management of their data. Although Hadoop gets more recognition for data storage, but observing various surveys it is found that practically NoSQL is better and more advanced. NoSQL assembles effective relevance that constrains the production all the way through whereabouts of commitments. In this article of mine, I will be discussing two NoSQL databases named as MongoDB and Cassandra.
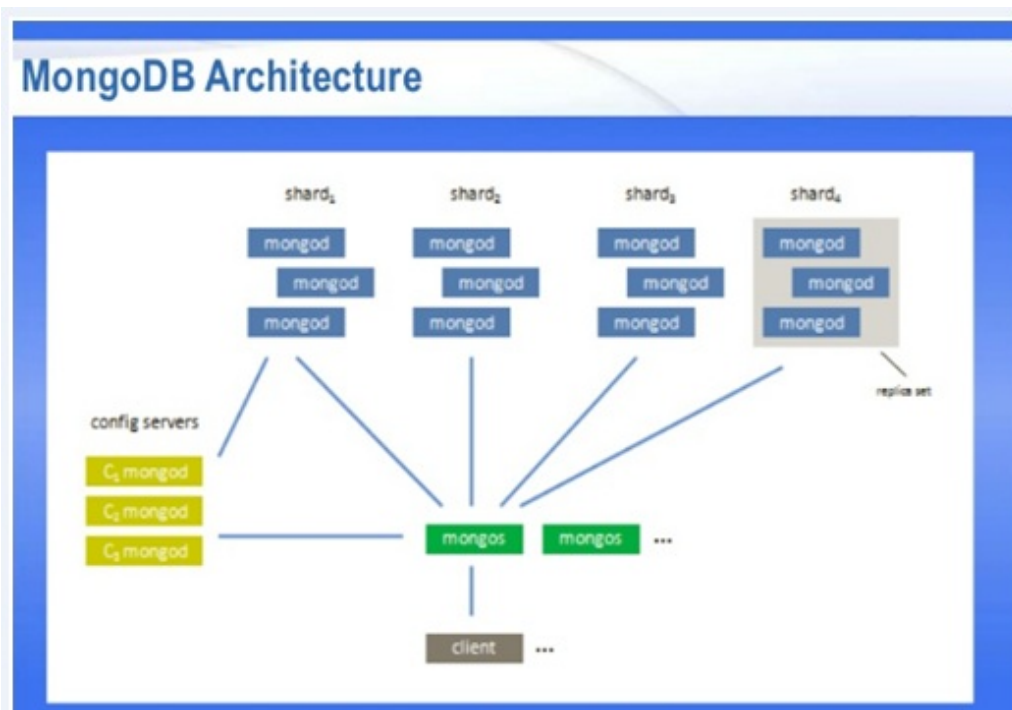
MongoDB

(https://cdn.intellipaat.com/blog/wp-content/uploads/2016/06/a1.jpg)
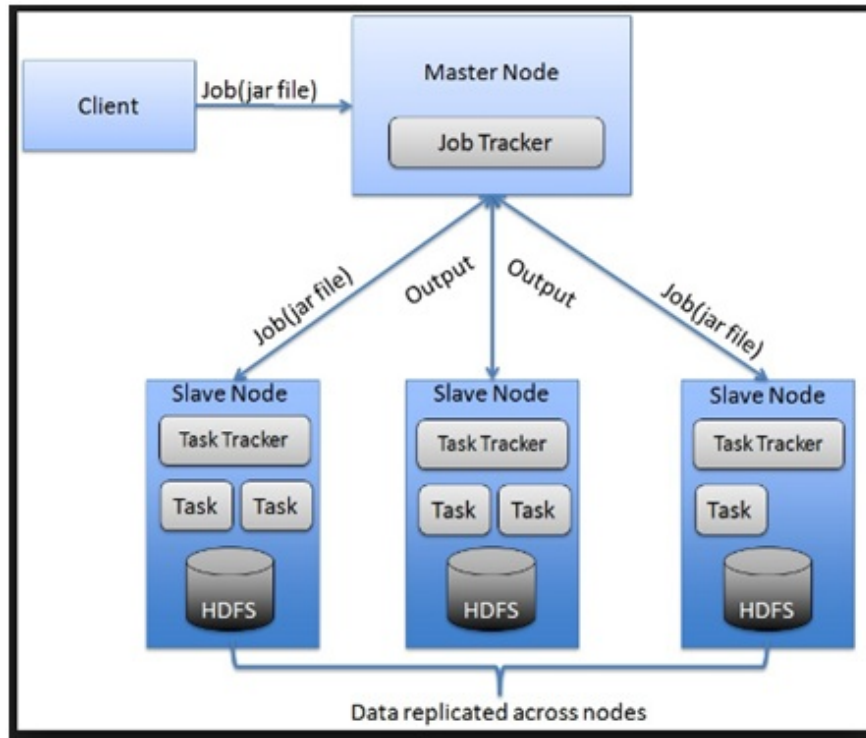
MongoDB (https://intellipaat.com/mongodb-training/) is a reasonable move, towards a large number of applications. Its activities and performance are similar to the conventional and old style of storage systems. So it is quite easy and comfortable to use. This database is quite elastic and expandable as a result of which it has become user-friendly and also helps users in the network. Only because of its ease of use, MongoDB is popular among the engineers who take no time in working with this database. It has got a master and slave architecture.

When we use MongoDB, we use the same data model in both the database as well as in the code, hence it requires no layering of complicated mapping. As a result, it becomes very simple to use which

hence it requires no layering of complicated mapping. As a result, it becomes very simple to use which makes it immensely popular among the users.

It is never tough in going with MongoDB because companies which know this tool can take their investments in return making it tension free to stay reliable only on few databases. It is prepared for use in the online transaction processes. It performs and solves complicated situations but still it cannot be regarded as the perfect one. It does not help in the complicated transactions.

•

Want to master NoSQL? Click Here (https://intellipaat.com/nosql-cassandra-hbase-training/)

Advantages of MongoDB

- Scalability
- Flexibility
- User-friendly
- No concept of rows and columns
- No re-establishment of indexing

- Disadvantages of MongoDB

- Memory is not expandable
- Joins can be done only through multiple queries
- No transactions can be done

Cassandra
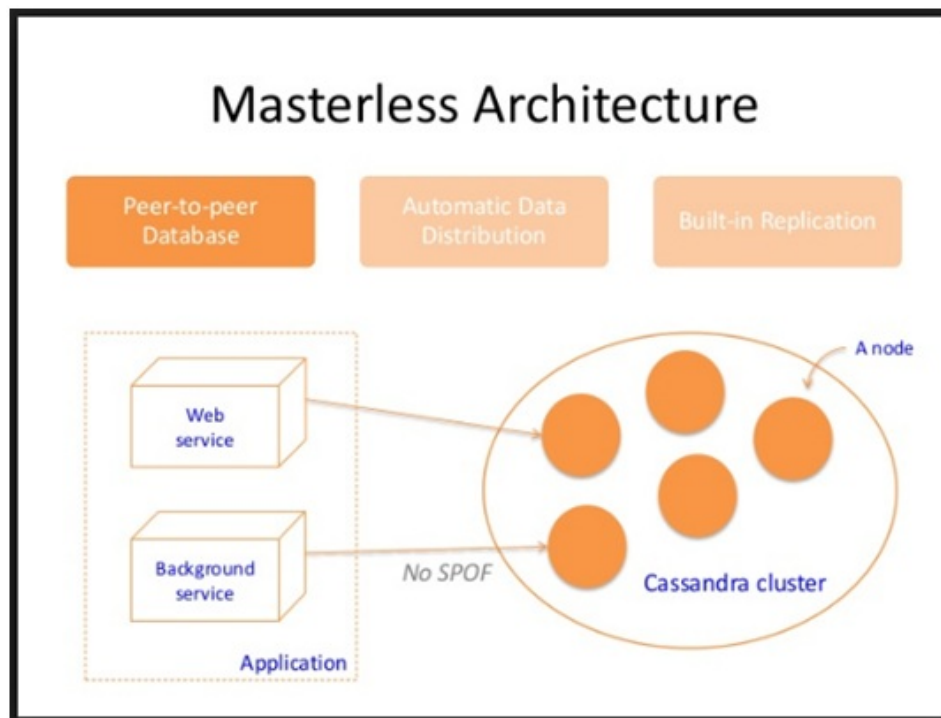
MongoDB is popular due to its ease of use but Cassandra (https://intellipaat.com/cassandra-training/) is popular for its ease of management facility that too in expanded form. When users tend to construct the conventional data more dependable with more speed, they will come closer towards Cassandra. Cassandra has a structural design where the whole sum of space is stretchable by the accumulation of external devices in allied on rows and columns by means of their own assets. It supports a multiple numbers of data centers working together. With a master-less architecture, Cassandra offers a great performance by its quality of great scalability, awesome writings and also great solving of queries.
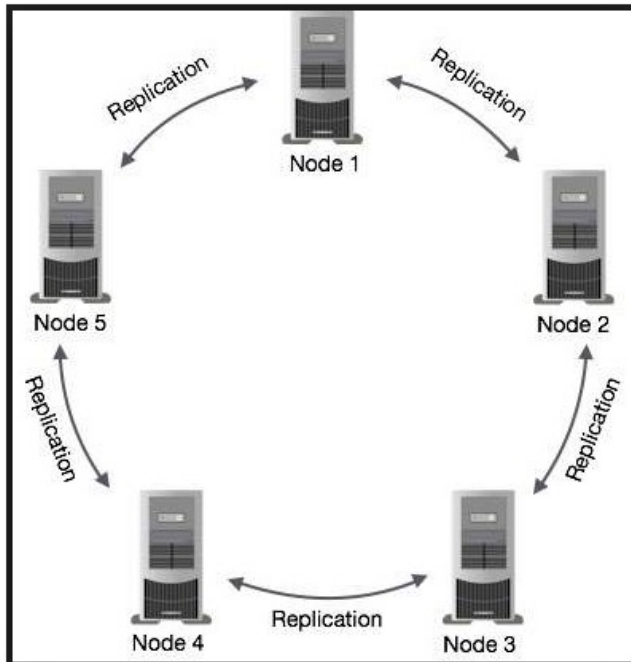
Deploying newer technologies for you becomes very simple and comfortable once you know the interiors of Cassandra technology. The training of Cassandra is just a question of only some hours. A proper training and certification of Cassandra lead you to immense understandings and an ocean of opportunities. Once you become completely aware of the Cassandra data model and its functioning processes, one can successfully develop Cassandra's applications.

Get Started with Mongodb ! Learn from Experts (https://intellipaat.com/mongodb-training/)

- ## Advantages of Cassandra

- Free of cost
- Peer to peer structural design
- Elasticity
- Fault tolerance
- Great Performer
- Column based
- Adjustable steadiness
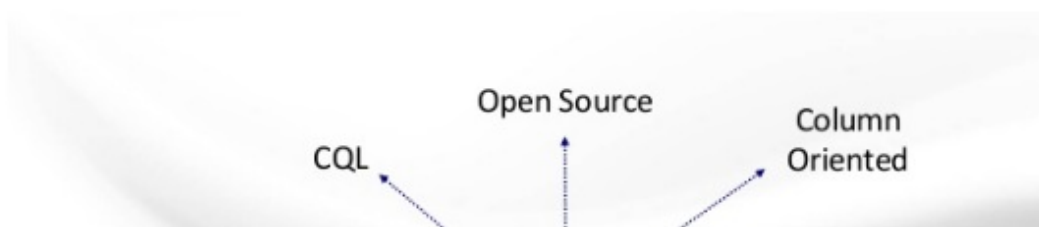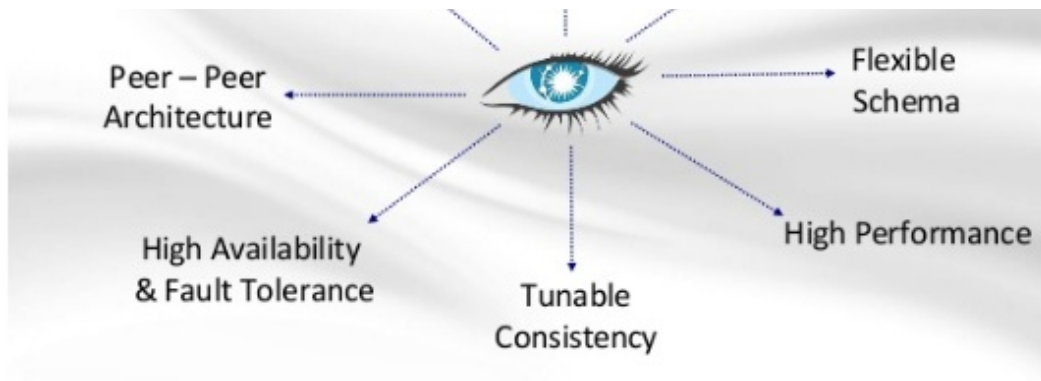
- ## Disadvantages of Cassandra

- No support to Data Integration
- No streaming of globule values.
- No cursor support,
- Large outputs must be physically paged

This was about few of the differences between the two databases – Cassandra and MongoDB. If you guys have any other points which I may have left, please do share by writing down in the comment box.

Related Articles

[()](#)

[()](#)

[()](#)

Cassandra (https://intellipaat.com/blog/category/no-sql/cassandra/)

MongoDB (https://intellipaat.com/blog/category/no-sql/mongodb/)

NoSQL (https://intellipaat.com/blog/category/no-sql/)

Trending Article (https://intellipaat.com/blog/category/trending-article/)

Suggested Articles
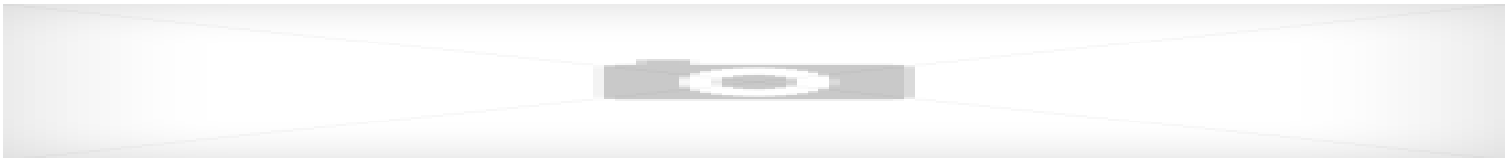
()   Read More ()
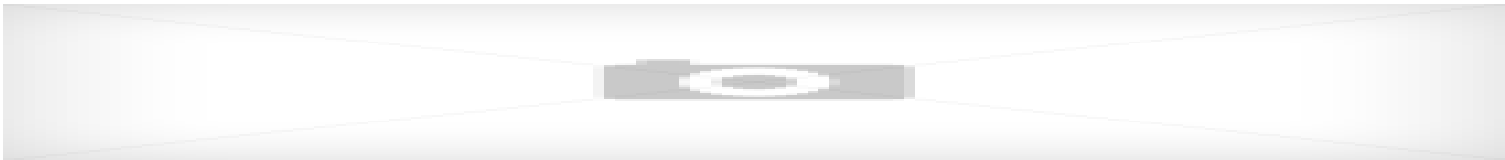
()   Read More ()

0 Comments   **intellipaat.com**   1 **Login**

♡ Recommend   📤 Share   Sort by Best

Start the discussion…

LOG IN WITH   OR SIGN UP WITH DISQUS ?

Name

Be the first to comment.

ALSO ON INTELLIPAAT.COM

Post Associated Articles

Cassandra Online Training – Preparing Professionals to Solve Next-Gen Computing Issues (HTTPS://INTELLIPAAT.COM/BLOG/CASSANDRA-ONLINE-TRAINING-PREPARING-PROFESSIONALS-TO-SOLVE-NEXT-GEN-COMPUTING-ISSUES/)
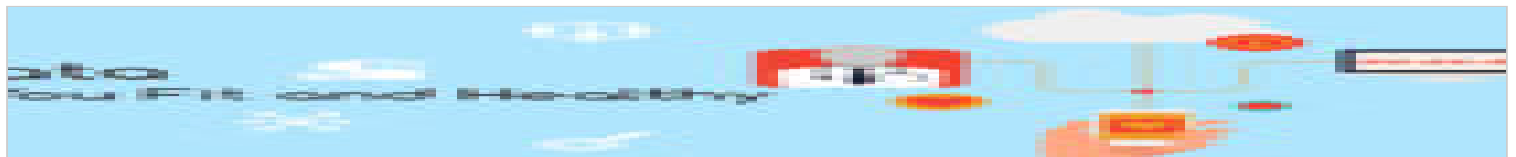
Read More (https://intellipaat.com/blog/cassandra-online-training-preparing-professionals-to-solve-next-gen-computing-issues/)

Cassandra Online Training- Pros of an online program (HTTPS://INTELLIPAAT.COM/BLOG/CASSANDRA-ONLINE-TRAINING-PROS-OF-AN-ONLINE-PROGRAM/)

Read More (https://intellipaat.com/blog/cassandra-online-training-pros-of-an-online-program/)

Big Data Keeps You Fit and Healthy (HTTPS://INTELLIPAAT.COM/BLOG/BIG-DATA-KEEPS-YOU-FIT-

Recommended Course

Subscribe Newsletter

jondoe@email.com

Submit