



# Big Data infrastructure Market is the cornerstone of the enterprises to analyze the large data sets.

*Organizations of all types are looking towards implementing the Big Data to make more favorable and fast decision making approach towards their businesses.*

HYDERABAD, TELANGANA, INDIA, September 3, 2018 /EINPresswire.com/ -- [Big Data infrastructure](#) is the cornerstone of the enterprises to sort, store, process and analyze the large data sets. An enterprise generates data in large volume with high velocity and veracity which cannot be stored and processed traditionally and this raises the demand for emerging data intensive analytical technology.

Organizations of all types are looking towards implementing the Big Data to make more favorable and fast decision making approach towards their businesses. Unfortunately, the organizations does not possess suitable infrastructure for data analytics of their Big Data. The other challenges are setting up of big data on cloud environment, building infrastructure and non-availability of data analytics expertise.

The Big Data service providers are providing the organizations with appropriate infrastructure model for smooth deployment of Big Data technologies. CISCO group has unveiled its own Cisco Unified computing system (UCS) integrated infrastructure for Big Data which can employ powerful computing to deliver industry dominant performance.

The driving force for implementation of Big Data is software-both infrastructure and analytics. In infrastructure, Hadoop is used in Big Data management software to distribute, catalog, query and manage the data across multiple horizontally scaled server nodes. The important components of Hadoop are HDFS which provides the data storage and MapReduce which can perform parallel processing of large data sets.

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Cloudera is a revolutionizing enterprise data management who offer unified platform for Big Data built on Hadoop. According to report Tata Communications and Cloudera strategically announced partnership to tap the Big Data through Cloudera machine learning and analytics capabilities which offer enterprises to capture, store, analyze data at various formats and across multiple sources.

Cisco and Cloudera collaborated together to deliver end to end data management and governance to businesses who are looking to tame the Big Data through Cisco UCS and Cloudera software and services. IBM is promoting its own data analytics solution which is alternative to Hadoop architecture known as IBM InfoSphere BigInsight. It has capabilities such as high availability, performance and ease of use to Hadoop ecosystem.

Until recently it was hard for the companies to get into Big Data without making heavy investments in infrastructure. IBM InfoSphere BigInsight, Amazon Web Services (AWS) have opened access for the organizations to utilize the Big Data by providing Data, analytics and cloud services by AWS. The application of Big Data in Infrastructure are health, transportation, logistics, infrastructure, aviation and automation.

As the advancement incorporated in data analytics and storage, cloud computing in particular has opened a lot of options for using Big Data as business can store the data without having to invest in on-site storage and processing facilities. According to 2018 annual report of Cloudera, the company generated a revenue of \$103.5 million and an increase of 42% was recorded than previous quarter fiscal year 2017. The subscription revenue of services was \$84.3 million, an increase of 50% was recorded than previous year 2017.

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The statistics unveils the increase in demand for Big data in infrastructure is increasing as companies are becoming more data oriented and is leveraging to increase their business output. Usually small and medium enterprises face the challenges in implementing data analytics because of high investment in infrastructure they intend to lease the services of Big data analytics vendors to keep the cost low and maintain the business output. It is widening the path for enterprises involve in Big data analytics and making its market to grow at higher pace as more and more enterprises are making their businesses data analytics oriented.

Big Data Infrastructure market report is segmented as indicated below:

1. Big Data Infrastructure Market – By Deployment

- 1.1. Introduction
- 1.2. On-Premise
- 1.3. On Cloud
- 1.4. Hybrid

2. Big Data Infrastructure Market - By Architecture

- 2.1. Cluster Design
  - 2.1.1. Data Node
  - 2.1.2. Client Node
  - 2.1.3. Name Node
  - 2.1.4. Job Tracker
- 2.2. Hardware Architecture
- 2.3. Network Architecture
- 2.4. Storage Architecture
- 2.5. Information security Architecture

3. Big Data Infrastructure Market - By Storage

- 3.1. Network Attached Storage (NAS)
- 3.2. Storage Area Network (SAN)
- 3.3. Direct Attached Storage (DAS)
- 3.4. Cloud Storage

4. Big Data Infrastructure Market – By Analytical Tool

- 4.1. Hadoop
- 4.2. NoSQL
- 4.3. Massive Parallel Processing (MPP)

5. Big Data Infrastructure Market - By Application

- 5.1. E-health
- 5.2. Artificial intelligence
- 5.3. Transportation and Logistics
- 5.4. Government monitoring
- 5.5. Electronics

- 5.6. Aviation
- 5.7. Automotive
- 5.8. Social Network

- 6. Big Data Infrastructure Market – By Entropy
- 7. Big Data Infrastructure Market – By Geography

#### Companies Cited/Referenced/Interviewed

Amazon web services  
Cloudera  
Concurrent  
Dataguise  
Dell  
HP  
IBM  
MapR technologies  
Microsoft  
Oracle  
Dell EMC  
Treasure Data  
Pivotal  
Qubole  
Snowflake  
Syncsort  
Teradata  
Company 20+

#### Related Report:

##### A. Big Data Enterprise Market

<https://industryarc.com/Report/17941/big-data-enterprise-market.html>

##### B. Big Data Consulting Market

<https://industryarc.com/Report/17928/big-data-consulting-market.html>

#### What can you expect from the report?

The Big Data Infrastructure Market Report is Prepared with the Main Agenda to Cover the following 20 points:

1. Market Size by Product Categories
2. Market trends
3. Manufacturer Landscape
4. Distributor Landscape
5. Pricing Analysis
6. Top 10 End user Analysis
7. Product Benchmarking
8. Product Developments
9. Mergers & Acquisition Analysis
10. Patent Analysis
11. Demand Analysis ( By Revenue & Volume )
12. Country level Analysis (15+)
13. Competitor Analysis
14. Market Shares Analysis
15. Value Chain Analysis
16. Supply Chain Analysis
17. Strategic Analysis
18. Current & Future Market Landscape Analysis

- 19. Opportunity Analysis
- 20. Revenue and Volume Analysis

#### Frequently Asked Questions:

Q. Does IndustryARC publish country, or application based reports in Big Data Infrastructure Market?

Response: Yes, we do have separate reports and database as mentioned below:

1. North America Big Data Infrastructure Market (2018-2023)
2. South America Big Data Infrastructure Market (2018-2023)
3. Europe Big Data Infrastructure Market (2018-2023)
4. Asia Pacific Big Data Infrastructure Market (2018-2023)
5. Middle East and Africa Big Data Infrastructure Market (2018-2023)
6. Cloud Storage market for Big Data Infrastructure Market (2018-2023)
7. Cluster Design Market for Big Data Infrastructure Market (2018-2023)
8. Strong flavor market for Big Data Infrastructure Market (2018-2023)
9. Artificial intelligence market for Big Data Infrastructure Market (2018-2023)
10. Transportation and Logistics market for Big Data Infrastructure Market (2018-2023)
11. Electronics market for Big Data Infrastructure Market (2018-2023)
12. Aviation market for Big Data Infrastructure Market (2018-2023)
13. Automotive market for Big Data Infrastructure Market (2018-2023)
14. Social Network market for Big Data Infrastructure Market (2018-2023)

Q. Does IndustryARC provide customized reports and charge additionally for limited customization?

Response: Yes, we can customize the report by extracting data from our database of reports and annual subscription databases. We can provide the following free customization:

1. Increase the level of data in application or end user industry.
2. Increase the number of countries in geography or product chapter.
3. Find out market shares for other smaller companies or companies which are of interest to you.
4. Company profiles can be requested based on your interest.
5. Patent analysis, pricing, product analysis, product benchmarking, value and supply chain analysis can be requested for a country or end use segment.

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