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Latest Update "**Distributed Storage System Market - Global Industry Analysis, Size, Share, Growth, Trends, and Forecast 2018 - 2026**" with Industries Survey | Global Current Growth and Future.

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Distributed data storage is a concept of storing data on a number of standard servers that act as a single storage unit while the data is distributed amid the specific number of servers. One can conclude that a distributed storage system is a more advanced form of the concept of software defined storage (SDS). One of the vital reasons for the popularity of distributed data storage solutions are its flexibility. The DSS uses a standard server that is powerful. Moreover, they allow storage to act as the software application more like a database or an operating system.

It therefore no longer requires any specialized storage box to handle the dedicated function of data storage management. This therefore simplifies the information technology stack and creates a single block for the data center. This in turns give the freedom of scaling by adding more servers which increases both the capacity and performance. The second benefit of distributed data storage solution is speed. In a DSS system, any standard server has a central processing unit, network interface, RAM and drives all these components to behave as one group. So at any point of time, if one adds a server, there is

an increment in the total components and this thereby increases the speed of the entire system.

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Cost is yet another important benefit of distributed storage systems. The system optimally utilizes the standard server drives and network that are less expensive. This also means less power, cooling, and space utilization required in a datacenter. Moreover, it is simple to manage the distributed storage system that effectively decreases the need for large staff that would be required to run the IT infrastructure.

The distributed storage system market is driven by the need for more cost effective storage solutions that are scalable and utilizes the existing information technology (IT) infrastructure. The market finds healthy opportunity to grow as the year-on-year data release is increasing. Moreover, small and medium enterprises are expected to be the lucrative end-users of such arrangements.

The major market indicator for the distributed storage system market is Internet of Things (IoT). The number of connected devices is rising drastically year-on-year, effectively challenging the existing boundaries of storage. Additionally, the rise in decentralized applications built of black chain technology has created challenges as they also exchange

huge amounts of data that need to be managed and stored. Therefore, data accumulation is creating demand for DSS.

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The distributed storage system (DSS) market can be bifurcated on the basis of deployment, enterprise size, and region. On the basis of deployment, the market can be bifurcated as on- premise and cloud based. Based on enterprise size, the market can be bifurcated into large enterprise, medium enterprise, and small enterprises. On the basis of region, the market can be bifurcated as North America, Europe, Asia Pacific, South America, and Middle East & Africa.

Key players in the distributed data storage market are ZTE Corporation, Flexiant IP Ltd., Red Hat, Storj Labs Inc., Sia, MaidSafe, and Allerin.

The report offers a comprehensive evaluation of the market. It does so via in-depth qualitative insights, historical data, and verifiable projections about market size. The projections featured in the report have been derived using proven research methodologies and assumptions. By doing so, the research report serves as a repository of analysis and

information for every facet of the market, including but not limited to: Regional markets, technology, types, and applications.

### **The study is a source of reliable data on:**

- Market segments and sub-segments
- Market trends and dynamics
- Supply and demand
- Market size
- Current trends/opportunities/challenges
- Competitive landscape
- Technological breakthroughs
- Value chain and stakeholder analysis

### **The regional analysis covers:**

- North America (U.S. and Canada)
- Latin America (Mexico, Brazil, Peru, Chile, and others)
- Western Europe (Germany, U.K., France, Spain, Italy, Nordic countries, Belgium, Netherlands, and Luxembourg)
- Eastern Europe (Poland and Russia)
- Asia Pacific (China, India, Japan, ASEAN, Australia, and New Zealand)
- Middle East and Africa (GCC, Southern Africa, and North Africa)

The report has been compiled through extensive primary research (through interviews, surveys, and observations of seasoned analysts) and secondary research (which entails reputable paid sources, trade journals, and industry body databases). The report also features a complete qualitative and quantitative assessment by analyzing data gathered from industry analysts and market participants across key points in the industry's value chain.

A separate analysis of prevailing trends in the parent market, macro- and micro-economic indicators, and regulations and mandates is included under the purview of the study. By doing so, the report projects the attractiveness of each major segment over the forecast period.

### **Highlights of the report:**

- A complete backdrop analysis, which includes an assessment of the parent market
- Important changes in market dynamics
- Market segmentation up to the second or third level
- Historical, current, and projected size of the market from the standpoint of both value and volume
- Reporting and evaluation of recent industry developments
- Market shares and strategies of key players
- Emerging niche segments and regional markets
- An objective assessment of the trajectory of the market

- Recommendations to companies for strengthening their foothold in the market

A huge amount of digital data is created every day, with the amount of data per person growing exponentially each year. This has led to major complexity in storing and retrieving data. However, over a period of time the data storage technique has evolved, in order to accommodate the rising needs of enterprises and individuals. The traditional method of data storage is no longer useful. Moreover, traditional data storage solutions, specifically the stand alone, dedicated storage box is ineffective both for technical and economic reasons.

With the growing need for a better and effective approach for storing data, technocrats and large firms have been involved in continuous research and development to develop efficient data storage solutions. Currently, distributed storage is the most effective way of storing data.

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