

# **In-Memory Database Market by Application (Transaction, Reporting, Analytics), Data Type (Relational, SQL, and NEWSQL), Processing Type (OLAP and OLTP), Deployment Model, Organization Size, Vertical, and Region - Global Forecast to 2021**

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## **Abstracts**

Faster data processing is one of the drivers for the growth of the in-memory database market

The in-memory database market size is estimated to grow from USD 2.72 billion in 2016 to USD 6.58 billion by 2021, at a Compound Annual Growth Rate (CAGR) of 19.3%. Faster data processing, falling RAM prices, and massive amount of data being generated from various industries has fueled the growth of in-memory database solutions. However, memory space constraints and lack of standards are acting as the restraining factors for the in-memory database market.

Relational data type is expected to be the fastest growing component in the in-memory database market

The relational data type segment is inevitably gaining traction in the in-memory database market as it offers standard interfaces to integrate data and reporting. Relational databases have been dominating the software industry over a long period, providing various mechanisms for storing data, concurrency control, and transaction. These types of in-memory database uses the main memory for carrying out operational transaction processing. Furthermore, the increasing availability of in-memory solutions that hold content of relational database over memory such as in Redis (open source in-memory database) are anticipated to dominate the market during coming years. For instance, Facebook uses MySQL to store user data, but relies on Memcache (cache

system) to get material quickly to users.

Asia-Pacific (APAC) is expected to have the highest growth rate in the in-memory database market by region

APAC is estimated to grow at the highest CAGR during the forecast period. The developing APAC market is poised to grow, as the developing economies, such as India and China, are adopting the in-memory database technologies to stay ahead in the competition. The initiatives taken by major countries in APAC such as India, China, and others in digitalization and promotion of the emerging technologies such as mobility, Internet of Things (IoT), cloud, Business Intelligence (BI), and analytics have provided tremendous opportunities for the market players to invest heavily in the in-memory database market. APAC market would outshine other markets in the coming years owing to the development fostering government rules and regulations and overflowing Foreign Direct Investments (FDI) in the region.

In the process of determining and verifying the market size for several segments and subsegments gathered through secondary research, extensive primary interviews were conducted with key people. Break-up of profile of primary participants is as follows:

By Company: Tier 1 – 17 %, Tier 2 – 50% and Tier 3 – 33%

By Designation: C level – 19%, Director level – 26%, Others – 55%

By Region: North America – 60%, Europe – 10%, APAC – 30%

The in-memory database ecosystem comprises the following major vendors:

1. Microsoft Corporation (U.S.)
2. IBM Corporation (U.S.)
3. Oracle Corporation (U.S.)
4. SAP SE (Germany)
5. Teradata Corporation (U.S.)
6. Amazon Web Services (U.S.)
7. Tableau software (U.S.)
8. Kognitio Ltd. (U.K.)
9. Volt DB (U.S.)
10. DataStax (U.S.)

11. ENEA (Sweden)
12. McObject LLC (U.S.)
13. Altibase Corporation (U.S.)

#### Scope of the Report:

The report segments the in-memory database market on the basis of applications, which includes transaction, reporting, analytics, and others; data types such as relational, NoSQL, and NewSQL; processing types such as Online Analytical Processing (OLAP) and Online Transaction Processing (OLTP); deployment models such as on-premises and on-demand; organization size such as large enterprises and small & medium enterprises; verticals such as BFSI, government & defense, healthcare & life sciences, retail & consumer goods, transportation & logistics, IT & telecommunication, manufacturing, energy & utility, and others; and regions including North America, Europe, Asia–Pacific (APAC), Middle East & Africa (MEA), and Latin America.

#### Reasons to Buy the Report:

To get a comprehensive overview of the global in-memory database market

To gain wide-ranging information about the top players in this market sphere, their product portfolios, and key strategies adopted by them

To gain insights of the major countries/regions in which the in-memory database market is flourishing in various industries

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