

# Cloud Database and DBaaS Market by Database Type (SQL and NoSQL), Component (Solutions & Services), Deployment Mode, Organization Size, Vertical (BFSI, IT & Telecom, Manufacturing, Healthcare & Life Sciences) and Region - Global Forecast to 2028

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# **Abstracts**

The global Cloud Database and DBaaS market size is expected to grow from USD 21.3 Billion in 2023 to USD 57.5 Billion by 2028 at a Compound Annual Growth Rate (CAGR) of 22.0% during the forecast period. Companies are gradually shifting away from onpremises solutions and towards cloud, DBaaS, and SaaS-based solutions that provide mobile accessibility and other intuitive services. The model's affordability addresses specific database requirements by targeting businesses of all sizes. These solutions typically provide low-cost options and rapid service deployment.

"Private Cloud segment to have significant growth during the forecast period."

A private cloud is a cloud computing environment that is exclusively used by one client. Many of the advantages of cloud computing are combined with the security and management of on-premises IT infrastructure in this method. Data is kept secure and private in the private cloud thanks to internal hosting and firewalls. Additionally, it makes sure that third-party providers cannot access sensitive or operational data. Due to the ease (or the fact that private cloud is the only way) of satisfying regulatory compliance requirements, many businesses prefer private cloud over public cloud (cloud computing services delivered over infrastructure shared by multiple customers). Others opt for private clouds because their workloads involve sensitive information such as medical records, financial data, intellectual property, and confidential documents. An organization gives itself the flexibility to quickly move workloads to the public cloud or run them in a hybrid cloud (mixed public and private cloud) environment whenever



they're ready by building private cloud architecture in accordance with cloudnative principles. A private cloud is a single-tenant environment, which means that only
one customer has isolated access to all resources. Private clouds are frequently hosted
in the customer's data center on-site. However, private clouds can also be built on
rented infrastructure housed in an offsite data center or hosted on the infrastructure of a
different cloud provider. The customer can manage everything themselves or outsource
partial or full management to a service provider. Management models also differ.
Building a private cloud enables all businesses—even those in highly regulated
industries—to take advantage of many cloud computing advantages without giving up
security, control, or customization.

"IT & Telecom vertical to grow at the highest market size during the forecast period."

A public, private, or hybrid cloud computing platform houses a managed and organized collection of data called a cloud database. A cloud database is identical to an onpremises database that runs on a company's own data centre systems in terms of overall design and functionality. Security continues to be the biggest challenge for tech companies, just like in other sectors. Their use of cloud computing is where they veer of course. Tech companies are concentrated on cost optimization and extending their product or service offerings, whereas other industries are using the cloud to create new operational methods or processes. Unsurprisingly, tech firms are the most likely to have a written cloud learning strategy and include it in the duties assigned to their teams. And when it comes to their skill gaps, their technologists and leaders are on the same page. Cloud architecture and cloud security were identified as the top two skills gaps by both leaders and technologists.

"Cloud Database and DBaaS market in Asia Pacific to grow at the highest CAGR during the forecast period."

Rising cloud database service adoption and a significant increase in enterprise data in the region's small and medium businesses are the main drivers of the market's expansion. Additionally, the expanding use of digital solutions in a number of nations, including China, Japan, and India, presents a sizable opportunity for market expansion. There are many nations and people living in the Asia-Pacific region. The population of this region makes up almost 60% of the entire world's population. Australia, Japan, China, and Singapore are some of the major nations in this region, though it is divided into different categories. Even though there are more nations on the list, these are just some of the biggest names in the region. Due to the overall negative effects of the Covid-19 pandemic on the global economy, it was only natural for this area to suffer



significantly. The majority of the nations in this region had long-standing office work cultures. Their IT infrastructures were therefore created in the same manner. All of this abruptly changed when the pandemic began to devastate their sizable populations and economies. Enterprise databases are becoming more and more important as more businesses go online and adopt digital technologies like the Cloud. In the context of today's primarily data-driven world, databases are also crucial.

A lot of businesses in the Asia Pacific region have chosen Database as a Service (DBaaS) models that are powered by the cloud to give their operations the much-needed breathing room and competitive edge in this quickly changing environment. Businesses based in the Asia Pacific region responded to the pandemic similarly to the rest of the world. The only distinction is that local businesses have taken a little longer to evolve their IT infrastructures around cloud technologies.

Further, many in-depth interviews were conducted with the Chief Executive Officers (CEOs), Chief Marketing Officers (CMO), Chief Operating Officers (COOs), Chief Technology Officers (CTOs), Vice Presidents (VPs), Managing Directors (MDs), domain heads, technology and innovation directors, and related key executives from various major companies and organizations operating in the Cloud Database and DBaaS software market

By Company – Tier 1–35%, Tier 2–25%, and Tier 3–40%

By Designation – C-Level Executives–25%, Directors–30%, and Others–45%

By Region – North America–42%, Europe–25%, APAC–18%, RoW – 15%

Cloud Database and DBaaS software vendors include Google (US), Microsoft (US), AWS (US), IBM (US), Oraclev (US), Alibaba Cloud (China), SAP (Germany), MongoDB (US), EnterpriseDB (US), Redis Labs (US), Tencent (China), Rackspace (US), Teradata (US), CenturyLink (US), Neo4J (US), Datastax (US), Tigergraph (US), MariaDB (US), RDX (US), SingleStore (US). The study includes an in-depth competitive analysis of these key players in the Cloud Database and DBaaS software market with their company profiles, recent developments, and key market strategies.

# Research Coverage

The research study covered inputs, insights, trends, and happenings from secondary



sources, primary sources, stakeholders' interviews, and surveys. Secondary sources include information from databases and repositories such as D&B Hoovers, Bloomberg, Factiva, and CoinDesk, among others. Primary data was fetched from supply-side industry experts who hold the chair of Chief Executive Officer (CEO), Chief Technological Officer (CTO), Chief Operating Officer (COO), Vice-President (VP) of IT, and Managing Director (MD), among others. A few of our key primary respondents are IBM, Microsoft, Oracle, among others. A few startups are also included during our primary interviews. Additionally, we have taken information and statistical and historical data from a few government associations, public sources, webinar and seminar transcripts, journals, conferences, and events.

# Reasons to buy this report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall Cloud Database and DBaaS Software market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities. The report incorporates a key section incorporating the company profiles in the market in which it has been exhaustively evaluated the vendors in terms of product portfolio offerings and business strategies followed. This will give a holistic view of the current standing of the key players in the market and the ongoing developments encompassing partnerships, agreements, collaborations, mergers and acquisitions, joint ventures, new product or service launches, and business expansions. This evaluation will help the buyers understand how the major vendors are achieving service differentiation, and buyers can understand the need gap analysis for the existing services and new services that are needed to cater to these newly developed solutions for this market. The report can help the buyers to understand major services as well as driving factors that are becoming key growth drivers of the development of buyers in these services.

The report provides insights on the following pointers.

Analysis of key drivers (Increasing digitalization of content and need for effective collaboration of corporate assets, the emergence of cloud-based delivery options, growing need for controlled access and better security of digital assets to avoid copyright issues, increasing organizational focus on digital marketing, the focus on enhancing digital experience of customers among enterprises),



restraints (high upfront costs associated with implementation and integration), opportunities (emergence of AI to automate processes, infusion of advanced encryption technologies to streamline digital trading), and challenges (fulfilling metadata requirements for enabling quick access to digitally stored assets) influencing the growth of the Cloud Database and DBaaS Software market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the Cloud Database and DBaaS Software market

Market Development: Comprehensive information about lucrative markets – the report analyses the Cloud Database and DBaaS Software market across varied regions.

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the Cloud Database and DBaaS Software market

Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players, like include Google (US), Microsoft (US), AWS (US), IBM (US), Oraclev (US), Alibaba Cloud (China), SAP (Germany), MongoDB (US), EnterpriseDB (US), Redis Labs (US), Tencent (China), Rackspace (US), Teradata (US), CenturyLink (US), Neo4J (US), Datastax (US), Tigergraph (US), MariaDB (US), RDX (US), SingleStore (US) among others in the Cloud Database and DBaaS software market strategies. The report also helps stakeholders understand the competitive analysis of these market players.



# **Contents**

#### 1 INTRODUCTION

- 1.1 STUDY OBJECTIVES
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE
  - 1.3.1 MARKET SEGMENTATION
  - 1.3.2 INCLUSIONS & EXCLUSIONS
  - 1.3.3 REGIONS COVERED
- 1.4 YEARS CONSIDERED
- 1.5 CURRENCY CONSIDERED

TABLE 1 USD EXCHANGE RATES, 2019–2022

- 1.6 STAKEHOLDERS
- 1.7 SUMMARY OF CHANGES

#### **2 RESEARCH METHODOLOGY**

2.1 RESEARCH DATA

FIGURE 1 RESEARCH DESIGN

- 2.1.1 SECONDARY DATA
- 2.1.2 PRIMARY DATA
- 2.1.2.1 Breakup of primary profiles

FIGURE 2 BREAKUP OF PRIMARY INTERVIEWS: BY COMPANY TYPE,

DESIGNATION, AND REGION

2.1.2.2 Primary respondents

**TABLE 2 PRIMARY RESPONDENTS** 

- 2.1.2.3 Key industry insights
- 2.2 MARKET BREAKUP AND DATA TRIANGULATION

FIGURE 3 DATA TRIANGULATION

2.3 MARKET SIZE ESTIMATION

FIGURE 4 CLOUD DATABASE AND DBAAS MARKET: TOP-DOWN AND BOTTOM-UP APPROACHES

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY – APPROACH 1 (SUPPLY-SIDE): REVENUE OF SERVICES OFFERED BY CLOUD DATABASE AND DBAAS VENDORS

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY – BOTTOM-UP APPROACH (SUPPLY-SIDE): COLLECTIVE REVENUE OF CLOUD DATABASE AND DBAAS VENDORS



FIGURE 7 MARKET SIZE ESTIMATION METHODOLOGY – APPROACH 2 (DEMAND-SIDE)

2.4 MARKET FORECAST
TABLE 3 FACTOR ANALYSIS
2.4.1 RECESSION IMPACT ANALYSIS
2.5 RESEARCH ASSUMPTIONS

2.6 LIMITATIONS AND RISK ASSESSMENT

#### **3 EXECUTIVE SUMMARY**

FIGURE 8 CLOUD DATABASE AND DBAAS MARKET: GLOBAL SNAPSHOT 3.1 OVERVIEW OF RECESSION IMPACT

FIGURE 9 MAJOR SEGMENTS OF CLOUD DATABASE AND DBAAS MARKET FIGURE 10 SQL SEGMENT TO ACCOUNT FOR LARGER SHARE DURING FORECAST PERIOD

FIGURE 11 SOLUTIONS SEGMENT TO ACCOUNT FOR LARGER SHARE DURING FORECAST PERIOD

FIGURE 12 PUBLIC CLOUD SEGMENT TO ACCOUNT FOR LARGEST SHARE DURING FORECAST PERIOD

FIGURE 13 LARGE ENTERPRISES SEGMENT TO LEAD MARKET DURING FORECAST PERIOD

FIGURE 14 IT & TELECOM SEGMENT TO ACCOUNT FOR LARGEST SHARE DURING FORECAST PERIOD

FIGURE 15 NORTH AMERICA TO ACCOUNT FOR LARGEST SHARE BY 2028

#### **4 PREMIUM INSIGHTS**

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN CLOUD DATABASE AND DBAAS MARKET

FIGURE 16 RISING DEMAND FOR DATABASES IN CORPORATES TO DRIVE GROWTH OF CLOUD DATABASE AND DBAAS SERVICES AND SOLUTIONS
4.2 CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023 VS. 2028
FIGURE 17 SQL SEGMENT TO ACCOUNT FOR LARGER SHARE IN 2023
4.3 CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023 VS. 2028
FIGURE 18 SOLUTIONS SEGMENT TO LEAD MARKET IN 2023

4.4 CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023 VS. 2028

FIGURE 19 PUBLIC CLOUD SEGMENT TO BE DOMINANT MARKET IN 2023 4.5 CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023 VS.



2028

FIGURE 20 LARGE ENTERPRISES SEGMENT TO ACCOUNT FOR LARGER SHARE IN 2023

4.6 CLOUD DATABASE AND DBAAS MARKET, BY VERTICAL, 2023 VS. 2028
FIGURE 21 IT & TELECOM VERTICAL TO LEAD MARKET IN 2023
4.7 CLOUD DATABASE AND DBAAS MARKET: REGIONAL SCENARIO, 2023–2028
FIGURE 22 ASIA PACIFIC TO EMERGE AS BEST MARKET FOR INVESTMENTS IN

**NEXT FIVE YEARS** 

#### **5 MARKET OVERVIEW**

- 5.1 INTRODUCTION
- **5.2 MARKET DYNAMICS**

FIGURE 23 CLOUD DATABASE AND DBAAS MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

- 5.2.1 DRIVERS
  - 5.2.1.1 Rising need for self-driving cloud databases
  - 5.2.1.2 Growing demand to process low-latency queries
  - 5.2.1.3 Need for structured data in various enterprises
  - 5.2.1.4 Increase in amount of data generated
- 5.2.2 RESTRAINTS
  - 5.2.2.1 Privacy and security concerns
  - 5.2.2.2 Shortage of technical knowledge and expertise
  - 5.2.2.3 Downtime or data inaccessibility
- 5.2.3 OPPORTUNITIES
  - 5.2.3.1 Increase in production of database workload
  - 5.2.3.2 Growing adoption of NoSQL database
- 5.2.3.3 Popularity of IoT and connected devices
- 5.2.4 CHALLENGES
  - 5.2.4.1 Need for strict adherence to regulatory and compliance policies
  - 5.2.4.2 Vendor lock-in risks
- 5.3 CASE STUDY ANALYSIS
- 5.3.1 CASE STUDY 1: HOLIDAYME ADOPTED REDIS LABS' SOLUTIONS TO ACHIEVE HIGH-SPEED FRAMEWORK WITH LOW LATENCY
- 5.3.2 CASE STUDY 2: KINCARD ADOPTED NEO4J'S SOLUTIONS TO AUTOMATE AND MANAGE COMPLEX WORKFLOWS
- 5.3.3 CASE STUDY 3: LOCSTAT ADOPTED INTEGRATED MODULES TO ACHIEVE EFFECTIVE MANAGEMENT
  - 5.3.4 CASE STUDY 4: SUPERCAT OUTPERFORMED AMAZON AURORA AND



SAVED DATABASE COSTS BY UPGRADING TO MARIADB XPAND

5.3.5 CASE STUDY 5: APERVITA ADOPTED MONGODB'S ATLAS SOLUTION TO

IMPROVE INTEROPERABILITY

5.4 ECOSYSTEM ANALYSIS

TABLE 4 COMPANIES AND THEIR ROLES IN MARKET ECOSYSTEM

5.5 VALUE CHAIN ANALYSIS

FIGURE 25 VALUE CHAIN ANALYSIS

FIGURE 24 ECOSYSTEM ANALYSIS

5.6 TECHNOLOGICAL ANALYSIS

5.6.1 ARTIFICIAL INTELLIGENCE

**5.6.2 BIG DATA** 

5.6.3 INTERNET OF THINGS

5.6.4 DATA ANALYTICS

5.6.5 MACHINE LEARNING

5.7 PATENT ANALYSIS

FIGURE 26 NUMBER OF PATENTS PUBLISHED, 2012-2022

FIGURE 27 TOP FIVE PATENT OWNERS (GLOBAL)

TABLE 5 TOP 10 PATENT APPLICANTS

5.8 PRICING ANALYSIS

TABLE 6 PRICING ANALYSIS

5.9 AVERAGE SELLING PRICE TREND

5.10 PORTER'S FIVE FORCES ANALYSIS

FIGURE 28 PORTER'S FIVE FORCES ANALYSIS

TABLE 7 PORTER'S FIVE FORCES ANALYSIS

5.10.1 THREAT OF NEW ENTRANTS

5.10.2 THREAT OF SUBSTITUTES

5.10.3 BARGAINING POWER OF SUPPLIERS

5.10.4 BARGAINING POWER OF BUYERS

5.10.5 INTENSITY OF COMPETITIVE RIVALRY

5.11 KEY STAKEHOLDERS & BUYING CRITERIA

5.11.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 29 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR KEY VERTICALS

TABLE 8 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR KEY VERTICALS

TABLE 9 KEY STAKEHOLDERS IN BUYING PROCESS FOR TOP THREE VERTICALS

5.11.2 BUYING CRITERIA

FIGURE 30 KEY BUYING CRITERIA FOR TOP INDUSTRIES



# TABLE 10 KEY BUYING CRITERIA FOR KEY END USERS 5.12 REGULATORY LANDSCAPE

5.12.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 11 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 12 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 13 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 14 ROW: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

- 5.12.2 REGULATORY IMPLICATIONS AND INDUSTRY STANDARDS
- 5.12.3 GENERAL DATA PROTECTION REGULATION
- 5.12.4 SEC RULE 17A-4
- 5.12.5 ISO/IEC 27001
- 5.12.6 SYSTEM AND ORGANIZATION CONTROLS 2 TYPE II COMPLIANCE
- 5.12.7 FINANCIAL INDUSTRY REGULATORY AUTHORITY
- 5.12.8 FREEDOM OF INFORMATION ACT
- 5.12.9 HEALTH INSURANCE PORTABILITY AND ACCOUNTABILITY ACT
- 5.13 TRENDS/DISRUPTIONS IMPACTING BUYERS

FIGURE 31 TRENDS/DISRUPTIONS IMPACTING BUYERS

5.14 KEY CONFERENCES & EVENTS, 2023

TABLE 15 LIST OF CONFERENCES & EVENTS, 2023

5.15 CLOUD DATABASE AND DBAAS MARKET: BUSINESS MODEL ANALYSIS

# 6 CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE

#### **6.1 INTRODUCTION**

6.1.1 DATABASE TYPES: CLOUD DATABASE AND DBAAS MARKET DRIVERS FIGURE 32 NOSQL SEGMENT TO RECORD HIGHER CAGR DURING FORECAST PERIOD

TABLE 16 CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 17 CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

- 6.2 STRUCTURED QUERY LANGUAGE (SQL)
- 6.2.1 NEED FOR ON-DEMAND ACCESS TO MANAGED RELATIONAL DATABASES TO DRIVE GROWTH



TABLE 18 SQL: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 19 SQL: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

6.3 NOT ONLY STRUCTURED QUERY LANGUAGE (NOSQL)

6.3.1 INCREASE IN DATA AND NEED FOR DYNAMIC SCALABLE DATABASE TO BOOST MARKET GROWTH

TABLE 20 NOSQL: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 21 NOSQL: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

# 7 CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT

# 7.1 INTRODUCTION

7.1.1 COMPONENTS: CLOUD DATABASE AND DBAAS MARKET DRIVERS FIGURE 33 SERVICES SEGMENT TO GROW AT HIGHER CAGR DURING FORECAST PERIOD

TABLE 22 CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 23 CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

7.2 SOLUTIONS

7.2.1 INCREASING ADOPTION OF ADVANCED TECHNOLOGIES TO ENCOURAGE USE OF CLOUD DATABASE AND DBAAS SOLUTIONS

TABLE 24 SOLUTIONS: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 25 SOLUTIONS: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

7.3 SERVICES

7.3.1 GROWING DEMAND TO STRENGTHEN GEOGRAPHICAL REACH OF SOLUTION VENDORS TO BOOST ADOPTION OF CLOUD DATABASE AND DBAAS SERVICES

TABLE 26 SERVICES: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 27 SERVICES: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

#### 8 CLOUD DATABASE AND DBAAS MARKET, BY SERVICE



#### 8.1 INTRODUCTION

8.1.1 SERVICES: CLOUD DATABASE AND DBAAS MARKET DRIVERS FIGURE 34 MANAGED SERVICES SEGMENT TO ACHIEVE HIGHER GROWTH DURING FORECAST PERIOD

TABLE 28 CLOUD DATABASE AND DBAAS MARKET, BY SERVICE, 2018–2022 (USD MILLION)

TABLE 29 CLOUD DATABASE AND DBAAS MARKET, BY SERVICE, 2023–2028 (USD MILLION)

8.2 PROFESSIONAL SERVICES

8.2.1 NEED FOR SPECIALIZED CLOUD DATABASE AND DBAAS SOLUTIONS TO DRIVE MARKET

TABLE 30 CLOUD DATABASE AND DBAAS MARKET, BY PROFESSIONAL SERVICE, 2018–2022 (USD MILLION)

TABLE 31 CLOUD DATABASE AND DBAAS MARKET, BY PROFESSIONAL SERVICE, 2023–2028 (USD MILLION)

- 8.2.2 CONSULTING
- 8.2.3 IMPLEMENTATION
- 8.2.4 SUPPORT & MAINTENANCE
- 8.3 MANAGED SERVICES
- 8.3.1 INCREASING NEED TO CONCENTRATE ON CORE BUSINESS PROCESSES TO PROPEL MARKET GROWTH

# 9 CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL

#### 9.1 INTRODUCTION

9.1.1 DEPLOYMENT MODELS: CLOUD DATABASE AND DBAAS MARKET DRIVERS

FIGURE 35 HYBRID CLOUD SEGMENT TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 32 CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 33 CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

9.2 PUBLIC CLOUD

9.2.1 NEED FOR SIMPLE AND EASY-TO-DEPLOY CLOUD SOLUTIONS TO DRIVE MARKET GROWTH

TABLE 34 PUBLIC CLOUD: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)



TABLE 35 PUBLIC CLOUD: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

9.3 PRIVATE CLOUD

9.3.1 DEMAND TO ACHIEVE BETTER CONTROL OVER DEPLOYMENT MODELS AND REDUCE RISKS TO DRIVE USE OF PRIVATE CLOUD SOLUTIONS TABLE 36 PRIVATE CLOUD: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 37 PRIVATE CLOUD: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

9.4 HYBRID CLOUD

9.4.1 NEED FOR SOLUTIONS TO MANAGE WORKLOADS DISTRIBUTED ACROSS ENVIRONMENTS TO BOOST MARKET

TABLE 38 HYBRID CLOUD: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 39 HYBRID CLOUD: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

# 10 CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE

10.1 INTRODUCTION

10.1.1 ORGANIZATION SIZES: CLOUD DATABASE AND DBAAS MARKET DRIVERS

FIGURE 36 SMES SEGMENT TO RECORD HIGHER GROWTH DURING FORECAST PERIOD

TABLE 40 CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 41 CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

10.2 LARGE ENTERPRISES

10.2.1 RISING TREND OF DIGITALIZATION AMONG LARGE ENTERPRISES TO BOOST ADOPTION OF CLOUD DATABASE AND DBAAS SOLUTIONS

TABLE 42 LARGE ENTERPRISES: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 43 LARGE ENTERPRISES: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

10.3 SMES

10.3.1 NEED FOR COST-EFFECTIVE DATABASE SOLUTIONS IN SMES TO DRIVE MARKET

TABLE 44 SMES: CLOUD DATABASE AND DBAAS MARKET, BY REGION,



2018-2022 (USD MILLION)

TABLE 45 SMES: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

# 11 CLOUD DATABASE AND DBAAS MARKET, BY VERTICAL

#### 11.1 INTRODUCTION

11.1.1 VERTICALS: CLOUD DATABASE AND DBAAS MARKET DRIVERS FIGURE 37 RETAIL & CONSUMER GOODS SEGMENT TO ACHIEVE HIGHEST CAGR DURING FORECAST PERIOD

TABLE 46 CLOUD DATABASE AND DBAAS MARKET, BY VERTICAL, 2018–2022 (USD MILLION)

TABLE 47 CLOUD DATABASE AND DBAAS MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

11.2 BANKING, FINANCIAL SERVICES, AND INSURANCE (BFSI)

11.2.1 USE OF LARGE VOLUMES OF DATABASES TO ENCOURAGE ADOPTION OF CLOUD SOLUTIONS

TABLE 48 BFSI: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 49 BFSI: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

11.3 IT & TELECOM

11.3.1 INCREASING USE OF SMARTPHONES AND ADVANCEMENTS IN TECHNOLOGY TO BOOST MARKET GROWTH

TABLE 50 IT & TELECOM: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 51 IT & TELECOM: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

11.4 GOVERNMENT

11.4.1 VAST AMOUNTS OF DATA GENERATED BY GOVERNMENT AGENCIES TO PROPEL ADOPTION OF CLOUD SOLUTIONS

TABLE 52 GOVERNMENT: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 53 GOVERNMENT: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

11.5 RETAIL & CONSUMER GOODS

11.5.1 NEED TO SUPPORT BUSINESS CONTINUITY AND ENHANCE COMPETITIVENESS TO ENCOURAGE USE OF CLOUD SOLUTIONS AND SERVICES



TABLE 54 RETAIL & CONSUMER GOODS: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 55 RETAIL & CONSUMER GOODS: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

11.6 MANUFACTURING

11.6.1 DEMAND TO IMPROVE PRODUCTION PROCESSES BY IDENTIFYING DEFECTS TO BOOST MARKET

TABLE 56 MANUFACTURING: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 57 MANUFACTURING: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

11.7 ENERGY & UTILITIES

11.7.1 GROWING USE OF CONSUMPTION AND SALES DATA TO DRIVE POPULARITY OF CLOUD DATABASE AND DBAAS SOLUTIONS

TABLE 58 ENERGY & UTILITIES: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 59 ENERGY & UTILITIES: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

11.8 MEDIA & ENTERTAINMENT

11.8.1 DEMAND FOR SOLUTIONS TO MANAGE COMPLEX BUSINESS DATA TO DRIVE GROWTH

TABLE 60 MEDIA & ENTERTAINMENT: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 61 MEDIA & ENTERTAINMENT: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

11.9 HEALTHCARE & LIFE SCIENCES

11.9.1 RAPID DIGITAL TRANSFORMATION AND EXTENSIVE EMPLOYMENT OF EHRS TO DRIVE ADOPTION OF CLOUD SOLUTIONS

TABLE 62 HEALTHCARE & LIFE SCIENCES: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 63 HEALTHCARE & LIFE SCIENCES: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

11.10 OTHER VERTICALS

TABLE 64 OTHER VERTICALS: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 65 OTHER VERTICALS: CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

#### 12 CLOUD DATABASE AND DBAAS MARKET, BY REGION



#### 12.1 INTRODUCTION

FIGURE 38 ASIA PACIFIC TO RECORD HIGHEST GROWTH DURING FORECAST PERIOD

TABLE 66 CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 67 CLOUD DATABASE AND DBAAS MARKET, BY REGION, 2023–2028 (USD MILLION)

12.2 NORTH AMERICA

12.2.1 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET DRIVERS

12.2.2 NORTH AMERICA: RECESSION IMPACT

FIGURE 39 NORTH AMERICA: MARKET SNAPSHOT

TABLE 68 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 69 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 70 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 71 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 72 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 73 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 74 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY SERVICE, 2018–2022 (USD MILLION)

TABLE 75 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY SERVICE, 2023–2028 (USD MILLION)

TABLE 76 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY PROFESSIONAL SERVICE, 2018–2022 (USD MILLION)

TABLE 77 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY PROFESSIONAL SERVICE, 2023–2028 (USD MILLION)

TABLE 78 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 79 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 80 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 81 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY



ORGANIZATION SIZE, 2023-2028 (USD MILLION)

TABLE 82 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY VERTICAL, 2018–2022 (USD MILLION)

TABLE 83 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

TABLE 84 NORTH AMERICA: CLOUD DATABASE AND DBAAS SOLUTIONS MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 85 NORTH AMERICA: CLOUD DATABASE AND DBAAS SOLUTIONS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 86 NORTH AMERICA: CLOUD DATABASE AND DBAAS SERVICES MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 87 NORTH AMERICA: CLOUD DATABASE AND DBAAS SERVICES MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 88 NORTH AMERICA: PUBLIC CLOUD DATABASE AND DBAAS MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 89 NORTH AMERICA: PUBLIC CLOUD DATABASE AND DBAAS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 90 NORTH AMERICA: PRIVATE CLOUD DATABASE AND DBAAS MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 91 NORTH AMERICA: PRIVATE CLOUD DATABASE AND DBAAS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 92 NORTH AMERICA: HYBRID CLOUD DATABASE AND DBAAS MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 93 NORTH AMERICA: HYBRID CLOUD DATABASE AND DBAAS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 94 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET FOR LARGE ENTERPRISES, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 95 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET FOR LARGE ENTERPRISES, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 96 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET FOR SMES, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 97 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET FOR SMES, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 98 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET FOR SQL, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 99 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET FOR SQL, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 100 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET FOR NOSQL, BY COUNTRY, 2018–2022 (USD MILLION)



TABLE 101 NORTH AMERICA: CLOUD DATABASE AND DBAAS MARKET FOR NOSQL, BY COUNTRY, 2023–2028 (USD MILLION)

12.2.3 US

12.2.3.1 High level of technology awareness and presence of large number of cloud vendors to drive demand

TABLE 102 US: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 103 US: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 104 US: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 105 US: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 106 US: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 107 US: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 108 US: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 109 US: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

12.2.4 CANADA

12.2.4.1 High internet penetration to drive market growth

TABLE 110 CANADA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 111 CANADA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 112 CANADA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 113 CANADA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 114 CANADA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 115 CANADA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 116 CANADA: CLOUD DATABASE AND DBAAS MARKET, BY

ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 117 CANADA: CLOUD DATABASE AND DBAAS MARKET, BY

ORGANIZATION SIZE, 2023-2028 (USD MILLION)



#### **12.3 EUROPE**

12.3.1 EUROPE: CLOUD DATABASE AND DBAAS MARKET DRIVERS

12.3.2 EUROPE: RECESSION IMPACT

TABLE 118 EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY COUNTRY,

2018–2022 (USD MILLION)

TABLE 119 EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY COUNTRY,

2023-2028 (USD MILLION)

TABLE 120 EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE

TYPE, 2018–2022 (USD MILLION)

TABLE 121 EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE

TYPE, 2023-2028 (USD MILLION)

TABLE 122 EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT,

2018–2022 (USD MILLION)

TABLE 123 EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT,

2023-2028 (USD MILLION)

TABLE 124 EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY SERVICE,

2018-2022 (USD MILLION)

TABLE 125 EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY SERVICE,

2023-2028 (USD MILLION)

TABLE 126 EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY

PROFESSIONAL SERVICE, 2018–2022 (USD MILLION)

TABLE 127 EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY

PROFESSIONAL SERVICE, 2023–2028 (USD MILLION)

TABLE 128 EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT

MODEL, 2018–2022 (USD MILLION)

TABLE 129 EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT

MODEL, 2023-2028 (USD MILLION)

TABLE 130 EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY

ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 131 EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY

ORGANIZATION SIZE, 2023–2028 (USD MILLION)

TABLE 132 EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY VERTICAL.

2018–2022 (USD MILLION)

TABLE 133 EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY VERTICAL,

2023-2028 (USD MILLION)

12.3.3 UK

12.3.3.1 Need for businesses to transform traditional database into cloud-based

database to drive growth

TABLE 134 UK: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE,



2018-2022 (USD MILLION)

TABLE 135 UK: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 136 UK: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT,

2018–2022 (USD MILLION)

TABLE 137 UK: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 138 UK: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 139 UK: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 140 UK: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 141 UK: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

**12.3.4 GERMANY** 

12.3.4.1 Rising exports of high-tech products to boost growth of cloud database and DBaaS services and solutions

TABLE 142 GERMANY: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 143 GERMANY: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 144 GERMANY: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 145 GERMANY: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 146 GERMANY: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 147 GERMANY: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 148 GERMANY: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 149 GERMANY: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

12.3.5 FRANCE

12.3.5.1 Demand to cut IT budgets to improve returns on investment to boost market growth

TABLE 150 FRANCE: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)



TABLE 151 FRANCE: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 152 FRANCE: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 153 FRANCE: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 154 FRANCE: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 155 FRANCE: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 156 FRANCE: CLOUD DATABASE AND DBAAS MARKET, BY

ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 157 FRANCE: CLOUD DATABASE AND DBAAS MARKET, BY

ORGANIZATION SIZE, 2023-2028 (USD MILLION)

12.3.6 ITALY

12.3.6.1 Growth in smart city initiatives to drive adoption of cloud database and DBaaS solutions

TABLE 158 ITALY: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 159 ITALY: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 160 ITALY: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 161 ITALY: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 162 ITALY: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 163 ITALY: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 164 ITALY: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 165 ITALY: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

12.3.7 REST OF EUROPE

TABLE 166 REST OF EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 167 REST OF EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 168 REST OF EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY



COMPONENT, 2018–2022 (USD MILLION)

TABLE 169 REST OF EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 170 REST OF EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 171 REST OF EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 172 REST OF EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 173 REST OF EUROPE: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

12.4 ASIA PACIFIC

12.4.1 ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET DRIVERS

12.4.2 ASIA PACIFIC: RECESSION IMPACT

FIGURE 40 ASIA PACIFIC: MARKET SNAPSHOT

TABLE 174 ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 175 ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 176 ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 177 ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 178 ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 179 ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 180 ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY SERVICE, 2018–2022 (USD MILLION)

TABLE 181 ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY SERVICE, 2023–2028 (USD MILLION)

TABLE 182 ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY PROFESSIONAL SERVICE, 2018–2022 (USD MILLION)

TABLE 183 ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY

PROFESSIONAL SERVICE, 2023–2028 (USD MILLION)

TABLE 184 ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY

DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 185 ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)



TABLE 186 ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 187 ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

TABLE 188 ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY VERTICAL, 2018–2022 (USD MILLION)

TABLE 189 ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

12.4.3 CHINA

12.4.3.1 Robust government support and growing youth population to boost use of cloud database and DBaaS solutions

TABLE 190 CHINA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 191 CHINA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 192 CHINA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 193 CHINA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 194 CHINA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL. 2018–2022 (USD MILLION)

TABLE 195 CHINA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 196 CHINA: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 197 CHINA: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

12.4.4 INDIA

12.4.4.1 Growth in initiatives to regulate cloud-based laws to drive market

TABLE 198 INDIA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 199 INDIA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 200 INDIA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 201 INDIA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 202 INDIA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)



TABLE 203 INDIA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 204 INDIA: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 205 INDIA: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

12.4.5 JAPAN

12.4.5.1 Increasing adoption of advanced technologies, such as IoT, LTE, SDN, and AI, to boost growth

TABLE 206 JAPAN: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 207 JAPAN: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 208 JAPAN: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 209 JAPAN: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 210 JAPAN: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 211 JAPAN: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL. 2023–2028 (USD MILLION)

TABLE 212 JAPAN: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 213 JAPAN: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

12.4.6 REST OF ASIA PACIFIC

TABLE 214 REST OF ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 215 REST OF ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 216 REST OF ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 217 REST OF ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 218 REST OF ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 219 REST OF ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL. 2023–2028 (USD MILLION)

TABLE 220 REST OF ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY



ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 221 REST OF ASIA PACIFIC: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

12.5 MIDDLE EAST & AFRICA

12.5.1 MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET DRIVERS

12.5.2 MIDDLE EAST & AFRICA: RECESSION IMPACT

TABLE 222 MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 223 MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 224 MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 225 MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 226 MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 227 MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 228 MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY SERVICE, 2018–2022 (USD MILLION)

TABLE 229 MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY SERVICE, 2023–2028 (USD MILLION)

TABLE 230 MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY PROFESSIONAL SERVICE, 2018–2022 (USD MILLION)

TABLE 231 MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY PROFESSIONAL SERVICE, 2023–2028 (USD MILLION)

TABLE 232 MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 233 MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 234 MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 235 MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

TABLE 236 MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY VERTICAL, 2018–2022 (USD MILLION)

TABLE 237 MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY VERTICAL, 2023–2028 (USD MILLION)



#### 12.5.3 SAUDI ARABIA

12.5.3.1 Expansion of 5G fiber network and software-defined networks, and data centers to drive market growth

TABLE 238 SAUDI ARABIA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 239 SAUDI ARABIA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 240 SAUDI ARABIA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 241 SAUDI ARABIA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 242 SAUDI ARABIA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 243 SAUDI ARABIA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 244 SAUDI ARABIA: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 245 SAUDI ARABIA: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

12.5.4 UAE

12.5.4.1 Rising government initiatives to create effective integrated business environment to boost market growth

TABLE 246 UAE: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 247 UAE: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 248 UAE: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 249 UAE: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 250 UAE: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL. 2018–2022 (USD MILLION)

TABLE 251 UAE: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 252 UAE: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 253 UAE: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

12.5.5 REST OF MIDDLE EAST & AFRICA



TABLE 254 REST OF MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 255 REST OF MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 256 REST OF MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 257 REST OF MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 258 REST OF MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 259 REST OF MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 260 REST OF MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 261 REST OF MIDDLE EAST & AFRICA: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)
12.6 LATIN AMERICA

12.6.1 LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET DRIVERS 12.6.2 LATIN AMERICA: RECESSION IMPACT

TABLE 262 LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 263 LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 264 LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 265 LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 266 LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 267 LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 268 LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY SERVICE, 2018–2022 (USD MILLION)

TABLE 269 LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY SERVICE, 2023–2028 (USD MILLION)

TABLE 270 LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY PROFESSIONAL SERVICE, 2018–2022 (USD MILLION)

TABLE 271 LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY PROFESSIONAL SERVICE, 2023–2028 (USD MILLION)



TABLE 272 LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 273 LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 274 LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 275 LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

TABLE 276 LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY VERTICAL, 2018–2022 (USD MILLION)

TABLE 277 LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

12.6.3 BRAZIL

12.6.3.1 Presence of major cloud players, such as AWS, IBM, Microsoft, and Oracle, and spread of data centers to encourage market growth

TABLE 278 BRAZIL: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 279 BRAZIL: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 280 BRAZIL: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 281 BRAZIL: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 282 BRAZIL: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 283 BRAZIL: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 284 BRAZIL: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 285 BRAZIL: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

12.6.4 MEXICO

12.6.4.1 Steady rise in digitalization and internet penetration to propel spread of cloud database and DBaaS solutions

TABLE 286 MEXICO: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 287 MEXICO: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 288 MEXICO: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT,



2018-2022 (USD MILLION)

TABLE 289 MEXICO: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 290 MEXICO: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 291 MEXICO: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 292 MEXICO: CLOUD DATABASE AND DBAAS MARKET, BY

ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 293 MEXICO: CLOUD DATABASE AND DBAAS MARKET, BY

ORGANIZATION SIZE, 2023-2028 (USD MILLION)

12.6.5 REST OF LATIN AMERICA

TABLE 294 REST OF LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2018–2022 (USD MILLION)

TABLE 295 REST OF LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY DATABASE TYPE, 2023–2028 (USD MILLION)

TABLE 296 REST OF LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2018–2022 (USD MILLION)

TABLE 297 REST OF LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 298 REST OF LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2018–2022 (USD MILLION)

TABLE 299 REST OF LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY DEPLOYMENT MODEL, 2023–2028 (USD MILLION)

TABLE 300 REST OF LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2018–2022 (USD MILLION)

TABLE 301 REST OF LATIN AMERICA: CLOUD DATABASE AND DBAAS MARKET, BY ORGANIZATION SIZE, 2023–2028 (USD MILLION)

#### 13 COMPETITIVE LANDSCAPE

13.1 INTRODUCTION

13.2 MARKET SHARE ANALYSIS FOR KEY PLAYERS

FIGURE 41 MARKET SHARE ANALYSIS FOR KEY PLAYERS

13.3 REVENUE ANALYSIS FOR TOP FIVE VENDORS

FIGURE 42 REVENUE ANALYSIS FOR TOP FIVE VENDORS, 2018–2022 (USD BILLION)

13.4 COMPANY EVALUATION MATRIX, 2023

13.4.1 DEFINITIONS AND METHODOLOGY



FIGURE 43 COMPANY EVALUATION MATRIX: CRITERIA WEIGHTAGE

13.4.2 STARS

13.4.3 EMERGING LEADERS

13.4.4 PERVASIVE PLAYERS

13.4.5 PARTICIPANTS

FIGURE 44 COMPANY EVALUATION MATRIX FOR KEY PLAYERS, 2023

13.5 COMPANY FOOTPRINT FOR KEY PLAYERS

TABLE 302 GLOBAL COMPANY FOOTPRINT, BY DATABASE TYPE, COMPONENT, DEPLOYMENT MODE. AND REGION

TABLE 303 GLOBAL COMPANY FOOTPRINT, BY VERTICAL

13.6 COMPANY EVALUATION MATRIX FOR STARTUPS/SMES, 2023

FIGURE 45 COMPANY EVALUATION MATRIX FOR STARTUPS/SMES: CRITERIA WEIGHTAGE

13.6.1 PROGRESSIVE COMPANIES

13.6.2 RESPONSIVE COMPANIES

13.6.3 DYNAMIC COMPANIES

13.6.4 STARTING BLOCKS

FIGURE 46 COMPANY EVALUATION MATRIX FOR STARTUPS/SMES, 2023

13.6.5 COMPETITIVE BENCHMARKING FOR STARTUPS/SMES

TABLE 304 DETAILED LIST OF KEY STARTUPS/SMES

13.7 COMPANY FOOTPRINT FOR STARTUPS/SMES

TABLE 305 COMPANY FOOTPRINT FOR STARTUPS/SMES, BY DATABASE TYPE,

COMPONENT, DEPLOYMENT MODE, AND REGION

TABLE 306 COMPANY FOOTPRINT FOR STARTUPS/SMES, BY VERTICAL

13.8 COMPANY FINANCIAL METRICS

FIGURE 47 COMPANY FINANCIAL METRICS, 2022

13.9 GLOBAL SNAPSHOT OF KEY MARKET PARTICIPANTS

FIGURE 48 GLOBAL SNAPSHOT OF KEY MARKET PARTICIPANTS, 2022

13.10 COMPETITIVE SCENARIO

13.10.1 PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 307 PRODUCT LAUNCHES AND ENHANCEMENTS, 2022–2023

13.10.2 DEALS

TABLE 308 DEALS, 2022-2023

# **14 COMPANY PROFILES**

14.1 INTRODUCTION

14.2 KEY PLAYERS

(Business Overview, Products/Solutions/Services offered, Recent Developments, MnM

Cloud Database and DBaaS Market by Database Type (SQL and NoSQL), Component (Solutions & Services), Deployment...



View)\*

14.2.1 GOOGLE

TABLE 309 GOOGLE: BUSINESS OVERVIEW FIGURE 49 GOOGLE: COMPANY SNAPSHOT

TABLE 310 GOOGLE: PLATFORMS/SOLUTIONS/SERVICES OFFERED TABLE 311 GOOGLE: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 312 GOOGLE: DEALS

14.2.2 MICROSOFT

TABLE 313 MICROSOFT: BUSINESS OVERVIEW FIGURE 50 MICROSOFT: COMPANY SNAPSHOT

TABLE 314 MICROSOFT: PLATFORMS/SOLUTIONS/SERVICES OFFERED

TABLE 315 MICROSOFT: DEALS

14.2.3 AWS

TABLE 316 AWS: BUSINESS OVERVIEW FIGURE 51 AWS: COMPANY SNAPSHOT

TABLE 317 AWS: PLATFORMS/SOLUTIONS/SERVICES OFFERED TABLE 318 AWS: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 319 AWS: DEALS

14.2.4 IBM

TABLE 320 IBM: BUSINESS OVERVIEW FIGURE 52 IBM: COMPANY SNAPSHOT

TABLE 321 IBM: PLATFORMS/SOLUTIONS/SERVICES OFFERED TABLE 322 IBM: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 323 IBM: DEALS

14.2.5 ORACLE

TABLE 324 ORACLE: BUSINESS OVERVIEW FIGURE 53 ORACLE: COMPANY SNAPSHOT

TABLE 325 ORACLE: PLATFORMS/SOLUTIONS/SERVICES OFFERED TABLE 326 ORACLE: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 327 ORACLE: DEALS

14.2.6 ALIBABA CLOUD

TABLE 328 ALIBABA CLOUD: BUSINESS OVERVIEW FIGURE 54 ALIBABA CLOUD: COMPANY SNAPSHOT

TABLE 329 ALIBABA CLOUD: PLATFORMS/SOLUTIONS/SERVICES OFFERED

TABLE 330 ALIBABA CLOUD: DEALS TABLE 331 ALIBABA CLOUD: OTHERS

14.2.7 SAP

TABLE 332 SAP: BUSINESS OVERVIEW FIGURE 55 SAP: COMPANY SNAPSHOT



TABLE 333 SAP: PLATFORMS/SOLUTIONS/SERVICES OFFERED TABLE 334 SAP: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 335 SAP: DEALS

**14.2.8 MONGODB** 

TABLE 336 MONGODB: BUSINESS OVERVIEW FIGURE 56 MONGODB: COMPANY SNAPSHOT

TABLE 337 MONGODB: PLATFORMS/SOLUTIONS/SERVICES OFFERED TABLE 338 MONGODB: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 339 MONGODB: DEALS

14.2.9 ENTERPRISEDB

TABLE 340 ENTERPRISEDB: BUSINESS OVERVIEW

TABLE 341 ENTERPRISEDB: PLATFORMS/SOLUTIONS/SERVICES OFFERED TABLE 342 ENTERPRISEDB: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 343 ENTERPRISEDB: DEALS

14.2.10 REDIS LABS

TABLE 344 REDIS LABS: BUSINESS OVERVIEW

TABLE 345 REDIS LABS: PLATFORMS/SOLUTIONS/SERVICES OFFERED TABLE 346 REDIS LABS: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 347 REDIS LABS: DEALS

\*Details on Business Overview, Products/Solutions/Services offered, Recent Developments, MnM View might not be captured in case of unlisted companies.

14.3 OTHER COMPANIES

14.3.1 TENCENT

14.3.2 RACKSPACE

14.3.3 TERADATA

14.3.4 CENTURYLINK

14.3.5 NEO4J

14.3.6 DATASTAX

14.3.7 TIGERGRAPH

**14.3.8 MARIADB** 

14.3.9 RDX

14.3.10 SINGLESTORE (MEMSQL)

14.3.11 FAIRCOM

14.3.12 COCKROACH LABS

14.3.13 ARANGODB

14.3.14 PINGCAP

#### 15 ADJACENT AND RELATED MARKETS



#### 15.1 INTRODUCTION

15.1.1 RELATED MARKETS

15.2 CLOUD COMPUTING MARKET

TABLE 348 CLOUD COMPUTING MARKET, BY SERVICE MODEL, 2017–2021 (USD BILLION)

TABLE 349 CLOUD COMPUTING MARKET, BY SERVICE MODEL, 2022–2027 (USD BILLION)

TABLE 350 CLOUD COMPUTING MARKET, BY IAAS, 2017–2021 (USD BILLION)

TABLE 351 CLOUD COMPUTING MARKET, BY IAAS, 2022–2027 (USD BILLION)

TABLE 352 CLOUD COMPUTING MARKET, BY PAAS, 2017–2021 (USD BILLION)

TABLE 353 CLOUD COMPUTING MARKET, BY PAAS, 2022–2027 (USD BILLION)

TABLE 354 CLOUD COMPUTING MARKET, BY SAAS, 2017–2021 (USD BILLION)

TABLE 355 CLOUD COMPUTING MARKET, BY SAAS, 2022–2027 (USD BILLION)

TABLE 356 CLOUD COMPUTING MARKET, BY DEPLOYMENT MODEL, 2017–2021 (USD BILLION)

TABLE 357 CLOUD COMPUTING MARKET, BY DEPLOYMENT MODEL, 2022–2027 (USD BILLION)

TABLE 358 CLOUD COMPUTING MARKET, BY ORGANIZATION SIZE, 2017–2021 (USD BILLION)

TABLE 359 CLOUD COMPUTING MARKET, BY ORGANIZATION SIZE, 2022–2027 (USD BILLION)

TABLE 360 CLOUD COMPUTING MARKET, BY VERTICAL, 2017–2021 (USD BILLION)

TABLE 361 CLOUD COMPUTING MARKET, BY VERTICAL, 2022–2027 (USD BILLION)

TABLE 362 CLOUD COMPUTING MARKET, BY REGION, 2017–2021 (USD BILLION) TABLE 363 CLOUD COMPUTING MARKET, BY REGION, 2022–2027 (USD BILLION) 15.3 CLOUD STORAGE MARKET

TABLE 364 CLOUD STORAGE MARKET, BY COMPONENT, 2018–2021 (USD MILLION)

TABLE 365 CLOUD STORAGE MARKET, BY COMPONENT, 2022–2027 (USD MILLION)

TABLE 366 CLOUD STORAGE MARKET, BY APPLICATION, 2018–2021 (USD MILLION)

TABLE 367 CLOUD STORAGE MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 368 CLOUD STORAGE MARKET, BY ORGANIZATION SIZE, 2018–2021 (USD MILLION)

TABLE 369 CLOUD STORAGE MARKET, BY ORGANIZATION SIZE, 2022–2027



(USD MILLION)

TABLE 370 CLOUD STORAGE MARKET, BY DEPLOYMENT MODEL, 2018–2021 (USD MILLION)

TABLE 371 CLOUD STORAGE MARKET, BY DEPLOYMENT MODEL, 2022–2027 (USD MILLION)

TABLE 372 CLOUD STORAGE MARKET, BY VERTICAL, 2018–2021 (USD MILLION) TABLE 373 CLOUD STORAGE MARKET, BY VERTICAL, 2022–2027 (USD MILLION) TABLE 374 CLOUD STORAGE MARKET, BY REGION, 2018–2021 (USD MILLION) TABLE 375 CLOUD STORAGE MARKET, BY REGION, 2022–2027 (USD MILLION)

#### **16 APPENDIX**

- **16.1 DISCUSSION GUIDE**
- 16.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL
- **16.3 CUSTOMIZATION OPTIONS**
- **16.4 RELATED REPORTS**
- 16.5 AUTHOR DETAILS



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