

# **AI-powered Storage Market by Offering (Hardware, Software), Storage System (DAS, NAS, SAN), Storage Architecture (File & Object-Based Storage), Storage Medium (SSD, HDD), & End User (Enterprises, CSP, Government, Telecom) - Global Forecast to 2024**

<https://marketpublishers.com/r/AB40002543A2EN.html>

Date: December 2019

Pages: 187

Price: US\$ 5,650.00 (Single User License)

ID: AB40002543A2EN

## **Abstracts**

“AI-powered storage market to grow at CAGR of 27.1% from 2019 to 2024”

The global AI-powered storage market is expected to grow from USD 10.4 billion in 2019 to USD 34.5 billion by 2024; growing at a CAGR of 27.1%. Massive growth in data volumes, need for global enterprise infrastructure to refresh their storage architecture, increasing adoption of cloud-based services, and growing demand for AI in HPC data centers have created a demand for AI-powered storage solutions. Limited AI hardware experts and the lack of data security in cloud and server-based services can be a few restraints for the AI-powered storage market. There are a lot of opportunities for the AI-powered storage market including the growing number of cross-industry partnerships and collaborations and the availability and rapid development of useful data analysis tools. The unreliability of AI algorithms and concerns regarding data privacy are the challenges for the AI-powered storage market.

AI-powered storage market for Network-attached Storage (NAS) is expected to grow at highest CAGR during forecast period

The demand for evolved NAS systems is increasing in order to cope with the growth of unstructured data. NAS is a dedicated storage device with multiple racks of storage media and is set up onto a dedicated network for storing the data. Scale-out is an improved technique in NAS devices, enabling capacity expansion based on end users' requirements. This is achieved with the help of clustered nodes; as a result, there is a

reduction in the upgrading cost. Small businesses and medium-sized enterprises are gradually adapting cloud-based NAS storage solutions owing to their features such as the ease of use, automated data backup, simple server setup procedure, and good collaboration.

Healthcare market for enterprises is expected to grow at highest CAGR during forecast period

AI in the healthcare ecosystem allows for a multitude of benefits, including automating tasks and analyzing patient data sets to deliver faster healthcare at a lower cost. Healthcare organizations have started improving the storage and management of their data for analytics and AI purposes. New healthcare offerings such as collaborative solutions through mobile devices, video conferencing, and built-in applications lead to the need for the adoption of AI-powered storage systems. The demand for AI-powered storage systems is driven by regulatory mandates for the use of electronic health records, increasing focus on precision medicine, and a strong presence of service providers engaged in developing AI solutions for healthcare.

AI-powered storage market in North America is projected to hold largest share and market in APAC is expected to grow at highest CAGR during forecast period.

The AI-powered storage market in North America is projected to hold the largest share and the market in APAC is expected to grow at highest CAGR during forecast period. This market in North America is further divided into the US, Canada, and Mexico. There is a growing trend of cloud computing, which has increased the economic impact of data center investments made by leading service providers such as Amazon (US), Google (US), and Microsoft (US). Enterprises in North America are increasing their spending on storage infrastructure for AI workloads to gain competitive advantage and increase their business productivity. The presence of other prominent AI technology providers including IBM, NVIDIA, and Intel, is boosting the growth of the AI-powered storage market in this region.

This market in APAC is further divided into China, Japan, India, South Korea and the Rest of APAC. The Rest of APAC primarily includes Australia, New Zealand, Vietnam, and Indonesia. Countries in this region are heavily reliant on manufacturing and can implement automated supply chain optimization, which will generate faster outputs. All these activities will help to generate greater economic output for the countries. Automated transportation can play an important role to boost this market as the elevated levels of congestion can be alleviated through fleet-wide traffic flow control.

#### Breakdown of primary participants' profile:

By Company Type: Tier 1 - 55%, Tier 2 - 20%, and Tier 3 - 25%

By Designation: C-Level Executives - 75%, Managers – 25%

By Region: North America - 10%, Europe - 20%, APAC - 40%, and RoW - 30%

Intel Corporation (US), NVIDIA Corporation (US), IBM (US), Samsung Electronics (South Korea), Pure Storage (US), NetApp (US), Micron Technology (US), CISCO (US), Toshiba (Japan), Hitachi (Japan), Lenovo (China), Dell Technologies (US), and HPE (US) are a few major players in the AI-powered storage market.

#### Research Coverage:

Various market segments have been covered in this report. These include offering, storage system, storage architecture, storage medium, and end user. It also gives a detailed view of the market across 4 main regions: North America, Europe, APAC, and RoW.

#### Reasons to Buy the Report:

This report includes statistics pertaining to the AI-powered storage market in terms of offering, storage system, storage architecture, storage medium, end user and region, along with their respective market sizes.

Major drivers, restraints, opportunities, and challenges for the AI-powered storage market have been provided in detail in this report.

The report includes illustrative segmentation, analysis, and forecast for the AI-powered storage market based on its segments and subsegments.

## Contents

### 1 INTRODUCTION

- 1.1 STUDY OBJECTIVES
- 1.2 MARKET DEFINITION AND SCOPE
  - 1.2.1 INCLUSIONS AND EXCLUSIONS
- 1.3 STUDY SCOPE
  - 1.3.1 MARKETS COVERED
  - 1.3.2 GEOGRAPHIC SCOPE
  - 1.3.3 YEARS CONSIDERED
- 1.4 CURRENCY
- 1.5 LIMITATIONS
- 1.6 STAKEHOLDERS

### 2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
  - 2.1.1 SECONDARY DATA
    - 2.1.1.1 List of major secondary sources
    - 2.1.1.2 Key data from secondary sources
  - 2.1.2 PRIMARY DATA
    - 2.1.2.1 Key data from primary sources
    - 2.1.2.2 Key industry insights
    - 2.1.2.3 Breakdown of primaries
- 2.2 MARKET SIZE ESTIMATION
  - 2.2.1 BOTTOM-UP APPROACH
  - 2.2.2 TOP-DOWN APPROACH
- 2.3 MARKET BREAKDOWN AND DATA TRIANGULATION
- 2.4 RESEARCH ASSUMPTIONS

### 3 EXECUTIVE SUMMARY

### 4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES IN AI-POWERED STORAGE MARKET
- 4.2 AI-POWERED STORAGE MARKET, BY OFFERING
- 4.3 AI-POWERED STORAGE MARKET, BY END USER
- 4.4 AI-POWERED STORAGE MARKET, BY STORAGE SYSTEM

## 4.5 AI-POWERED STORAGE MARKET, BY REGION

## 5 MARKET OVERVIEW

### 5.1 INTRODUCTION

### 5.2 MARKET DYNAMICS

#### 5.2.1 DRIVERS

5.2.1.1 Massive growth in data volumes

5.2.1.2 Need for global enterprise infrastructure to refresh their storage architecture

5.2.1.3 Increasing adoption of cloud-based services

5.2.1.4 Growing demand for AI in HPC data centers

#### 5.2.2 RESTRAINTS

5.2.2.1 Limited expertise in AI hardware

5.2.2.2 Lack of data security in cloud- and server-based services

#### 5.2.3 OPPORTUNITIES

5.2.3.1 Growing number of cross-industry partnerships and collaborations

5.2.3.2 Availability and rapid development of useful data analysis tools

#### 5.2.4 CHALLENGES

5.2.4.1 Unreliability of AI algorithms

5.2.4.2 Concerns regarding data privacy

## 6 AI-POWERED STORAGE MARKET, BY OFFERING

### 6.1 INTRODUCTION

### 6.2 HARDWARE

#### 6.2.1 STORAGE MEDIUM

6.2.1.1 SSD

6.2.1.2 HDD

#### 6.2.2 OTHER HARDWARE

6.2.2.1 CPU

6.2.2.2 GPU

### 6.3 SOFTWARE

## 7 AI-POWERED STORAGE MARKET, BY STORAGE SYSTEM

### 7.1 INTRODUCTION

### 7.2 DIRECT-ATTACHED STORAGE SYSTEMS

7.2.1 EXISITING STORAGE ARCHITECTURE CAN BE EASILY ACCESSED USING DAS SYSTEMS

## 7.3 NETWORK-ATTACHED STORAGE SYSTEMS

### 7.3.1 MULTIPLE CLIENT ACCESS FEATURE INCREASES DEMAND FOR NAS STORAGE SYSTEMS

## 7.4 STORAGE AREA NETWORK

### 7.4.1 SAN STORAGE SYSTEMS PROVIDE MULTINENT ENVIRONMENT THROUGH STORAGE VIRTUALIZATION

## 8 AI-POWERED STORAGE MARKET, BY STORAGE ARCHITECTURE

### 8.1 INTRODUCTION

### 8.2 FILE- AND OBJECT-BASED STORAGE

#### 8.2.1 FILE STORAGE

8.2.1.1 File storage architecture provides benefits including uniformity while storing data and while retrieving it

#### 8.2.2 OBJECT STORAGE

8.2.2.1 Object-based storage can be retrieved exactly in same way irrespective of their location

### 8.3 BLOCK STORAGE

#### 8.3.1 BLOCK STORAGE ARCHITECTURE IS USED TO STORE FILES FOR SPECIAL APPLICATIONS SUCH AS VIRTUAL MACHINE FILE SYSTEMS

## 9 AI-POWERED STORAGE MARKET, BY STORAGE MEDIUM

### 9.1 INTRODUCTION

### 9.2 HARD DISK DRIVE

#### 9.2.1 LOWER COST OF HDD IS MAJOR REASON FOR ITS HIGH ADOPTION

### 9.3 SOLID STATE DRIVE

#### 9.3.1 ALL-FLASH ARRAYS

##### 9.3.1.1 Low maintenance and faster response are key features of all-flash arrays

#### 9.3.2 HYBRID FLASH ARRAYS

9.3.2.1 Balanced cost and good performance are main reasons for high adoption of hybrid flash arrays

## 10 AI-POWERED STORAGE MARKET, BY END USER

### 10.1 INTRODUCTION

### 10.2 ENTERPRISES

#### 10.2.1 BFSI

##### 10.2.1.1 BFSI sector is adopting AI technology to cut short tedious tasks including

loan application approvals

#### 10.2.2 HEALTHCARE

10.2.2.1 Healthcare sector is adopting this technology to automate tasks and analyse patient data sets for faster delivery

#### 10.2.3 MEDIA AND ENTERTAINMENT

10.2.3.1 This sector is adopting AI-powered storage systems for storing, managing, and distributing huge data collections

#### 10.2.4 RETAIL

10.2.4.1 Retail companies are bridging gap between virtual and physical sale channels through AI technology

#### 10.2.5 CONSUMER GOODS

10.2.5.1 Consumer goods sector adopts AI technology owing to development in smart retailing

#### 10.2.6 MANUFACTURING

10.2.6.1 This sector uses AI technology to optimize manufacturing supply chains and anticipate market changes

#### 10.2.7 OTHER ENTERPRISES

10.2.7.1 Aerospace and defense

10.2.7.2 Business and consulting

10.2.7.3 Education and research

10.2.7.4 Energy

#### 10.3 GOVERNMENT BODIES

10.3.1 GOVERNMENT BODIES USE THIS TECHNOLOGY FOR PUBLIC POLICY OBJECTIVES INCLUDING HEALTH AND WELFARE AND EMERGENCY SERVICES

#### 10.4 CLOUD SERVICE PROVIDERS

10.4.1 CLOUD SERVICE PROVIDERS USE AI-POWERED STORAGE FOR DATA MANAGEMENT AND ANALYSIS

#### 10.5 TELECOM COMPANIES

10.5.1 TELECOM COMPANIES USE AI TECHNOLOGY TO ENHANCE CUSTOMER EXPERIENCE AND IMPROVE NETWORK RELIABILITY

## 11 AI-POWERED STORAGE MARKET, BY REGION

### 11.1 INTRODUCTION

### 11.2 NORTH AMERICA

#### 11.2.1 US

11.2.1.1 Presence of leading data storage companies in US to continue to drive growth of AI-powered storage market

#### 11.2.2 CANADA



11.2.2.1 Various funding activities and other initiatives to fuel Canadian market growth

#### 11.2.3 MEXICO

11.2.3.1 Growing penetration of AI in manufacturing and healthcare industries to propel Mexican market

#### 11.3 EUROPE

##### 11.3.1 UK

11.3.1.1 Adoption of data storage services in banking and telecom industries to drive market in UK

##### 11.3.2 GERMANY

11.3.2.1 Adoption of cloud computing and industry 4.0 has created increased demand for AI-powered storage systems in Germany

##### 11.3.3 FRANCE

11.3.3.1 Funding activities by French government in education, research, and government bodies to continue to fuel market growth

##### 11.3.4 REST OF EUROPE

11.3.4.1 Russia, Norway, Sweden, Switzerland, and Spain drive AI-powered storage market growth in region

#### 11.4 APAC

##### 11.4.1 CHINA

11.4.1.1 Adoption of latest technologies by enterprises in China is escalating market growth

##### 11.4.2 JAPAN

11.4.2.1 Contribution by small and medium enterprises drive growth of Japanese market

##### 11.4.3 INDIA

11.4.3.1 Growing adoption of cloud-based services to have positive impact on Indian AI-powered storage market

##### 11.4.4 SOUTH KOREA

11.4.4.1 Adoption of AI applications for robotics and automotive sectors are escalating growth of South Korean market

##### 11.4.5 REST OF APAC

11.4.5.1 Australia, Indonesia, Thailand are major countries responsible for growth in Rest of APAC

#### 11.5 ROW

##### 11.5.1 MIDDLE EAST AND AFRICA

11.5.1.1 Rise in demand for data storage in industries such as energy, and oil & gas is resulting in market growth in this region

##### 11.5.2 SOUTH AMERICA



11.5.2.1 Brazil and Argentina are driving growth of market in region

## **12 COMPETITIVE LANDSCAPE**

### **12.1 OVERVIEW**

### **12.2 MARKET RANKING ANALYSIS**

### **12.3 COMPETITIVE LEADERSHIP MAPPING, 2018**

#### **12.3.1 VISIONARY LEADERS**

#### **12.3.2 DYNAMIC DIFFERENTIATORS**

#### **12.3.3 INNOVATORS**

#### **12.3.4 EMERGING COMPANIES**

### **12.4 COMPETITIVE SCENARIO**

#### **12.4.1 PRODUCT LAUNCHES AND DEVELOPMENTS**

#### **12.4.2 PARTNERSHIPS, CONTRACTS, ACQUISITIONS, AND AGREEMENTS**

## **13 COMPANY PROFILES**

(Business Overview, Products, Solutions, and Services offered, Recent Developments, SWOT Analysis, and MnM View)\*

### **13.1 KEY PLAYERS**

#### **13.1.1 DELL TECHNOLOGIES**

#### **13.1.2 HEWLETT PACKARD ENTERPRISE (HPE) COMPANY**

#### **13.1.3 IBM**

#### **13.1.4 NVIDIA CORPORATION**

#### **13.1.5 PURE STORAGE**

#### **13.1.6 INTEL CORPORATION**

#### **13.1.7 NETAPP**

#### **13.1.8 SAMSUNG ELECTRONICS**

#### **13.1.9 MICRON TECHNOLOGY**

#### **13.1.10 CISCO**

#### **13.1.11 ADVANCED MICRO DEVICES (AMD)**

#### **13.1.12 TOSHIBA**

#### **13.1.13 HITACHI**

#### **13.1.14 LENOVO**

### **13.2 RIGHT-TO-WIN**

### **13.3 OTHER KEY PLAYERS**

#### **13.3.1 DATADIRECT NETWORK**

#### **13.3.2 SEAGATE TECHNOLOGY PLC**

#### **13.3.3 FLEXTRONICS INTERNATIONAL**

13.3.4 WESTERN DIGITAL

13.3.5 FUJITSU

13.3.6 TINTRI

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

## **14 APPENDIX**

14.1 INSIGHTS OF INDUSTRY EXPERTS

14.2 DISCUSSION GUIDE

14.3 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

14.4 AVAILABLE CUSTOMIZATIONS

14.5 RELATED REPORTS

14.6 AUTHOR DETAILS

## List Of Tables

### LIST OF TABLES

TABLE 1 AVERAGE NUMBER OF CONNECTED DEVICES PER CAPITA

TABLE 2 AI-POWERED STORAGE MARKET, BY OFFERING, 2016–2024 (USD BILLION)

TABLE 3 AI-POWERED STORAGE MARKET FOR HARDWARE, BY REGION, 2016–2024 (USD BILLION)

TABLE 4 AI-POWERED STORAGE MARKET FOR HARDWARE IN NORTH AMERICA, BY COUNTRY, 2016–2024 (USD BILLION)

TABLE 5 AI-POWERED STORAGE MARKET FOR HARDWARE IN EUROPE, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 6 AI-POWERED STORAGE MARKET FOR HARDWARE IN APAC, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 7 AI-POWERED STORAGE MARKET FOR HARDWARE IN ROW, BY REGION, 2016–2024 (USD MILLION)

TABLE 8 AI-POWERED STORAGE MARKET FOR SOFTWARE, BY REGION, 2016–2024 (USD MILLION)

TABLE 9 AI-POWERED STORAGE MARKET FOR SOFTWARE IN NORTH AMERICA, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 10 AI-POWERED STORAGE MARKET FOR SOFTWARE IN EUROPE, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 11 AI-POWERED STORAGE MARKET FOR SOFTWARE IN APAC, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 12 AI-POWERED STORAGE MARKET FOR SOFTWARE IN ROW, BY REGION, 2016–2024 (USD MILLION)

TABLE 13 AI-POWERED STORAGE MARKET, BY STORAGE SYSTEM, 2016–2024 (USD BILLION)

TABLE 14 AI-POWERED STORAGE MARKET FOR DIRECT-ATTACHED STORAGE SYSTEMS, BY END USER, 2016–2024 (USD MILLION)

TABLE 15 AI-POWERED STORAGE MARKET FOR DIRECT-ATTACHED STORAGE SYSTEMS, BY ENTERPRISE TYPE, 2016–2024 (USD MILLION)

TABLE 16 AI-POWERED STORAGE MARKET FOR NETWORK-ATTACHED STORAGE SYSTEMS, BY END USER, 2016–2024 (USD MILLION)

TABLE 17 AI-POWERED STORAGE MARKET FOR NETWORK-ATTACHED STORAGE SYSTEMS, BY ENTERPRISE TYPE, 2016–2024 (USD MILLION)

TABLE 18 AI-POWERED STORAGE MARKET FOR STORAGE AREA NETWORK, BY END USER, 2016–2024 (USD MILLION)

TABLE 19 AI-POWERED STORAGE MARKET FOR STORAGE AREA NETWORK, BY ENTERPRISE TYPE, 2016–2024 (USD MILLION)

TABLE 20 AI-POWERED STORAGE MARKET, BY STORAGE ARCHITECTURE, 2016–2024 (USD BILLION)

TABLE 21 AI-POWERED STORAGE MARKET FOR FILE- AND OBJECT-BASED STORAGE, 2016–2024 (USD BILLION)

TABLE 22 AI-POWERED STORAGE MARKET, BY STORAGE MEDIUM, 2016–2024 (USD BILLION)

TABLE 23 AI-POWERED STORAGE MARKET, BY END USER, 2016–2024 (USD BILLION)

TABLE 24 AI-POWERED STORAGE MARKET, BY ENTERPRISE TYPE, 2016–2024 (USD MILLION)

TABLE 25 AI-POWERED STORAGE MARKET FOR ENTERPRISES, BY REGION, 2016–2024 (USD BILLION)

TABLE 26 AI-POWERED STORAGE MARKET FOR ENTERPRISES, BY STORAGE SYSTEM, 2016–2024 (USD BILLION)

TABLE 27 AI-POWERED STORAGE MARKET FOR BFSI, BY STORAGE SYSTEM, 2016–2024 (USD MILLION)

TABLE 28 AI-POWERED STORAGE MARKET FOR BFSI, BY REGION, 2016–2024 (USD MILLION)

TABLE 29 AI-POWERED STORAGE MARKET FOR HEALTHCARE, BY STORAGE SYSTEM, 2016–2024 (USD MILLION)

TABLE 30 AI-POWERED STORAGE MARKET FOR HEALTHCARE, BY REGION, 2016–2024 (USD MILLION)

TABLE 31 AI-POWERED STORAGE MARKET FOR MEDIA AND ENTERTAINMENT, BY STORAGE SYSTEM, 2016–2024 (USD MILLION)

TABLE 32 AI-POWERED STORAGE MARKET FOR MEDIA AND ENTERTAINMENT, BY REGION, 2016–2024 (USD MILLION)

TABLE 33 AI-POWERED STORAGE MARKET FOR RETAIL, BY STORAGE SYSTEM, 2016–2024 (USD MILLION)

TABLE 34 AI-POWERED STORAGE MARKET FOR RETAIL, BY REGION, 2016–2024 (USD MILLION)

TABLE 35 AI-POWERED STORAGE MARKET FOR CONSUMER GOODS, BY STORAGE SYSTEM, 2016–2024 (USD MILLION)

TABLE 36 AI-POWERED STORAGE MARKET FOR CONSUMER GOODS, BY REGION, 2016–2024 (USD MILLION)

TABLE 37 AI-POWERED STORAGE MARKET FOR MANUFACTURING, BY STORAGE SYSTEM, 2016–2024 (USD MILLION)

TABLE 38 AI-POWERED STORAGE MARKET FOR MANUFACTURING, BY REGION,

2016–2024 (USD MILLION)

TABLE 39 AI-POWERED STORAGE MARKET FOR OTHER ENTERPRISES, BY STORAGE SYSTEM, 2016–2024 (USD MILLION)

TABLE 40 AI-POWERED STORAGE MARKET FOR OTHER ENTERPRISES, BY REGION, 2016–2024 (USD MILLION)

TABLE 41 AI-POWERED STORAGE MARKET FOR GOVERNMENT BODIES, BY STORAGE SYSTEM, 2016–2024 (USD MILLION)

TABLE 42 AI-POWERED STORAGE MARKET FOR GOVERNMENT BODIES, BY REGION, 2016–2024 (USD MILLION)

TABLE 43 AI-POWERED STORAGE MARKET FOR CLOUD SERVICE PROVIDERS, BY STORAGE SYSTEM, 2016–2024 (USD BILLION)

TABLE 44 AI-POWERED STORAGE MARKET FOR CLOUD SERVICE PROVIDERS, BY REGION, 2016–2024 (USD BILLION)

TABLE 45 AI-POWERED STORAGE SYSTEM FOR TELECOM COMPANIES, BY STORAGE SYSTEM, 2016–2024 (USD MILLION)

TABLE 46 AI-POWERED STORAGE MARKET FOR TELECOM COMPANIES, BY REGION, 2016–2024 (USD MILLION)

TABLE 47 AI-POWERED STORAGE MARKET, BY REGION, 2016–2024 (USD BILLION)

TABLE 48 AI-POWERED STORAGE MARKET IN NORTH AMERICA, BY COUNTRY, 2016–2024 (USD BILLION)

TABLE 49 AI-POWERED STORAGE MARKET IN NORTH AMERICA, BY END USER, 2016–2024 (USD BILLION)

TABLE 50 AI-POWERED STORAGE MARKET IN NORTH AMERICA, BY ENTERPRISE TYPE, 2016–2024 (USD MILLION)

TABLE 51 AI-POWERED STORAGE MARKET IN NORTH AMERICA FOR ENTERPRISES, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 52 AI-POWERED STORAGE MARKET IN NORTH AMERICA FOR BFSI, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 53 AI-POWERED STORAGE MARKET IN NORTH AMERICA FOR HEALTHCARE, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 54 AI-POWERED STORAGE MARKET IN NORTH AMERICA FOR MEDIA AND ENTERTAINMENT, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 55 AI-POWERED STORAGE MARKET IN NORTH AMERICA FOR RETAIL, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 56 AI-POWERED STORAGE MARKET IN NORTH AMERICA FOR CONSUMER GOODS, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 57 AI-POWERED STORAGE MARKET IN NORTH AMERICA FOR MANUFACTURING, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 58 AI-POWERED STORAGE MARKET IN NORTH AMERICA FOR OTHER ENTERPRISES, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 59 AI-POWERED STORAGE MARKET IN NORTH AMERICA FOR GOVERNMENT BODIES, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 60 AI-POWERED STORAGE MARKET IN NORTH AMERICA FOR CLOUD SERVICE PROVIDERS, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 61 AI-POWERED STORAGE MARKET IN NORTH AMERICA FOR TELECOM COMPANIES, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 62 AI-POWERED STORAGE MARKET IN NORTH AMERICA, BY OFFERING, 2016–2024 (USD BILLION)

TABLE 63 AI-POWERED STORAGE MARKET IN US, BY OFFERING, 2016–2024 (USD MILLION)

TABLE 64 AI-POWERED STORAGE MARKET IN CANADA, BY OFFERING, 2016–2024 (USD MILLION)

TABLE 65 AI-POWERED STORAGE MARKET IN MEXICO, BY OFFERING, 2016–2024 (USD MILLION)

TABLE 66 AI-POWERED STORAGE MARKET IN EUROPE, BY COUNTRY, 2016–2024 (USD BILLION)

TABLE 67 AI-POWERED STORAGE MARKET IN EUROPE, BY END USER, 2016–2024 (USD BILLION)

TABLE 68 AI-POWERED STORAGE MARKET IN EUROPE, BY ENTERPRISE TYPE, 2016–2024 (USD MILLION)

TABLE 69 AI-POWERED STORAGE MARKET IN EUROPE FOR ENTERPRISES, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 70 AI-POWERED STORAGE MARKET IN EUROPE FOR BFSI, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 71 AI-POWERED STORAGE MARKET IN EUROPE FOR HEALTHCARE, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 72 AI-POWERED STORAGE MARKET IN EUROPE FOR MEDIA AND ENTERTAINMENT, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 73 AI-POWERED STORAGE MARKET IN EUROPE FOR RETAIL, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 74 AI-POWERED STORAGE MARKET IN EUROPE FOR CONSUMER GOODS, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 75 AI-POWERED STORAGE MARKET IN EUROPE FOR MANUFACTURING, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 76 AI-POWERED STORAGE MARKET IN EUROPE FOR OTHER ENTERPRISES, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 77 AI-POWERED STORAGE MARKET IN EUROPE FOR GOVERNMENT

BODIES, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 78 AI-POWERED STORAGE MARKET IN EUROPE FOR CLOUD SERVICE PROVIDERS, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 79 AI-POWERED STORAGE MARKET IN EUROPE FOR TELECOM COMPANIES, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 80 AI-POWERED STORAGE MARKET IN EUROPE, BY OFFERING, 2016–2024 (USD BILLION)

TABLE 81 AI-POWERED STORAGE MARKET IN UK, BY OFFERING, 2016–2024 (USD MILLION)

TABLE 82 AI-POWERED STORAGE MARKET IN GERMANY, BY OFFERING, 2016–2024 (USD MILLION)

TABLE 83 AI-POWERED STORAGE MARKET IN FRANCE, BY OFFERING, 2016–2024 (USD MILLION)

TABLE 84 AI-POWERED STORAGE MARKET IN REST OF EUROPE, BY OFFERING, 2016–2024 (USD MILLION)

TABLE 85 AI-POWERED STORAGE MARKET IN APAC, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 86 AI-POWERED STORAGE MARKET IN APAC, BY END USER, 2016–2024 (USD BILLION)

TABLE 87 AI-POWERED STORAGE MARKET IN APAC, BY ENTERPRISE TYPE, 2016–2024 (USD MILLION)

TABLE 88 AI-POWERED STORAGE MARKET IN APAC FOR ENTERPRISES, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 89 AI-POWERED STORAGE MARKET IN APAC FOR BFSI, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 90 AI-POWERED STORAGE MARKET IN APAC FOR HEALTHCARE, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 91 AI-POWERED STORAGE MARKET IN APAC FOR MEDIA AND ENTERTAINMENT, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 92 AI-POWERED STORAGE MARKET IN APAC FOR RETAIL, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 93 AI-POWERED STORAGE MARKET IN APAC FOR CONSUMER GOODS, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 94 AI-POWERED STORAGE MARKET IN APAC FOR MANUFACTURING, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 95 AI-POWERED STORAGE MARKET IN APAC FOR OTHER END USERS, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 96 AI-POWERED STORAGE MARKET IN APAC FOR GOVERNMENT BODIES, BY COUNTRY, 2016–2024 (USD MILLION)



TABLE 97 AI-POWERED STORAGE MARKET IN APAC FOR CLOUD SERVICE PROVIDERS, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 98 AI-POWERED STORAGE MARKET IN APAC FOR TELECOM COMPANIES, BY COUNTRY, 2016–2024 (USD MILLION)

TABLE 99 AI-POWERED STORAGE MARKET IN APAC, BY OFFERING, 2016–2024 (USD BILLION)

TABLE 100 AI-POWERED STORAGE MARKET IN CHINA, BY OFFERING, 2016–2024 (USD MILLION)

TABLE 101 AI-POWERED STORAGE MARKET IN JAPAN, BY OFFERING, 2016–2024 (USD MILLION)

TABLE 102 AI-POWERED STORAGE MARKET IN INDIA, BY OFFERING, 2016–2024 (USD MILLION)

TABLE 103 AI-POWERED STORAGE MARKET IN SOUTH KOREA, BY OFFERING, 2016–2024 (USD MILLION)

TABLE 104 AI-POWERED STORAGE MARKET IN REST OF APAC, BY OFFERING, 2016–2024 (USD MILLION)

TABLE 105 AI-POWERED STORAGE MARKET IN ROW, BY REGION, 2016–2024 (USD BILLION)

TABLE 106 AI-POWERED STORAGE MARKET IN ROW, BY END USER, 2016–2024 (USD MILLION)

TABLE 107 AI-POWERED STORAGE MARKET IN ROW, BY ENTERPRISE TYPE, 2016–2024 (USD MILLION)

TABLE 108 AI-POWERED STORAGE MARKET IN ROW FOR ENTERPRISES, BY REGION, 2016–2024 (USD MILLION)

TABLE 109 AI-POWERED STORAGE MARKET IN ROW FOR BFSI, BY REGION, 2016–2024 (USD MILLION)

TABLE 110 AI-POWERED STORAGE MARKET IN ROW FOR HEALTHCARE, BY REGION, 2016–2024 (USD MILLION)

TABLE 111 AI-POWERED STORAGE MARKET IN ROW FOR MEDIA AND ENTERTAINMENT, BY REGION, 2016–2024 (USD MILLION)

TABLE 112 AI-POWERED STORAGE MARKET IN ROW FOR RETAIL, BY REGION, 2016–2024 (USD MILLION)

TABLE 113 AI-POWERED STORAGE MARKET IN ROW FOR CONSUMER GOODS, BY REGION, 2016–2024 (USD MILLION)

TABLE 114 AI-POWERED STORAGE MARKET IN ROW FOR MANUFACTURING, BY REGION, 2016–2024 (USD MILLION)

TABLE 115 AI-POWERED STORAGE MARKET IN ROW FOR OTHER ENTERPRISES, BY REGION, 2016–2024 (USD MILLION)

TABLE 116 AI-POWERED STORAGE MARKET IN ROW FOR GOVERNMENT

BODIES, BY REGION, 2016–2024 (USD MILLION)

TABLE 117 AI-POWERED STORAGE MARKET IN ROW FOR CLOUD SERVICE PROVIDERS, BY REGION, 2016–2024 (USD MILLION)

TABLE 118 AI-POWERED STORAGE MARKET IN ROW FOR TELECOM COMPANIES, BY REGION, 2016–2024 (USD MILLION)

TABLE 119 AI-POWERED STORAGE MARKET IN ROW, BY OFFERING, 2016–2024 (USD MILLION)

TABLE 120 AI-POWERED STORAGE MARKET IN MIDDLE EAST AND AFRICA, BY OFFERING, 2016–2024 (USD MILLION)

TABLE 121 AI-POWERED STORAGE MARKET IN SOUTH AMERICA, BY OFFERING, 2016–2024 (USD MILLION)

TABLE 122 10 MOST RECENT PRODUCT LAUNCHES IN AI-POWERED STORAGE MARKET

TABLE 123 10 MOST RECENT PARTNERSHIPS, CONTRACTS, ACQUISITIONS, AND AGREEMENTS IN AI-POWERED STORAGE MARKET

## List Of Figures

### LIST OF FIGURES

FIGURE 1 AI-POWERED STORAGE MARKET SEGMENTATION

FIGURE 2 AI-POWERED STORAGE MARKET: RESEARCH DESIGN

FIGURE 3 BOTTOM-UP APPROACH

FIGURE 4 TOP-DOWN APPROACH

FIGURE 5 DATA TRIANGULATION

FIGURE 6 ASSUMPTIONS OF RESEARCH STUDY

FIGURE 7 AI-POWERED STORAGE MARKET FOR DAS, BY STORAGE SYSTEM, 2019 VS. 2024 (USD BILLION)

FIGURE 8 SSD TO HOLD LARGER MARKET SIZE IN 2019

FIGURE 9 AI-POWERED STORAGE MARKET, BY ENTERPRISE TYPE, 2019 VS. 2024 (USD MILLION)

FIGURE 10 CHINA TO HOLD LARGEST SIZE OF AI-POWERED STORAGE MARKET IN APAC IN 2024

FIGURE 11 AI-POWERED STORAGE MARKET, BY REGION, 2019–2024

FIGURE 12 AI-POWERED STORAGE MARKET IN APAC TO GROW AT HIGHEST CAGR

DURING 2019–2025

FIGURE 13 HARDWARE TO ACCOUNT FOR LARGER SIZE OF AI-POWERED STORAGE

MARKET IN 2024

FIGURE 14 AI-POWERED STORAGE MARKET FOR CLOUD SERVICE PROVIDERS TO GROW FASTEST DURING FORECAST PERIOD

FIGURE 15 SAN TO HOLD LARGEST SIZE OF AI-POWERED STORAGE MARKET IN 2024

FIGURE 16 INDIA TO EXHIBIT HIGHEST CAGR IN AI-POWERED STORAGE MARKET DURING FORECAST PERIOD

FIGURE 17 AI-POWERED STORAGE MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

FIGURE 18 AI-POWERED STORAGE MARKET DRIVERS AND THEIR IMPACT

FIGURE 19 AI-POWERED STORAGE MARKET RESTRAINTS AND THEIR IMPACT

FIGURE 20 AI-POWERED STORAGE MARKET RESTRAINTS AND THEIR IMPACT

FIGURE 21 AI-POWERED STORAGE MARKET CHALLENGES AND THEIR IMPACT

FIGURE 22 PERCENTAGE AND TYPES OF HEALTHCARE BREACHES REPORTED BY US DEPARTMENT OF HEALTH AND HUMAN SERVICES

FIGURE 23 HARDWARE HELD LARGER SIZE OF AI-POWERED STORAGE

MARKET IN 2018

FIGURE 24 APAC TO WITNESS FASTEST GROWTH IN AI-POWERED STORAGE MARKET FOR HARDWARE DURING FORECAST PERIOD

FIGURE 25 SAN SYSTEMS TO HOLD LARGEST SIZE OF AI-POWERED STORAGE MARKET IN 2024

FIGURE 26 DIRECT-ATTACHED STORAGE SYSTEM MARKET FOR CLOUD SERVICE PROVIDERS TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 27 NETWORK-ATTACHED STORAGE MARKET FOR CLOUD SERVICE PROVIDERS TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 28 STORAGE AREA NETWORK MARKET FOR CLOUD SERVICE PROVIDERS TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 29 FILE- AND OBJECT-BASED STORAGE TO HOLD LARGER SIZE OF AI-POWERED STORAGE MARKET IN 2024

FIGURE 30 SSD TO HOLD LARGER SIZE OF AI-POWERED STORAGE MARKET IN 2024

FIGURE 31 CLOUD SERVICE PROVIDERS TO HOLD LARGEST SIZE OF AI-POWERED STORAGE MARKET IN 2019

FIGURE 32 BFSI TO HOLD LARGEST SIZE OF AI-POWERED STORAGE MARKET IN 2019

FIGURE 33 GEOGRAPHIC SNAPSHOT OF AI-POWERED STORAGE MARKET

FIGURE 34 NORTH AMERICA: AI-POWERED STORAGE MARKET SNAPSHOT

FIGURE 35 US TO HOLD LARGEST SIZE OF AI-POWERED STORAGE MARKET IN NORTH AMERICA IN 2019

FIGURE 36 EUROPE: AI-POWERED STORAGE MARKET SNAPSHOT

FIGURE 37 APAC: AI-POWERED STORAGE MARKET SNAPSHOT

FIGURE 38 CHINA TO HOLD LARGEST SIZE OF AI-POWERED STORAGE MARKET IN APAC IN 2024

FIGURE 39 ROW: AI-POWERED STORAGE MARKET SNAPSHOT

FIGURE 40 COMPANIES IN AI-POWERED STORAGE MARKET ADOPTED PRODUCT LAUNCHES AS KEY GROWTH STRATEGY FROM 2017 TO 2019

FIGURE 41 TOP 5 PLAYERS IN AI-POWERED STORAGE MARKET

FIGURE 42 AI-POWERED STORAGE MARKET (GLOBAL) COMPETITIVE LEADERSHIP MAPPING, 2018

FIGURE 43 DELL TECHNOLOGIES: COMPANY SNAPSHOT

FIGURE 44 HPE: COMPANY SNAPSHOT

FIGURE 45 IBM: COMPANY SNAPSHOT

FIGURE 46 NVIDIA CORPORATION: COMPANY SNAPSHOT

FIGURE 47 PURE STORAGE: COMPANY SNAPSHOT

FIGURE 48 INTEL CORPORATION: COMPANY SNAPSHOT

FIGURE 49 NETAPP: COMPANY SNAPSHOT

FIGURE 50 SAMSUNG ELECTRONICS: COMPANY SNAPSHOT

FIGURE 51 MICRON TECHNOLOGY: COMPANY SNAPSHOT

FIGURE 52 CISCO: COMPANY SNAPSHOT

FIGURE 53 ADVANCED MICRO DEVICES (AMD): COMPANY SNAPSHOT

FIGURE 54 TOSHIBA: COMPANY SNAPSHOT

FIGURE 55 HITACHI: COMPANY SNAPSHOT

FIGURE 56 LENOVO: COMPANY SNAPSHOT

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