DIGITAL & TRENDS

Data storage

statista

Table of Contents

01 Overview

Global public IT cloud services revenue 2016-2023, by segment 03
Global public cloud infrastructure as a service market size 2015-2025 04
Spending on cloud and data centers 2009-2023, by segment 05
Revenue in the Data Center market Worldwide 2018-2029 06
Global figure of hyperscale data centers 2015-2023 07

02 Markets influenced

Global IT spending 2005-2024 09
Revenue in the data center market Worldwide 2018-2029 10
Revenue of the servers industry worldwide 2020-2029 11
AI market size worldwide from 2020-2030 (in billion U.S. dollars) 12
Edge computing market value worldwide 2019-2026 13
Telecom services: global spending forecast 2008-2024 14
IT devices total spending worldwide 2012-2024 15

03 Segments

Revenue of the storage industry worldwide 2018-2029 17
Revenue growth of storage worldwide 2019-2029 18
DRAM market revenue worldwide 2010-2024, by quarter 19
Global share of HBM in DRAM market worldwide 2023-2025 20
NAND flash market revenue worldwide 2010-2024, by quarter 21

04 Companies

Global top-10 cloud vendors by total revenue 2024 23
Vendor market share in cloud infrastructure services market worldwide 2017-2024 24
Data center storage equipment used in the U.S. and Europe 2023, by manufacturer 25
DRAM manufacturers revenue worldwide 2011-2024, by quarter 26
DRAM manufacturers revenue share worldwide 2011-2024, by quarter 27
NAND flash manufacturers revenue worldwide 2010-2024, by quarter 28
NAND flash manufacturers revenue share worldwide 2010-2024, by quarter 29
Enterprise data storage software market share worldwide 2024, by vendor 30

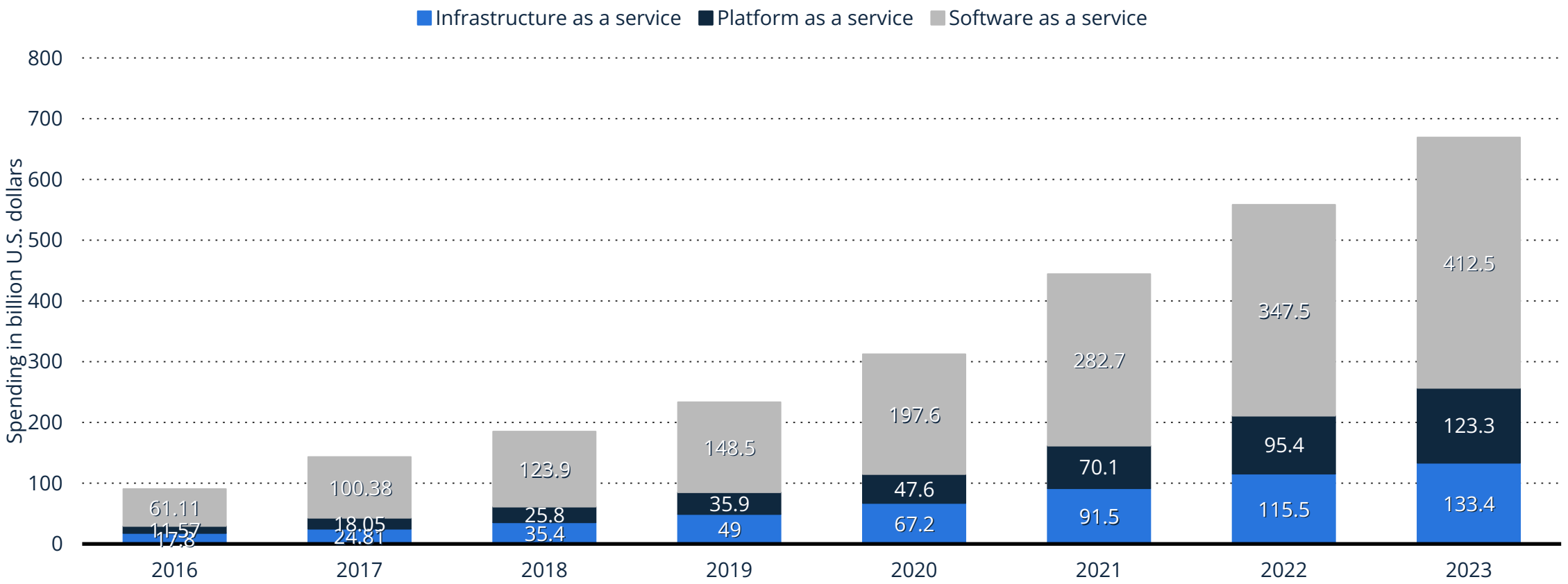
statista

CHAPTER 01

Overview

Public IT cloud services market revenue worldwide from 2016 to 2023, by segment (in billion U.S. dollars)

Global public IT cloud services revenue 2016-2023, by segment

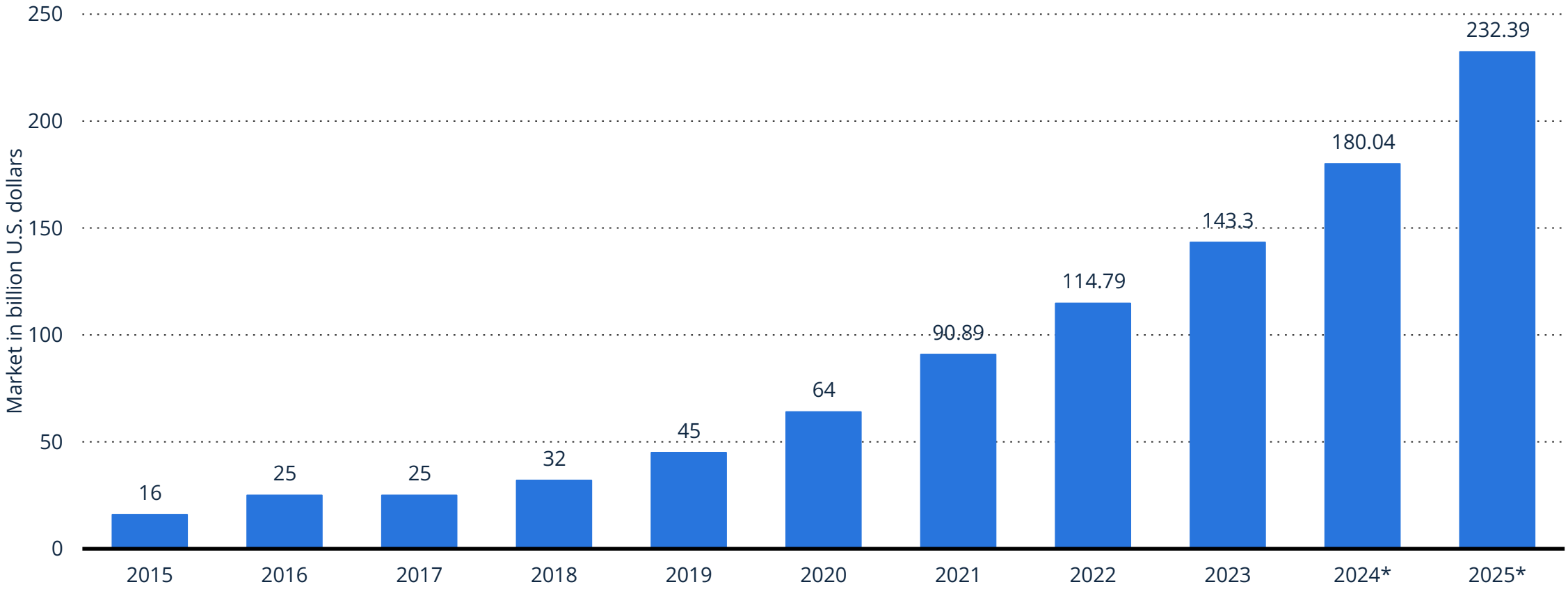


Description: In 2023, the global spending on public IT cloud services amounted to approximately 669 billion U.S. dollars in total. Software as a service (SaaS) spending is the largest segment with revenues of around nearly 413 billion U.S. dollars. This growth is driven by organizations across the world replacing their legacy business applications with SaaS applications that are more data-driven and a more appropriate fit for modern cloud architectures. Read more
Note(s): Worldwide; 2016 to 2024; *SaaS revenues include both SaaS applications and SaaS Systems Infrastructure Software (SISaaS). 2023 SaaS applications revenue: 298.5bn USD 2023 SISaaS revenue: 114bn USD Read more
Source(s): IDC

statista

Public cloud infrastructure as a service (IaaS) end-user spending worldwide from 2015 to 2025 (in billion U.S. dollars)

Global public cloud infrastructure as a service market size 2015-2025

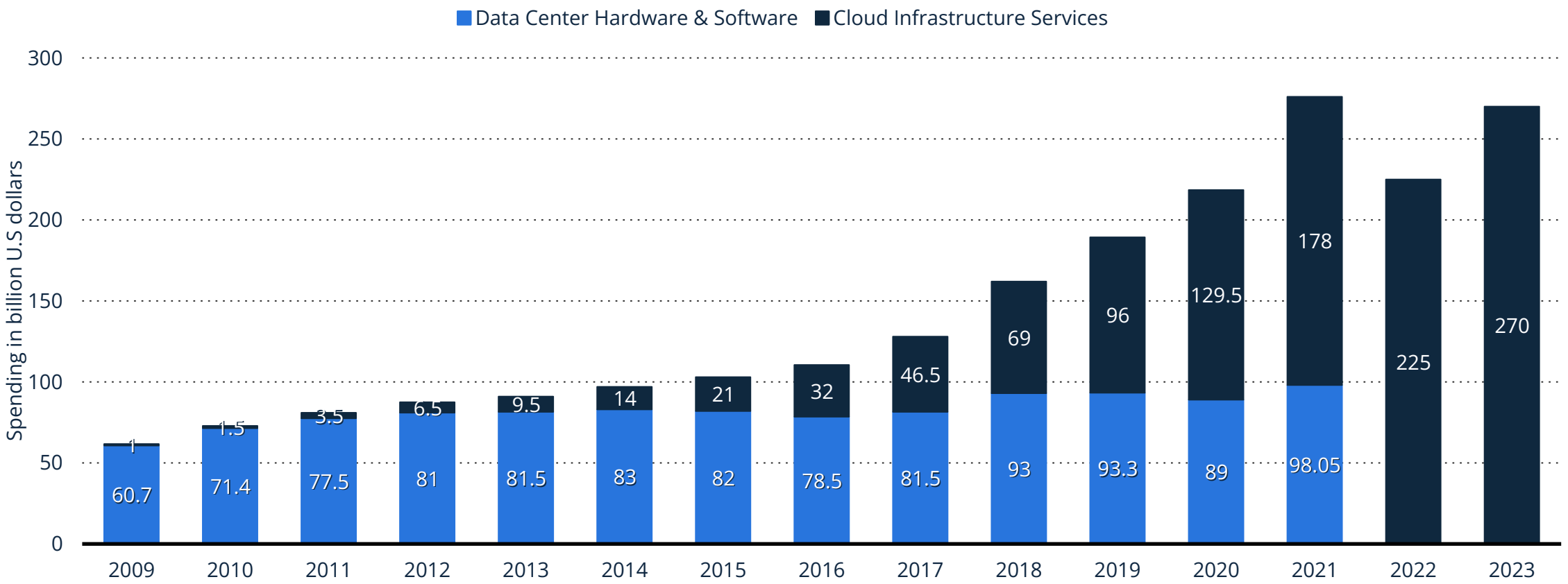


Description: In 2024, the Infrastructure as a Service (IaaS) market is expected to be worth around 180 billion U.S. dollars. IaaS is a computing infrastructure that is provisioned and managed over the internet by a cloud provider. IaaS delivers fundamental network, compute, and storage resources to customers on demand. This model reduces the need for an owned infrastructure that is difficult and expensive to maintain. Read more
Note(s): Worldwide; 2015 to 2024; *Forecast Read more
Source(s): Gartner

statista

Enterprise spending on cloud and data centers by segment from 2009 to 2023 (in billion U.S dollars)

Spending on cloud and data centers 2009-2023, by segment

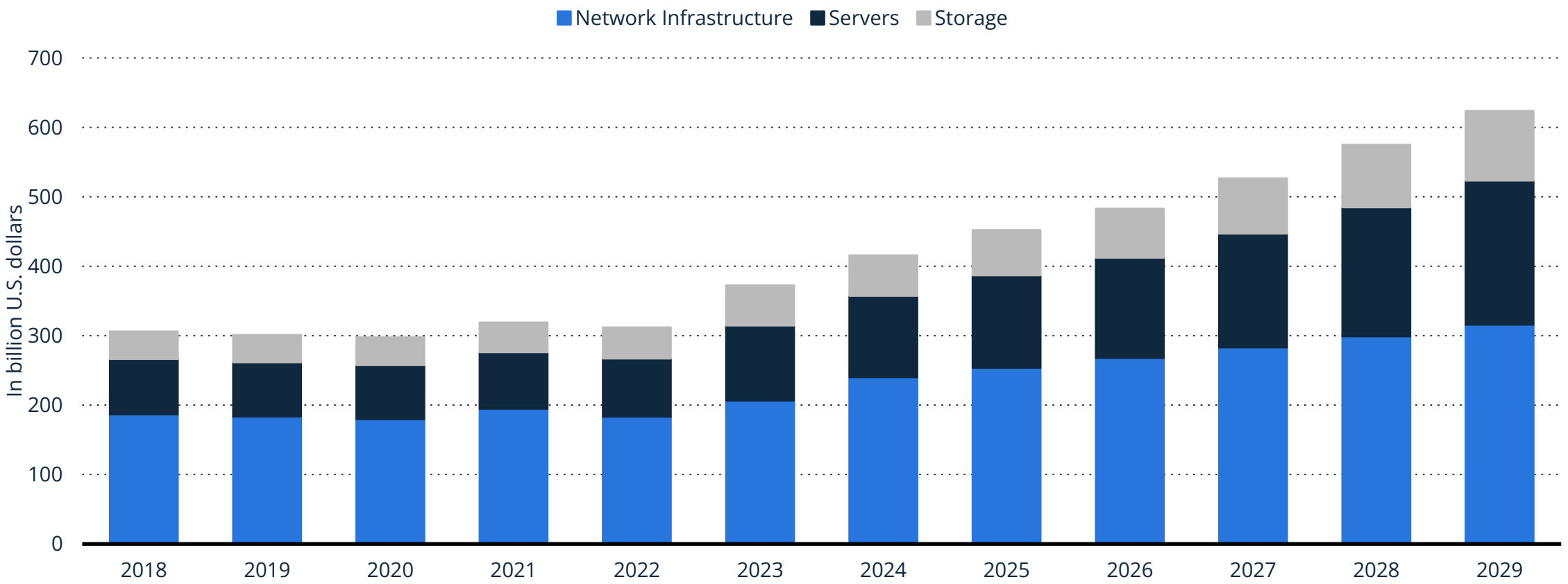


Description: In 2023, enterprise spending on cloud infrastructure services amounted to 270 billion U.S. dollars, a growth of 45 billion U.S. dollars compared to the previous year. The growing market for cloud infrastructure services is driven by organizations' demand for modern networking, storage, and databases solutions. Read more
Note(s): Worldwide; 2009 to 2024
Source(s): Statista estimates; Synergy Research Group

statista

Revenue in the Data Center market for different segments Worldwide from 2018 to 2029 (in billion U.S. dollars)

Revenue in the Data Center market Worldwide 2018-2029

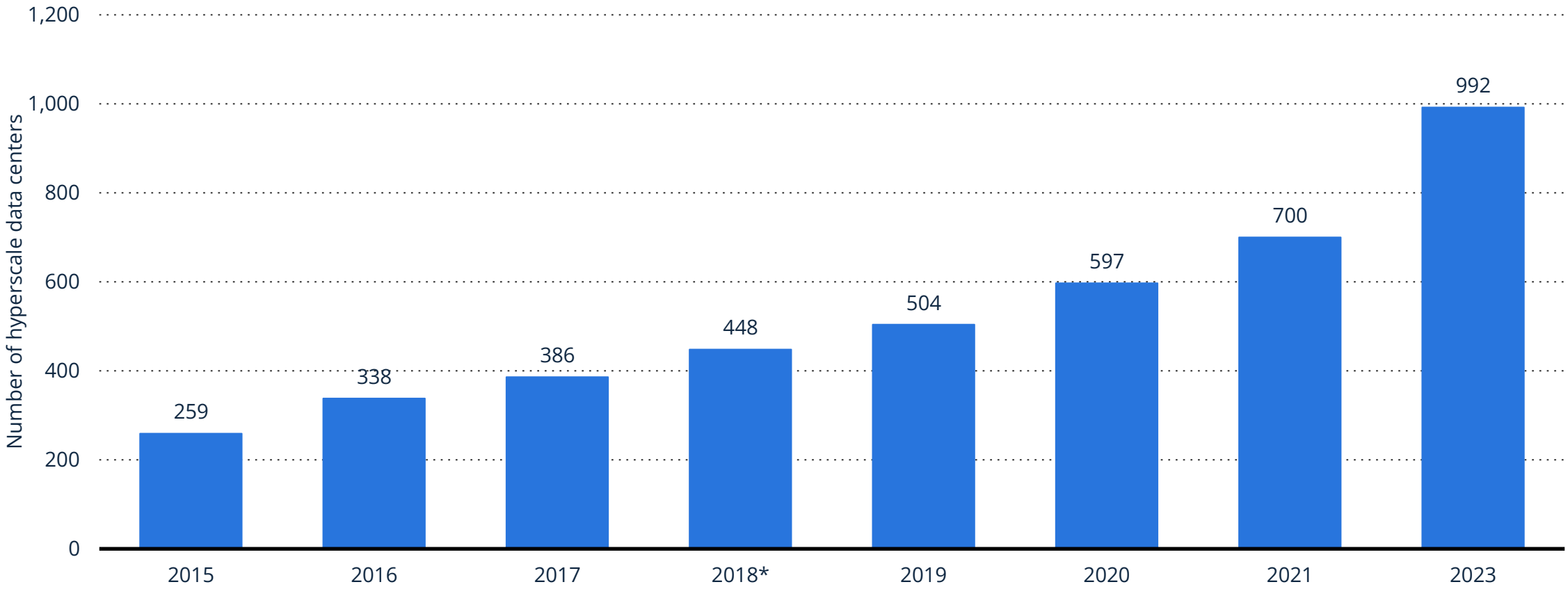


Description: The revenue is forecast to experience significant growth in all segments in 2029. As part of the positive trend, the indicator reaches the maximum value for all three different segments at the end of the comparison period. Particularly noteworthy is the segment Network Infrastructure, which has the highest value of 315.43 billion U.S. dollars. Read more
Note(s): Worldwide
Source(s): Statista; Statista Market Insights

statista

Number of hyperscale data centers worldwide from 2015 to 2023

Global figure of hyperscale data centers 2015-2023



Description: The number of hyperscale data centers worldwide reached 992 in 2023, up from just 700 two years prior. Read more
Note(s): Worldwide; 2015 to 2023; *Forecast. The source did not provide a figure for 2022. Read more
Source(s): Synergy Research Group

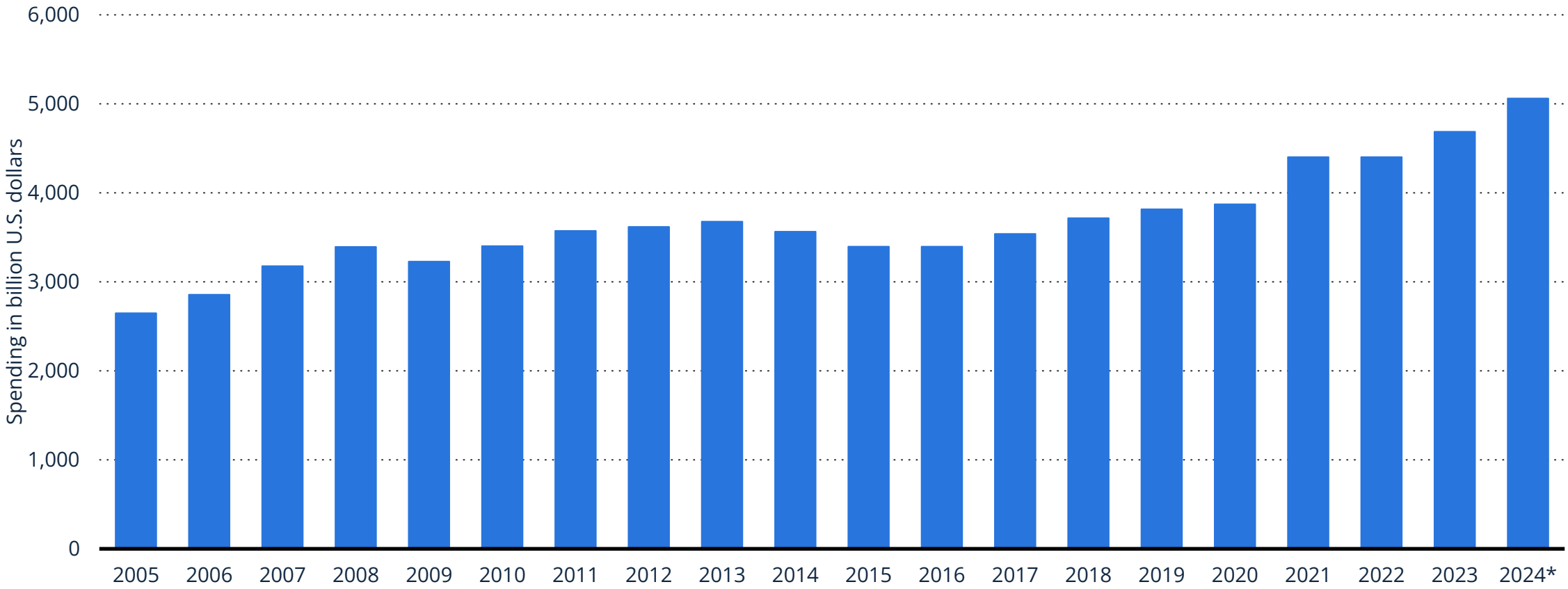
statista

CHAPTER 02

Markets influenced

Information technology (IT) worldwide spending from 2005 to 2024 (in billion U.S. dollars)

Global IT spending 2005-2024

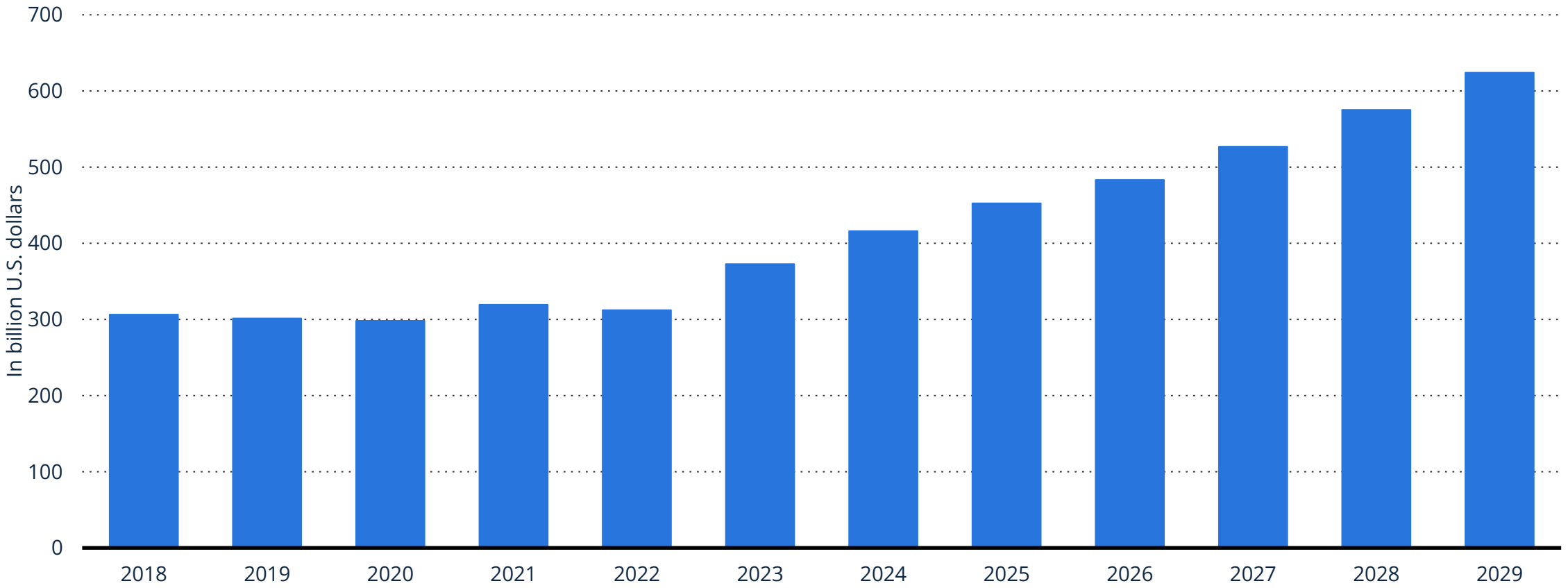


Description: IT spending worldwide is projected to reach over five trillion U.S. dollars in 2024, a nearly eight percent increase on 2023 spending. Read more
Note(s): Worldwide; 2005 to 2024; Includes spending on software, devices, services, data center systems, and communication services; * Forecast Read more
Source(s): Gartner

statista

Revenue in the data center market Worldwide from 2018 to 2029 (in billion U.S. dollars)

Revenue in the data center market Worldwide 2018-2029

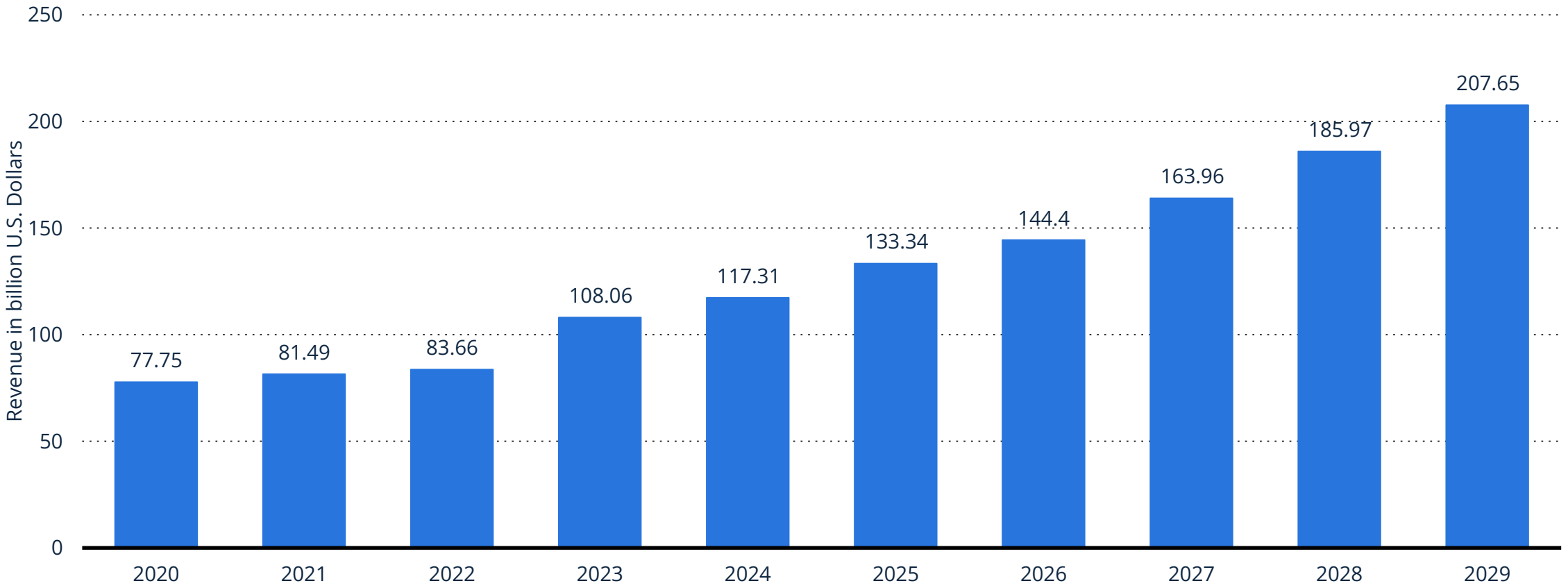


Description: The global revenue in the data center market was forecast to continuously increase between 2024 and 2029 by in total 208 billion U.S. dollars (+49.99 percent). After the seventh consecutive increasing year, the indicator is estimated to reach 624.07 billion U.S. dollars and therefore a new peak in 2029. Read more
Note(s): Worldwide; 2018 to 2029
Source(s): Statista; Statista Market Insights

statista

Revenue of the servers market worldwide from 2020 to 2029 (in billion U.S. dollars)

Revenue of the servers industry worldwide 2020-2029

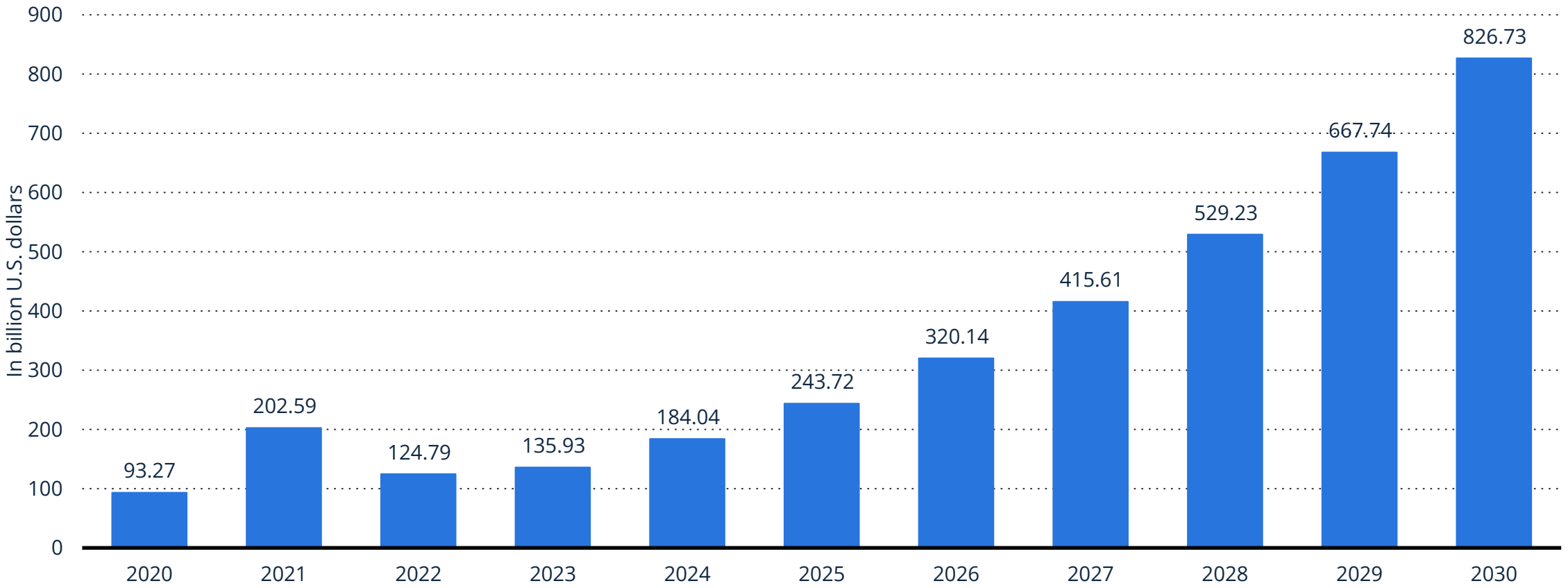


Description: The global revenue in the 'Servers' segment of the data center market was forecast to continuously increase between 2024 and 2029 by in total 90.3 billion U.S. dollars (+76.98 percent). After the ninth consecutive increasing year, the indicator is estimated to reach 207.65 billion U.S. dollars and therefore a new peak in 2029. Notably, the revenue of the 'Servers' segment of the data center market was continuously increasing over the past years. Read more
Note(s): Worldwide; 2020 to 2029
Source(s): Statista

statista

Artificial intelligence (AI) market size worldwide from 2020 to 2030 (in billion U.S. dollars)

AI market size worldwide from 2020-2030 (in billion U.S. dollars)

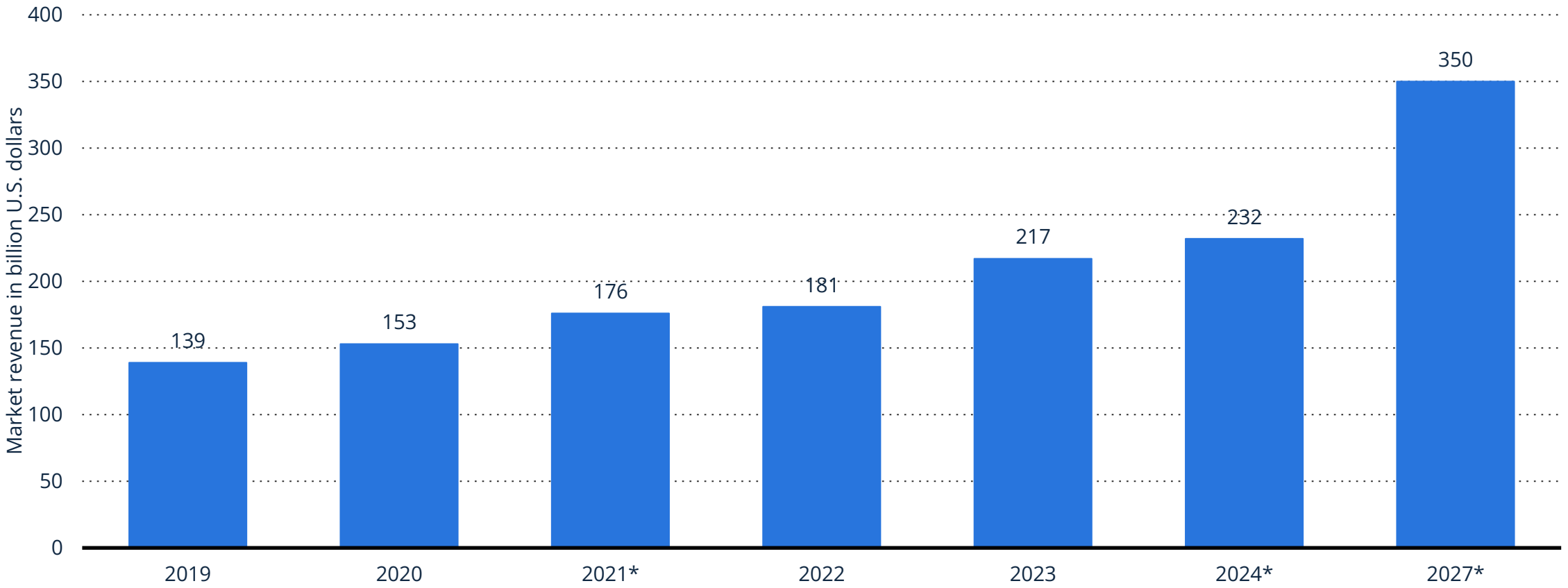


Description: The market for artificial intelligence grew beyond 184 billion U.S. dollars in 2024, a considerable jump of nearly 50 billion compared to 2023. This staggering growth is expected to continue with the market racing past 826 billion U.S. dollars in 2030.AI demands data Data management remains the most difficult task of AI-related infrastructure. This challenge takes many forms for AI companies. Some require more specific data, while others have difficulty maintaining and organizing the data [...] Read more
Note(s):
Source(s): Statista

statista

Edge computing market revenue worldwide from 2019 to 2026 (in billion U.S. dollars)

Edge computing market value worldwide 2019-2026

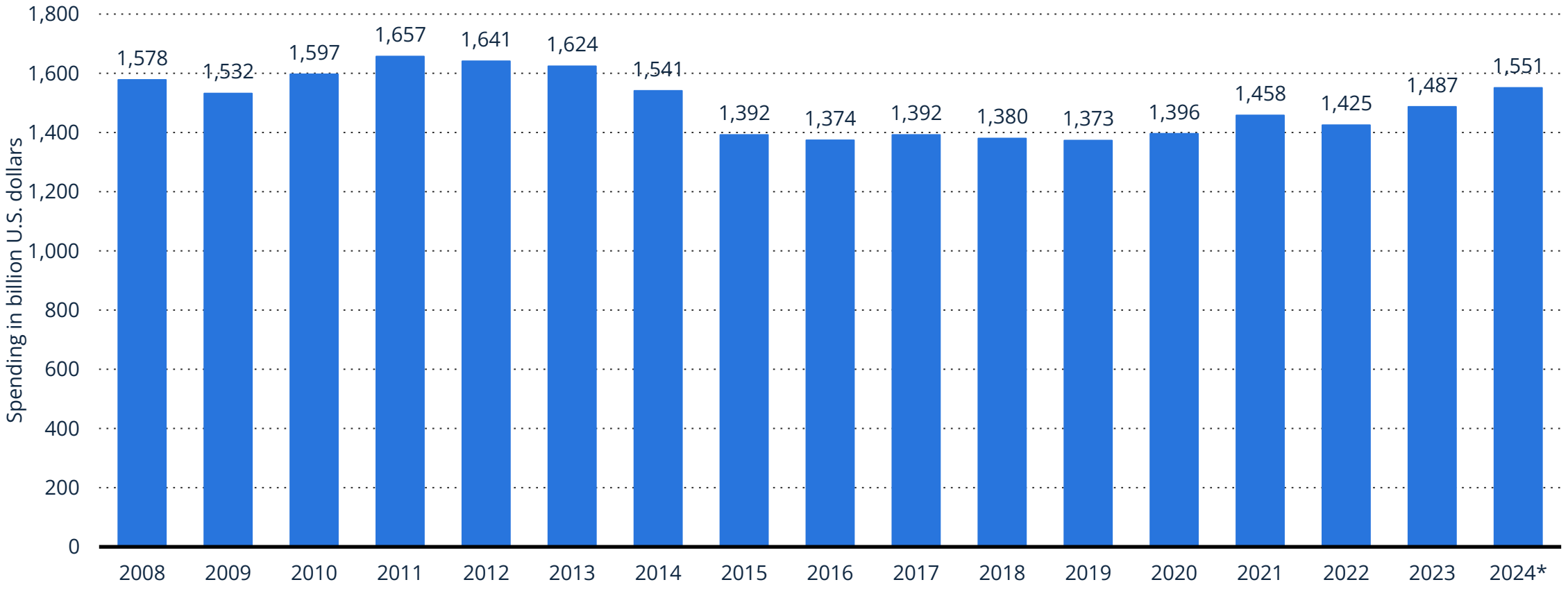


Description: The worldwide edge computing market is projected to reach 350 billion U.S. dollars by 2027. Edge computing is the delivering of storage, computing, and network capabilities to the local points of a network, through which less latency, reduced cost, better performance and higher security at the edge are obtained. Read more
Note(s): Worldwide; 2019 to 2023; *Forecast Figures for the years before 2024 are calculated by Statista based initial figures provided by the source. Read more
Source(s): IDC; Statista

statista

Information technology (IT) spending on telecommunications services worldwide from 2008 to 2024 (in billion U.S. dollars)

Telecom services: global spending forecast 2008-2024

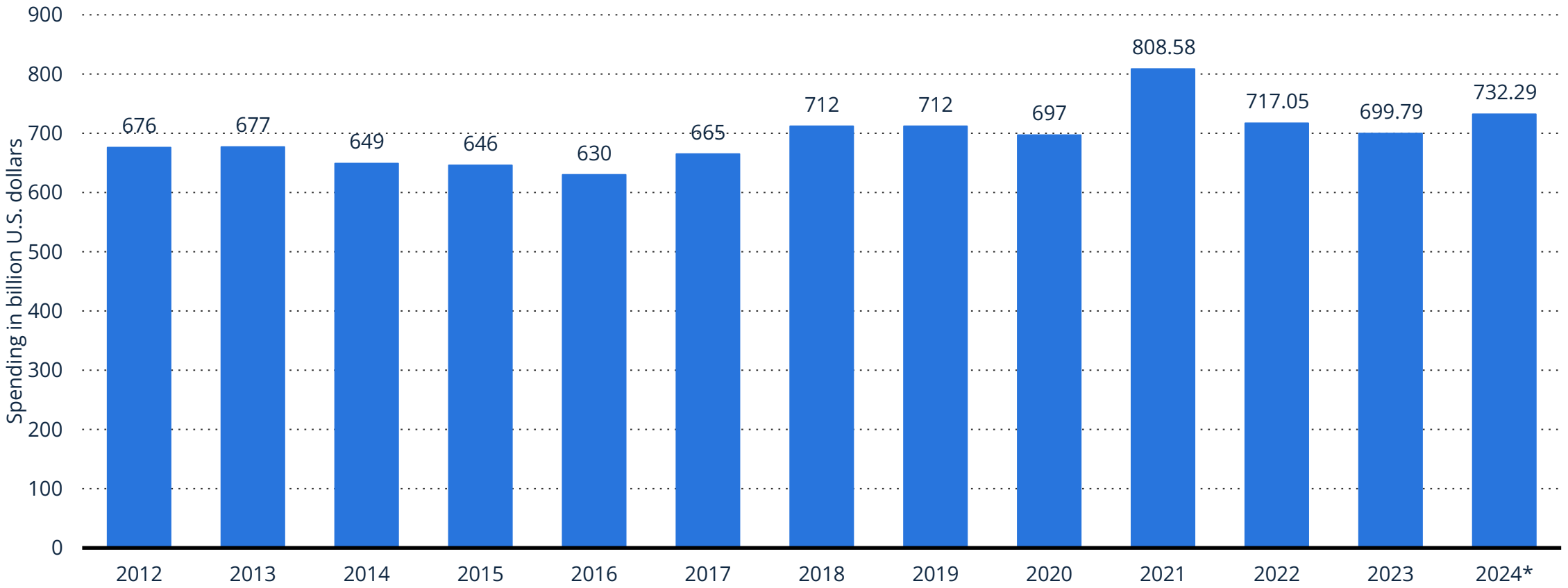


Description: In 2024, global telecommunication services spending is expected to amount to 1.55 trillion U.S. dollars, an increase of over 4 percent on the previous year. This would amount to the highest annual spending figure since 2012. Read more
Note(s): Worldwide; 2008 to 2024; *Forecast Values have been rounded Read more
Source(s): Gartner

statista

Global spending on devices (PCs, tablets, mobile phones, and printers) from 2012 to 2024 (in billion U.S. dollars)

IT devices total spending worldwide 2012-2024



Description: In 2023, spending on devices amounted to nearly 700 billion U.S. dollars globally, a decrease of around 2.4 percent from the previous year. Global IT spending is expected to reach approximately five trillion U.S. dollars in 2024, increasing by about 6.8 percent compared to 2023. Around 732 billion U.S. dollars will be spent on devices. Read more
Note(s): Worldwide; 2012 to 2024; Includes PCs, ultramobiles, mobile phones, tablets and printers; *Forecast Read more
Source(s): Gartner

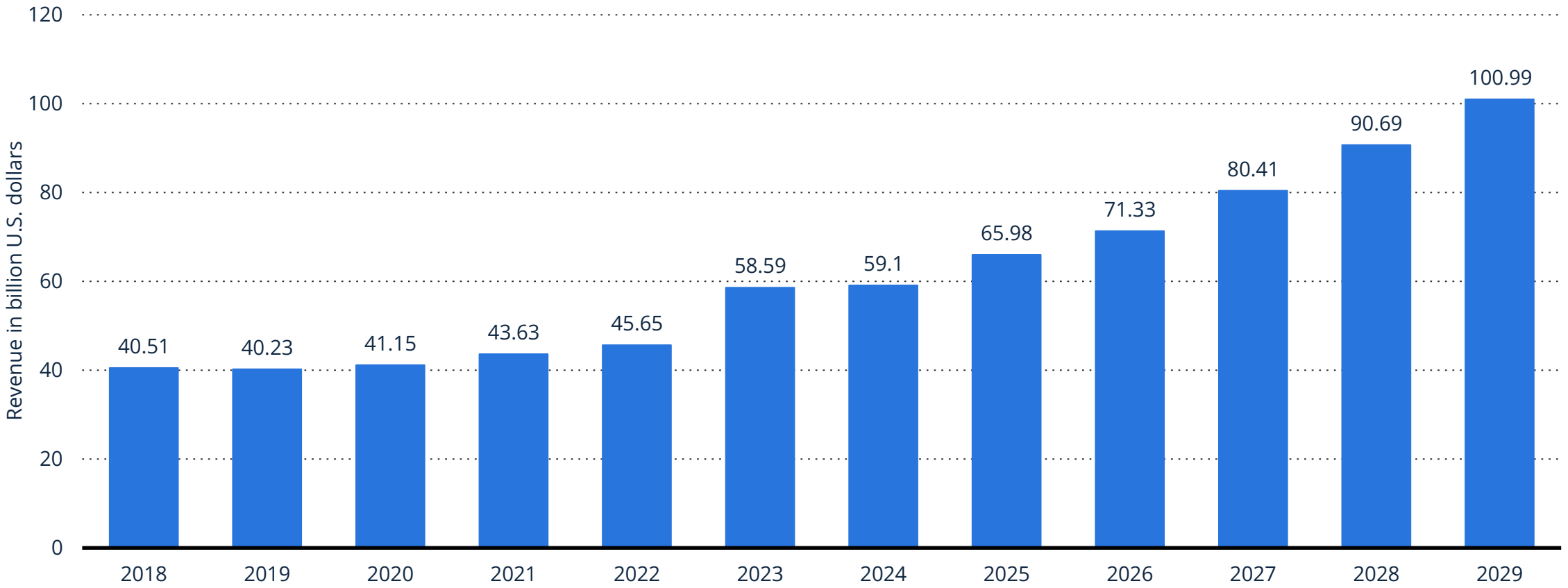
statista

CHAPTER 03

Segments

Revenue of the storage market worldwide from 2018 to 2029 (in billion U.S. dollars)

Revenue of the storage industry worldwide 2018-2029

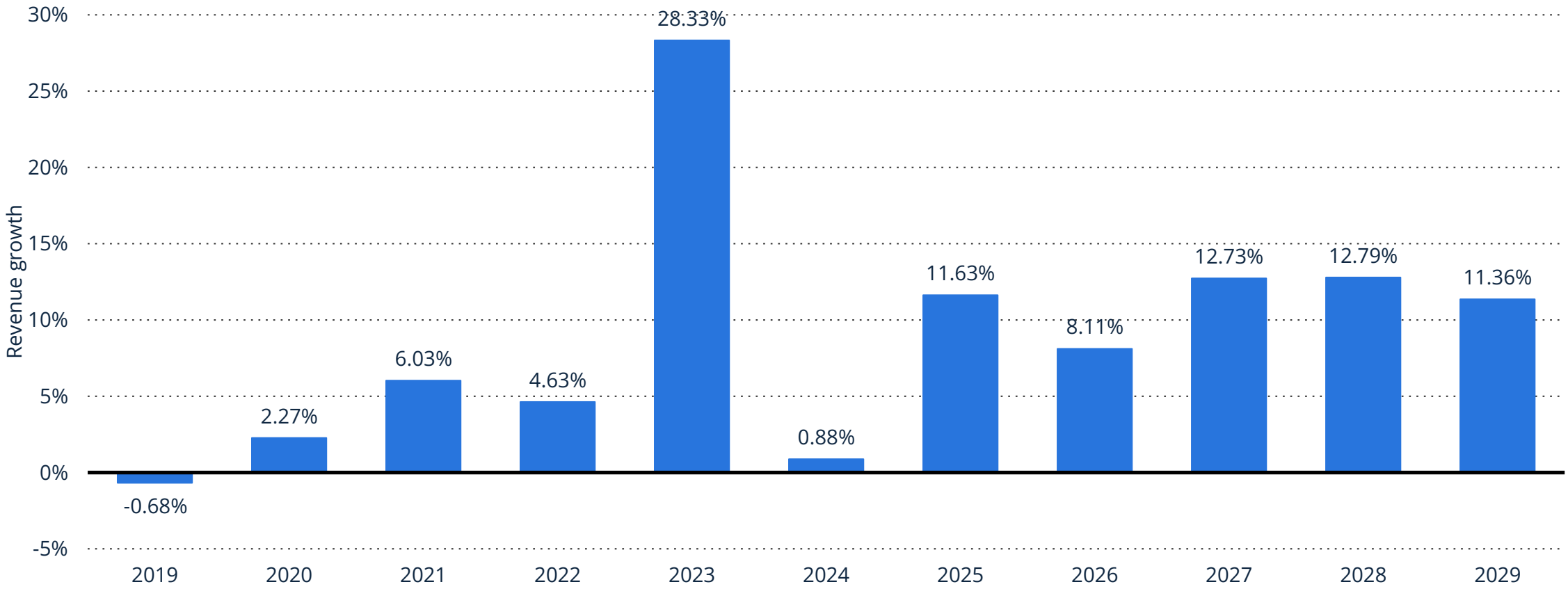


Description: The global revenue in the 'Storage' segment of the data center market was forecast to continuously increase between 2024 and 2029 by in total 41.9 billion U.S. dollars (+70.9 percent). After the tenth consecutive increasing year, the indicator is estimated to reach 100.99 billion U.S. dollars and therefore a new peak in 2029. Read more
Note(s): Worldwide; 2018 to 2029
Source(s): Statista; Statista Consumer Market Insights

statista

Revenue growth of the storage market worldwide from 2019 to 2029

Revenue growth of storage worldwide 2019-2029

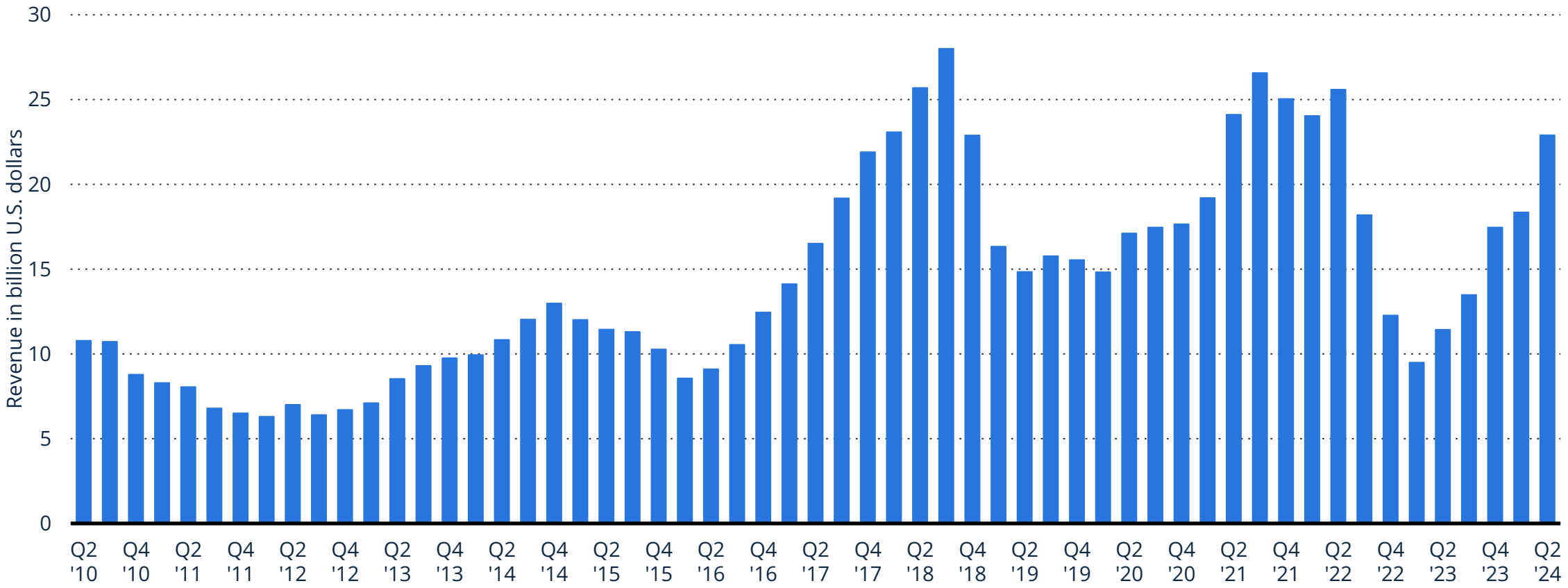


Description: The global revenue change in the 'Storage' segment of the data center market was forecast to increase between 2024 and 2029 by in total 10.5 percentage points. This overall increase does not happen continuously, notably not in 2026 and 2029. The indicator is estimated to amount to 11.36 percent in 2029. Read more
Note(s): Worldwide; 2019 to 2029
Source(s): Statista; Statista Consumer Market Insights

statista

DRAM market revenue worldwide from 2010 to 2024, by quarter (in billion U.S. dollars)

DRAM market revenue worldwide 2010-2024, by quarter

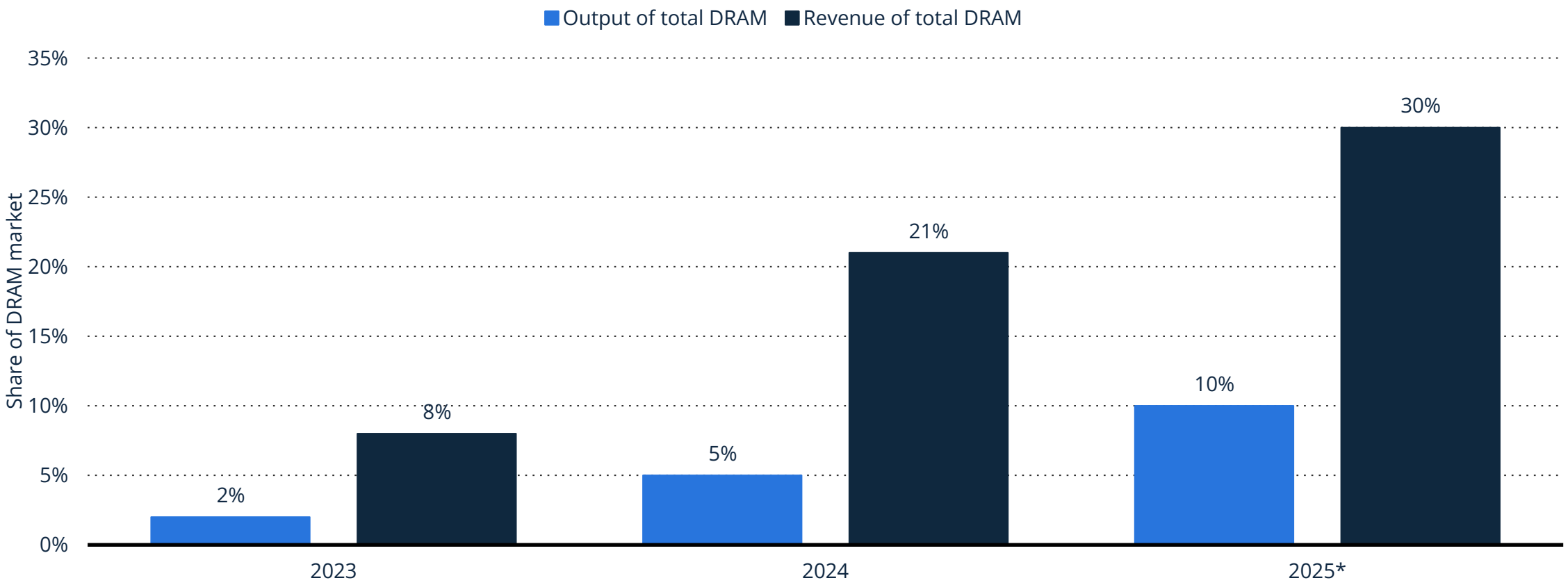


Description: In the second quarter of 2024, the semiconductor industry made 22.9 billion U.S. dollars through sales of dynamic random-access memory products, commonly known as DRAM. This is up from the 18.35 billion U.S. dollars that was made during the first quarter of 2024. Read more
Note(s): Worldwide; 2010 to 2024
Source(s): DRAMeXchange; IHS; TrendFocus; TrendForce

statista

High-bandwidth memory share of dynamic random-access memory (DRAM) market worldwide from 2023 to 2025

Global share of HBM in DRAM market worldwide 2023-2025

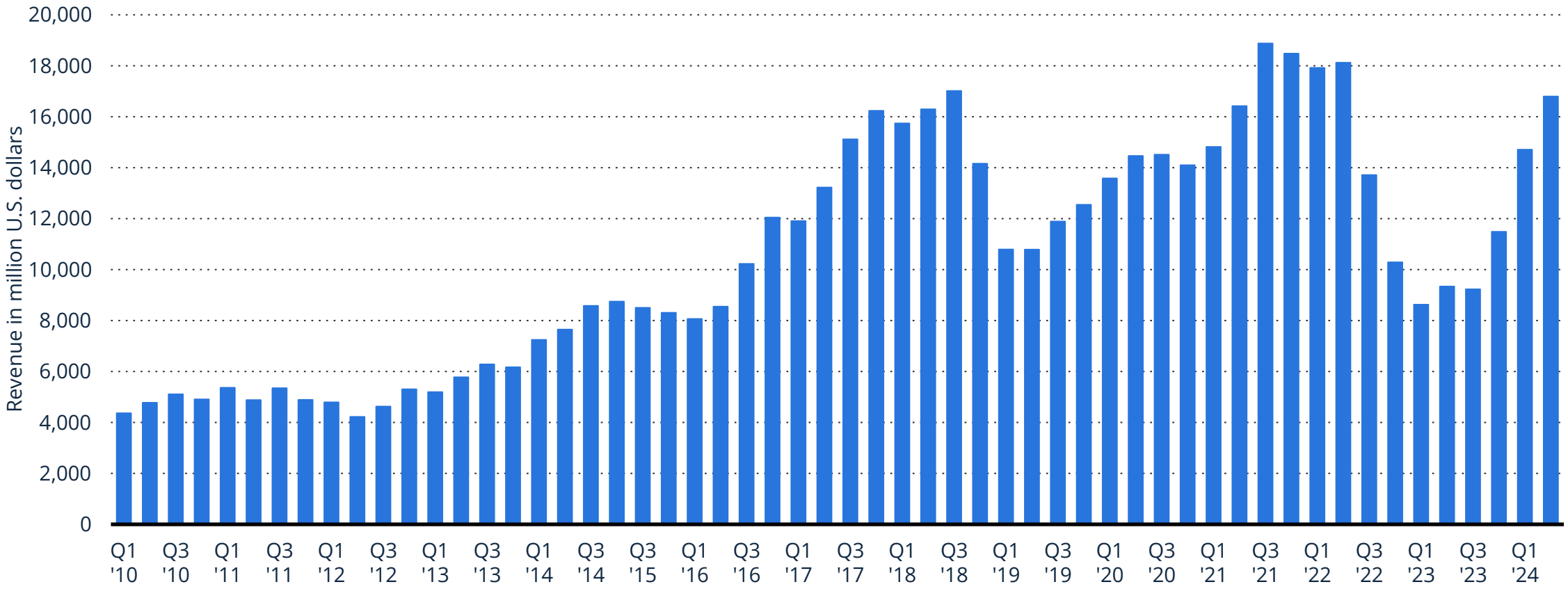


Description: In 2025, it is predicted that the high-bandwidth memory (HBM) share of the dynamic random-access memory (DRAM) will be at least 30 percent by 2025 The market is set to experience a steady output and revenue growth after 2023.HBM is a specialized type of computer memory. It's designed to offer fast data transfer rates between the processor and memory, commonly used in graphics cards and high-performance computing systems. HBM revolutionizes how DRAM is packaged. Read more
Note(s): Worldwide; 2023 to 2024; * Forecast. Read more
Source(s): TrendForce

statista

NAND flash market revenue worldwide from 2010 to 2024, by quarter (in million U.S. dollars)

NAND flash market revenue worldwide 2010-2024, by quarter



Description: In the second quarter of 2024, 16.8 billion U.S. dollars worth of revenue was generated from sales of NAND flash memory products worldwide. Among vendors, Samsung is the leading NAND flash manufacturer in terms of revenue. Read more
Note(s): Worldwide; 2010 to 2024
Source(s): DRAMeXchange; TrendForce

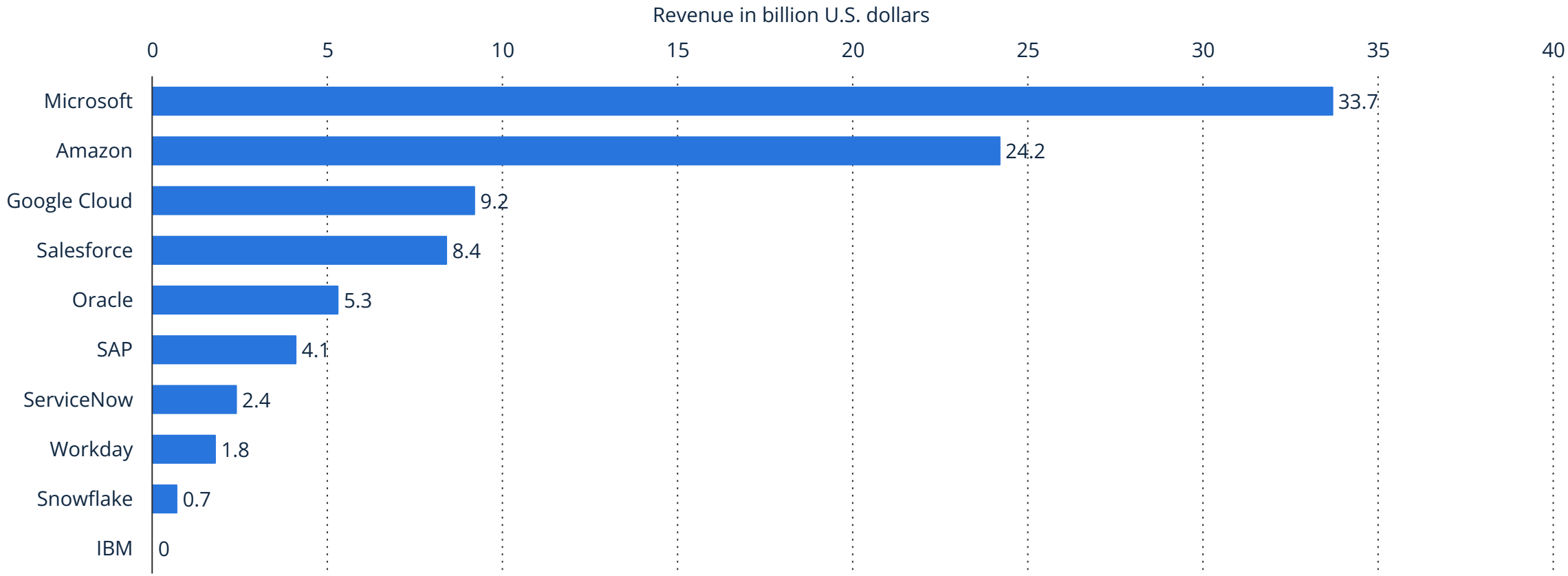
statista

CHAPTER 04

Companies

Worldwide top-10 leading cloud vendors by total revenue 2024 (in billion U.S. dollars)

Global top-10 cloud vendors by total revenue 2024

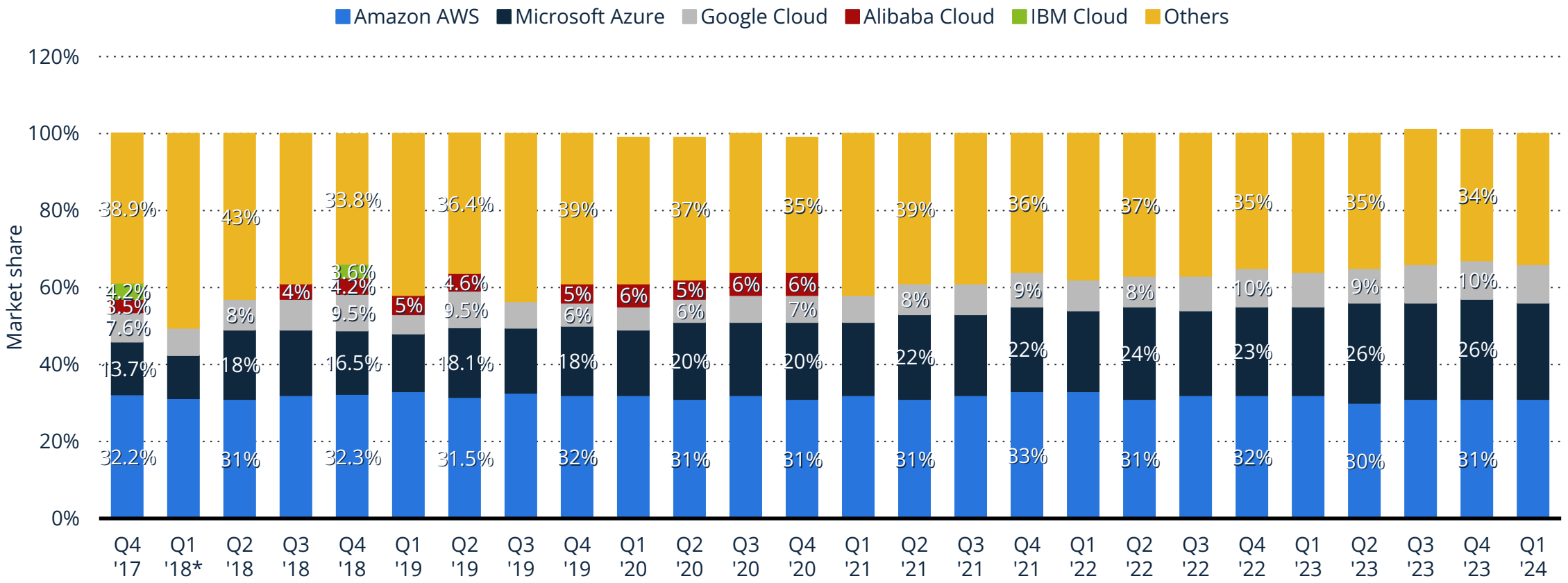


Description: In 2024, Microsoft generated revenue of 33.7 billion U.S. dollars, positioning the tech giant as the leader among cloud vendors in terms of revenue. Azure —Microsoft's cloud computing platform — offers customers services for running and managing applications in different cloud environments. Read more
Note(s): Worldwide; 2024
Source(s): cloudwars.co

statista

Cloud infrastructure services vendor market share worldwide from fourth quarter 2017 to first quarter 2024

Vendor market share in cloud infrastructure services market worldwide 2017-2024



24

Description: In the first quarter of 2024, the most popular vendor in the cloud infrastructure services market, Amazon Web Services (AWS), controlled 31 percent of the entire market. Microsoft Azure takes second place with 25 percent market share, followed by Google Cloud with 10 percent market share. Together, these three cloud vendors account for 66 percent of total spend in the first quarter of 2024. Organizations use cloud services from these vendors for machine learning, data analytics, cloud [...] Read more

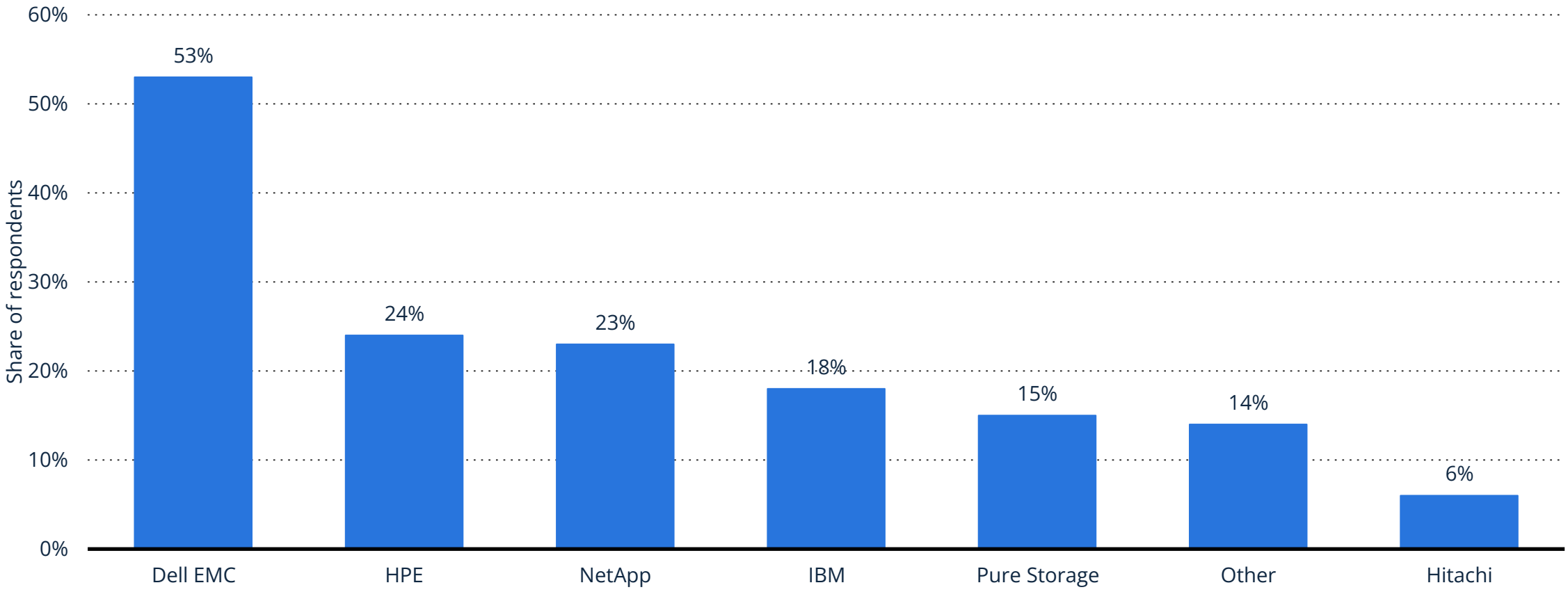
Note(s): Worldwide; 2017 to 2024

Source(s): Canalys; Statista

statista

Data center storage equipment used by organizations in the United States and Europe in 2023, by manufacturer

Data center storage equipment used in the U.S. and Europe 2023, by manufacturer

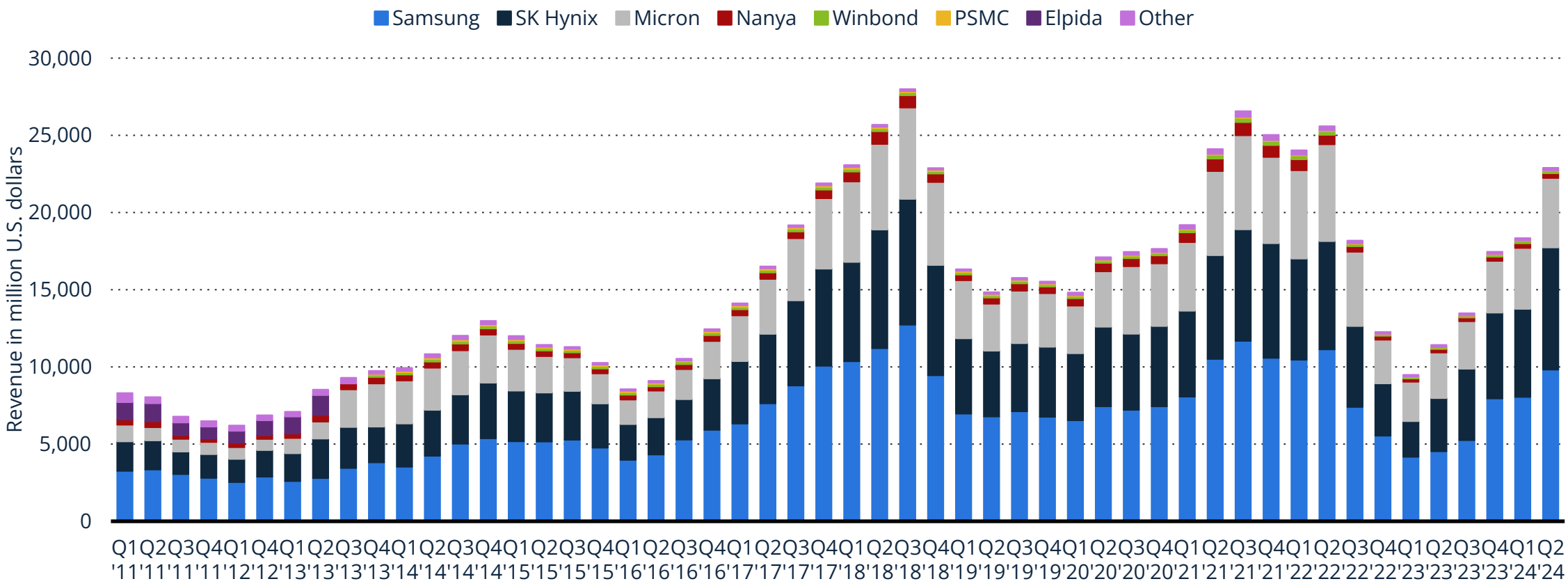


Description: According to a 2023 survey, Dell EMC was the most popular manufacturer for data center storage equipment among U.S. and European organizations. Formerly EMC Corporation, the U.S. firm was acquired by Dell in 2016. Hewlett Packard Enterprise (HPE) was the second most popular manufacturer, followed NetApp. Read more
Note(s): Europe, United States; April to July 2023; 1006 respondents; IT professionals
Source(s): Service Express

statista

DRAM manufacturers revenue worldwide from 2011 to 2024, by quarter (in million U.S. dollars)

DRAM manufacturers revenue worldwide 2011-2024, by quarter

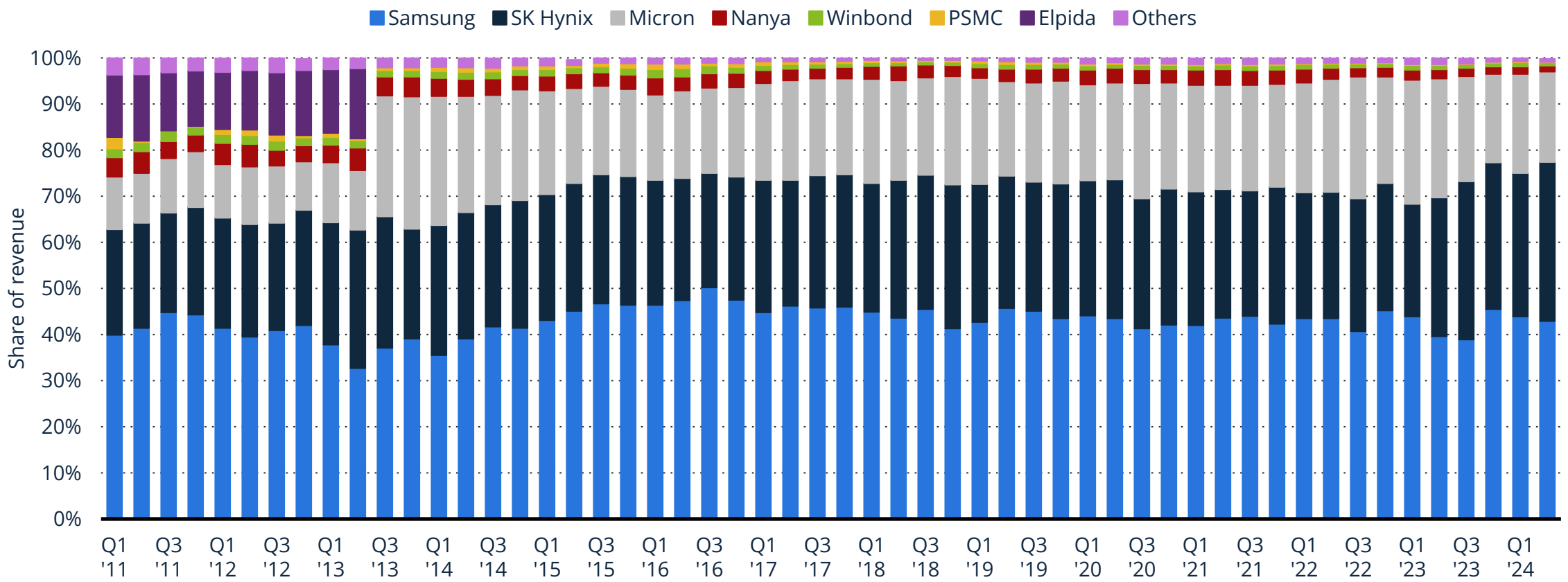


Description: In the second quarter of 2024, Samsung achieved a revenue of 9.82 billion U.S. dollars from global DRAM sales, up from the 4.53 billion U.S. dollars the company achieved during the same quarter of 2023. SK Hynix, who ranked second among vendors, generated revenues of 7.91 billion U.S. dollars from global DRAM sales in the second quarter of 2024. Overall DRAM revenues amounted to 22.9 billion U.S. dollars for the quarter, up from the 18.35 billion U.S. dollars observed in the first [...] Read more
Note(s): Worldwide; 2011 to 2024
Source(s): DRAMeXchange; IHS; TrendFocus; TrendForce

statista

DRAM manufacturers revenue share worldwide from 2011 to 2024, by quarter

DRAM manufacturers revenue share worldwide 2011-2024, by quarter

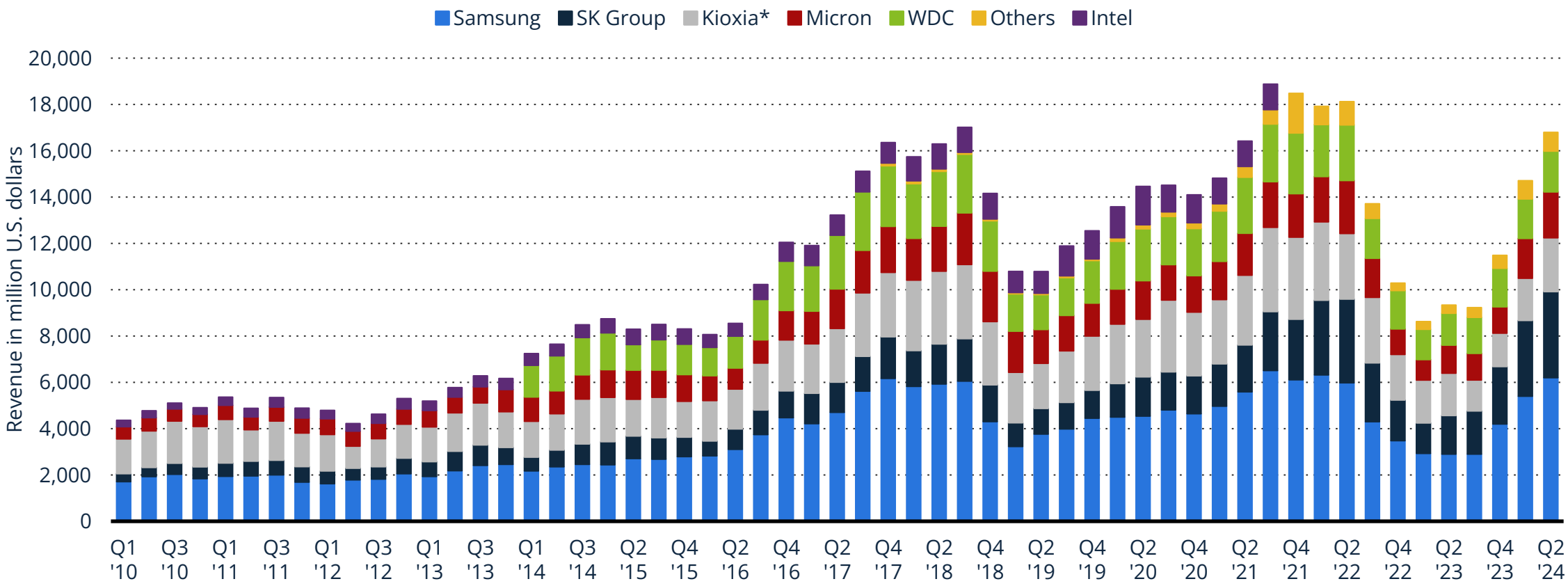


Description: In the second quarter of 2024, Samsung held a DRAM market share of 42.9 percent, while SK Hynix occupied a market share of 34.5 percent. Micron sat as the third-largest DRAM supplier with a market share of 19.6 percent during the second quarter of 2024. Read more
Note(s): Worldwide; 2011 to 2024
Source(s): DRAMeXchange; IHS; TrendFocus; TrendForce

statista

NAND flash manufacturers revenue worldwide from 2010 to 2024, by quarter (in million U.S. dollars)

NAND flash manufacturers revenue worldwide 2010-2024, by quarter

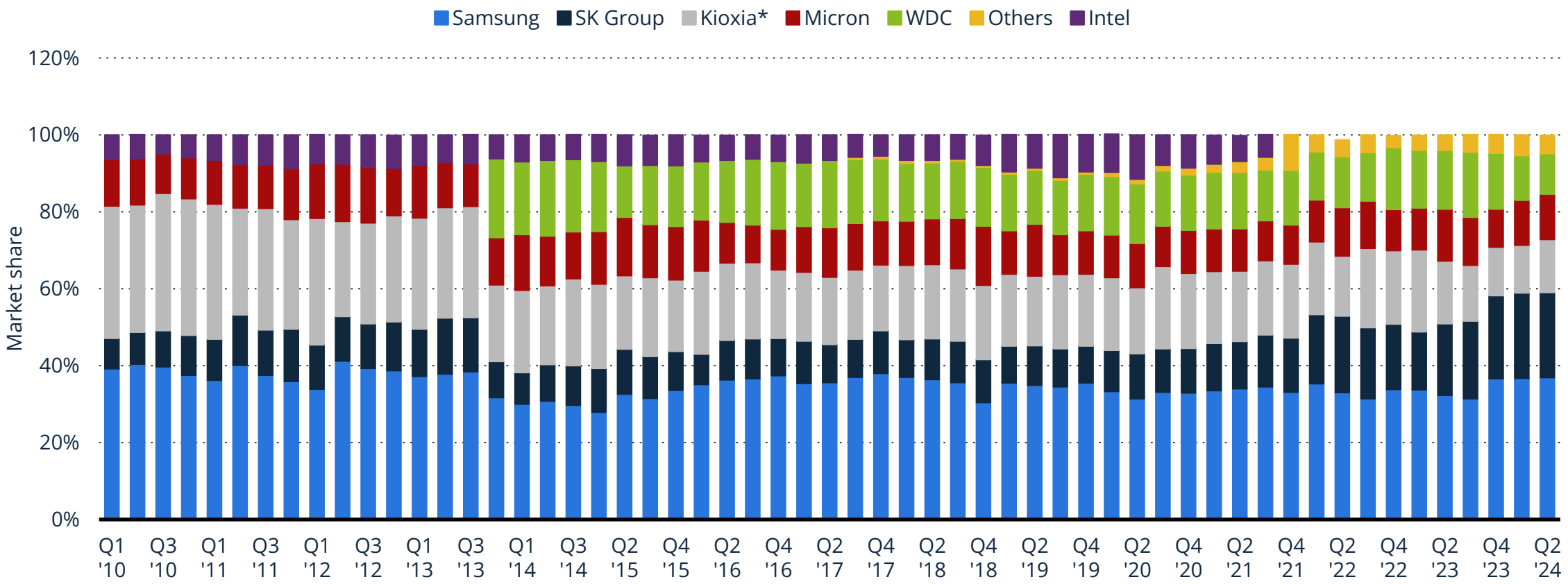


Description: In the second quarter of 2024, Samsung generated revenues of 6.2 billion U.S. dollars from the sales of NAND flash products worldwide, ranking them first among manufacturers. This was an increase from the 5.4 billion U.S. dollars the company generated in the first quarter of 2024. SK Group ranked second among vendors, generating 3.72 billion U.S. dollars in revenue from the sales of NAND flash products. Read more
Note(s): Worldwide; 2010 to 2024; *Toshiba Memory was rebranded to Kioxia on Oct. 1, 2019 Read more
Source(s): DRAMeXchange; TrendForce

statista

NAND flash manufacturers revenue share worldwide from 2010 to 2024, by quarter

NAND flash manufacturers revenue share worldwide 2010-2024, by quarter

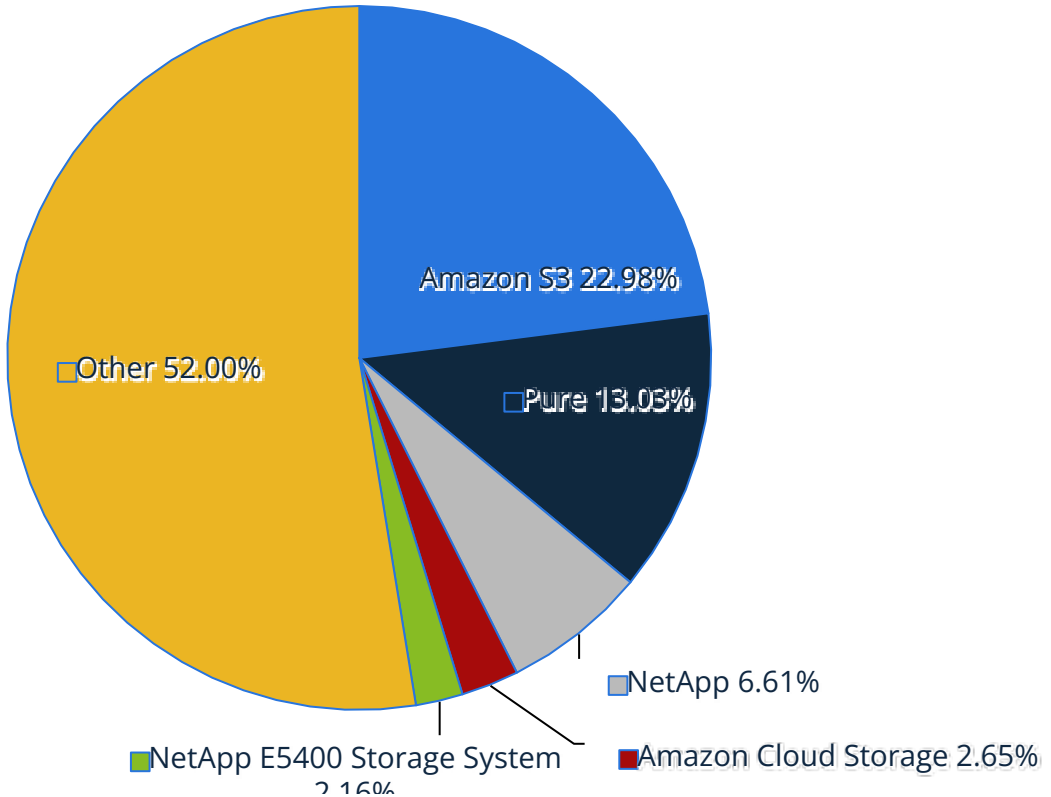


Description: In the second quarter of 2024, Samsung held a market share of 36.9 percent of the NAND flash memory market worldwide, ranking first among vendors. SK Group ranked second, occupying 22.1 percent of the global market. Read more
Note(s): Worldwide; 2010 to 2024; * Toshiba Memory was rebranded to Kioxia on Oct. 1, 2019. Read more
Source(s): DRAMeXchange; TrendForce

statista

Leading vendors' share in the enterprise data storage software market worldwide in 2024

Enterprise data storage software market share worldwide 2024, by vendor



Description: Amazon S3 led the global enterprise data storage software industry in 2024 with a market share of 22.98 percent, followed by Pure and NetApp, which accounted for 13.03 and 6.61 percent shares, respectively. Amazon S3, also known as Amazon Simple Storage Service, was launched in 2006 by Amazon Web Services (AWS). Read more
Note(s): Worldwide; 2024
Source(s): Datanyze

statista

Sources

Canalys
cloudwars.co
Datanyze
DRAMeXchange
Gartner
IDC
IHS
iSuppli
Service Express
Statista
Statista Consumer Market Insights
Statista estimates
Statista Market Insights
Synergy Research Group
TrendFocus
TrendForce