

Scale Out NAS Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, By Interface (Fibre Channel, Ethernet, InfiniBand), By Deployment (On-premises, Cloud, Hybrid), By Application (High-Performance Computing, Big Data Analytics, Media and Entertainment, Cloud Computing, Others), By Region 7 Competition, 2020-2030F

<https://marketpublishers.com/r/S900A2933EC0EN.html>

Date: June 2025

Pages: 185

Price: US\$ 4,500.00 (Single User License)

ID: S900A2933EC0EN

Abstracts

Market Overview

The Global Scale Out NAS Market was valued at USD 72.26 billion in 2024 and is projected to reach USD 116.47 billion by 2030, growing at a CAGR of 8.28% during the forecast period. Scale Out NAS (Network-Attached Storage) solutions allow organizations to expand their storage infrastructure by simply adding new nodes to a unified storage system, eliminating the need for disruptive and expensive upgrades typical of traditional systems. This architecture is specifically designed to handle massive volumes of unstructured data—including multimedia files, logs, backups, and big data—making it highly suitable for industries like media, healthcare, research, and finance. Its key benefits include seamless scalability, high availability, and improved performance, all of which support the evolving data needs of modern enterprises.

Key Market Drivers

Data Explosion from Digital Transformation

The rapid pace of digital transformation across industries is fueling a surge in unstructured data volumes—from high-definition video and sensor-generated logs to

telemetry and archived documents. Businesses deploying cloud-native applications and data-driven strategies require scalable, flexible storage systems to handle this growth. The Global Scale Out NAS Market addresses these demands by enabling on-demand capacity expansion without operational downtime. These systems also support multiple access protocols such as NFS, SMB, and object storage, facilitating integration across varied workloads and eliminating the complexity of managing separate storage environments.

Key Market Challenges

Integration Complexity with Legacy Systems and Applications

A significant barrier for the Global Scale Out NAS Market is the difficulty of integrating with legacy infrastructures still in use across industries like finance, manufacturing, education, and government. These older systems often utilize proprietary file systems and rigid hierarchies, making them incompatible with the flexible, distributed framework of scale-out solutions. Transitioning from monolithic storage to a modern architecture requires phased migration strategies, potential data conversions, and workflow redesigns, all of which can be costly, time-consuming, and resource-intensive. Organizations must invest in planning, specialized expertise, and potential third-party services to ensure a smooth and disruption-free migration process.

Key Market Trends

Edge Deployment of Scale Out NAS for Real-Time Data Processing

With the growth of edge computing, enterprises are increasingly deploying Scale Out NAS solutions at edge locations such as factories, smart cities, retail branches, and oil rigs. These environments generate substantial data volumes requiring immediate processing and localized storage before transmission to central or cloud-based systems. By enabling real-time data storage and analysis at the edge, scale out NAS solutions minimize latency and improve responsiveness. In response, vendors are introducing compact, rugged systems designed for challenging environments with minimal infrastructure. These modular, self-managing units support consistent performance across distributed sites and are crucial for enabling on-site analytics, decentralized decision-making, and enhanced autonomy in mission-critical operations. As edge computing evolves, the role of scale out NAS in supporting distributed data ecosystems is expected to grow significantly.

Key Market Players

IBM Corporation

Dell Technologies Inc.

NetApp, Inc.

Pure Storage, Inc.

Fujitsu Limited

Huawei Technologies Co., Ltd.

Quantum Corporation

Hewlett Packard Enterprise Company

Report Scope:

In this report, the Global Scale Out NAS Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Scale Out NAS Market, By Interface:

Fibre Channel

Ethernet

InfiniBand

Scale Out NAS Market, By Deployment:

On-premises

Cloud

Hybrid

Scale Out NAS Market, By Application:

High-Performance Computing

Big Data Analytics

Media and Entertainment

Cloud Computing

Others

Scale Out NAS Market, By Region:

North America

United States

Canada

Mexico

Europe

Germany

France

United Kingdom

Italy

Spain

Asia Pacific

China

India

Japan

South Korea

Australia

Middle East & Africa

Saudi Arabia

UAE

South Africa

South America

Brazil

Colombia

Argentina

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Scale Out NAS Market.

Available Customizations:

Global Scale Out NAS Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. SOLUTION OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, and Trends

4. VOICE OF CUSTOMER

5. GLOBAL SCALE OUT NAS MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Interface (Fibre Channel, Ethernet, InfiniBand)
 - 5.2.2. By Deployment (On-premises, Cloud, Hybrid)
 - 5.2.3. By Application (High-Performance Computing, Big Data Analytics, Media and Entertainment, Cloud Computing, Others)

5.2.4. By Region (North America, Europe, South America, Middle East & Africa, Asia Pacific)

5.3. By Company (2024)

5.4. Market Map

6. NORTH AMERICA SCALE OUT NAS MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Interface

6.2.2. By Deployment

6.2.3. By Application

6.2.4. By Country

6.3. North America: Country Analysis

6.3.1. United States Scale Out NAS Market Outlook

6.3.1.1. Market Size & Forecast

6.3.1.1.1. By Value

6.3.1.2. Market Share & Forecast

6.3.1.2.1. By Interface

6.3.1.2.2. By Deployment

6.3.1.2.3. By Application

6.3.2. Canada Scale Out NAS Market Outlook

6.3.2.1. Market Size & Forecast

6.3.2.1.1. By Value

6.3.2.2. Market Share & Forecast

6.3.2.2.1. By Interface

6.3.2.2.2. By Deployment

6.3.2.2.3. By Application

6.3.3. Mexico Scale Out NAS Market Outlook

6.3.3.1. Market Size & Forecast

6.3.3.1.1. By Value

6.3.3.2. Market Share & Forecast

6.3.3.2.1. By Interface

6.3.3.2.2. By Deployment

6.3.3.2.3. By Application

7. EUROPE SCALE OUT NAS MARKET OUTLOOK

- 7.1. Market Size & Forecast
 - 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Interface
 - 7.2.2. By Deployment
 - 7.2.3. By Application
 - 7.2.4. By Country
- 7.3. Europe: Country Analysis
 - 7.3.1. Germany Scale Out NAS Market Outlook
 - 7.3.1.1. Market Size & Forecast
 - 7.3.1.1.1. By Value
 - 7.3.1.2. Market Share & Forecast
 - 7.3.1.2.1. By Interface
 - 7.3.1.2.2. By Deployment
 - 7.3.1.2.3. By Application
 - 7.3.2. France Scale Out NAS Market Outlook
 - 7.3.2.1. Market Size & Forecast
 - 7.3.2.1.1. By Value
 - 7.3.2.2. Market Share & Forecast
 - 7.3.2.2.1. By Interface
 - 7.3.2.2.2. By Deployment
 - 7.3.2.2.3. By Application
 - 7.3.3. United Kingdom Scale Out NAS Market Outlook
 - 7.3.3.1. Market Size & Forecast
 - 7.3.3.1.1. By Value
 - 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Interface
 - 7.3.3.2.2. By Deployment
 - 7.3.3.2.3. By Application
 - 7.3.4. Italy Scale Out NAS Market Outlook
 - 7.3.4.1. Market Size & Forecast
 - 7.3.4.1.1. By Value
 - 7.3.4.2. Market Share & Forecast
 - 7.3.4.2.1. By Interface
 - 7.3.4.2.2. By Deployment
 - 7.3.4.2.3. By Application
 - 7.3.5. Spain Scale Out NAS Market Outlook
 - 7.3.5.1. Market Size & Forecast
 - 7.3.5.1.1. By Value

- 7.3.5.2. Market Share & Forecast
 - 7.3.5.2.1. By Interface
 - 7.3.5.2.2. By Deployment
 - 7.3.5.2.3. By Application

8. ASIA PACIFIC SCALE OUT NAS MARKET OUTLOOK

- 8.1. Market Size & Forecast
 - 8.1.1. By Value
- 8.2. Market Share & Forecast
 - 8.2.1. By Interface
 - 8.2.2. By Deployment
 - 8.2.3. By Application
 - 8.2.4. By Country
- 8.3. Asia Pacific: Country Analysis
 - 8.3.1. China Scale Out NAS Market Outlook
 - 8.3.1.1. Market Size & Forecast
 - 8.3.1.1.1. By Value
 - 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Interface
 - 8.3.1.2.2. By Deployment
 - 8.3.1.2.3. By Application
 - 8.3.2. India Scale Out NAS Market Outlook
 - 8.3.2.1. Market Size & Forecast
 - 8.3.2.1.1. By Value
 - 8.3.2.2. Market Share & Forecast
 - 8.3.2.2.1. By Interface
 - 8.3.2.2.2. By Deployment
 - 8.3.2.2.3. By Application
 - 8.3.3. Japan Scale Out NAS Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Interface
 - 8.3.3.2.2. By Deployment
 - 8.3.3.2.3. By Application
 - 8.3.4. South Korea Scale Out NAS Market Outlook
 - 8.3.4.1. Market Size & Forecast
 - 8.3.4.1.1. By Value

- 8.3.4.2. Market Share & Forecast
 - 8.3.4.2.1. By Interface
 - 8.3.4.2.2. By Deployment
 - 8.3.4.2.3. By Application
- 8.3.5. Australia Scale Out NAS Market Outlook
 - 8.3.5.1. Market Size & Forecast
 - 8.3.5.1.1. By Value
 - 8.3.5.2. Market Share & Forecast
 - 8.3.5.2.1. By Interface
 - 8.3.5.2.2. By Deployment
 - 8.3.5.2.3. By Application

9. MIDDLE EAST & AFRICA SCALE OUT NAS MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Interface
 - 9.2.2. By Deployment
 - 9.2.3. By Application
 - 9.2.4. By Country
- 9.3. Middle East & Africa: Country Analysis
 - 9.3.1. Saudi Arabia Scale Out NAS Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
 - 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Interface
 - 9.3.1.2.2. By Deployment
 - 9.3.1.2.3. By Application
 - 9.3.2. UAE Scale Out NAS Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Interface
 - 9.3.2.2.2. By Deployment
 - 9.3.2.2.3. By Application
 - 9.3.3. South Africa Scale Out NAS Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Value

9.3.3.2. Market Share & Forecast

9.3.3.2.1. By Interface

9.3.3.2.2. By Deployment

9.3.3.2.3. By Application

10. SOUTH AMERICA SCALE OUT NAS MARKET OUTLOOK

10.1. Market Size & Forecast

10.1.1. By Value

10.2. Market Share & Forecast

10.2.1. By Interface

10.2.2. By Deployment

10.2.3. By Application

10.2.4. By Country

10.3. South America: Country Analysis

10.3.1. Brazil Scale Out NAS Market Outlook

10.3.1.1. Market Size & Forecast

10.3.1.1.1. By Value

10.3.1.2. Market Share & Forecast

10.3.1.2.1. By Interface

10.3.1.2.2. By Deployment

10.3.1.2.3. By Application

10.3.2. Colombia Scale Out NAS Market Outlook

10.3.2.1. Market Size & Forecast

10.3.2.1.1. By Value

10.3.2.2. Market Share & Forecast

10.3.2.2.1. By Interface

10.3.2.2.2. By Deployment

10.3.2.2.3. By Application

10.3.3. Argentina Scale Out NAS Market Outlook

10.3.3.1. Market Size & Forecast

10.3.3.1.1. By Value

10.3.3.2. Market Share & Forecast

10.3.3.2.1. By Interface

10.3.3.2.2. By Deployment

10.3.3.2.3. By Application

11. MARKET DYNAMICS

- 11.1. Drivers
- 11.2. Challenges

12. MARKET TRENDS AND DEVELOPMENTS

- 12.1. Merger & Acquisition (If Any)
- 12.2. Product Launches (If Any)
- 12.3. Recent Developments

13. COMPANY PROFILES

- 13.1. IBM Corporation
 - 13.1.1. Business Overview
 - 13.1.2. Key Revenue and Financials
 - 13.1.3. Recent Developments
 - 13.1.4. Key Personnel
 - 13.1.5. Key Product/Services Offered
- 13.2. Dell Technologies Inc.
- 13.3. NetApp, Inc.
- 13.4. Pure Storage, Inc.
- 13.5. Fujitsu Limited
- 13.6. Huawei Technologies Co., Ltd.
- 13.7. Quantum Corporation
- 13.8. Hewlett Packard Enterprise Company

14. STRATEGIC RECOMMENDATIONS

15. ABOUT US & DISCLAIMER

I would like to order

Product name: Scale Out NAS Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, By Interface (Fibre Channel, Ethernet, InfiniBand), By Deployment (On-premises, Cloud, Hybrid), By Application (High-Performance Computing, Big Data Analytics, Media and Entertainment, Cloud Computing, Others), By Region 7 Competition, 2020-2030F

Product link: <https://marketpublishers.com/r/S900A2933EC0EN.html>

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S900A2933EC0EN.html>