

Global DDI Market Size Study & Forecast, by Deployment (Cloud and On-premise), IP Version (IPv4 and IPv6), Enterprise Type (SMEs and Large Enterprise), Industry (IT & Telecom, BFSI, Government, Healthcare, Manufacturing, Retail, and Others) and Regional Forecasts 2025-2035

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Abstracts

The Global DDI (DNS, DHCP, and IPAM) Market is valued at approximately USD 1.03 billion in 2024 and is projected to expand at a striking CAGR of 11.3% during the forecast period of 2025-2035. DDI solutions, serving as the backbone of modern IP-based networks, play an indispensable role in unifying and automating core network services that ensure reliable connectivity, operational efficiency, and security across enterprises. As organizations accelerate their digital transformation journeys and pivot to cloud-first strategies, the demand for robust DDI platforms has surged to unprecedented levels. The exponential rise in connected devices, the expanding IoT ecosystem, and enterprises' pressing need to centralize and automate network operations have further intensified adoption. Moreover, the growing emphasis on safeguarding IT infrastructure from evolving cyber threats has propelled DDI into a strategic priority for enterprises across diverse sectors.

The upsurge in digital transformation programs across industries has ignited a significant demand for cloud-based DDI solutions. Businesses are increasingly migrating critical workloads into hybrid and multi-cloud ecosystems, which requires highly scalable, automated, and resilient DDI frameworks. According to industry reports, enterprises are allocating greater portions of their IT budgets toward cloud-native networking technologies and integrated DDI platforms to minimize downtime, improve service agility, and enhance overall operational resilience. At the same time, the

proliferation of IPv6 adoption, coupled with the rapid expansion of global IP address allocations, has further underlined the relevance of advanced DDI tools. However, despite this promising trajectory, high implementation costs and the complexity of transitioning legacy infrastructure remain barriers that could slow market penetration in cost-sensitive environments.

The detailed segments and sub-segments included in the report are:

By Deployment:

Cloud

On-premise

By IP Version:

Pv4

Pv6

By Enterprise Type:

SMEs

Large Enterprise

By Industry:

T & Telecom

BFSI

Government

Healthcare

Manufacturing

Retail

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Cloud-based deployment is expected to dominate the market. The cloud segment is anticipated to capture the lion's share, commanding nearly two-thirds of the market during the forecast period. This dominance is largely attributed to enterprises' growing reliance on SaaS and cloud-native networking frameworks, which demand scalable, flexible, and automated DDI solutions. Cloud deployment models are preferred not only for their cost efficiency but also for their ability to integrate seamlessly with hybrid IT environments and ensure robust continuity. On-premise, while declining in relative share, continues to remain relevant for organizations dealing with stringent compliance, data sovereignty, and security-sensitive use cases, making it a stable secondary contributor.

IPv6-based DDI solutions lead in revenue contribution. As enterprises face mounting pressure to transition from IPv4 exhaustion to IPv6 enablement, the adoption of IPv6-driven DDI platforms has accelerated significantly. This segment generates the highest revenue due to its capability to handle the explosive growth in connected devices and IoT networks. While IPv4 continues to hold widespread legacy coverage, IPv6 adoption is progressing at an unprecedented pace, especially across mobile and cloud-driven industries. IPv6-centric DDI solutions are not only enhancing network

scalability but are also unlocking new possibilities in automation and security, making them a focal point of revenue growth across the market.

The key regions analyzed for the Global DDI Market include North America, Europe, Asia Pacific, Latin America, and the Middle East & Africa. North America dominated the market in 2024, holding the largest market share, driven by its highly advanced IT infrastructure, the concentration of global technology giants, and a rapid shift toward cloud-first enterprise strategies. The U.S., in particular, has been at the forefront of large-scale IPv6 transitions and enterprise adoption of DDI tools, underscoring its leadership position. Meanwhile, Asia Pacific is projected to be the fastest-growing region during the forecast period. The combination of booming digital economies, surging enterprise IT spending in China and India, and ambitious government-backed digital initiatives has catalyzed the demand for sophisticated DDI platforms. Additionally, Europe continues to display robust demand, led by regulatory-driven network modernization, while the Middle East and Latin America are steadily expanding their footprints in response to digital infrastructure development and enterprise mobility trends.

Major market players included in this report are:

nfoblox Inc.

BlueCat Networks

EfficientIP

BT Group plc

Cisco Systems, Inc.

Nokia Corporation

Hewlett Packard Enterprise Development LP

Men & Mice

ApplianSys Ltd.

TCPWave Inc.

F5, Inc.

Microsoft Corporation

Amazon Web Services, Inc.

Cloudflare, Inc.

Oracle Corporation

Global DDI Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period - 2025-2035

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent to up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained above.

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of the geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of the competitive structure of the market.

Demand side and supply side analysis of the market.

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