

Global Network Emulator Market Size study, by Application Type (SD-WAN, Cloud, IoT, Others), by Vertical (Telecommunication, Banking, Financial Services and Insurance, Government and Defense, Others) and Regional Analysis, 2022-2029

<https://marketpublishers.com/r/GC9A9794EDCBEN.html>

Date: February 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GC9A9794EDCBEN

Abstracts

Global Network Emulator Market is valued at approximately USD 171.78 million in 2021 and is anticipated to grow with a healthy growth rate of more than 8.1% over the forecast period 2022-2029. Network emulation is a method for testing an application's real-time performance across a virtual network. It differs from network simulation, which only uses mathematical representations of network models, traffic, channels, and protocols. It is mostly used by service providers, programmers, and producers to assess the robustness of the network application or product. Impairments, routing, modifiers, and filtering are the core features of network emulators. . The market growth is primarily driven by the factors such as the rise of attacks and security breaches on networks, the increasing adoption of SD-WAN technology solutions, and the growing need for reduced downtime in networking.

The surge in the adoption of internet connected devices is acting as a key factor that is stipulating the market demand across the world.

According to Safe At Last Inc.- a non-profit organization , the number of Internet of Things (IoT)-connected devices is anticipated to reach 75 billion globally by 2025, a fivefold increase from 2015. (15.41 billion).Thus, the rapid proliferation of internet connected devices is anticipated to play a pivotal role in the growth prospects of the market. Moreover, rising demand for virtualization and software-defined networking, along with R&D investments and successful results from the testing phase of 5G networks, are the main factors projected to provide profitable growth opportunities for the market in the forthcoming years. However, longer timelines and extended R&D

requirements for new networking technologies, price sensitivity of network testing and emulator are the few factors anticipated to restrain the growth of Network Emulator market during the forecast period.

The key regions considered for the Global Network Emulator Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading region across the world in terms of market share owing to the increasing research and development investment for advanced technologies by governments and organizations along with the growth of BFSI and the retail sector in the region. However, Asia-Pacific is anticipated to exhibit the highest CAGR over the forecast period 2022-2029. Factors such as the increasing adoption of IoT devices and machine-to-machine connections have boosted the demand for networks thereby, accelerating the need for network emulators across the Asia-Pacific region.

Major market player included in this report are:

Spirent Communications

Keysight Technologies

Apposite Technologies

iTrinegy

Polaris Networks

PacketStorm

Aukua Systems, Inc.

Calnex Solutions

SolarWinds Corporation

InterWorking Labs

Recent Developments in the Market:

In January 2020, Keysight Technologies, Inc. announced the launch of a 5G channel emulation PROPSIM FS16 that allows chipset and device makers to verify the deployment of MIMO and massive MIMO in any 5G new radio (NR) frequency band. Also, PROPSIM FS16 enables users to assess the performance of 5G new radio (NR) devices with support for ultra-wide bandwidths in mmWave frequency spectrum, beamforming technology, and multiple-antenna setups.

Global Network Emulator Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape,

Growth factors, and Trends

Segments Covered Application Type, Vertical, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's 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 to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application Type:

SD-WAN

Cloud

IoT

Others

By Vertical:

Telecommunication

Banking, Financial Services and Insurance

Government and Defense

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
RoLA
Rest of the World

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