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Global Virtual Extensible LAN (VXLAN) Market Size study, by Offering (Hardware, Software, Services), by Application (Multi-Tenancy, Workload Mobility, Software-Defined Networking (SDN) Overlays, Network Function Virtualization (NFV), Others), by End User (Manufacturing, Healthcare, BFSI, Retail, Media and Entertainment, Government, IT & ITeS, Telecommunications, Others) and Regional Forecasts 2022-2032

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Abstracts

Global Virtual Extensible LAN (VXLAN) Market is valued approximately USD 1.57 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 15.21% over the forecast period 2024-2032. VXLAN is a network virtualization technology that enables the creation of scalable and flexible network architectures, which is essential for supporting the burgeoning needs of IoT initiatives and edge computing infrastructure. This technology facilitates the addition of new devices and services without disrupting existing network operations, thereby offering a seamless solution for dynamic network environments.

The Global Virtual Extensible LAN (VXLAN) Market is primarily driven by the increasing need for secure multi-tenancy in cloud data centers, which ensures the isolation of multiple tenants within the same physical infrastructure. This is crucial for maintaining data security and privacy in cloud environments. Moreover, the emergence of 5G networks presents significant growth opportunities for VXLAN vendors. 5G's high-speed connectivity and low latency requirements necessitate advanced network solutions such as VXLAN to efficiently manage and scale network resources. However, the market faces challenges such as complexity and high deployment costs, which can hinder the

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widespread adoption of VXLAN technology.

The key regions considered for the Global Virtual Extensible LAN (VXLAN) Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America is poised to experience robust growth, fueled by the rapid adoption of cloud computing, the expansion of data centers, and the increasing demand for scalable and flexible network solutions. Major cloud service providers such as Amazon Web Services (AWS), Microsoft Azure, and Google Cloud are continuously expanding their infrastructure, necessitating advanced network virtualization technologies such as VXLAN to manage complex, multi-tenant environments efficiently. Additionally, the rise of IoT deployments across various sectors, including healthcare, manufacturing, and smart cities, requires robust network segmentation and scalability, which VXLAN effectively provides. This growth is further supported by technological advancements in network hardware and software, making VXLAN deployment more practical and efficient for large-scale implementations. Furthermore, the market in Asia Pacific is anticipated to develop at the fastest rate over the forecast period 2024-2032.

Key market players included in this report are:
Accenture plc
Arista Networks
Extreme Networks Inc.
Fortinet Inc.
Hewlett Packard Enterprise (HPE)
Huawei Technologies Co., Ltd.
Nokia Corporation
Palo Alto Networks, Inc.
Deutsche Telekom AG
Sitaonair

The detailed segments and sub-segment of the market are explained below:
By Offering:
• Hardware
• Software
• Services

By Application:
• Multi-Tenancy
• Workload Mobility
• Software-Defined Networking (SDN) Overlays
• Network Function Virtualization (NFV)
• Others

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By End User:
• Manufacturing
• Healthcare
• BFSI
• Retail
• Media and Entertainment
• Government
• IT & ITeS
• Telecommunications
• 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
Middle East & Africa
• Saudi Arabia
• South Africa
• RoMEA
Years considered for the study are as follows:
• Historical year – 2022
• Base year – 2023

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• Forecast period – 2024 to 2032

Key Takeaways:

• Market Estimates & Forecast for 10 years from 2022 to 2032.
• Annualized revenues and regional level analysis for each market segment.
• Detailed analysis of 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 competitive structure of the market.
• Demand side and supply side analysis of the market

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