

Global Linux Operating System Market Size Study & Forecast, by Distribution (Virtual Machines, Servers, Desktops), by End-use (Commercial/Enterprise, Individual), and Regional Analysis, 2023-2030

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Abstracts

Global Linux Operating System Market is valued at approximately USD 15.52 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 20.1% over the forecast period 2023-2030. The Linux operating system is a free and open-source operating system that is installed on a variety of devices, including desktop computers, mobile phones, tablets, supercomputers, and gaming consoles. Linux is open-source software that is available to everyone for free compared to patent operating systems that demand a license charge, such as Windows OS and Mac OS. There are several different versions or distributions of Linux available for desktop PCs. Accordingly, this has led to a large and active community of developers who contribute to the development of Linux. The global market growth is expanding because of factors such as the growing penetration of Linux in smartphone and mobile devices, increasing demand for open-source software, coupled with the rising cost of Windows licenses.

In addition, the increasing adoption of cloud computing is acting as a catalyzing factor for market growth across the globe. Cloud computing is gaining high popularity globally, which significantly results in the high demand for Linux for cloud computing platforms because it is a reliable and secure operating system, and it is also very scalable. For instance, according to the IEEE ComSoc, in 2021, the global public spending on cloud computing has reached USD 332.3 billion with a rise of nearly 23.1 % from USD 270 billion in 2020. Also, the market has grown as a result of an increase in the use of OS-based hybrid cloud platforms with greater security, improved server reliability, and density. The Linux operating system for the cloud was primarily created for hosting users. Users are helped to remain distinct in a different Lightweight Virtualized

Environment (LVE) via this cloud-based operating system. It allows users to set up categories, limitations, and secure allocations of server resources. A cloud-based operating system helps protect users' databases and websites against malicious programmes and online assaults. Furthermore, the rapid proliferation of the Internet of Things (IoT) and embedded systems, as well as the increase in advancement of technology present various lucrative opportunities over the forecast years. However, the intense competition from windows and limited adoption of linux are hampering the market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Linux Operating System Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the rise in cloud and data center deployment, along with the growing cloud investments by the companies. Additionally, the regional market growth is primarily driven by the rising use of the Internet of Things (IoT) and cloud computing in countries such as the United States and Canada. Whereas, Asia Pacific is expected to grow at the highest CAGR over the forecast years.

The growing trend of cloud computing and virtualization, as well as the rising adoption of advanced technologies such as the internet of things and android smartphones with Linux-based operating systems are significantly propelling the market demand across the region.

Major market players included in this report are:

Amazon Web Services, Inc. (U.S.)

Canonical Ltd. (U.K.)

International Business Machines Corporation (U.S.)

Oracle Corporation (U.S.)

ClearCenter (U.S.)

Linux Mint (Ireland)

Elementary, Inc. (U.S.)

Slackware Linux Project (U.S.)

MontaVista Software, LLC (U.S.)

SUSE Group (Germany)

Recent Developments in the Market:

In February 2022, Slackware Linux Project launched Slackware version 15.0 for desktops. A new user interface, updated programmes help in improving the stability and performance of this version.

In December 2022, Siemens AG announced the launch of the customizable Linux Sokol Flex OS for RISC-V architecture. Through integrated security, the new technology assists clients in identifying and monitoring risks.

Global Linux Operating System Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

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

Segments Covered - Distribution, End-use, Region

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

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 Distribution:

Virtual Machines

Servers

Desktops

By End-use:

Commercial/Enterprise

Individual

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

Saudi Arabia

South Africa

Rest of Middle East & Africa

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