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# Internet of Things (IoT) Operating Systems Market by Component Type (Client Side, Server Side, and Professional Services), User Type (Large Enterprises and SMES), Application Area, and Region - Global Forecast to 2022

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## Abstracts

The increasing traction for emergence of cloud computing, mobility technology, and growing need for data consistency in the enterprises are driving the IoT (Internet of Things) operating systems market

The IoT operating systems market is expected to grow from USD 289.2 million in 2017 to USD 1,721.3 million by 2022, at a Compound Annual Growth Rate (CAGR) of 42.9%. With the increasing rate of portable device adoption, the demand for cloud computing and mobility technology in the operating systems industry has become a crucial factor impacting the IoT operating systems market. The mobility is driven by cloud computing technology, making mobile devices a vital business platform. In addition, a unified operating systems throughout the enterprise could dynamically manage volatile data replication issues. The continuous exposure to software licensing, Internet Protocol (IP) violation, increasing risk for private data, and lack of consistency among standards for interconnectivity and interoperability are some of the challenges for the growth of the market.

Professional services to gain maximum traction during the forecast period

Professional services are used during and after the implementation of IoT operating systems. It also provides timely access to skilled resources, and program and project management capabilities for heterogeneous quality standards across numerous locations. These services include consulting, deployment and integration, and

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maintenance and support. With the growing implementation of IoT infrastructure, the need to efficiently deploy and integrate IoT devices in-line with business functions is also growing, hence fueling the need for professional services in the IoT operating systems market.

Smart building and home automation is expected to witness the highest growth during the forecast period

The smart building and home automation application is readily available in the market today; moreover, equipment manufacturers are also ready to add value to IoT. Automated processes make use of real-time IoT information from users, systems, and devices, to optimize resource efficiency, reduce costs and risks, and improve the visibility of operations. Along with the ease of access and utility, IoT also ensures the safety and security aspect of the home.

North America is projected to have the largest market size during the forecast period

North America comprises the US and Canada, which are witnessing a phenomenal adoption of IoT operating systems. North America has adopted Real-Time Operating System (RTOS) as a common virtualization platform, on which, they integrate the software complexity and reduce the number of Electronic Control Units (ECUs). The RTOS will also give North American embedded systems manufacturers a competitive edge in the world of IoT, by enabling them to integrate IoT operating systems with leading smart devices, while reducing risks and development, and maintenance costs. Furthermore, this region is witnessing a strong adoption of smart applications, such as smart building and home automation, smart utilities, and smart healthcare, and use cases related to the same, which leverage the use of IoT operating systems in their devices.

In the process of determining and verifying the market size for the segments and subsegments gathered through the secondary research, extensive primary interviews were conducted with key people. The break-up of profile of primary participants is as follows:

By Company: Tier 1 – 30 %, Tier 2 – 40%, and Tier 3 – 30%

By Designation: C-level – 72%, Director level – 14%, and Others – 14%

By Region: North America – 57%, Europe – 14%, and Asia Pacific (APAC) –

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29%

The IoT operating systems market comprises major vendors, such as Google Inc. (California, US), Apple Inc. (California, US), ESOL Co. Ltd (Tokyo, Japan), BlackBerry Limited (Ontario, Canada), ARM Ltd (Cambridge, UK), Wittenstein (Igersheim, Germany), ENEA AB (Kista, Sweden), Mentor Graphics Corporation (Oregon, US), Green Hills Software (California, US), SYSGO AG (Klein- Winternheim, Germany), Microsoft Corporation (Washington, US), Wind River (California, US), Kaspersky Lab (Moscow, Russia), and Canonical Ltd (London, UK).

Research Coverage

The report includes, in-depth competitive analysis of key players in the IoT operating systems market, with their profiles, recent developments, products offerings, and key business strategies. The research report segments the IoT operating systems market by component, professional service, user type, application area, and region.

Reasons to Buy the Report:

The IoT operating systems market has been segmented on the basis of components, professional services, user types, application areas, and regions. The report will help the market leaders/new entrants in this market in the following ways:

1. This report segments the overall IoT operating systems market on the basis of the revenues generated by major vendors in the IoT operating systems market. The report provides the closest approximations of the revenue numbers for the overall market and the subsegment. The market numbers are further split into regions.
2. The report helps stakeholders understand the pulse of the IoT operating systems market and provides them information on key market drivers, restraints, challenges, and opportunities.
3. This report will help the stakeholders to better understand competitors and gain more insights to better their positions in the market.

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