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OpenStack Services - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

The OpenStack Services Market size is estimated at USD 30.11 billion in 2025, and is expected to reach USD 120.72 billion by 2030, at a CAGR of 32.01% during the forecast period (2025-2030).

The growing adoption of the pay-as-you-go model and the cost-effective IT infrastructure development in a virtual environment (where every workload is taken care of by the cloud vendors) are certain factors expected to drive market growth for OpenStack services globally.

Key Highlights
- Enterprises across the world are inclined towards the adoption of cloud services. Oracle Corporation, the cloud giant, has predicted that owing to the cloud-related service offerings, 80% of the enterprise business functions will move to the cloud by 2025. In recent years, cloud service providers have experienced huge revenues and profit gains due to their professional and other cloud services. Microsoft, one of the fastest-growing cloud service providers, registered a year-on-year growth of 31% in Azure and other cloud services in 2022.
- The growth of cloud and industrialized services and the decline of traditional data center outsourcing (DCO) indicate a massive shift toward hybrid cloud infrastructure services. This is expected to drive the shift toward cloud IaaS and hosting. Owing to its benefits, professional cloud deployment is expected to experience an improved demand for these market segments.
- Infrastructure-as-a-Service (IaaS) is considered the third (lowest) level in the spectrum of cloud services, where a vendor provides clients with solutions such as pay-as-you-go access to storage, servers, networking, and other computing resources in the cloud. IaaS hardware is usually offered and managed by the organization by an external provider.
- Moroever , October 2023 - Ironic has announced the launch of infrastructure operators to modify existing nodes using the "service steps" framework. Servicing allows operators to leverage steps, like you would for cleaning or customized deployments,

to perform actions to modify deployed nodes in an ACTIVE state.
- OpenStack is a dynamic and open cloud-computing solution that needs to be upgraded regularly. The new functions & features are added regularly, and other old functions are removed. This high-dynamic range of functions may create challenges for market growth.

OpenStack Services Market Trends

Increasing use of OpenStack Services Across Telecommunication Sector is Driving the Market

- The telecom industry has observed extensive growth during the past few years. Telecommunication companies are encountering constant pressure to deliver innovative services at lower costs to retain their customers in the competitive market. It allows telecom companies to deply and manage their cloud infrastructure without the high costs associated with proprietary solutions.
- OpenStack is an open source system that allows private and public clouds to be built and managed through a pooling of virtual resources. The core clouds computing services, such as compute, networking, storage, identities and images are handled by tools that comprise the OpenStack platform 'projects'. This capability is crucial for telecom operators looking to enhance their service offerings and operational efficiency.
- As a base of choice for operators, OpenStack has been chosen as their Network Function Virtualization NFV. NFV with OpenStack has been chosen by a wide range of telecom operators and business leaders. AT&T, Bloomberg LP., China Mobile, Deutsche Telekom, Nippon Telegraph & Telephone Corporation, SK Telecom and Verizon are among them.
- Moreover, OpenStack, including workloads such as 5G, has been used to power the biggest mobile telecommunications network. The mobile network of China Mobile has over 3 million base stations and 800 million subscribers an With over 50,000 servers, the largest Network of NFV today is built by China Mobile using OpenStack.

Asia-Pacific is Expected to Hold Significant Growth

- The majority of hyperscale cloud and telecom organizations in China are taking charge of adopting OpenStack services across the Asia Pacific region. Citing the use of OpenStack by companies such as Tencent and China Mobile, the OSF said these companies play a critical role in the rapidly growing OpenStack market in Asia-Pacific.
- Tencent, the company behind the WeChat super app and hyperscale cloud supplier, has been using OpenStack to power its operations and public cloud services that are being used by different industries. Also, at China Mobile, OpenStack is being used to deliver public and private cloud services and its telecom cloud to power its next-generation telco network.
- Users throughout the region are combining OpenStack and Kubernetes to solve big open infrastructure problems. They're increasingly leveraging projects like Airship and StarlingX, using open, composable infrastructure to meet the demands of applications operating in the region.
- China, which is expected to account for almost half of the world's OpenStack deployments, has the third-highest number of members in the OSF, an organization comprising users and contributors to the open infrastructure projects piloted and hosted by the organization. China Mobile has created an automated testing platform dubbed AUTO with OpenStack as one of its primary cloud deployment technologies. With an emphasis on scalability and performance, AUTO extensively utilized the OpenStack SDK and pre-existing testing tools to evaluate and confirm the cloud deployment.
- Multiple Chinese companies contribute upstream to the StarlingX project, including 99cloud, China UnionPay, and FiberHome. For instance, the Electronic Commerce and Electronic Payment National Engineering Laboratory of China UnionPay has researched a secured edge infrastructure powered by StarlingX for a contactless payment use case; with the evolution of 5G, technologies

such as Multi-Access Edge Computing (MEC), Media Cloud.
- Artificial Intelligence (AI) has strongly emerged along with rapid growth in 5G network infrastructure. The infrastructure itself must evolve as a cloud-native service to fully support the development. Korea-based SK Telecom has been developing cloud-native infrastructure technology for the past few years and actively participates in global projects both in OpenStack Foundation (OSF), especially the Airship project in OSF.

OpenStack Services Industry Overview

The OpenStack Services Market is semi-consolidated due to the presence of significant players such as Cisco Systems, Inc., Red Hat, Inc., Hewlett Packard Enterprise Development LP, Mirantis, Inc., etc. The players in the market are frequently launching innovative solutions, forming partnerships, and mergers to increase their market share and expand their geographical presence.

In June 203, Nokia and Red Hat, Inc., one of the leading global providers of open-source solutions, announced that they had agreed to tightly integrate Nokia's core network applications with Red Hat Openstack Platform and Red Hat OpenShift. As part of the agreement, Nokia and Red Hat would jointly support and evolve existing Nokia Container Services (NCS) and Nokia CloudBand Infrastructure Software (CBIS) customers while developing a path to migrate to Red Hat's platforms over time. Additionally, Nokia would leverage Red Hat's infrastructure platforms to enable faster development and testing of Nokia's extensive core network portfolio.

In October 2022, RedHat announced the launch of OpenStack Platform 17 at the MWC Las Vegas event, covering a wide range of improvements with a focus on open hybrid cloud architectures that are meant to aid service providers as they construct expansive next-generation networks.

In June 2022, Ericsson and Red Hat announced the partnership to deploy solutions, empowering service providers with an open platform that extended across a network for vEPC, 5G Core, IMS, OSS, and BSS. The team integrated Ericsson's network function solutions with Red Hat OpenShift and Red Hat OpenStack Platform.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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