

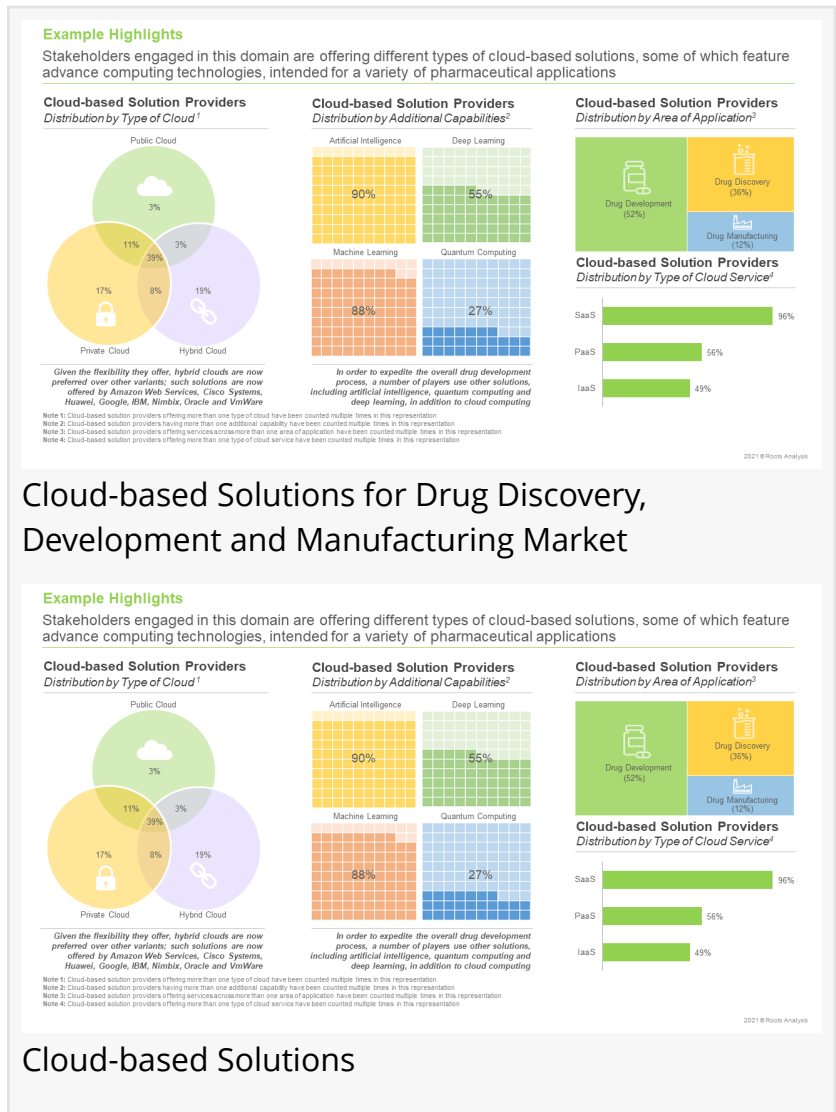
The cloud-based solutions for drug discovery, development and manufacturing market By Roots Analysis

Roots Analysis has announced the addition of "Cloud-based Solutions for Drug Discovery, Development and Manufacturing Market."

AMBOY, CALIFORNIA, UNITED STATES, July 9, 2021 /EINPresswire.com/ -- The growing complexities surrounding modern therapy development initiatives have caused biopharmaceutical companies to adopt available [cloud-based solutions](#), to not only expedite associated timelines, but also cuts down overall cost

[Roots Analysis](#) has announced the addition of "[Cloud-based Solutions](#) for Drug Discovery, Development and Manufacturing Market by Type of Cloud (Private, Public and Hybrid), Type of Service (Infrastructure as a Service (IaaS), Platform as a Service (PaaS) and Software as a Service (SaaS)), End-User (Biotech Vendors, Contract Research Organizations, Pharmaceutical Companies and Others), and Key Geographical Regions (North America, Europe, Asia, Middle East and North Africa, Latin America, and Rest of the World): Industry Trends and Global Forecasts, 2021-2030" report to its list of offerings.

Modern cloud-based solutions offer decentralized / real world data management, and collaborative operating solutions to users, enabling the simplification and delegation of various aspects of data mining, analysis and healthcare decision-making. The implementation of relevant



cloud-based solutions is deemed to possess the potential to save over 50% of the total cost and time invested in a drug development program.

To order this 225+ page report, which features 110+ figures and 130+ tables, please visit <https://www.rootsanalysis.com/reports/cloud-based-solutions-in-healthcare-market.html>

Key Market Insights

More than 60 cloud-based service providers are presently offering cloud-based solutions to pharma / biotech companies. Majority of these are large firms (500+ employees, 44%), followed by small (1-50 employees, 32%), and mid-sized (51-500 employees, 24%) business entities.

Over 50 service providers claim to offer cloud-based solutions for drug development. About 50% players are providing cloud services for more than one area of application (drug discovery, drug development, or drug manufacturing) to pharma / biotech companies.

Nearly 30 service providers claim to offer private cloud-based solutions to ensure data security. Interestingly, about 25% players are offering all three types of cloud-based solutions (private, public and hybrid) to developer companies. Prominent examples of companies offering hybrid cloud include (in alphabetical order with no selection criteria) Informatica, Nutanix, QMENTA, Rescale, SureClinical, Tata Consultancy Services and YASH Technologies.

Partnership activity in this field has grown at a CAGR of ~75%, between 2015 and 2020. Around 70% of the reported deals were established after 2018, with the maximum activity being reported in 2020. Majority of the instances captured in the report are research agreements (32%) and platform development / improvement agreements (26%).

Example Highlights
 Several companies presently claim to offer cloud-based solutions for drug discovery, development and manufacturing, the level of innovation is evident from recent advances in the intellectual capital

List of Cloud-based Solution Providers

S.No.	Company Name	YoE	HQ	Type of Cloud			Type of Cloud Service			Area of Application			Additional Technologies	COVID-19 Initiatives
				Public	Private	Hybrid	IaaS	PaaS	SaaS	Discovery	Development	Manufacturing		
2	Alibaba Cloud	2009	China	✓	✓	✓	✓	✓	✓	✓	✓	✓	AI, DL, ML, QC	✓
7	AWS	2006	USA	✓	✓	✓	✓	✓	✓	✓	✓	✓	AI, DL, ML, QC	✓
10	SAP	1972	Germany	✓	✓	✓	✓	✓	✓	✓	✓	✓	AI, QC, ML	✓
14	Accenture	1989	Ireland	✓	✓	✓	✓	✓	✓	✓	✓	✓		
18	CloudSigma	2009	Switzerland	✓	✓	✓	✓	✓	✓	✓	✓	✓		
24	Microsoft	1981	USA	✓	✓	✓	✓	✓	✓	✓	✓	✓		
29	Infosys	1981	India	✓	✓	✓	✓	✓	✓	✓	✓	✓		
33	Informatica	2005	USA	✓	✓	✓	✓	✓	✓	✓	✓	✓		
39	CAPTARIO	2012	UK	✓	✓	✓	✓	✓	✓	✓	✓	✓		
44	IQVIA	2016	USA	✓	✓	✓	✓	✓	✓	✓	✓	✓		
58	ChemAxon	1988	USA	✓	✓	✓	✓	✓	✓	✓	✓	✓		
62	DXC Technology	2017	USA	✓	✓	✓	✓	✓	✓	✓	✓	✓		

Distribution by Area of Application and Additional Technology

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Adoption of cloud-based solutions has demonstrated the ability to enable up to 50% cost savings

Based on inputs from both secondary and primary sources, the report features an informed and insightful analysis, estimating cost saving potential of cloud-based solutions. In fact, the adoption of such technologies has the potential to save more than USD 30 billion in drug discovery, USD 13 billion in drug development and USD 6.6 billion in drug manufacturing related costs, by 2030.

North America, Europe and Asia are anticipated to capture over 85% of the market share by 2030

Owing to increased adoption rates, the market in Asia is anticipated to grow at a relatively faster pace at a CAGR of 16%. In 2030, cloud-based solutions for drug development are likely to capture the largest market share (45%) in terms of revenues generated from use of such services, followed by those intended for drug discovery (35%) and drug development (20%) operations.

To request a sample copy / brochure of this report, please visit this

<https://www.rootsanalysis.com/reports/cloud-based-solutions-in-healthcare-market/request-sample.html>

Key Questions Answered

□ Who are the leading players offering cloud-based solutions for drug discovery, development and manufacturing?

□ What kind of cloud services are commonly offered by companies in this domain?

□ What kind of partnership models are commonly adopted by stakeholders in this industry?

□ What is the likely cost saving potential associated with the use of cloud-based solutions in drug discovery, development and manufacturing processes?

□ How is the current and future opportunity likely to be distributed across key market segments?

□ What kind of performance enhancements are possible by integrating artificial intelligence, deep learning, machine learning and quantum computing, with existing cloud-based solutions?

□ What is the impact of the COVID-19 pandemic within this market?

The USD 20 billion (by 2030) financial opportunity within the cloud-based solutions for drug discovery, drug development and drug manufacturing market has been analyzed across the following segments:

□ Type of Cloud

□ Private

□ Public

□ Hybrid

□ Type of Cloud Service

□ IaaS

□ PaaS

- SaaS

- Area of Application

- Drug Discovery

- Drug Development

- Drug Manufacturing

- End-User

- Biotech Vendor

- Contract Research Organizations

- Pharmaceutical Companies

- Others

- Key Geographical Regions

- North America

- Europe

- Asia-Pacific

- Middle East and North Africa

- Latin America

- Rest of the World

The report features inputs from eminent industry stakeholders, according to whom, cloud-based solutions are anticipated to witness increased adoption given their broad scope of applications in drug discovery, development and manufacturing. The report includes detailed transcripts of the discussions held with following industry experts:

- Melizar Natovski (Regional Manager North and South America, CloudSigma)

- Baolo Colombo (Vice President Growth, InSilicoTrials)

The research includes brief profiles of key players engaged in offering cloud-based solutions for drug discovery, development and manufacturing; other popular industry players featured in the report include:

- Accenture

- Alibaba Cloud

- Amazon Web Services

- ChemAxon

- CloudSigma

- Google

- IBM

- Nimble

- OpenEye Scientific

- Oracle

- Skyland Analytics

- Veeva Systems

☒talPi

☒Prime

For additional details, please visit

<https://www.rootsanalysis.com/reports/cloud-based-solutions-in-healthcare-market.html>

You may also be interested in the following titles:

1. Digital Solutions for Biomarkers Market, 2021-2030
2. AI-based Drug Discovery Market: Focus on Deep Learning and Machine Learning, 2020-2030
3. In Silico / Computer-Aided Drug Discovery Services Market, 2020-2030

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