Cloud Computing Study 2023

Insight into organizations’ cloud strategy plans, business drivers, and investments.
Purpose and methodology

Survey goal
To measure cloud computing trends among technology decision-makers including usage and plans across multiple cloud services, investments, business drivers and shifting services and applications to the cloud.

Total respondents 893

Collection method
Online questionnaire

Number of questions 29

Average company size 13,061 employees

Region
North America 44%
APAC 40%
EMEA 15%

IT leadership
All survey respondents are involved in the purchase process for cloud computing and their organization has, or plans to have, at least one application, or a portion of their infrastructure, in the cloud.

Audience base
CIO, Computerworld, CSO, InfoWorld and Network World email invitations to audience base.

Top represented industries

- Technology: 17%
- Manufacturing: 14%
- Services: 9%
- Education: 9%
- Healthcare: 8%
- Government/non-profit: 7%
- Telecommunications: 6%
- Retail, wholesale, distribution: 6%

Job titles

- Exec. IT
- IT mgmt.
- IT pro
- Business mgmt.
- Other
Majority of IT environments in the cloud

Question: Which statement below best describes your organization’s total IT environment (infrastructure, applications, data analytics, etc.) today? 18 months from now?

Today

- In the cloud: 52%
- On-premise: 48%

In 18 months

- In the cloud: 63%
- On-premise: 37%

Source: Foundry Cloud Computing Study, 2023
What’s driving cloud computing initiatives?

1. Enabling disaster recovery & business continuity
2. Replacing on-premise legacy technology
3. Lower total cost of ownership (TCO)
4. Improving employee productivity
5. Greater flexibility to react to changing market conditions

Question: What business objectives are driving cloud investments at your organization? (Please select up to five)

Source: Foundry Cloud Computing Study, 2023
Cost management and security expertise needed from vendors

Cost management capabilities: 37%
Security expertise: 34%
Better cloud management capabilities: 28%
Strategic guidance on overall cloud strategy/roadmap: 26%
Training/support services: 25%
New licensing/bulk discount offerings: 25%
Stronger governance tools: 23%
Access to advanced/leading-edge functionalities (i.e., ML, AI, etc.): 21%
Industry-specific services: 19%
Commitment to standards: 17%

Question: In order to successfully advance your cloud strategy over the next year, what do you most need from your future or current cloud providers?

Source: Foundry Cloud Computing Study, 2023
Spending decisions are controlled by IT

Question: Approximately, what percent of cloud spending decisions at your organization are primarily controlled by IT, and what percent are primarily controlled by other lines of business?

Source: Foundry Cloud Computing Study, 2023
Question: What are your organizations intentions for leveraging a multicloud architecture over the next 12 months?

Source: Foundry Cloud Computing Study, 2023
### Cloud capabilities most likely to adopt

<table>
<thead>
<tr>
<th>Capabilities</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI/Machine Learning</td>
<td>53%</td>
</tr>
<tr>
<td>Cloud-based security</td>
<td>46%</td>
</tr>
<tr>
<td>Disaster recovery</td>
<td>46%</td>
</tr>
<tr>
<td>Software-as-a-Service</td>
<td>40%</td>
</tr>
<tr>
<td>Big data/analytics</td>
<td>38%</td>
</tr>
<tr>
<td>Cloud-based analytics</td>
<td>33%</td>
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<tr>
<td>Serverless computing</td>
<td>31%</td>
</tr>
<tr>
<td>Infrastructure-as-a-Service</td>
<td>31%</td>
</tr>
<tr>
<td>Compliance</td>
<td>30%</td>
</tr>
<tr>
<td>Platform-as-a-Service</td>
<td>29%</td>
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<tr>
<td>Business process automation</td>
<td>29%</td>
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<tr>
<td>Multicloud management</td>
<td>26%</td>
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<tr>
<td>Edge computing</td>
<td>26%</td>
</tr>
<tr>
<td>Private cloud</td>
<td>25%</td>
</tr>
<tr>
<td>Data center infrastructure-as-a-Service</td>
<td>23%</td>
</tr>
<tr>
<td>Security-as-a-Service</td>
<td>23%</td>
</tr>
</tbody>
</table>

**Question:** Of the following cloud capabilities, please select all that you are most likely to use or adopt over the next 12 months?

**Source:** Foundry Cloud Computing Study, 2023

**44%** of IT decision-makers understand their cloud provider’s roadmap for integrating AI tools in their platforms.

<table>
<thead>
<tr>
<th>Company Size</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,000+</td>
<td>53%</td>
</tr>
<tr>
<td>&lt;1,000</td>
<td>37%</td>
</tr>
</tbody>
</table>
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