

# Data Center Density and Public Cloud Survey Results

SEPTEMBER 2025

## SUMMARY

One-fifth of owner/operator respondents say the highest server rack density they deploy is now 30 kW or greater -- up 7-points compared to our 2023 Global Data Center survey results.

Half (50%) of survey respondents report their organizations have either built or upgraded data hall space dedicated to high-density IT within the past 12 months.

49% say their organization uses public cloud to host mission critical workloads, while 51% say they do not.

Among those who say their organization does not place mission critical workloads in cloud, 69% point to data security concerns and 49% to regulatory/compliance concerns.

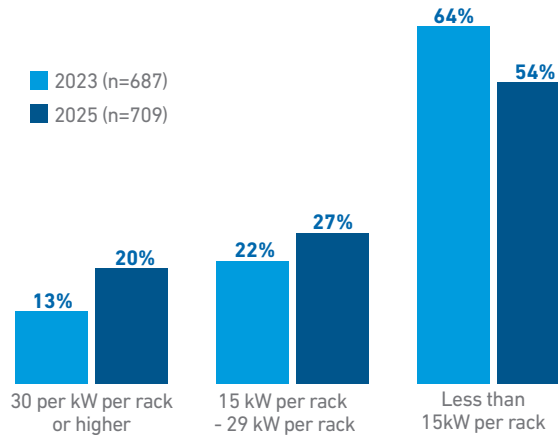
## ABOUT THIS SURVEY

Uptime Institute's Global Data Center Survey 2025 was conducted between April 3, 2025 and May 22, 2025 and had a total of 1,677 data center industry respondents.

This report is based on the results from 835 data center owner/operator respondents.

## Highest server rack density deployed in data center

I. What is the highest server rack density deployed in the data center you work in or are most familiar with?

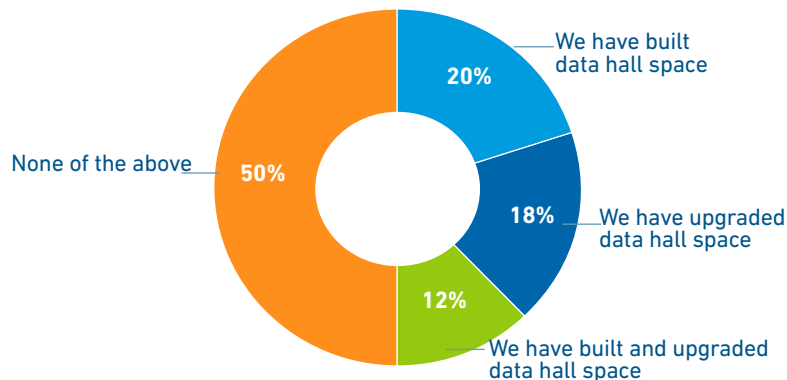


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## Have you built or upgraded high-density data hall space?

III. In the past 12 months, has your data center built or upgraded data hall space dedicated to high density IT? (I.e., AI hardware, technical computing) (n=625)

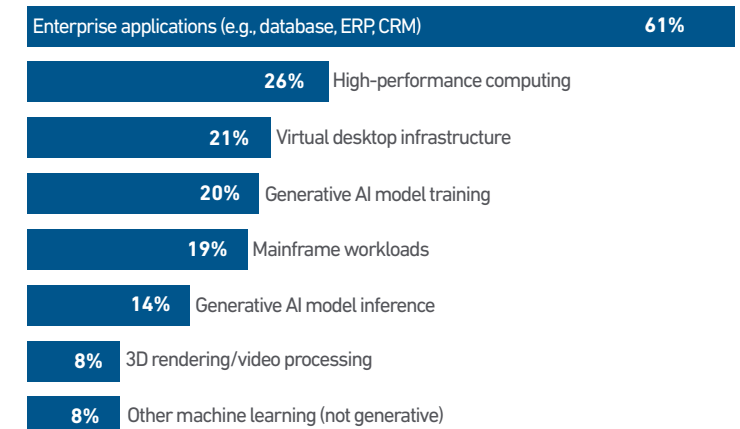


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## Applications driving highest density deployments

II. Which of the following types of applications are driving the highest density deployments in your data center? Choose all that apply. (n=685)

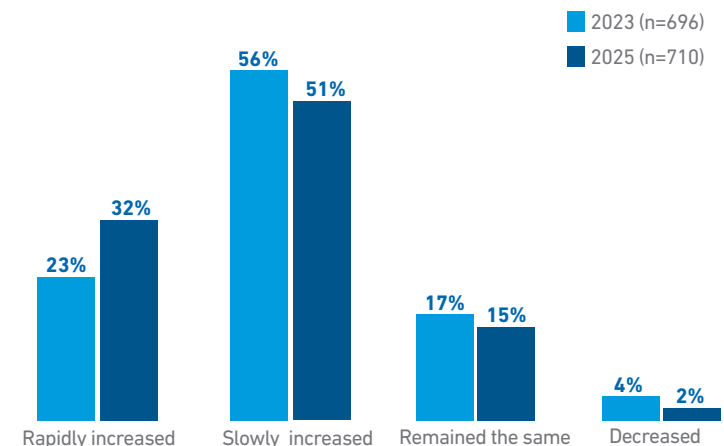


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## Change in rack power density

IV. Over the past three years, how has the most common (modal average) rack power density deployed in your data center changed?

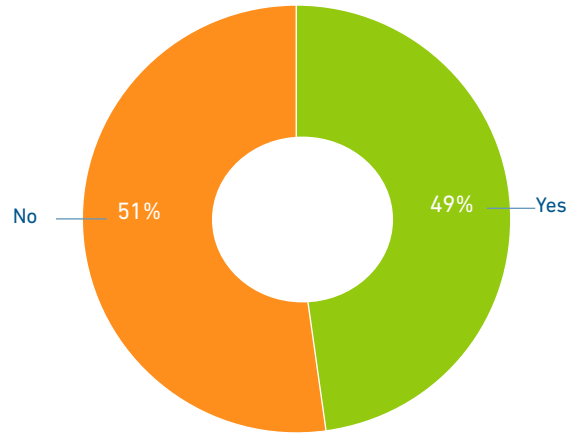


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## Hosting mission-critical workloads in cloud

V. Does your organization use public cloud computing (e.g., IaaS, PaaS) to host your own mission-critical workloads? (n=521)

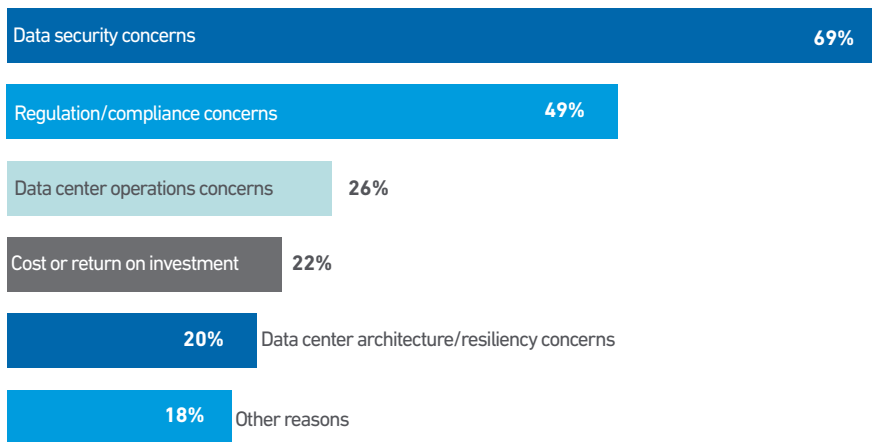


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## Reasons why mission-critical workloads aren't placed in cloud

VII. What are the main reasons you do not place mission-critical workloads into public clouds? Choose no more than three. (n=251)\*



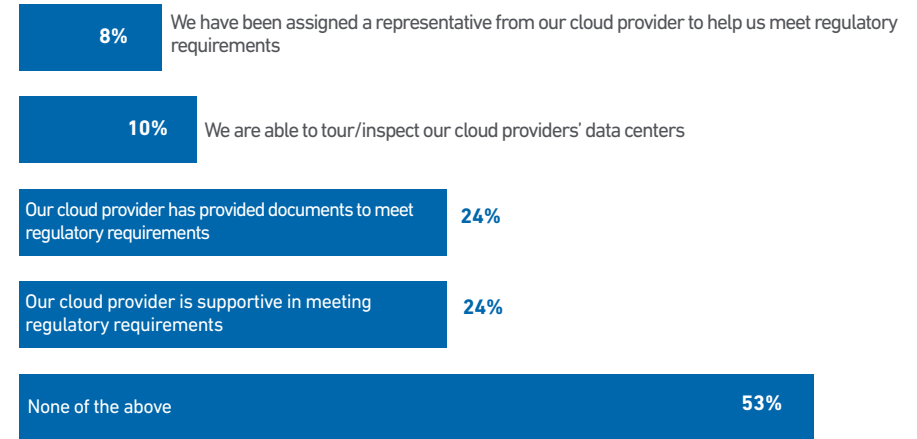
\* Only answered by respondents who said their organization does not use public cloud

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## Regulatory/compliance experience with cloud provider

VI. Which of the following statements reflect your regulatory/compliance experience with your primary cloud provider? Choose all that apply. (n=569)

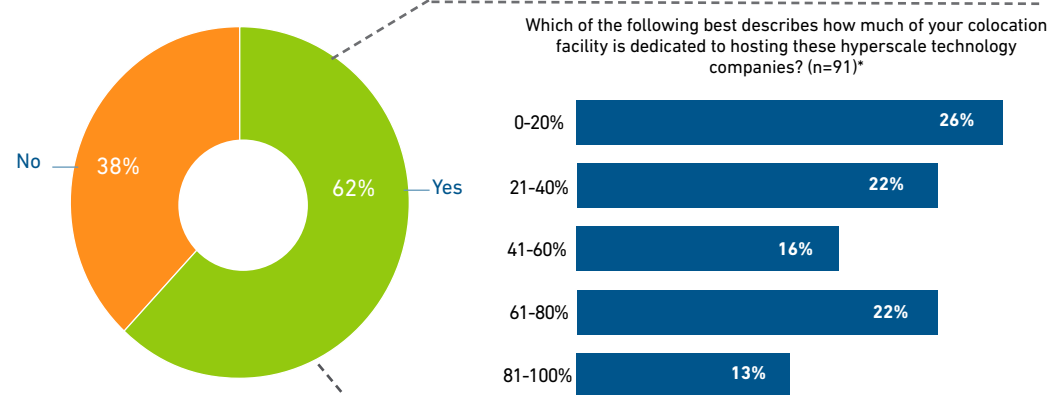


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## Hyperscale tenants in colocation facilities

VIII. Does your colocation facility host any of the following hyperscale technology companies: AWS, Google, Microsoft, IBM, Meta, Tencent, Alibaba, Baidu. (n=151)\*



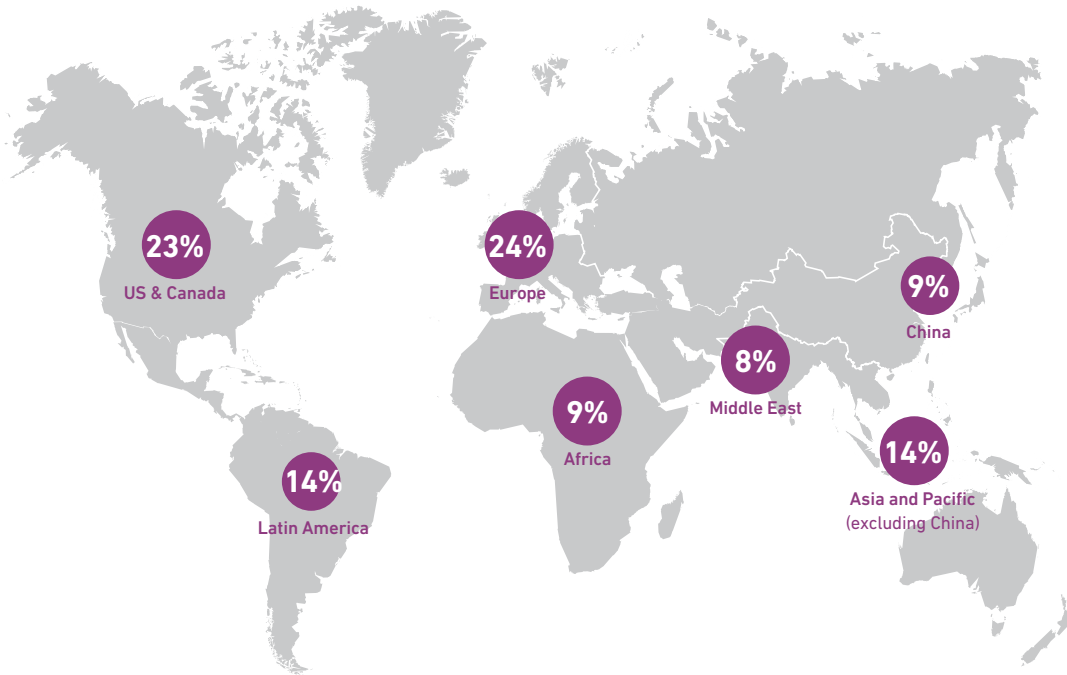
\* Only answered by Colocation Providers

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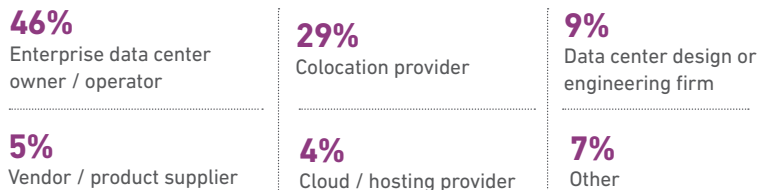


## Owner/Operator Respondent Demographics

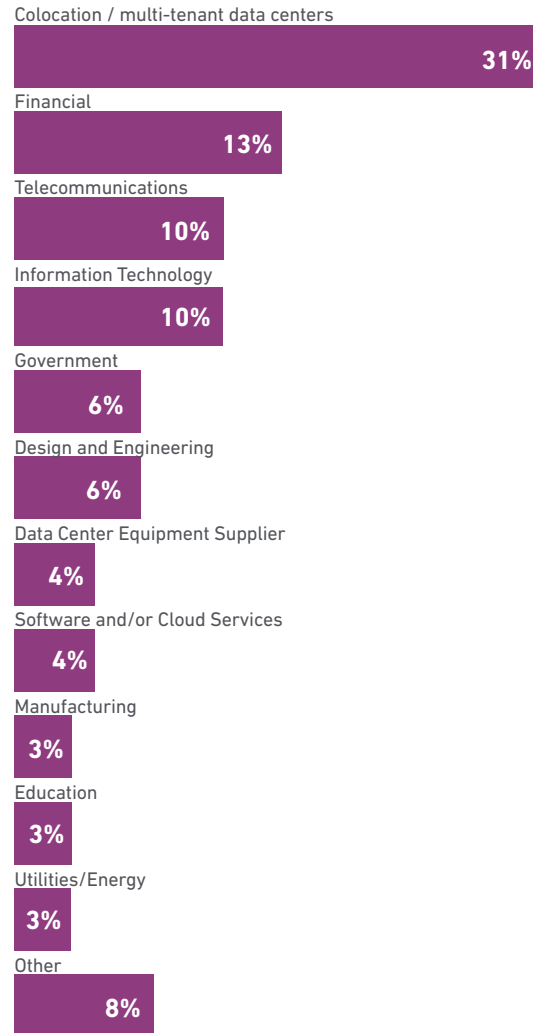
Respondents' location (n=834)



### Digital infrastructure environment (n=835)



### Verticals (n=583)



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### About Uptime Institute

Uptime Institute is the Global Digital Infrastructure Authority. Its Tier Standard is the IT industry's most trusted and adopted global standard for the proper design, construction, and operation of data centers – the backbone of the digital economy.

For over 25 years, the company has served as the standard for data center reliability, sustainability, and efficiency, providing customers assurance that their digital infrastructure can perform at a level that is consistent with their business needs across a wide array of operating conditions.

With its data center Tier Standard & Certifications, Management & Operations reviews, broad range of related risk and performance assessments, and accredited educational curriculum completed by over 10,000 data center professionals, Uptime Institute has helped thousands of companies, in over 100 countries to optimize critical IT assets while managing costs, resources, and efficiency.

Uptime Institute is headquartered in New York, NY, with offices in Seattle, London, Sao Paulo, Dubai, Singapore, and Taipei. For more information, please visit [www.uptimeinstitute.com](http://www.uptimeinstitute.com)

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