# Data Lifecycle Strategies

CLOUDERA

Red Hat

Summary Results | September 2021

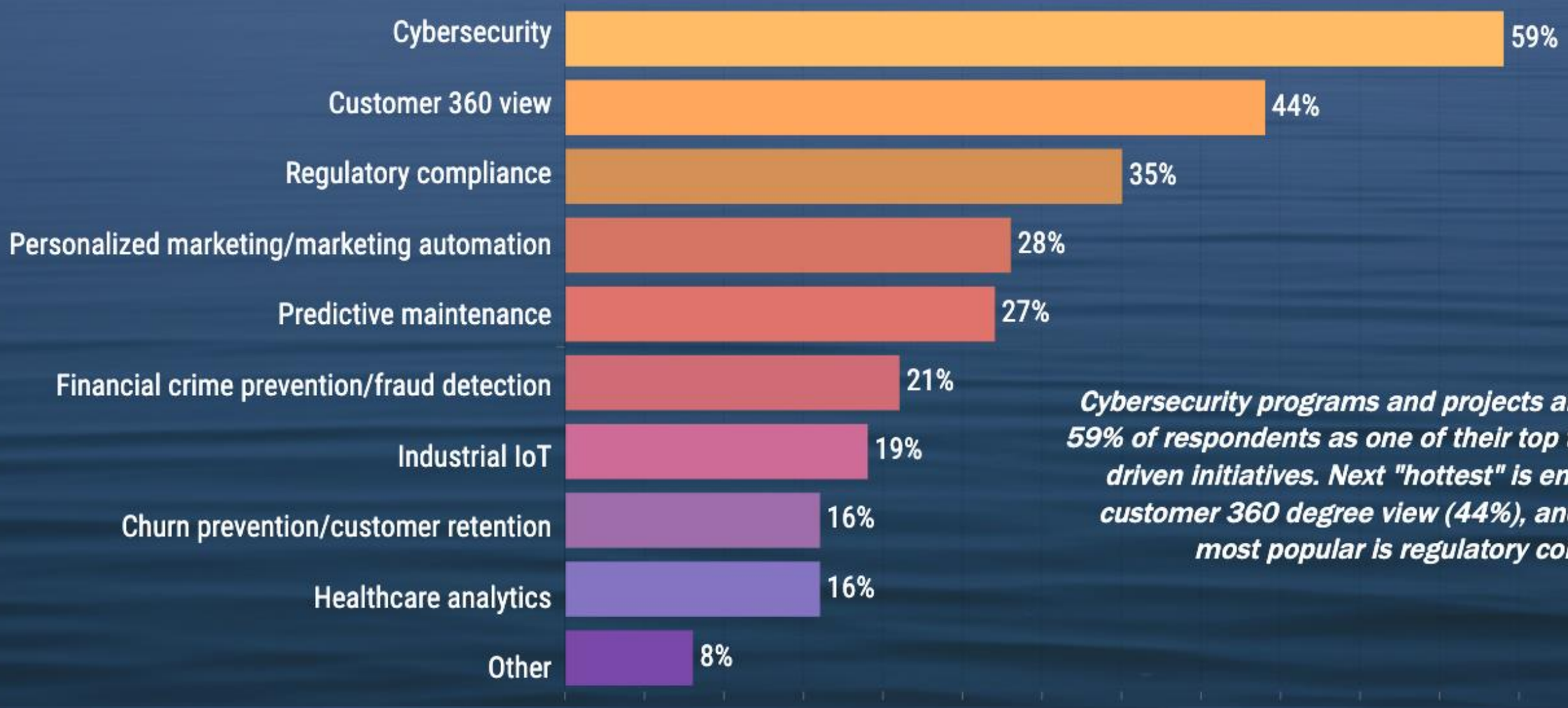
# EXECUTIVE OVERVIEW

Enterprises rely on complex sets of data to analyze every aspect of the business. But not every data platform is up to the task of delivering analytics in a way people can digest and use today, let alone in the future. What are organizations doing to meet their needs and prepare for the future?

This survey asks respondents to report:

- What are the hottest data-driven initiatives in their organization right now?
- What are their worst data-driven analytics pain points? What management challenges do they face?
- What do they need to do to support their data lifecycle? What are their motivators for adopting Kubernetes?

# What are the three hottest data-driven initiatives in your organization right now?




***Cybersecurity programs and projects are cited by 59% of respondents as one of their top three data-driven initiatives. Next "hottest" is enabling the customer 360 degree view (44%), and the third most popular is regulatory compliance.***

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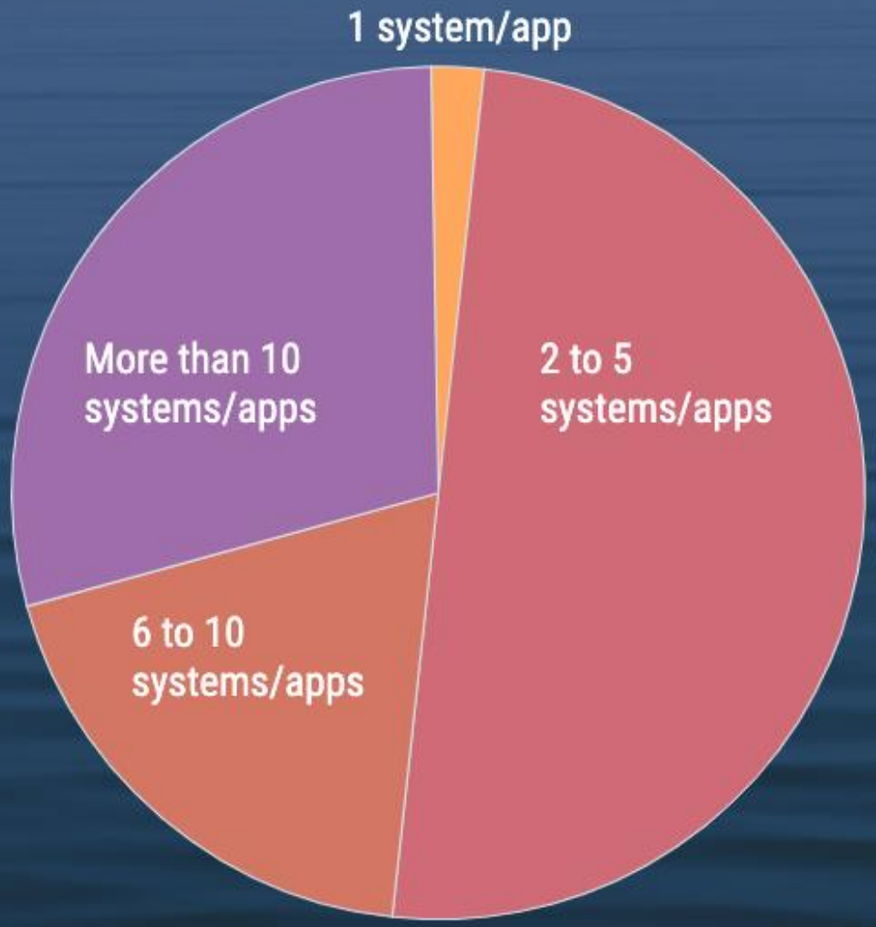
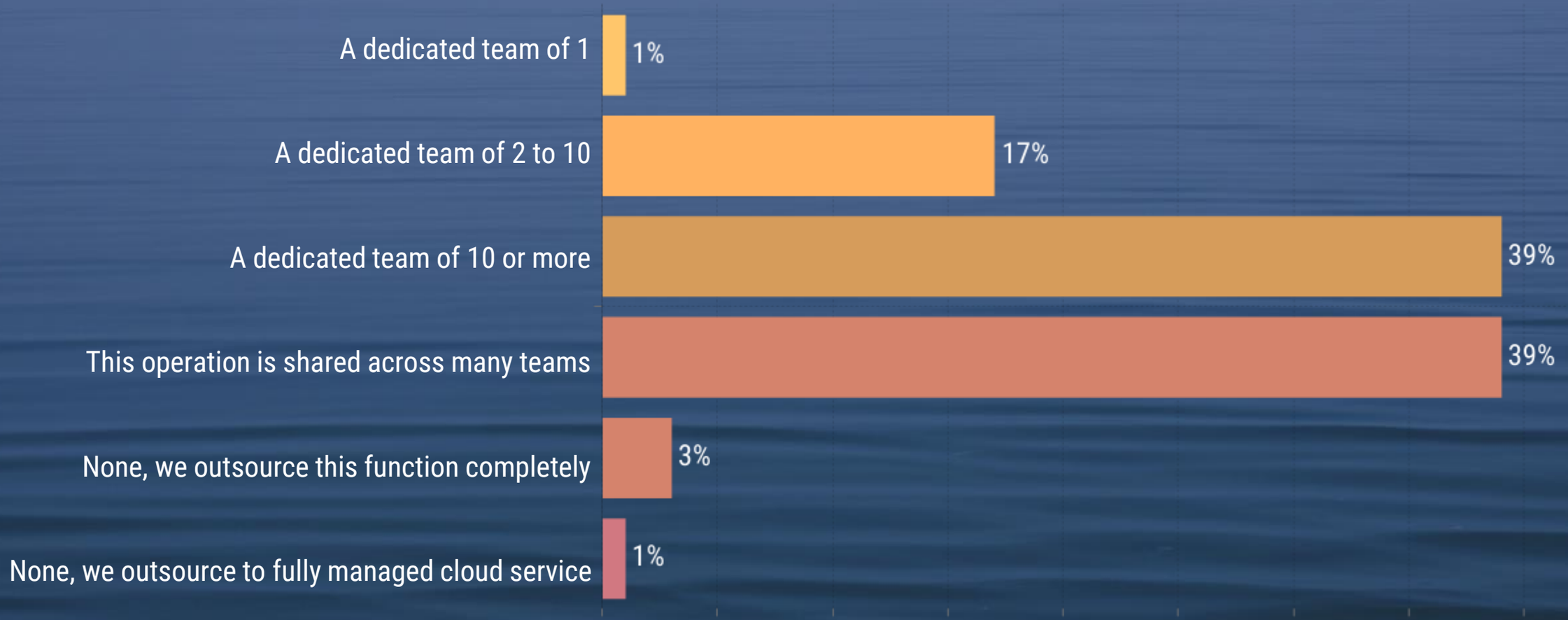
# How many systems and applications do you use to access data and perform analytics?




1..... 2%
2 to 5..... 50%
6 to 10..... 19%
>10..... 29%

***Just 2% of respondents have a single system for accessing data and performing analytics. Half have up to 5, and 48% as many have 6 to 10, or more!***

# Which of the following best describes the team that manages your IT infrastructure?




***Across all respondents, IT infrastructure is most commonly managed by either a team of 10 or more, or shared across many teams (reported by 39%). Roughly half as may say they have a dedicated team of 2 to 10 managing the infrastructure. Few outsource this operation.***



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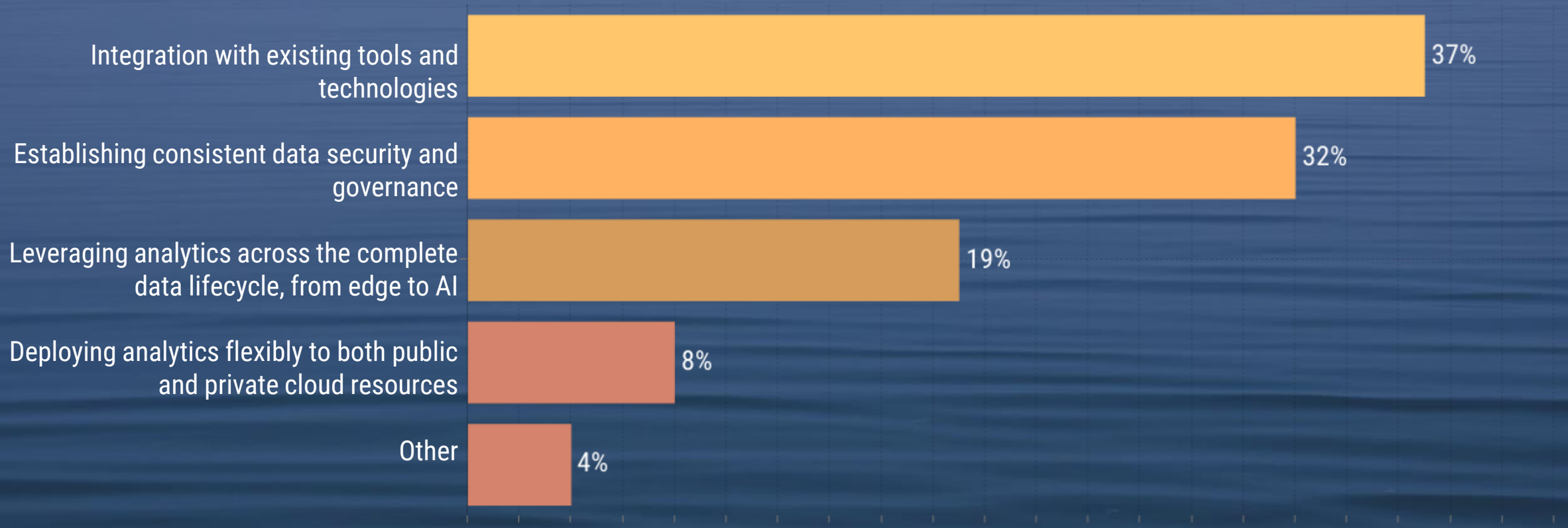
# In your industry, what do you feel is the worst of all data-driven analytics pain points?




***The worst pain is integrating with existing tools and technologies, say 37% of respondents. 32% complain about establishing consistent data security and governance.***

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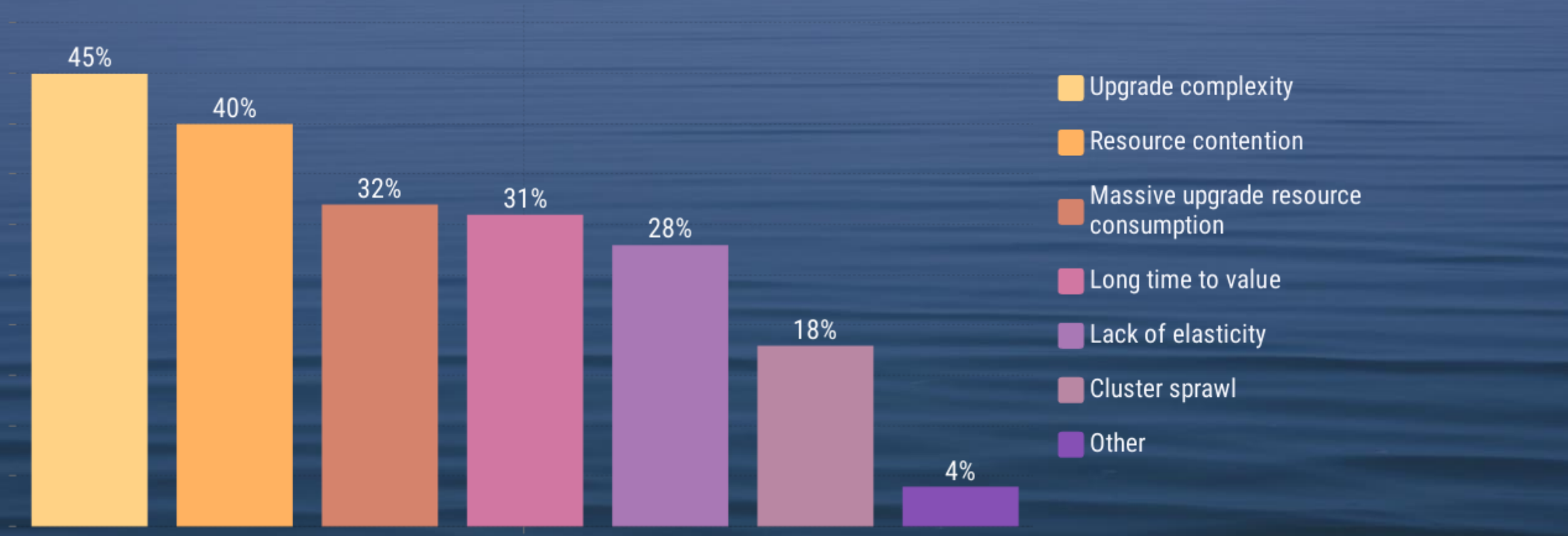
# Which of the following data management challenges do you face?




*Complex upgrades are the data management challenge most commonly cited by those surveyed (45%), followed by 40% who say resource contention is an issue. Nearly a third find resource consumption during massive upgrades painful, and 31% complain the time to value is too long.*

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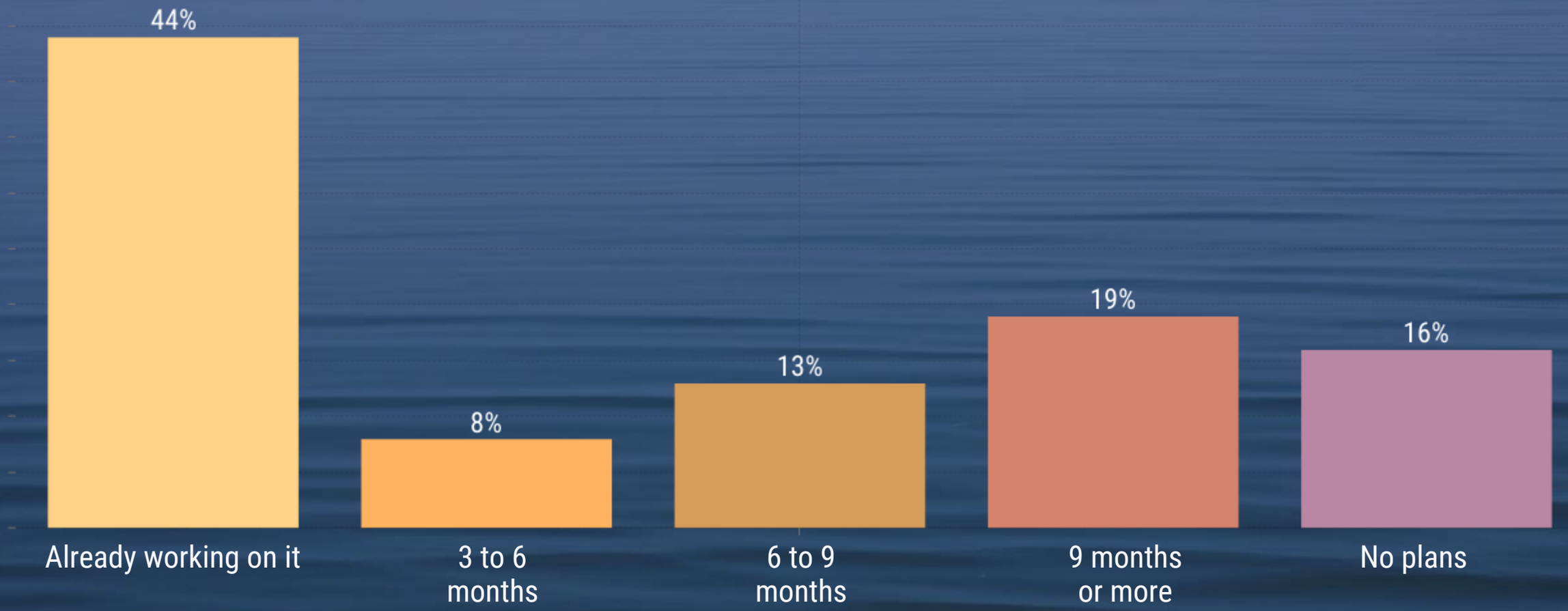
# When do you plan to move workloads into a hybrid and/or multi-cloud environment?




*84% of respondents are in the process of, or have plans to move workloads to a hybrid and/or multi-cloud environment.*

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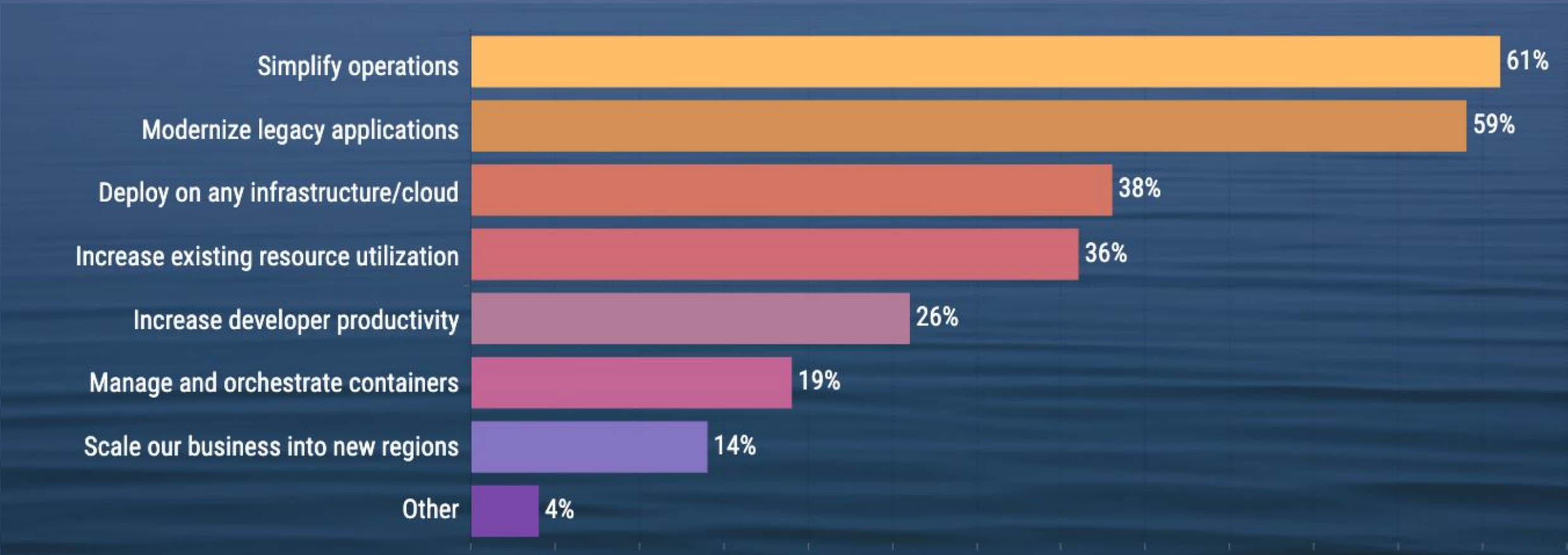
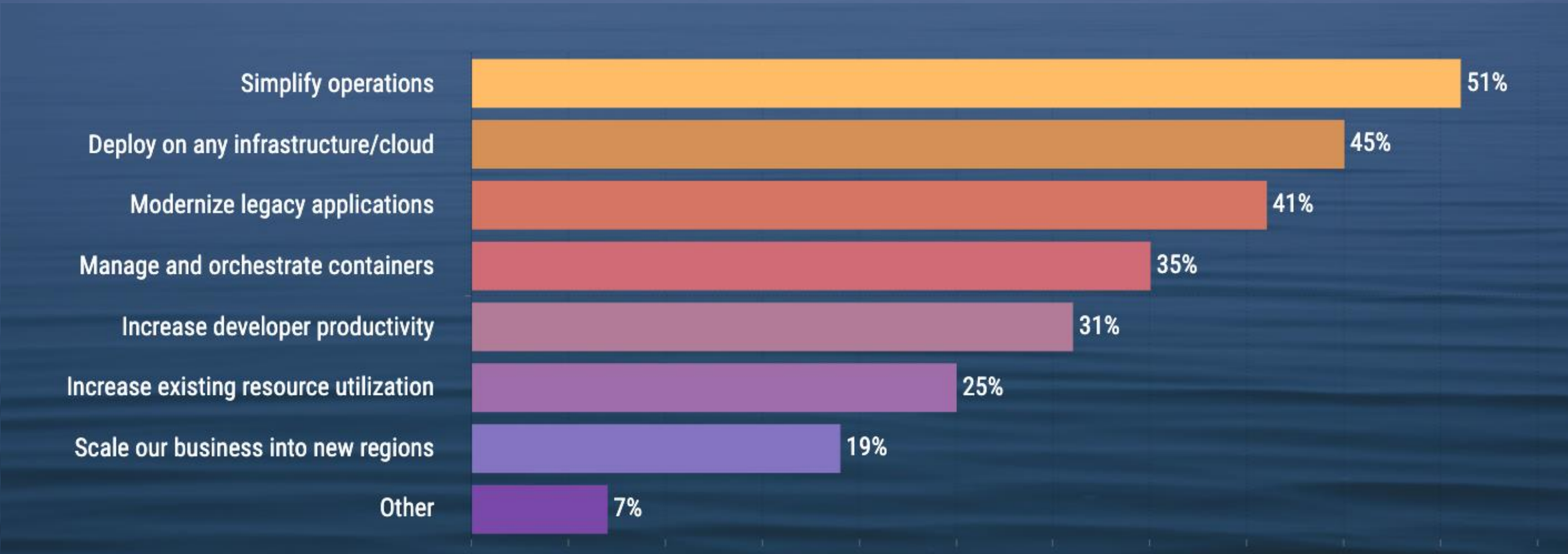
# What do you need to do to support your data lifecycle?



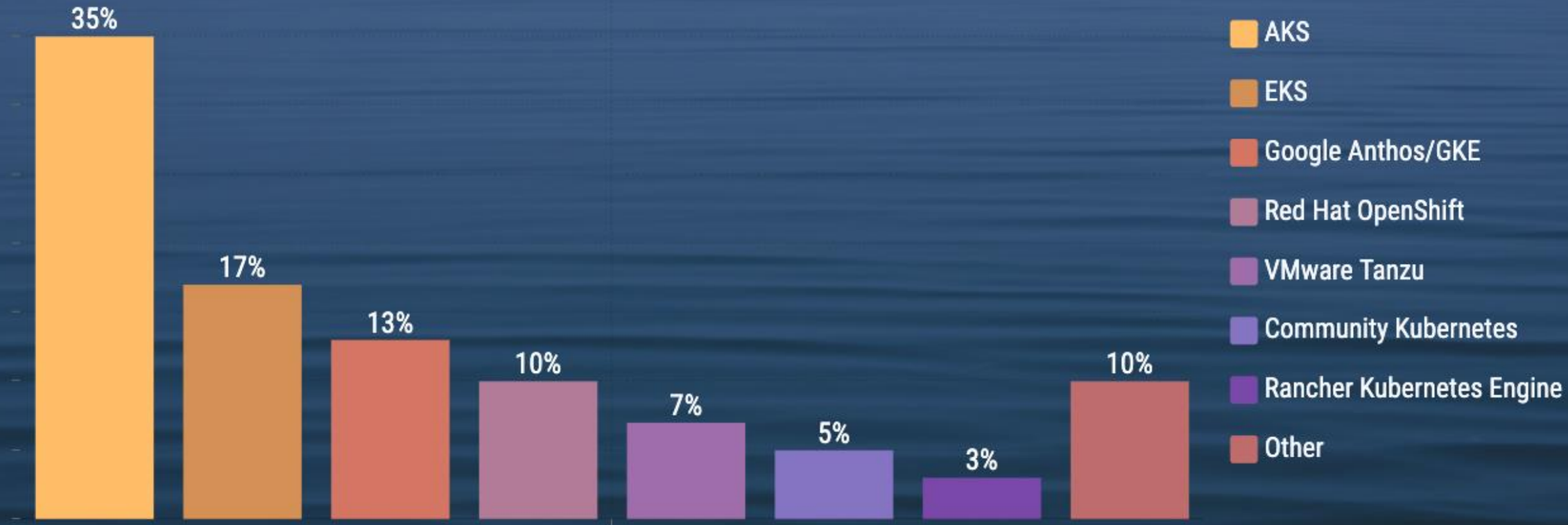

*Supporting their data lifecycle requires simplification of operations, say 61% of respondents. Related, nearly as many believe modernizing their legacy apps will help. More than a third need flexibility to deploy on any infrastructure cloud (38%) and/or increase their resource utilization (36%).*

# What were or would be key motivators for adopting Kubernetes?




*Simplifying operations is not only a major goal in supporting data lifecycles, but also the top motivation for 51% of respondents to adopt Kubernetes. Second most popular motivator is to be able to deploy on any infrastructure cloud (45%), followed by modernizing legacy apps (41%).*

# Which Kubernetes distribution do you or would you use for production environments?




*Azure Kubernetes Service (AKS) is favored by more respondents (35%) than the next most popular, EKS (AWS Elastic Kubernetes Service), favored by roughly half as many.*

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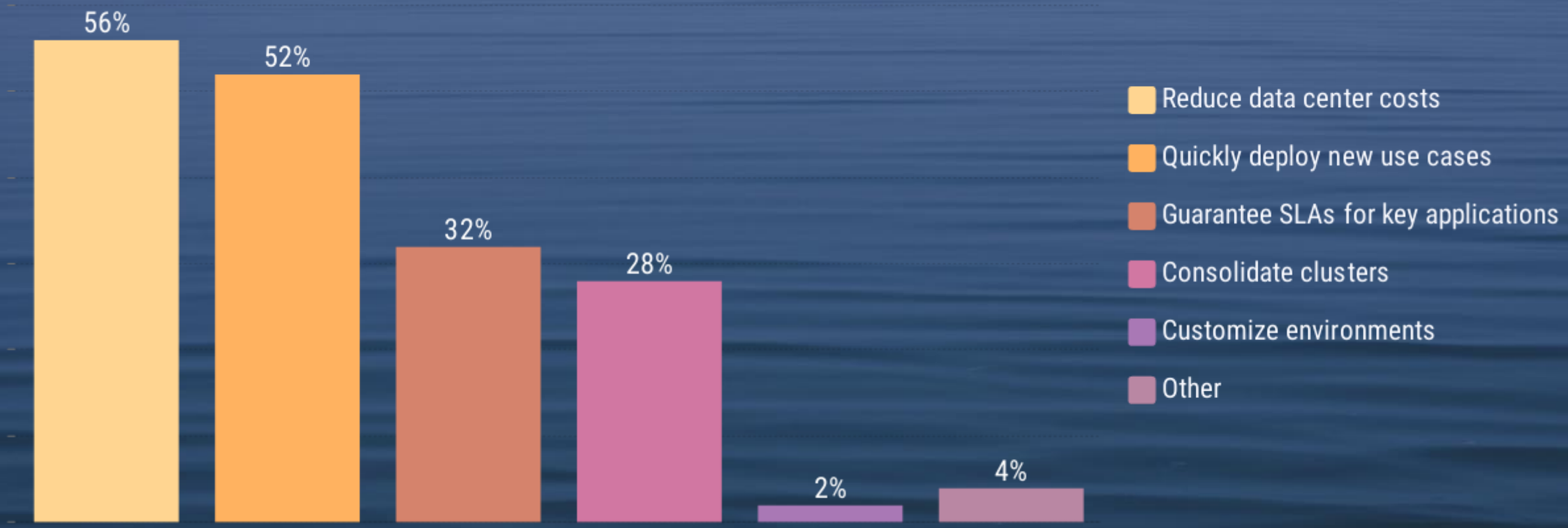
# What would motivate you to adopt a more modern data-driven analytics platform?




*More than half of respondents say driving down the cost of the data center is highest on the list of motivators to adopt a more modern data-driven analytics platform (56%), followed by being able to quickly deploy new use cases (52%).*

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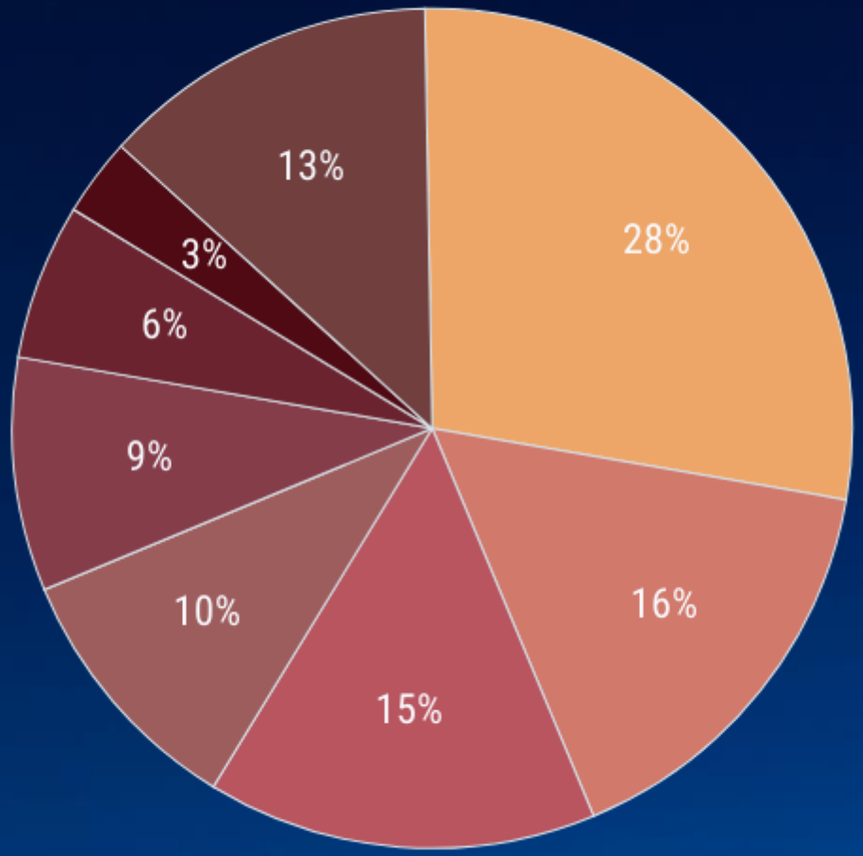
# INDUSTRY SECTORS

## Responders represent a wide variety of industries.

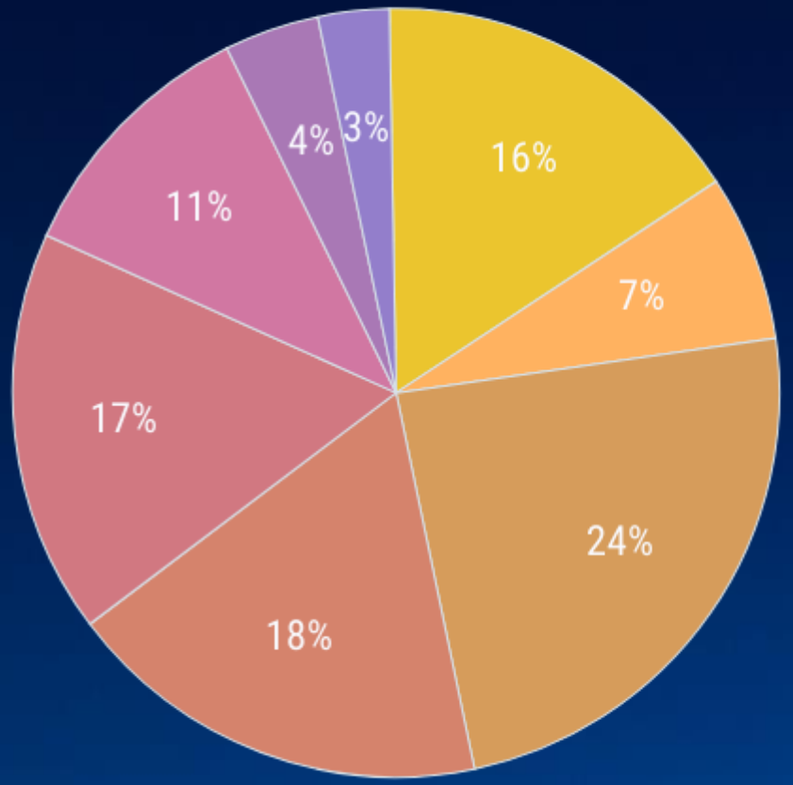
| | |
|---|---|
| Business Services | 28% |
| Mfg - High Tech | 16% |
| Financial Services | 15% |
| Mfg - General | 10% |
| Healthcare | 9% |
| Retail Trade | 6% |
| Construction | 3% |
| Other: Wholesale Trade, Consumer Svcs, Mining, Primary Mfg, Education, Telecom, Transportation, Utilities | 13% |



# JOB LEVEL

**47% of survey respondents hold director or executive level positions in their organization.**

| | |
|---|---|
| CxO | 16% |
| VP | 7% |
| Director | 24% |
| Manager | 18% |
| Engineer | 17% |
| Architect | 11% |
| Data Scientist | 4% |
| Data Analyst | 3% |




**Cloudera empowers organizations to transform complex data into clear and actionable insights with a next-generation, cloud-native data platform that can also be deployed on premise.**

**Learn more at cloudera.com**

***This report is produced in collaboration with Red Hat.***