I believe it’s about finding the right balance no matter what type of technology we move towards... between all the systems. It’s more about how you manage the security postures of all of this.

— VP of security engineering and risk at a global financial services organization

**2020 Mainframe Market Pulse Survey**

What are US-based IT leaders facing right now? After years of focusing on rapidly advancing capabilities and migration strategies, a cloud-centric marketplace has taken hold. But what role does the mainframe play in future IT strategies? What are the biggest business challenges organizations face when it comes to modernization? How are they planning to approach hybrid in the future? In this landmark survey, we asked them.

We learned there’s interest in exploring the benefits that cloud provides and upgrading environments—but not fully retiring legacy systems. The results underscored that mainframes aren’t on the way out. If anything, interest and investment appears to be on the rise, as IT leaders across industries validate its enduring role in their hybrid strategies.

**Hybrid future state**

Of the respondents planning to replace some portion of mainframe technology with hybrid cloud technology, their future plans include:

- **66%** Never fully replacing the mainframe with cloud
- **5%** Transitioning to cloud in more than 36 months
- **19%** Transitioning to cloud in 25-36 months
- **7%** Transitioning to cloud in 12-24 months

**Respondents at a glance**

**INDUSTRIES**

- Health care
- Government
- Financial services and/or insurance
- Energy, utilities, and/or waste management
- Transportation and logistics

**COMPANY SIZE**

- $500M to $999M
- $1B to $5B
- $5B or more

- 20%
- 68%
- 12%

**RESPONDENT LEVEL**

- Manager
- Director or agency head
- Vice president or undersecretary
- C-level executive

- 10%
- 42%
- 28%
- 20%

**GOVERNMENT TYPE**

- Federal government
- State or local government
- Other commonwealth government

- 43%
- 57%
- 57%
Innovate with the cloud—and keep your mainframe too

Modernization for most has meant moving data and applications off the mainframe. Our survey told us that IT leaders are interested in finding ways for mainframe and cloud to work together. This framework is a way to start thinking about how they can co-exist in a hybrid model, providing you with seamless data and workload portability, access, and functionality across core, cloud, and edge environments.

**Innovate at the edge**
- 54%
  - We modernize by integrating data managed on the mainframe with new cloud-native services

**Integrate in place**
- 30%
  - We modernize by integrating existing mainframe workloads with new cloud-native services

**Modernize and rehost**
- 36%
  - We modernize by moving applications off the mainframe

Get in touch to learn more about our findings—and how we can help.

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Design, build, and deploy your possible with hybrid cloud

We combine the transformative power of cloud with the security of core systems and the nimble responsiveness of edge computing to create a catalyst for collaboration, growth, and innovation. Our approach is business-led and application-driven to help you achieve the greatest ROI from your technology investments and accelerate benefit realization.

We support you throughout your transformation journey, helping with strategy development, systems implementation, project management, and more.

Our proprietary accelerators—such as our Cloud Workbench suite of tools and industry-specific templates—help jump-start your journey.

We bring experience across the business in tax, risk, cyber security, human capital, and more, because we know that cloud is about more than just IT.

We have the operational discipline to help you measure program success.

Deloitte and IBM

Drawing on a relationship that has spanned more than 20 years, Deloitte and IBM combine technology leadership, hands-on business experience, and industry knowledge to design and implement modern infrastructure and connect complex systems and applications to deliver on the promises of digital transformation.

Innovate with the cloud—and keep your mainframe too

- 43%
  - We modernize in place on the mainframe (maintain legacy code)

- 54%
  - We modernize by integrating data managed on the mainframe with new cloud-native services

- 30%
  - We modernize by integrating existing mainframe workloads with new cloud-native services

- 36%
  - We modernize by moving applications off the mainframe

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