

## State of the Mainframe

- While the provision of cloud is growing, mainframe isn't shrinking. See chart to the right.
- **89%** of respondents use mainframe-as-a-service (MFaaS) models now. Demand will continue to grow.
- **34%** plan to upgrade existing mainframes, and **17%** expect to purchase brand new mainframe infrastructure.

## Mainframe-as-a-Service Benefits

### Why use MFaaS vs. On-Premise Mainframe?

MFaaS motivations are driven by value, capabilities and cost benefits. Security aspects are perceived as less of a concern with MFaaS compared to cloud. Two-thirds of respondents believe the as-a-Service model is preferable to on-premise mainframe for adding new capabilities.

## Top Managed Services Used Today

### Mainframe Ops & Services from MSPs

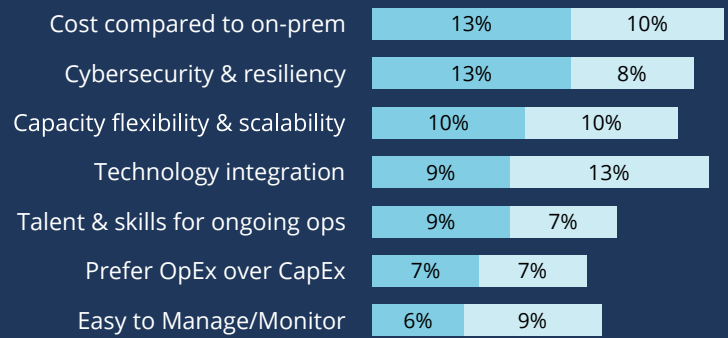
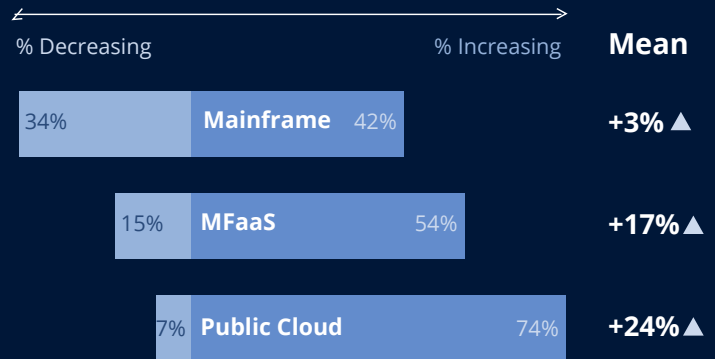
Nearly all large enterprises are using MSPs in some aspect with regard to mainframe provision. The most common services used are **security** and **performance** related. Enterprises highlighted that optimization efforts should lead to cost savings as well as performance benefits.

## Future Managed Service Provider Use

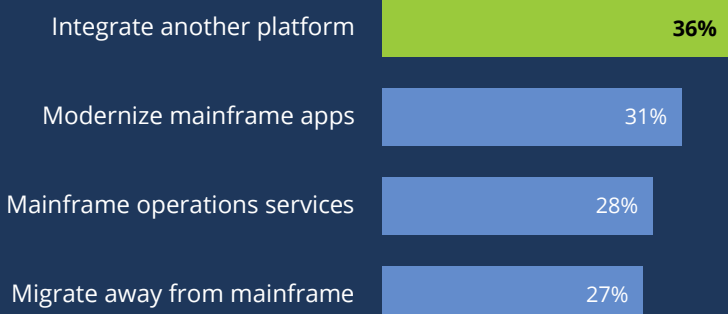
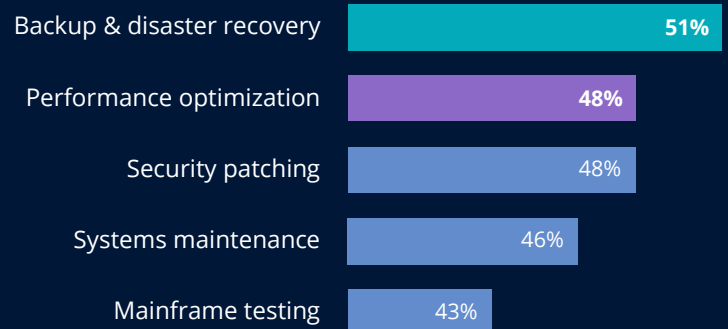
### What Enterprises Will Partner to Do

Enterprises will continue to engage MSPs for mainframe services. Engagement for **integration efforts** will overtake application and optimization services over the next 3 years. Enterprises are also increasingly looking at microservices architecture for development flexibility.

### Compute Capacity



Note: Respondents chose a primary and secondary benefit



**200 decision makers from G2000s** in N. America & Europe were interviewed

**CIO/CTO (34%), senior IT (55%),** & other C-level (11%) mainframe decision makers

**Contact us** to find out more about this study. If your organization needs help navigating the technology and roadmap needed to refocus your mainframe vs. cloud strategy, ISG can help.