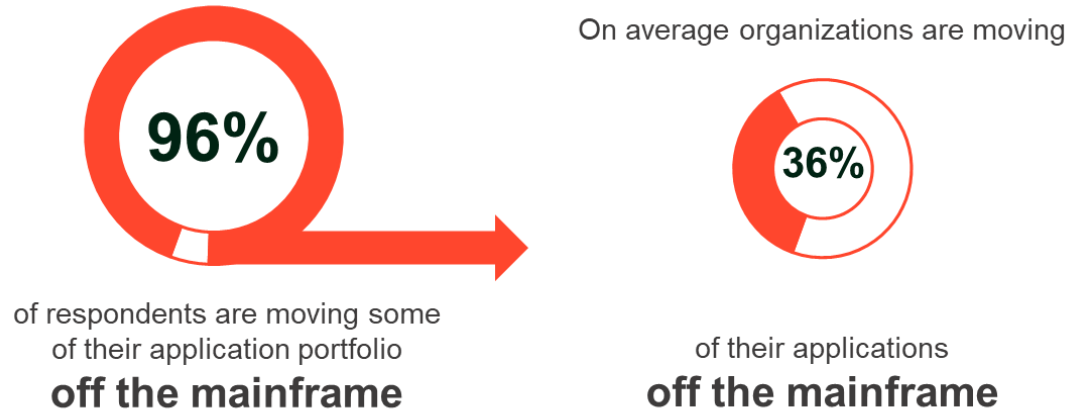


# Mainframe modernization with Microsoft Azure

Kyndryl mainframe modernization services help transform your mainframe environment for the cloud era

# Mainframe modernization trends

Almost all respondents in a 2024 survey are moving some workloads off the mainframe



The skills gap remains:

**77%** Respondents are using external providers to deliver mainframe modernization projects

Partners like Kyndryl & Microsoft can help customers realize the benefits of a successful mainframe migration

## There are tangible benefits in moving off the mainframe

- 45%** Data accessibility
- 37%** Increased flexibility
- 34%** Increased reliability

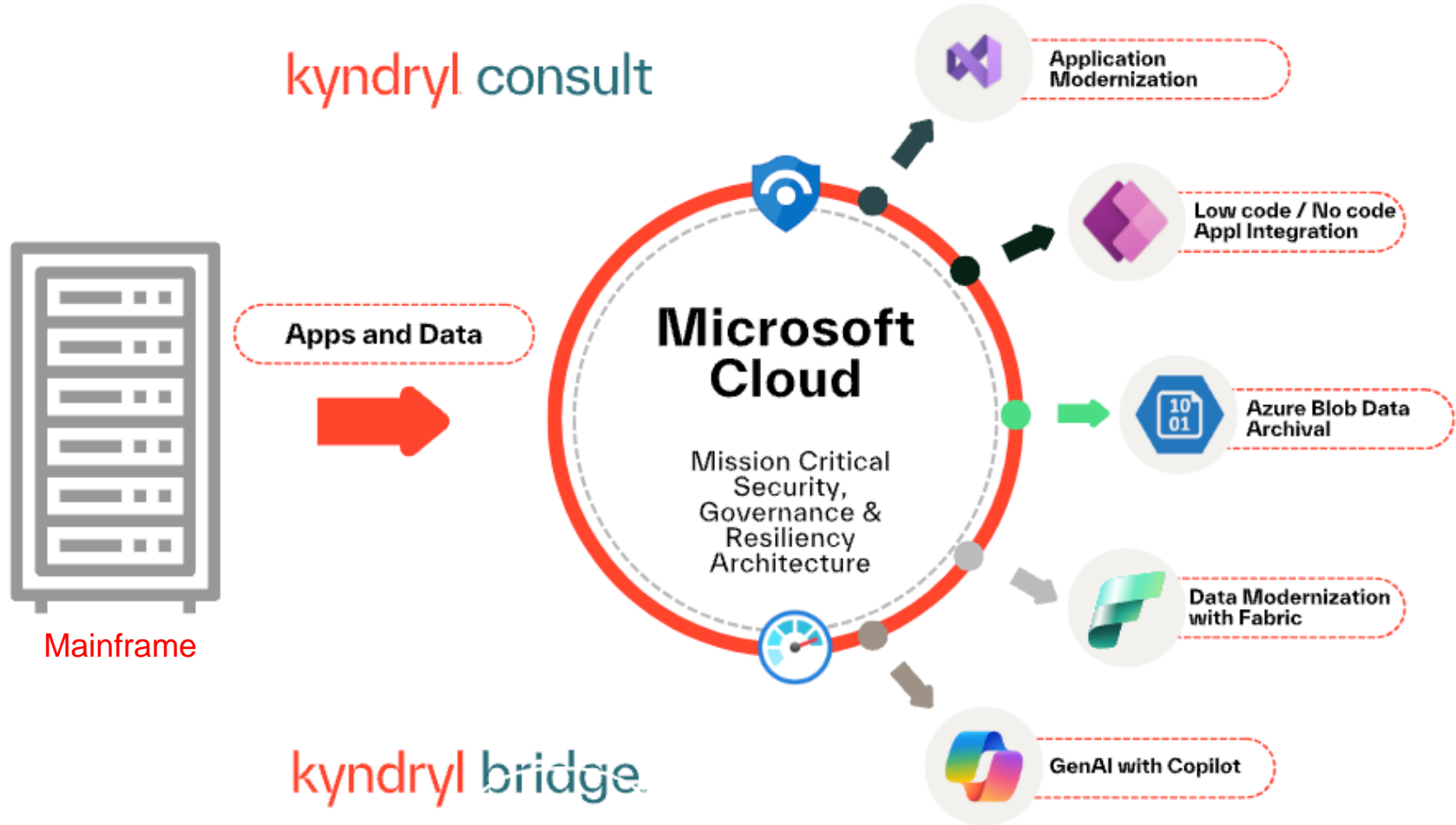
Mainframe modernization initiatives continue to drive considerable cost savings. Projects involving moving off the mainframe drove:

- 12%** Increase in profits
- 225%** ROI in one year


# Kyndryl & Microsoft offer five paths to Mainframe Modernization on Azure

*Together, we work with your team to discover the best path based on your business priorities*

*Our end-to-end services will help deliver your digital transformation to achieve your desired business outcomes*



# New capabilities as part of proven processes

**kyndryl** leverages technology from  **Microsoft** to modernize MF apps, integrate data, and perform sophisticated analysis using AI and azure services

## Systems Integration with

**kyndryl consult** provides full systems integration service with parallel workstreams centering around data migration, creating new applications while we are moving the existing ones

Azure design principles ensure management and administration of integrated and/or migrated mainframes applications and services

## Microsoft Power BI

Use Power BI to enable new ways of visualizing and consuming mainframe data with intuitive graphical dashboards




## Data

Secure data synchronization with **precisely** and Kyndryl enables the implementation of data governance practices in a hybrid estate

Ensure existing data governance is maintained both on and off premises



## DevOps

Kyndryl migration and mainframe integration processes takes the heavy lifting out of establishing cohesive interoperability with  **Azure DevOps** in a hybrid environment across the digital

## Application modernization

Update mainframe software to newer frameworks, architectures, and technologies to meet current business demands and accelerate innovation



## Monitoring

Azure's collaboration with Kyndryl's Modern Ops Portfolio provides solutions to enable both environments in one control plane



Combining the power of AIOps and **kyndryl bridge** to enable early detection of anomalies before they become issues that could interrupt services

## Copilot/AI



Provide immediate access to mainframe data with AI/Copilot

Leverage the power of analytics to free your mainframe data and deliver powerful visualizations

## Security

Together Microsoft and Kyndryl incorporate the Azure Security tools suite to enable a single audible control plane across the hybrid estate

Day one zero-trust security, compliance and regulatory integration



Azure Sentinel



## Personalized Customer Service



## Identify Fraudulent Claims



## Predictive Maintenance



## Improved Inventory Management



## Enhancing Financial Error Detection



## Optimized Flight Operations

# How can Mainframe modernization to Azure help your business

*Using Kyndryl with Azure cloud services will reduce time to market by providing immediate access to mainframe data with AI/Copilot services.*

*Our approach can help reduce overall cost by eliminating the inefficiencies of separate vendors. We ensure compliance and regulatory requirements from day one by providing complete end to end service integration.*

### Potential Industry-focused outcomes

#### Banking example:

- Better insights to help clients make more informed decisions
- Detect fraudulent activity
- Detection accuracy, operational efficiency and compliance
- Manage customer preferences data elevated customer satisfaction
- Enhance customer satisfaction by increased product reliability
- Dive deeper into supply chain analytics; increase and eliminate inefficiencies

# Kyndryl and Microsoft are your partners for mainframe modernization on Azure

## Kyndryl

- Kyndryl manages **6.2M+** MIPS and over **60%** of the IBM z MIPS<sup>1</sup> (millions of instructions per second)
- **7.5k+** global, highly skilled, mainframe experts keeping a currency of **expertise and deep skills** through a dedicated education program
- **60+ years** of experience across **22K+ subsystems**, and **100+ million batch jobs** per day

## ...plus the power of Microsoft

- Advanced analytics and AI capabilities which helps businesses gain deeper insights and drive innovation using their existing data
- Power Platform facilitates low-code/no-code development which empowers businesses to unlock new value streams from their data without extensive coding
- Incorporates security from the ground up that is resilient and secure, including proactive compliance

|  |   |
|--|---|
| <br>Microsoft Partner | <br>Azure Expert MSP |
|--|---|

**26,000+** Microsoft Cloud Certifications    **16,500+** Unique Microsoft certified employees

**Solutions Partner Designations for**

- Infrastructure (Azure)
- Data & AI (Azure)
- Digital & App Innovation (Azure)
- Modern Work
- Security
- Business Applications

**ISG** Provider Lens™

**Leader** – Mainframe Modernization Services, Mainframe as a Service (MFaaS), Mainframe Operations: ISG Provider Lens, US & Europe (2023)

 **PEAK** MATRIX®

**Leader** – Everest Group Mainframe Services PEAK Matrix (2024)

## A Global Communications Provider

### Movement off platform services

The customer offers a range of products and services to a multi-country client base that requires reliability, security, accessibility, and speed of service. Adopting a strategic approach called for modernizing applications that will be integrated with its AIOps and service management platforms to enable an environment of simplification and cost reduction.

### Business Challenge

The customer needed to move prime mainframe applications and data to public cloud in order to manage infrastructure costs and derive new insights and intelligence by unlocking mainframe data and making it accessible to business analytics applications.

Moving mainframe applications to the cloud continues to be critical to serve one of the customer's legacy business and consumer product lines.

### Transformation

Kyndryl partnered with the customer to deliver the transformation project leveraging Kyndryl's hyperscaler capabilities and partner ecosystem.

The project retires, refactors or rehosts some mainframe applications. Those applications moving to the cloud will also become more "digital" with API and micro-services capabilities. Applications will be connected into the customer's service management platform and support its AIOps self-healing IT estate model. In addition, other applications' ability to call on data and capabilities within the mainframe applications will be enhanced.

## Benefits




- Reduce mainframe operating costs and energy consumption by 70%, leading to savings worth more than £17m a year by 2026.
- Extend the value derived from the customers' mainframe application investment in a modern way.
- Unlock more value and insights from mainframe data by helping to integrate it with data from a wider set of systems for analytics.
- Reduce the risk of downtime and accelerate and automate fixes.
- Create more seamless customer experiences by enabling other applications to call on data and capabilities with mainframe applications.
- Reduce number of systems, therefore reducing complexity and IT footprint.



[Press Release](#)

# Our Kyndryl Transformation & Modernization Story

Understand the core principles that drove our decisions on our strategic platforms

| Architectural First Principles   | Radical Simplification  |  |   |
|--|---|--|---|
| <p><b>1. Data Centric</b><br/>An enterprise platform approach to data and visualization over siloed data marts</p> |   <b>kyndryl</b>  |  |   |
| <p><b>2. Platform First</b><br/>Strategic business platforms over single point solutions</p>                       | <p><b>1,800</b><br/>Complex, Customized, On-Prem, Applications</p>  | <p><b>360</b><br/>TSA Exit Applications</p>  | <p><b>300</b><br/>End FY2024/early FY25</p>   |
| <p><b>3. Cloud Based</b><br/>SaaS and Azure-based cloud services over custom or on-premise solutions</p>           | <p><b>SAP</b><br/>375 applications consolidated into 1 strategic platform with SAP<br/><b>375 → 1</b></p>   | <p><b>Workday</b><br/>60 applications consolidated into 1 platform with Workday<br/><b>60+ → 1</b></p> | <p><b>M365 Platform</b><br/>65+ legacy collaboration applications condensed into 1 M365 platform<br/><b>65+ → 1</b></p> |
| <p><b>4. Automation Led</b><br/>Infrastructure-as-code over manual provisioning and configuration</p>              | <p><b>Data Warehouses</b><br/>68 different data aggregators and warehouses down to 1 single platform for domain analytics<br/><b>68 → 1</b></p>   | <p><b>ID Management</b><br/>17 ID management systems consolidated into 1<br/><b>17 → 1</b></p>         |   |
| <p><b>5. Zero Trust</b><br/>Fine-grained authorization over trusted network boundaries</p>                         |   |  |   |



## Engage with us

Start accelerating your mainframe modernization journey

- Get started with our mainframe modernization assessment.
- Leverage the Kyndryl / Microsoft partnership to modernize your mainframe applications to Microsoft Cloud.
- Benefit from our joint end-to-end capabilities to improve and enhance your business outcomes.



# Thank you

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