DATA DECENTRALIZATION

ENHANCES ACCESSIBILITY,

devolves responsibility for

data accessibility and security

professionals identified improved

real-time access to information as the top benefit of decentralized

of technology professionals in

insurance cited improved data

privacy compliance as the top

benefit of decentralized data.[‡]

COMPLIANCE, AND

to business teams.

of banking technology

Data decentralization

INNOVATION

ΔΔ%

data.⁺

From The Center To The Periphery: Navigating The Shift Toward Decentralized Data

LEGACY DATA ARCHITECTURES STRUGGLE TO MEET DATA CONSUMERS' GROWING DEMANDS

Centralized models fail to transform how organizations leverage data.

of FSI business decision-makers said their organizations were not highly effective in data accessibility.

.....

57%

54%

of FSI technology professionals said fostering a culture of data-driven decisionmaking is a challenge.*

53%

of FSI business decisionmakers said establishing a data governance model is a challenge.

62%

of FSI technology professionals said expansion in data sources has decreased their organization's resilience.*

LEADING FSI FIRMS ARE SHIFTING TO DECENTRALIZED MODELS

.

Leading FSI firms are already deploying at scale.



Forty-five percent of technology leaders said their organization has implemented data decentralization in a limited capacity.*

Another **18**% indicated their organization has already adopted it at scale.*

organizations are already using data virtualization tools.*
Forty-nine percent noted the same

Fifty percent indicated that their

Data decentralization lets employees export data to other users as data products to foster

a culture of data innovation.

for query accelerator tools.*

Thirty-nine percent noted the same for data replication tools.*

A HOLISTIC STRATEGY IS CRUCIAL FOR IMPLEMENTING A DECENTRALIZED DATA APPROACH To make data decentralization viable, FSI decision-makers must think beyond tools and technology.

Identify and define specific goals and use cases to drive successful data decentralization efforts. Consider how existing centralization data architecture can be complementary to decentralized approaches.

Plan for integration and interoperability. Involve the right partners to support your organization's transition to decentralized data.

Base: 330 business decision-makers in FSI organizations *Base: 214 tech professionals in FSI organizations *Base: 108 tech professionals in the banking industry #Base: 106 tech professionals in the insurance industry Source: A study conducted by Forrester Consulting on behalf of Red Hat and Intel, September 2023

© Forrester Research, Inc. All rights reserved.

