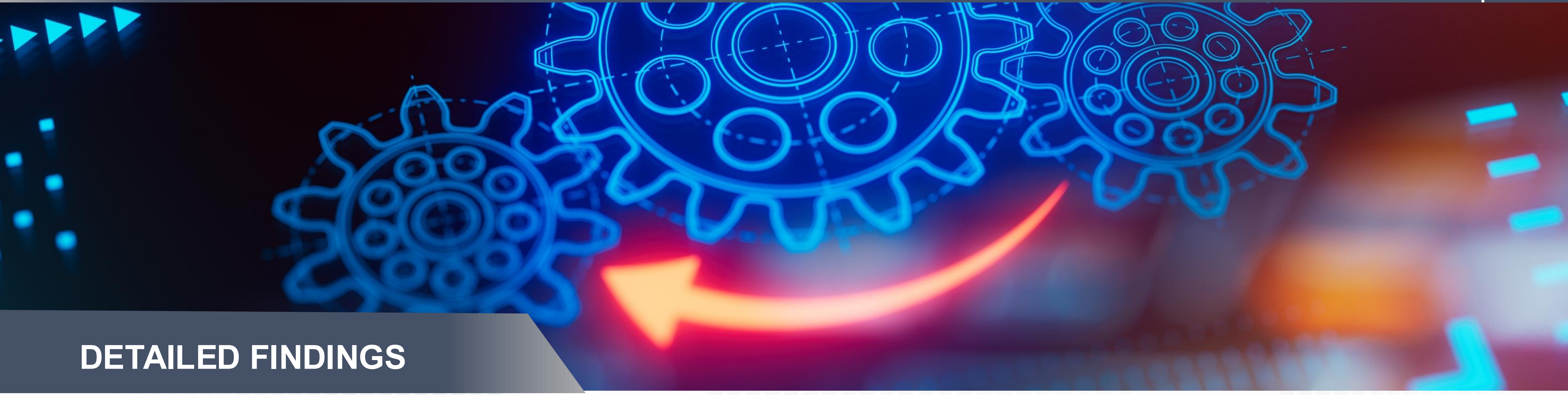

DETAILED FINDINGS

From The Benchmark Report:

Enterprise Integration for SAP

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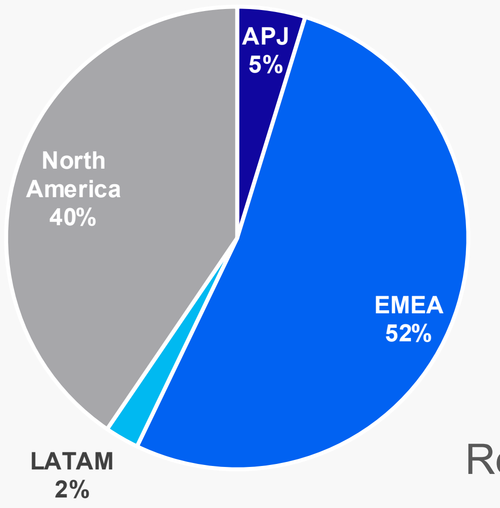
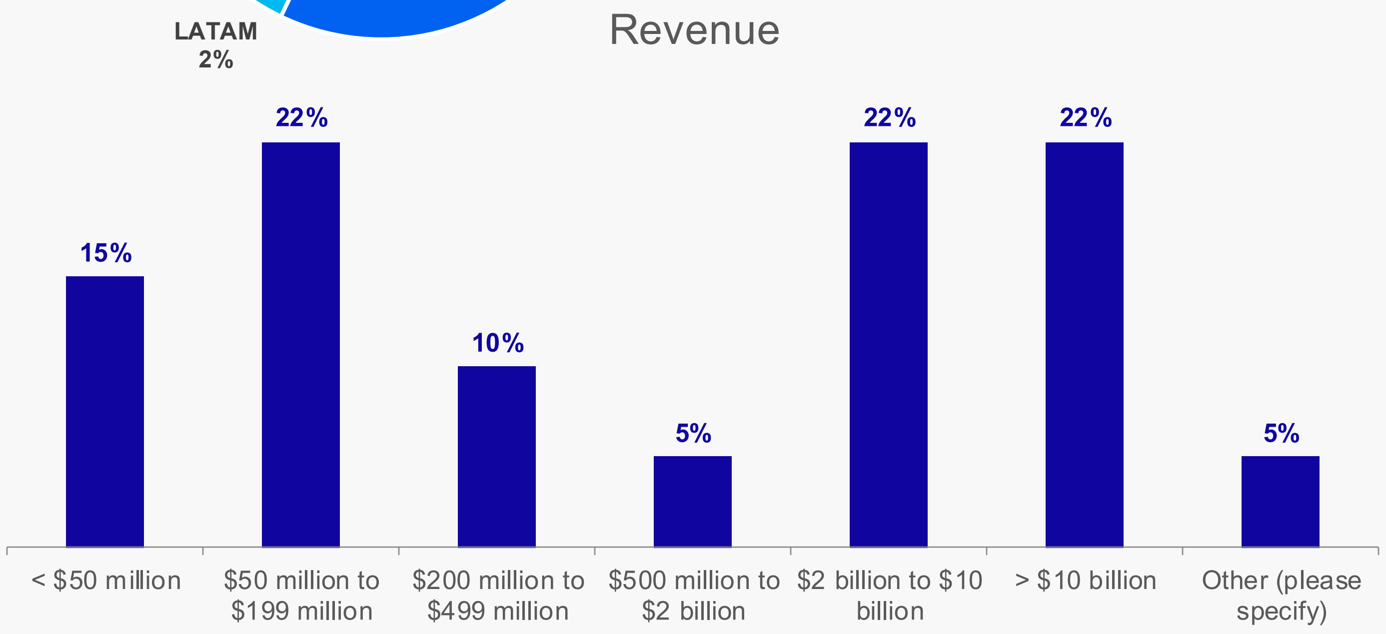
1

In May through August of 2025, SAPinsider surveyed its members about their strategies and investment plans related to enterprise integration for SAP. The survey touched on the integration maturity, top drivers for integration investment, top integration challenges, top vendors and technologies, and more.





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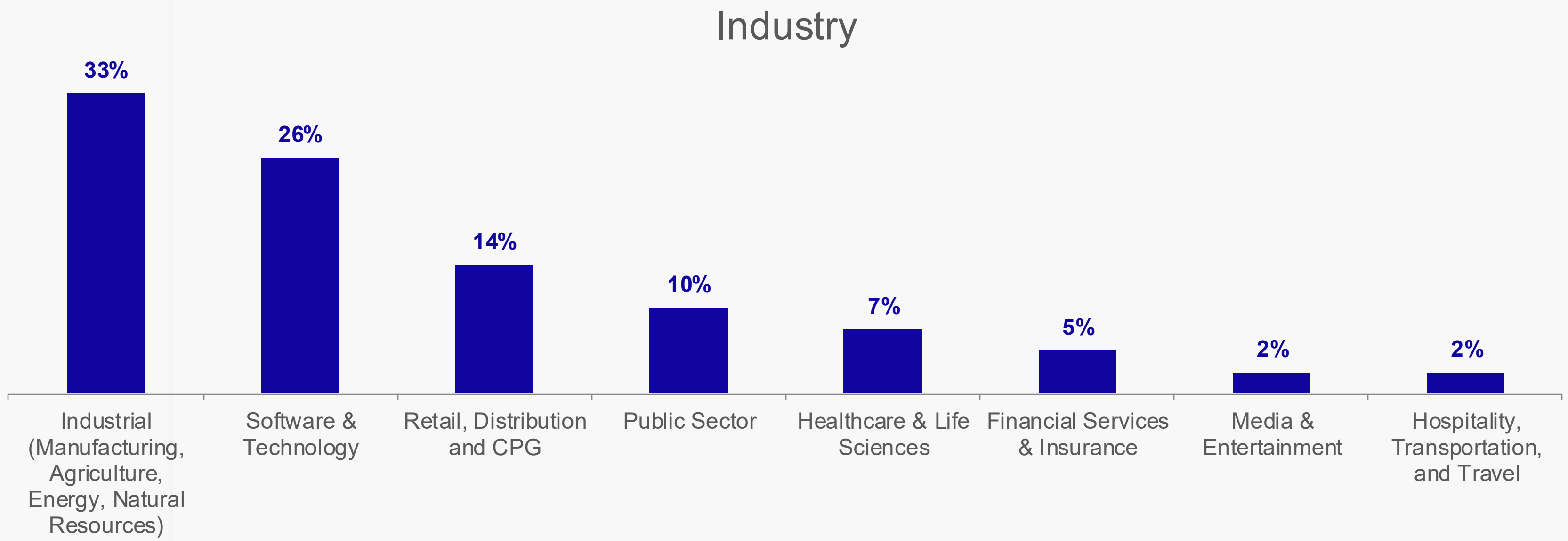
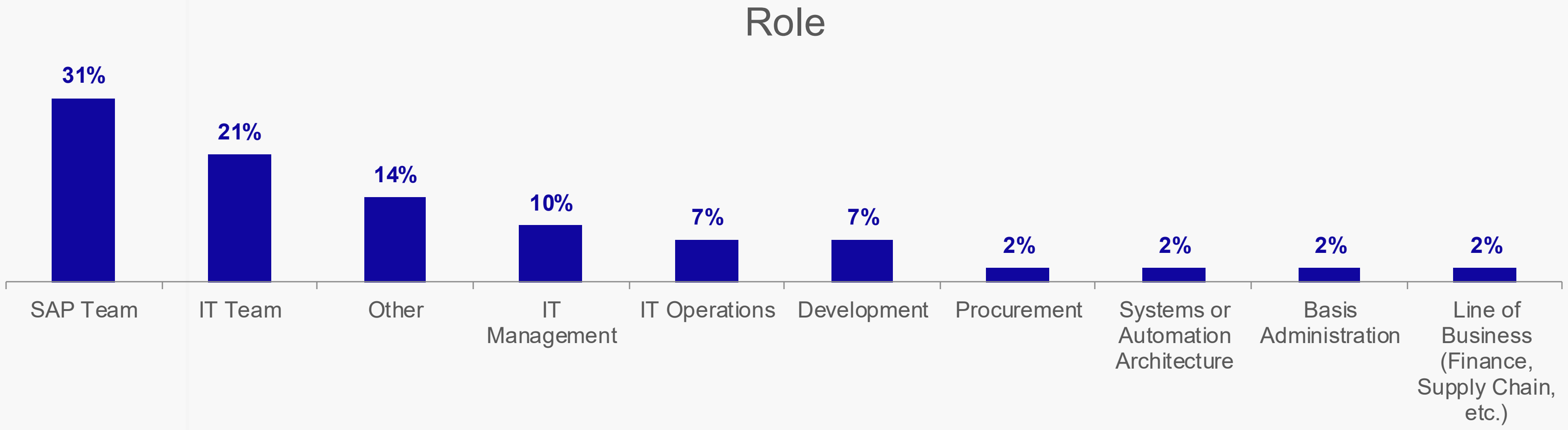
The survey featured respondents across multiple functional areas, primarily in IT and technology, as well as from varying industries.





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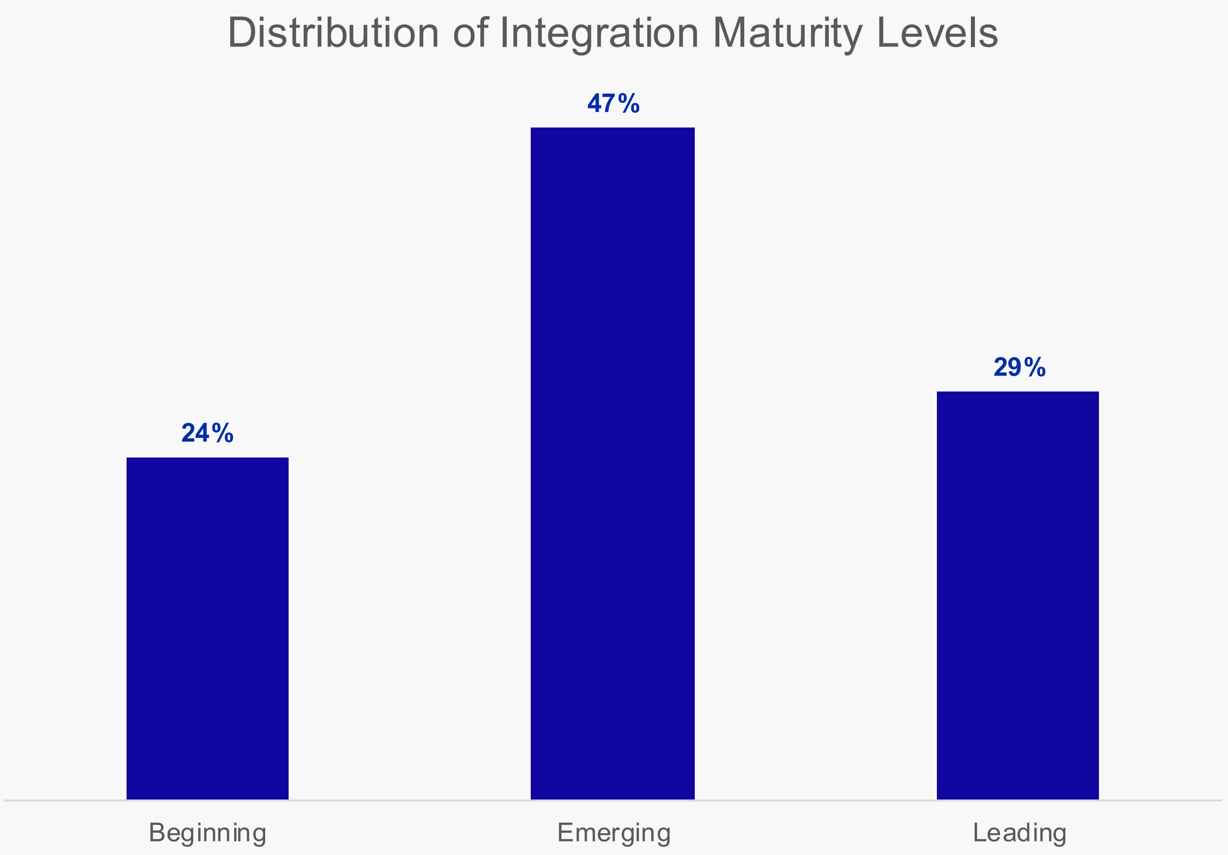
Respondents were asked a series of questions to assess the maturity of their integration strategy, then assigned a score out of 100. The average maturity score for all respondents was 70, indicating that most are trying to create a seamless and enterprise-wide integration landscape across their systems.

Those in the leading group, scoring 81 and above, are more likely to have all systems integrated with real-time data flow, and more likely to have defined, enterprise-wide integration strategies. Those in the beginning group, scoring 50 and below, have less cohesion in integrated systems and less collaboration across departments.



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As organizations mature, they have built security and compliance standards, making those factors less of a concern. Eventually, the challenges turn to building AI foundations and meeting the needs of the business. In between, they are largely concerned with legacy system integrations.

The reliance on custom code and manual data integrations dissipates as integration maturity increases, as organizations begin to adopt data lates, data warehouses, and middleware integrations.

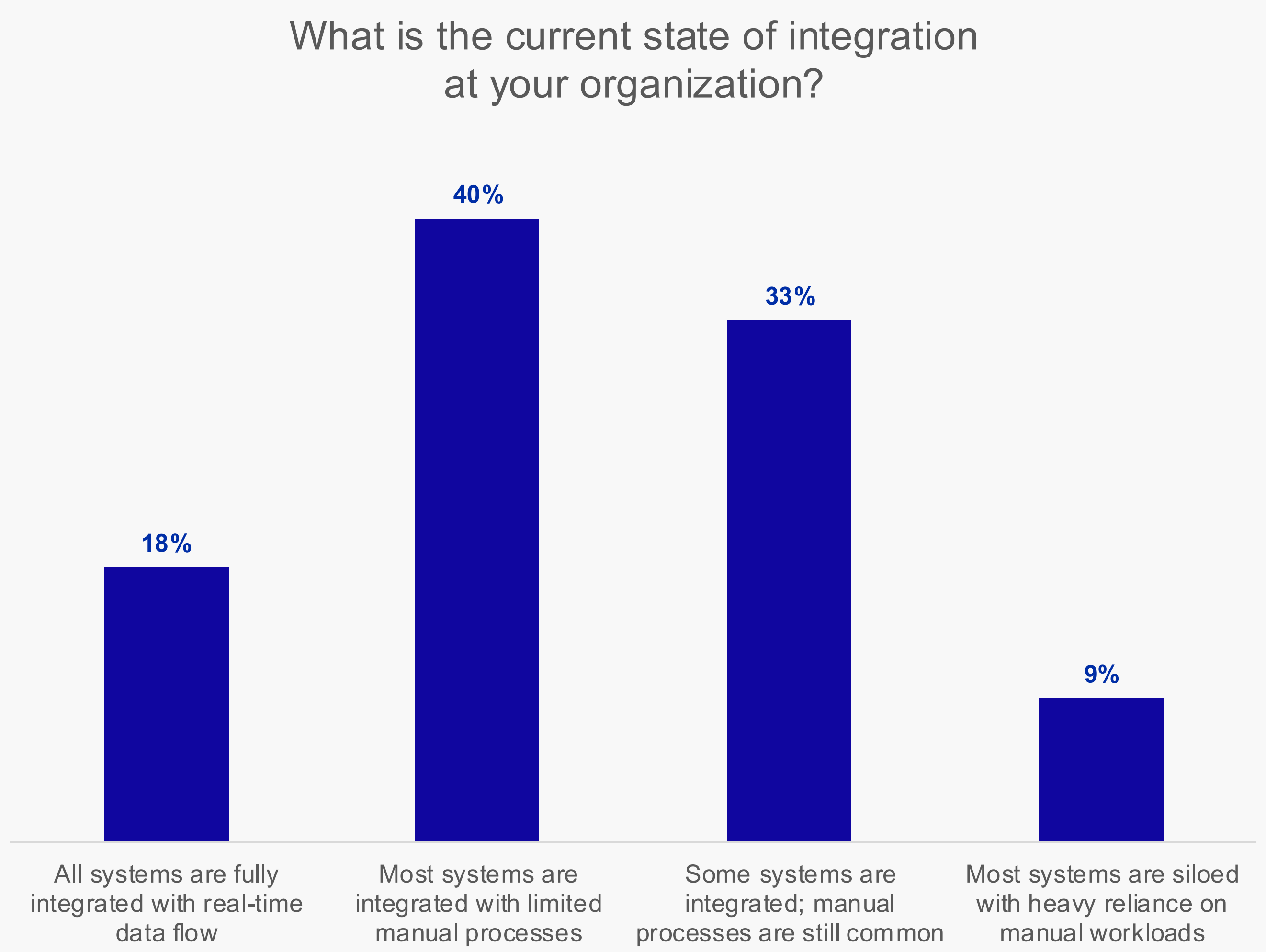
The most mature integration programs are supported by technology leaders, frequently in the C-Suite. As integration journeys begin, strategy is driven by individual project teams most often.

Beginning	Emerging	Leading
• SAP S/4HANA adoption in progress • More reliant on custom code and manual data integrations • Integration strategy somewhat meeting organizational needs • Security and compliance a major roadblock to executing integration strategy • Individual project teams frequently driving integration strategy, rare for overarching leadership	• SAP S/4HANA adoption in progress • Custom code and manual data integrations still prevalent but along with data lakes/data warehouses and middleware data integrations • Integration strategy evolving, meeting more organizational needs • Legacy system integration challenges with security and compliance still a concern for some • Director-level and below driving integration strategy, still some project-level leadership	• SAP S/4HANA more commonly in use • Utilizing data lakes/data warehouses and middleware data integrations • Integration strategy mostly meeting organizational needs • Focused more on business collaboration and integrating AI data sources, no longer facing security and compliance challenges • Tech leaders and C-Suite driving integration strategy

5

Just 18% of respondents' organizations have achieved full integration with real-time data flow between systems. More are still using manual processes in some way, with 40% having most systems integrated with limited manual processes.

However, 42% of organizations have a long way to go for full integration. One-third still commonly use manual processes with only partial integration across their tech landscape. Just under 10% continue to rely on heavily siloed systems.



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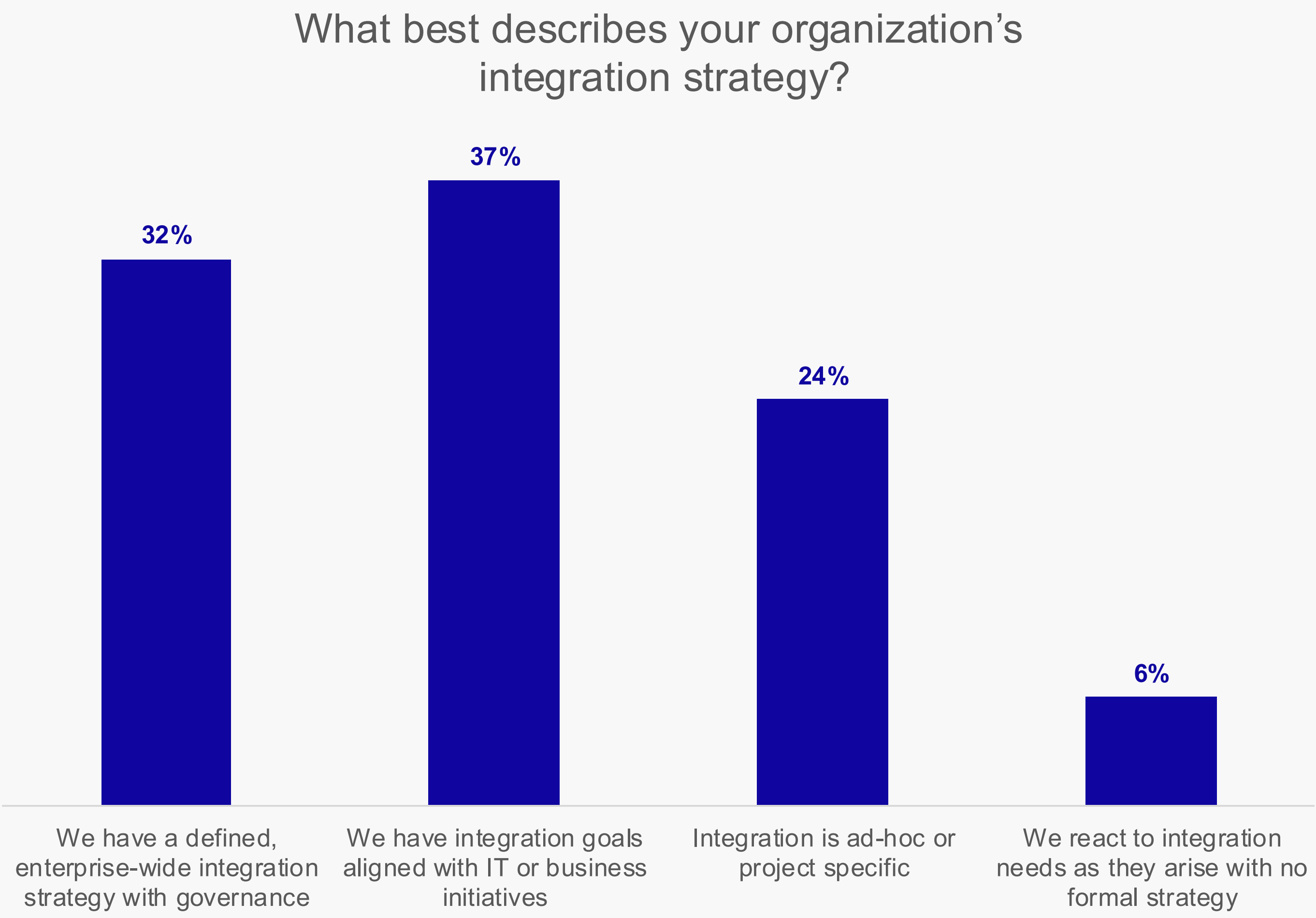
Nearly 70% of organizations in our survey have at least some level of cross-departmental strategy and alignment on integration. The small number that merely react to integration needs without a formal strategy are at risk of falling behind, as their teams have little insight into how information moves and connects across the enterprise. Those that are functioning with ad hoc or project-specific integration strategies are likely to struggle with reporting across departments.



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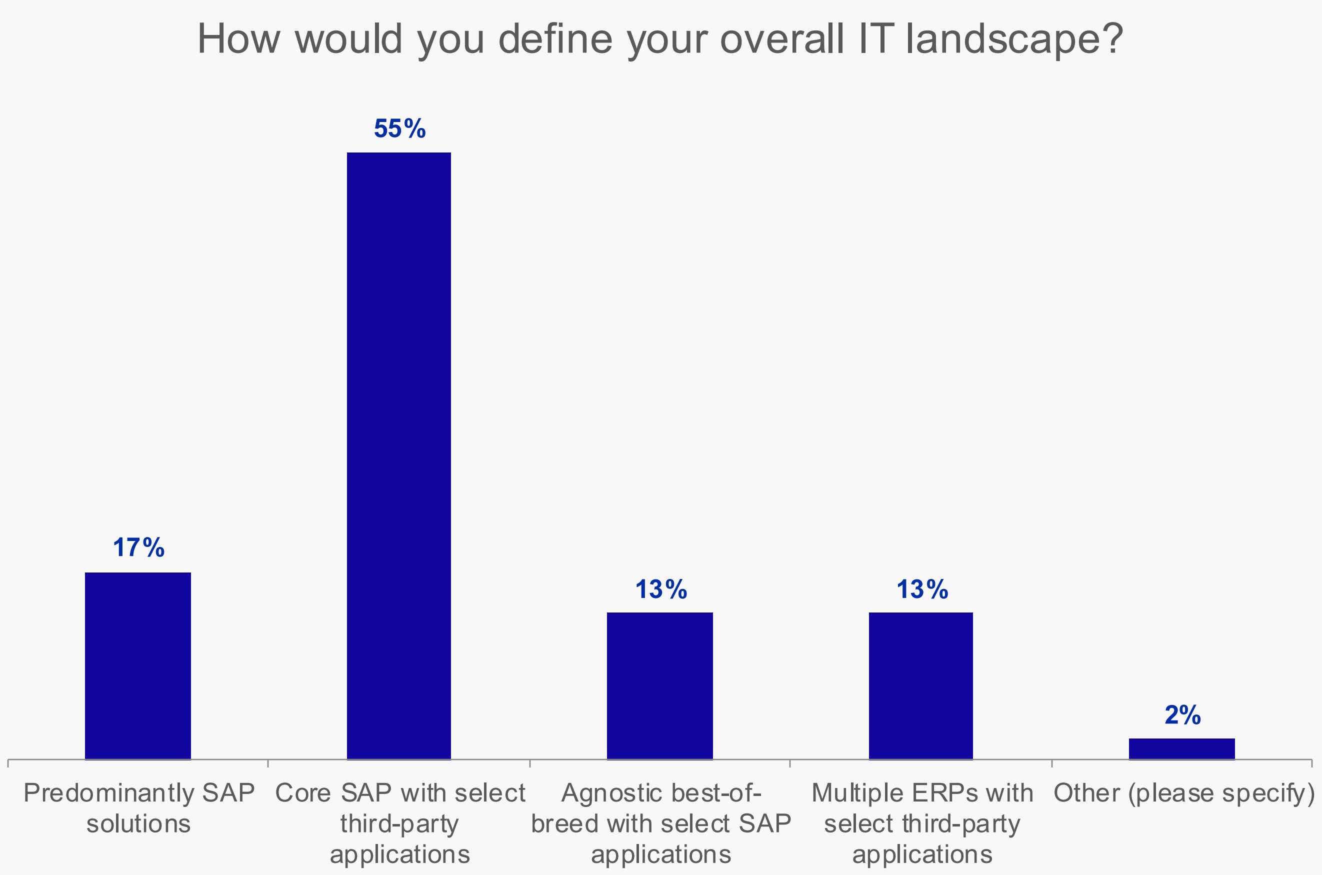
The majority of respondents in our survey indicated have an IT landscape with core SAP and select third-party applications. Just 13% are taking an agnostic best-of-breed approach to applications, while 17% are predominantly using SAP solutions.

While the concept of a composable ERP environment with SAP systems has not yet been fully realized, with 81% of organizations moving away from predominantly SAP environments it is clear that many organizations are moving towards this approach.



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On average, respondent organizations in our survey are integrating 36 applications with SAP solutions while utilizing more than four integration tools. The typical landscape necessitates a substantial number of integrations, underscoring the importance of enterprise-wide integration strategies, but also reflecting the fact that organizations may still be relying on some tools for on-premise integrations while using others for cloud-based or hybrid environments.

Average Number of Applications Integrated with SAP Solutions

35.7

Average Number of Integration Tools in Use

4.5

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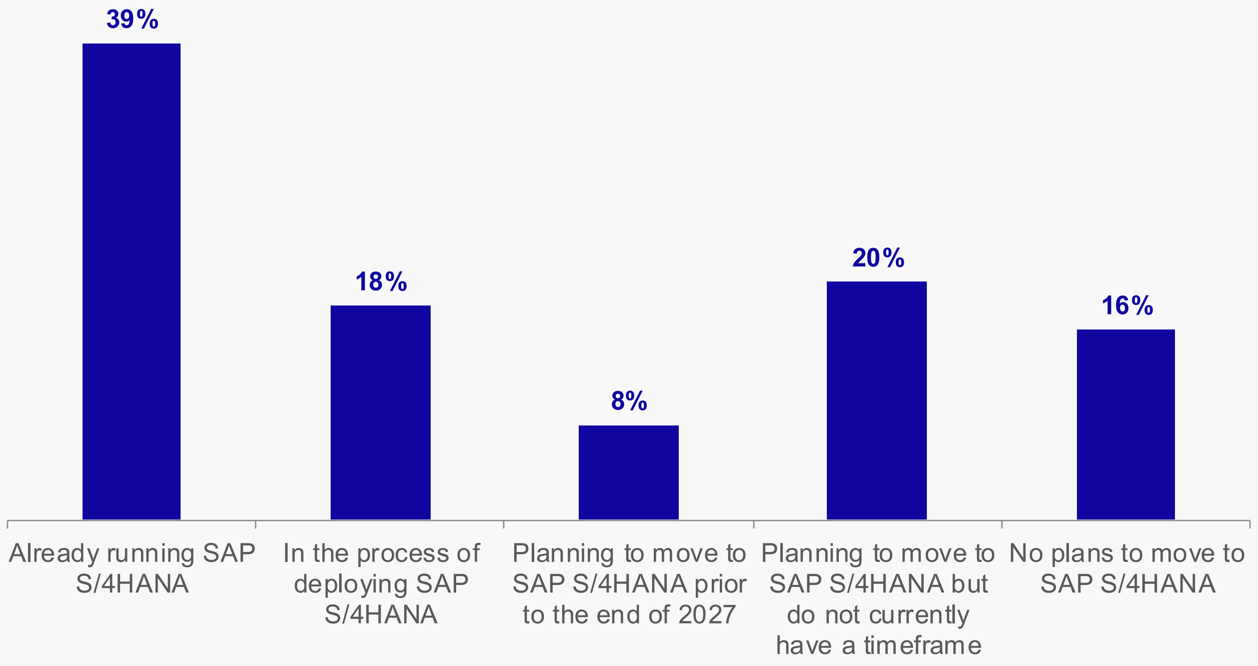
A plurality of respondents are currently running SAP S/4HANA, while close to one-fifth are in the process of deploying the ERP system. Over one-third either don't have a timeline for moving to SAP S/4HANA or have no plans to move. This reflects the fact that organizations are realizing that the 2027 date may not be achievable and are now having to re-evaluate plans and establish new timelines.

Where is your organization with the move to SAP S/4HANA?



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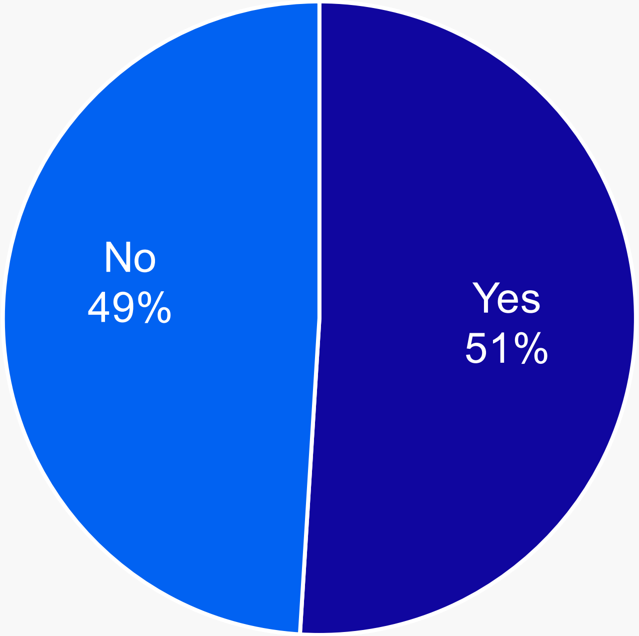
Respondents are split on whether their SAP S/4HANA plans have impacted their integration strategy. This indicates that even some of those that are currently implementing or have already implemented SAP S/4HANA don't see it having a direct impact on their integration strategy.

Have your SAP S/4HANA plans impacted your integration strategy and investments?



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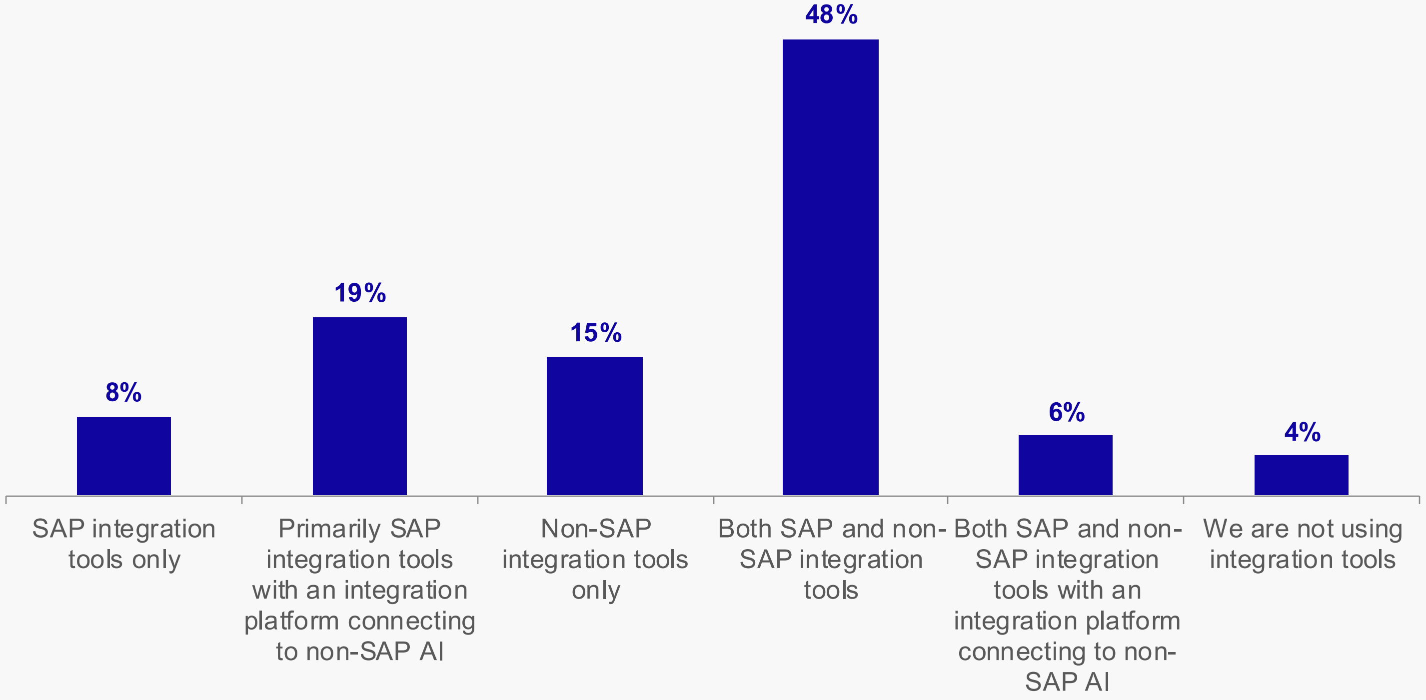
Most organizations are using a combination of SAP and non-SAP integration tools. Respondents are nearly twice as likely to use Non-SAP integration tools exclusively against those using SAP integration tools only.

A quarter of respondents indicated using an integration platform connecting to non-SAP AI as part of their toolset.

What type of integration tools is your organization currently using?



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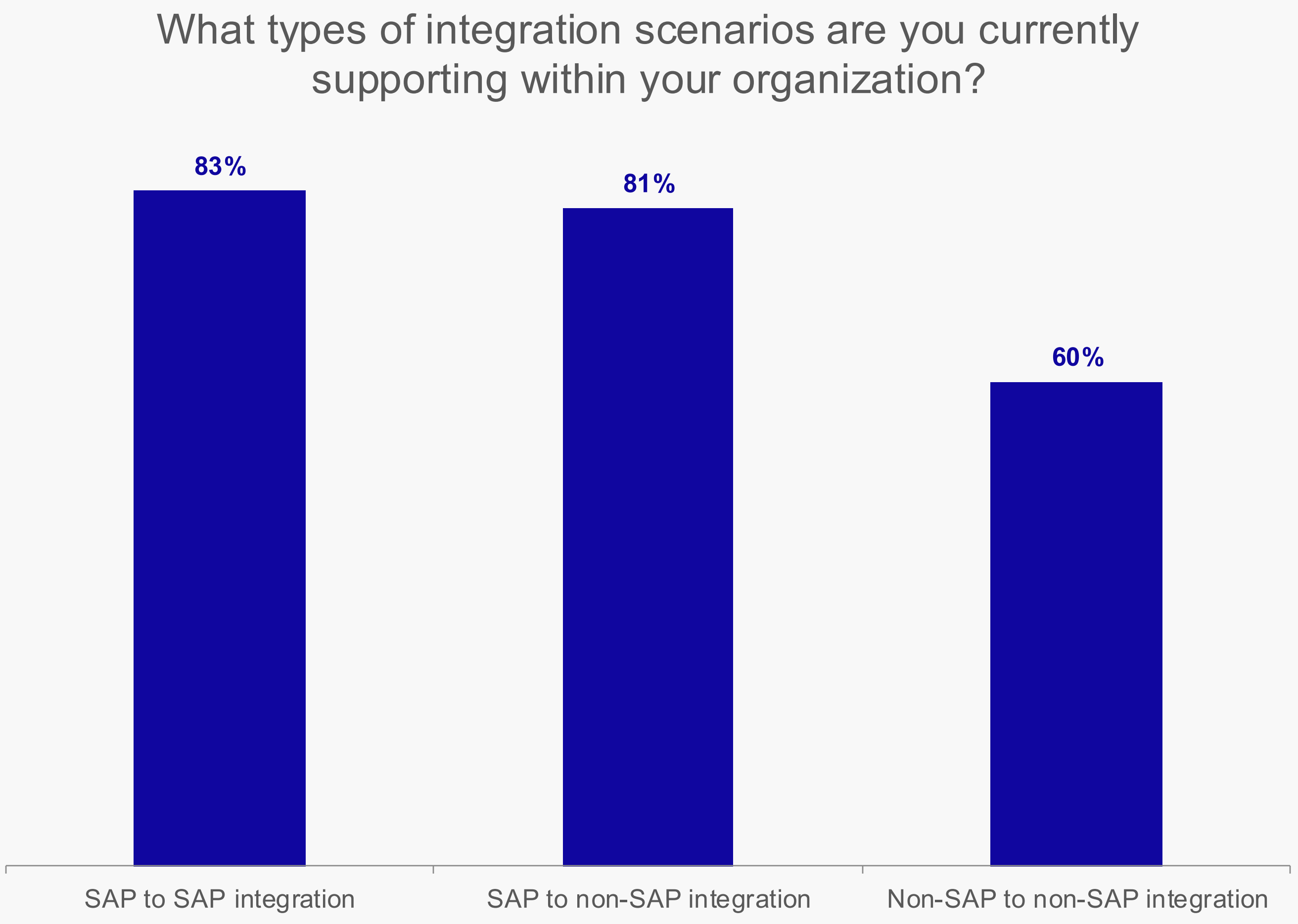
Both SAP to SAP and SAP to non-SAP integration scenarios are very common among respondents' organizations, with a majority also supporting non-SAP to non-SAP integrations. This highlights the need for integration tools that can integrate across vendor applications.



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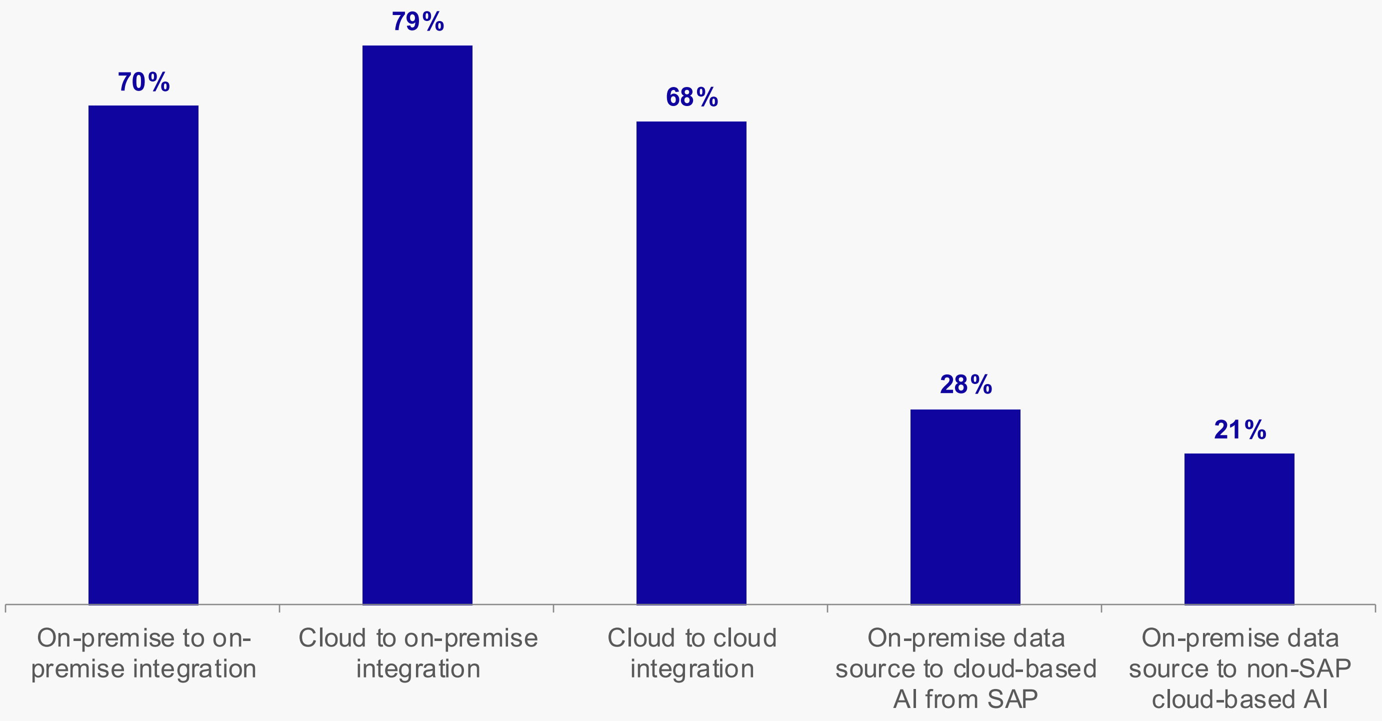
The vast majority of organizations need both integration tools that can support on-premise to on-premise integrations, cloud to on-premise integrations, and cloud to cloud integrations. This indicates that hybrid landscapes continue to be the most common scenario for those running SAP landscapes.

Just over a quarter of respondents are looking for integration tools that support connecting on-premise data sources to cloud-based AI.

What types of integration do your integration tools need to support?



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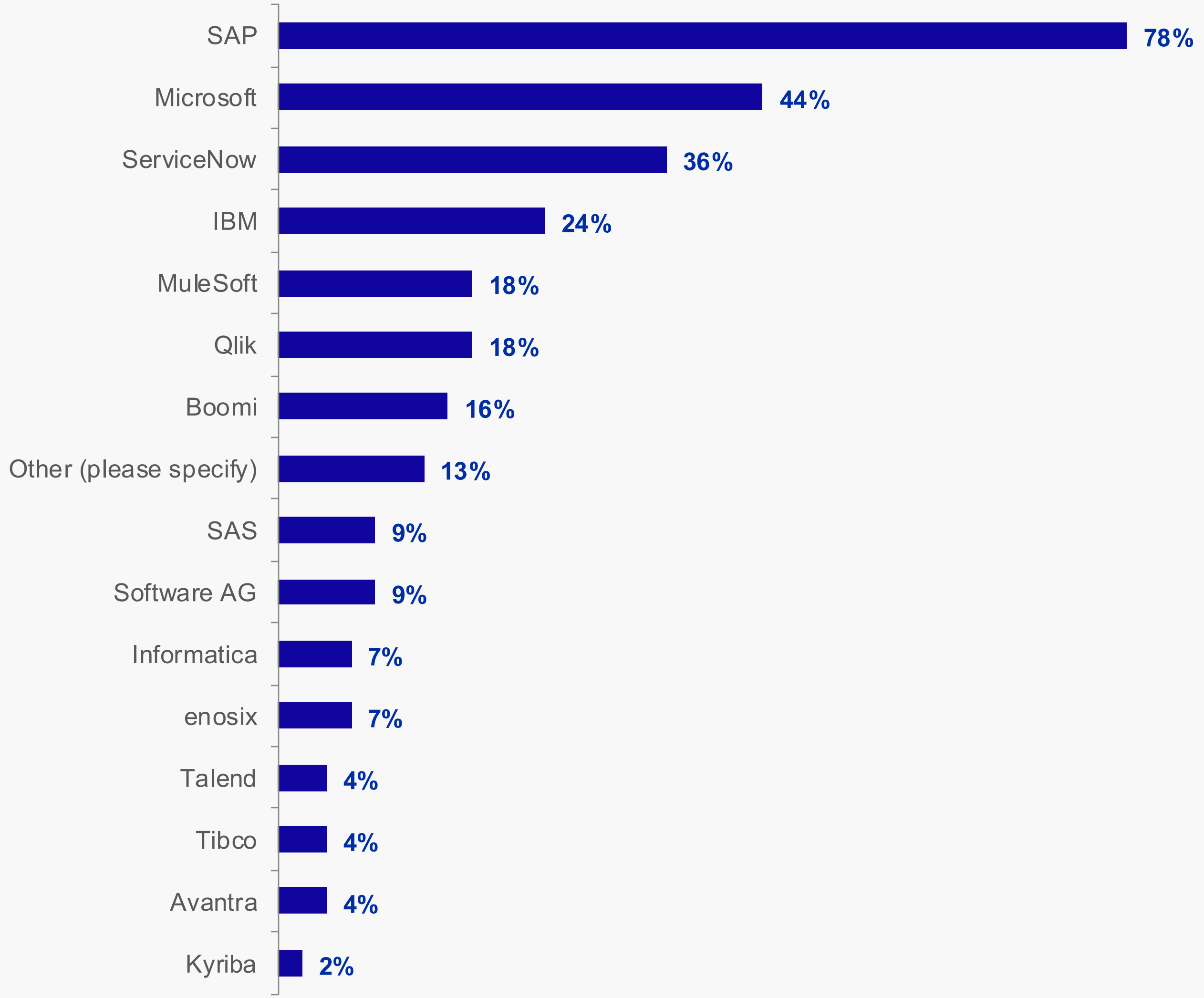
SAP integration solutions are very common among respondents' organizations, with this number likely boosted by those still running legacy integration solutions such as SAP Process Integration and Process Orchestration. Microsoft and ServiceNow are the next most common, likely due to the use of applications from those vendors.

MuleSoft and Boomi are the top integration specific vendors on the list, while analytics providers Qlik and SAS indicate the usage of those apps and the need for specific integrations to provide data for analysis.

From which vendors is your organization currently using integration solutions?



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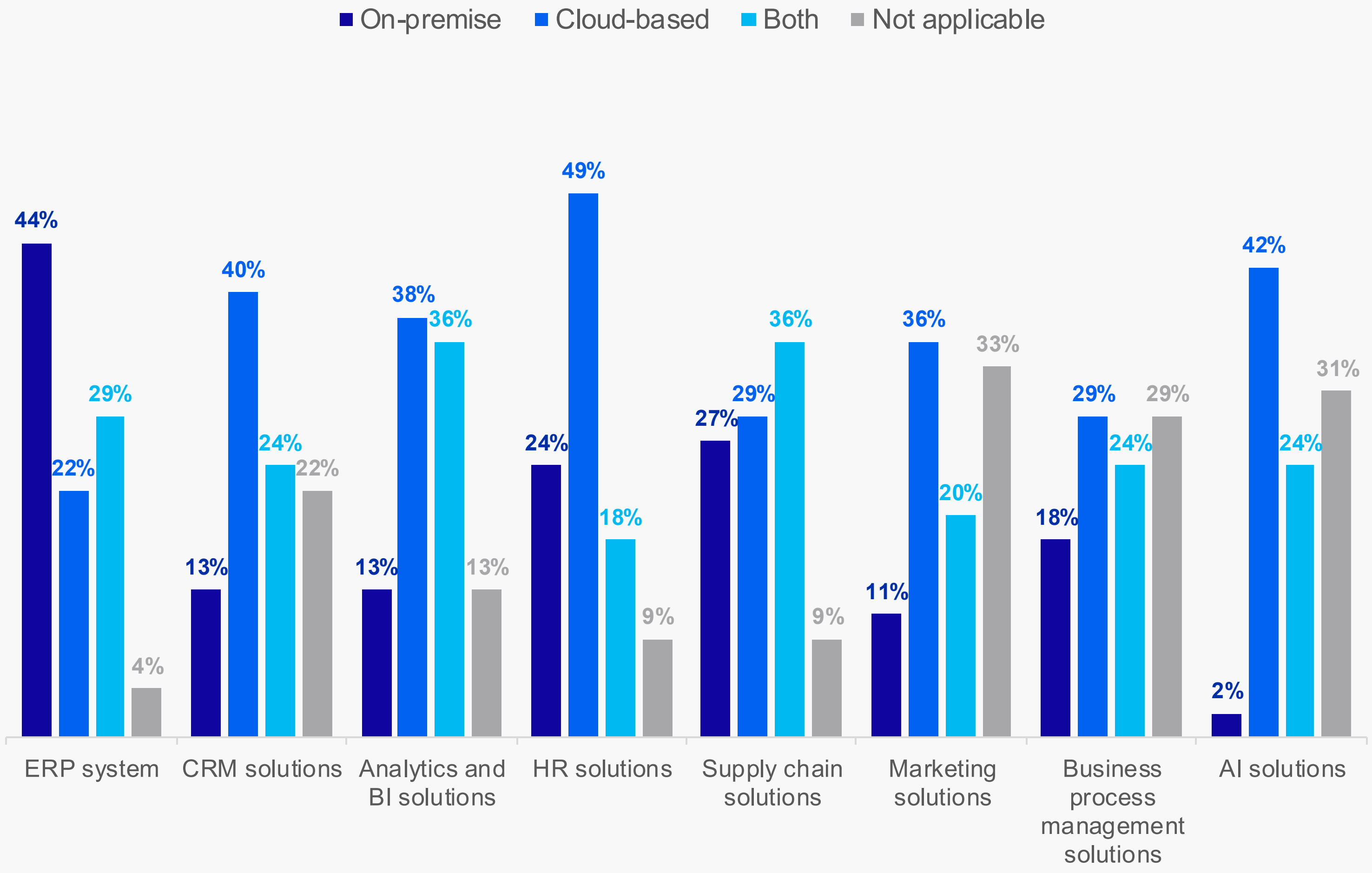
ERP systems are most often deployed on on-premise data repositories, while complementary line-of-business applications are more often connected to cloud-based data repositories. AI solutions are overwhelmingly connected to cloud-based data repositories.

Where are the underlying data repositories located for your enterprise systems?



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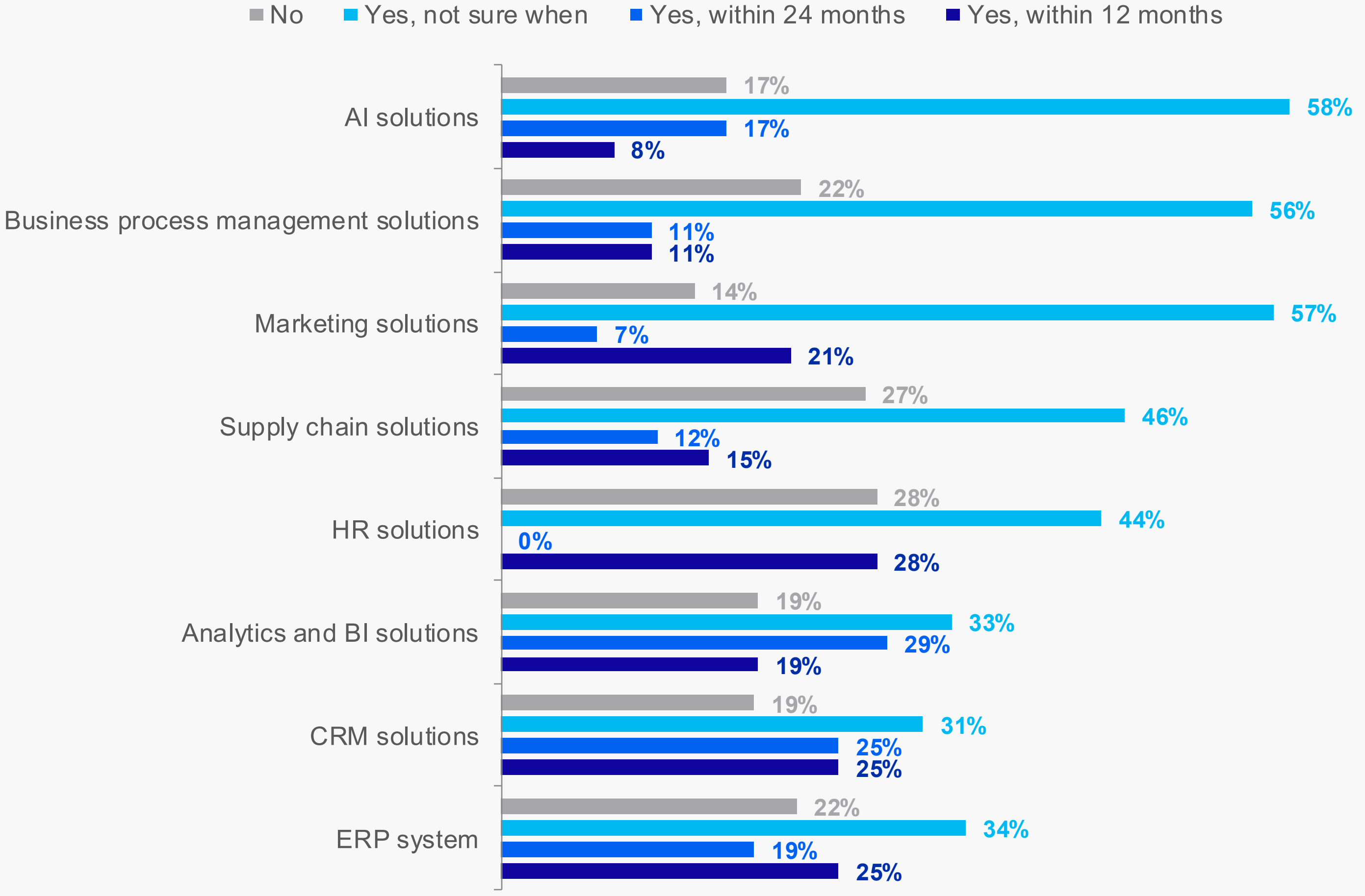
Most organizations plan to move their on-premise data repositories to the cloud at some point, even for ERP. However, timelines for migrating the data repositories to the cloud for AI, business process management, and marketing most often do not have a timeline likely because the majority of these data repositories are already cloud-based.

Do you plan on moving any of the on-premise data repositories you identified in the last question to the cloud?



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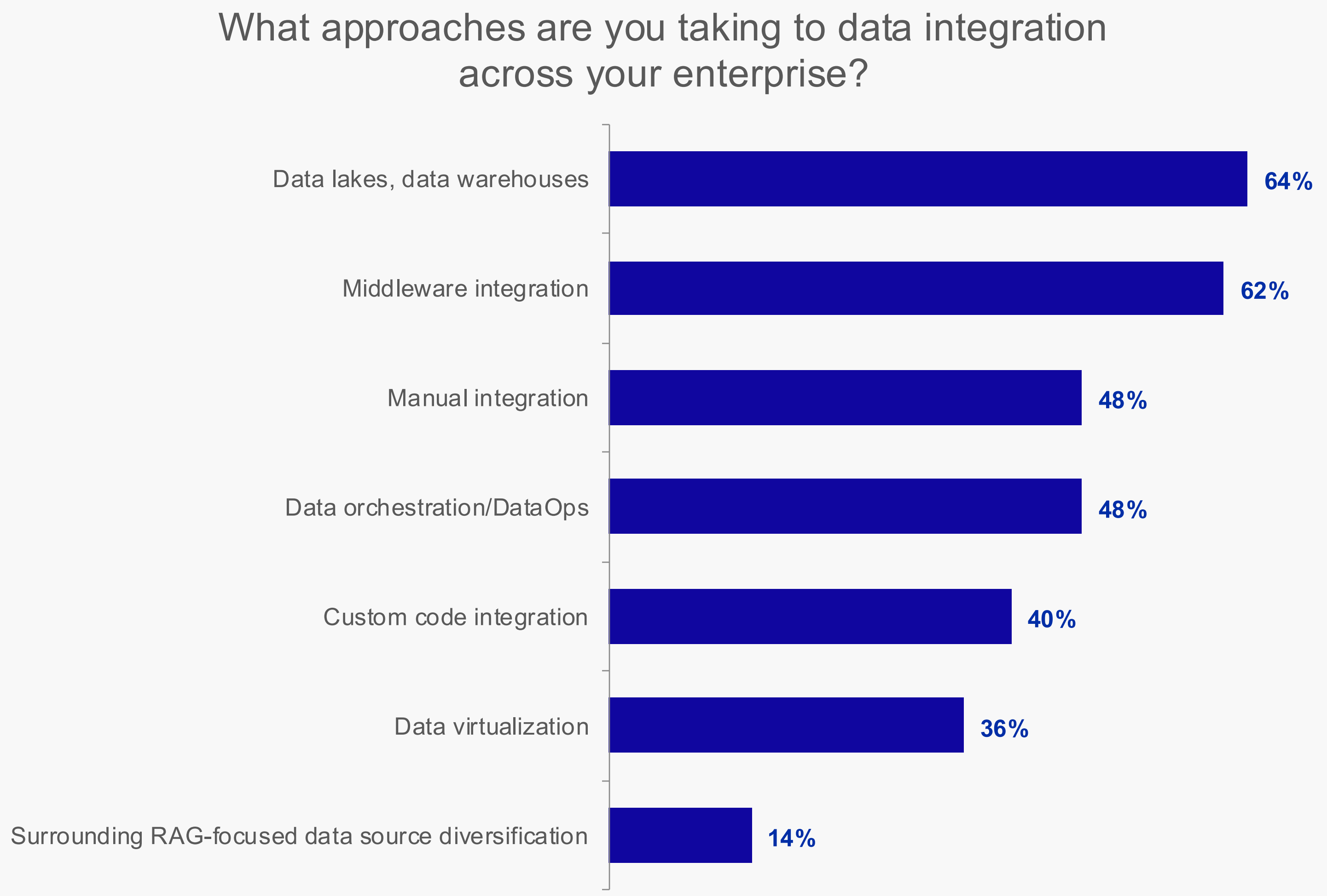
When it comes to data integration, companies are using multiple approaches to move information through their systems.

Nearly two-thirds of respondents utilize data lakes, data warehouses, and/or middleware integration to approach data integration across their enterprises.

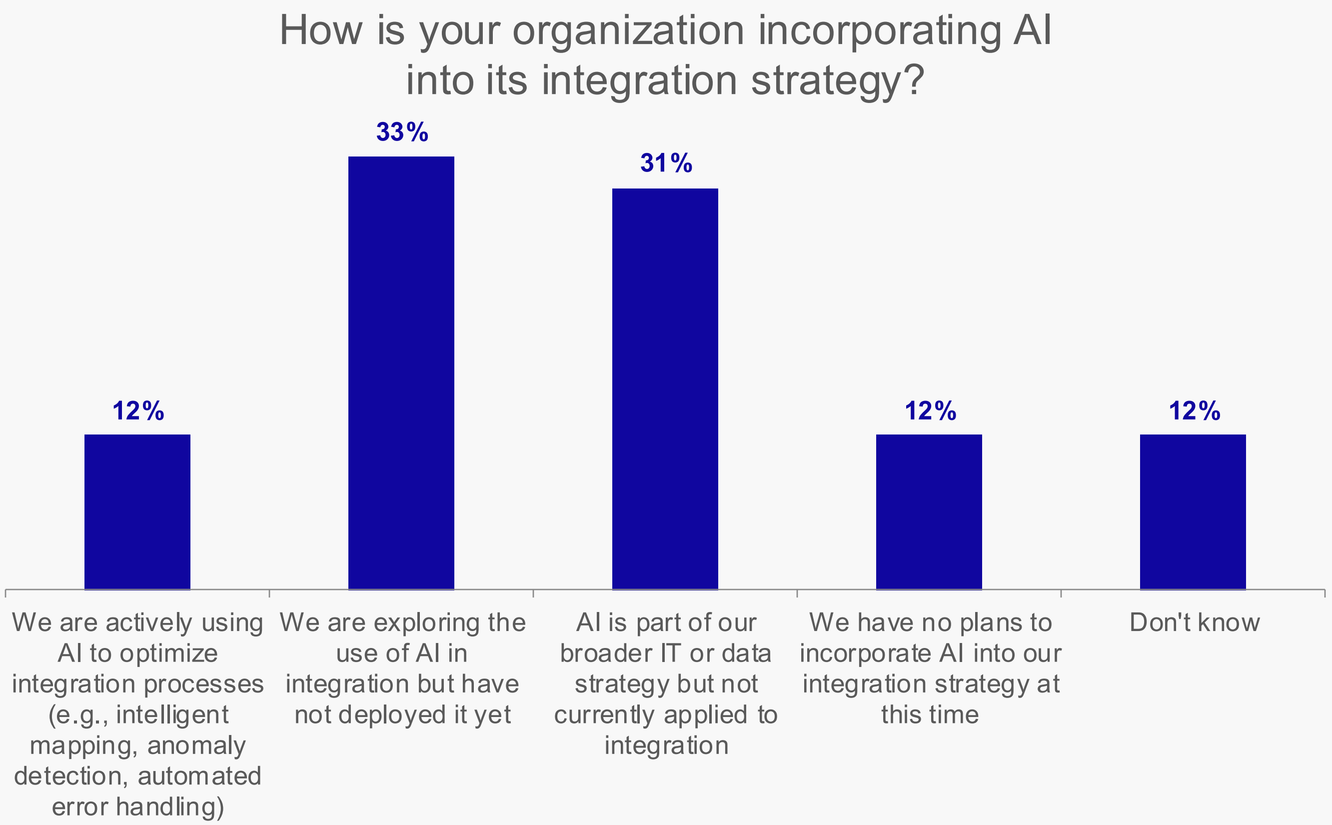
While nearly half the respondents report their organizations are using data orchestration or DataOps, just as many are continuing to rely on manual integration to move data across the enterprise.



18

A small number of respondents are currently using AI to support integration, with a third exploring the possibility. Close to another third are using AI in other areas of the business but have not yet considered applying it to integration, while 12% say they have no plans to incorporate AI into their integration strategy.

These numbers indicate that, while organizations are exploring AI or it is part of their strategy, it is early days for using AI as an integration tool.

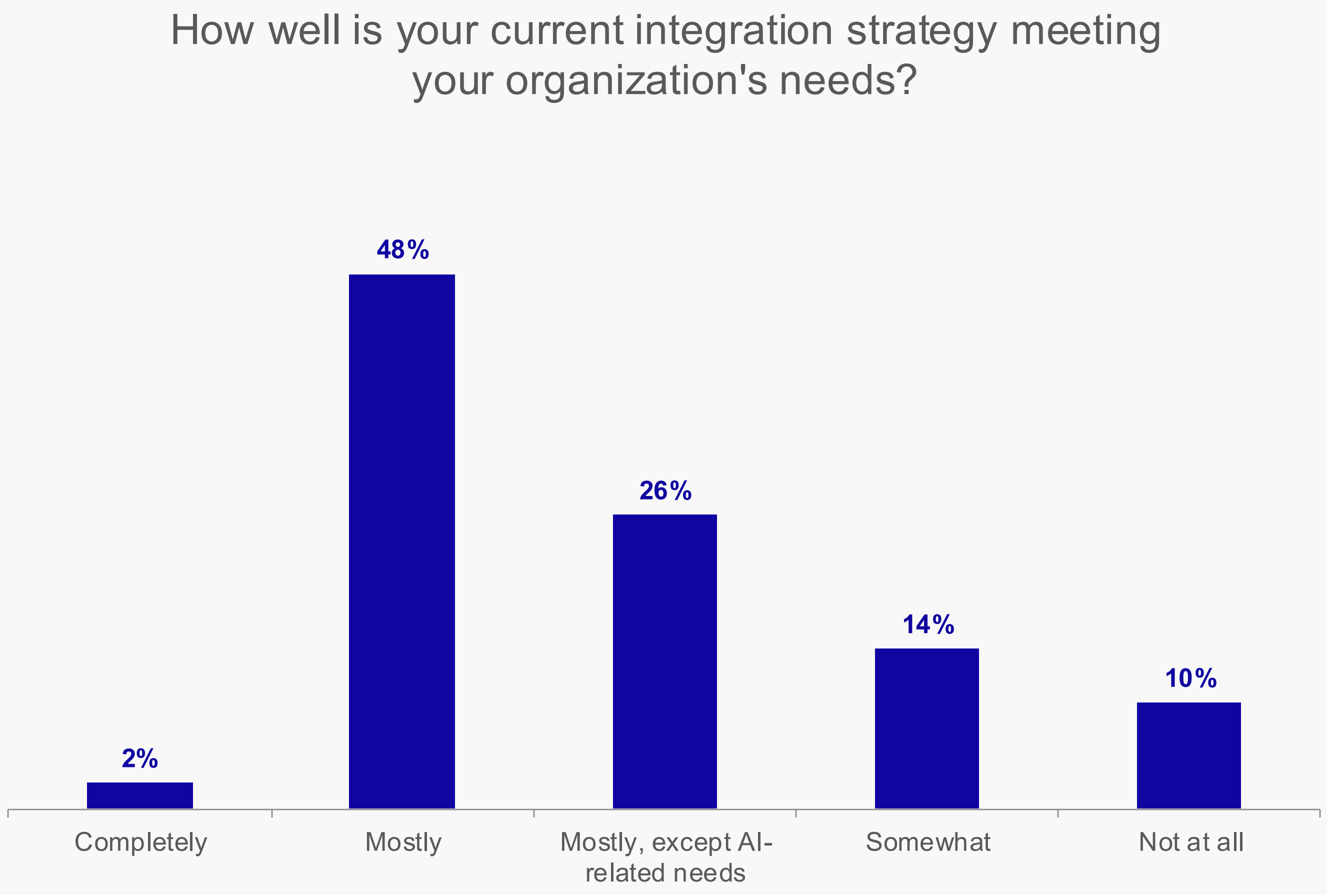


19

It is rare that a respondent indicated that their integration strategy is completely meeting their organization's needs. In fact, it is five times more likely that their current integration is not meeting needs at all.

However, three-quarters of respondents say that their strategy is mostly meeting their organization's needs, with 26% saying AI-related needs are the exception.

This indicates that there is still room for improvement in integration at nearly every organization.

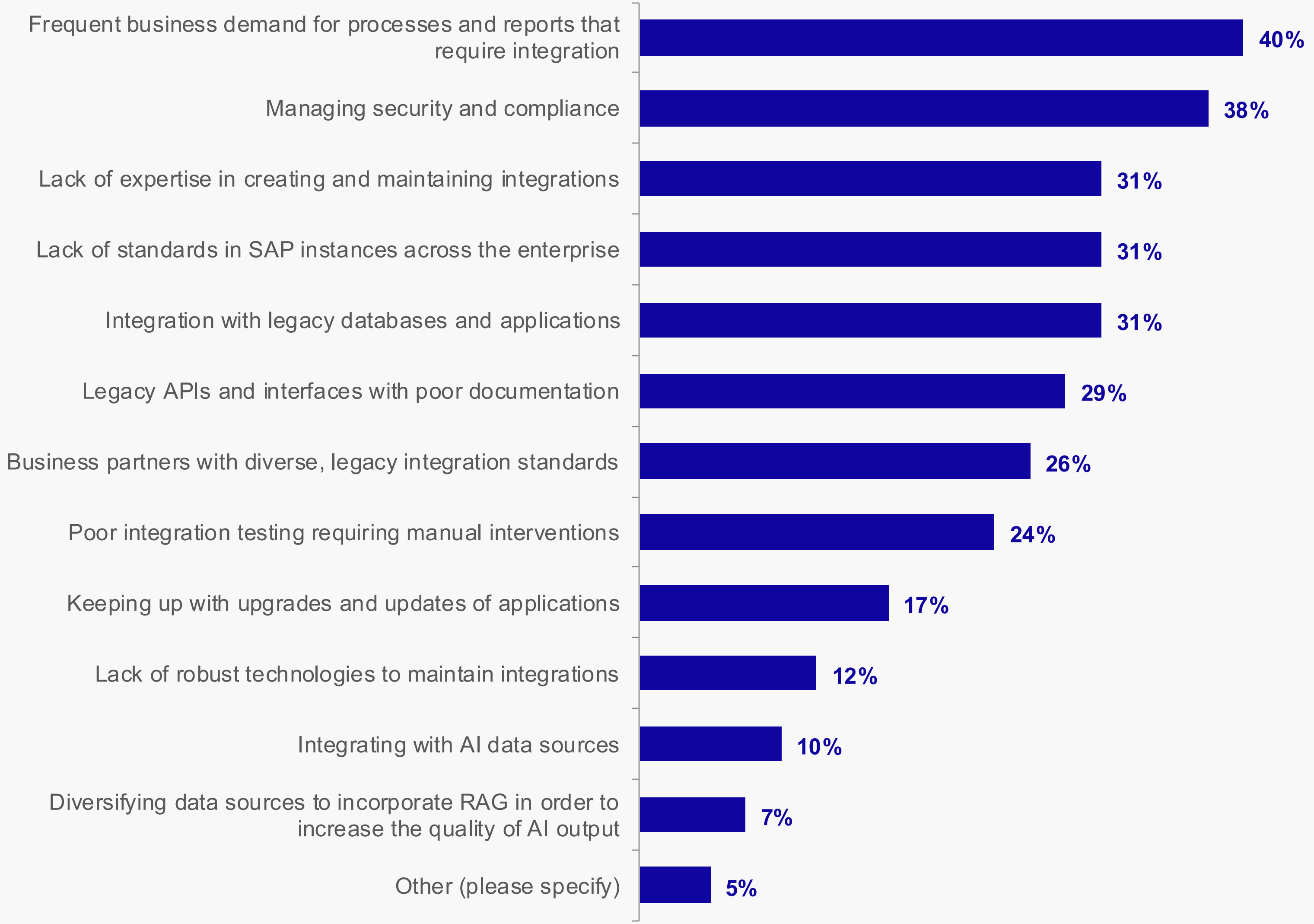


20

Respondents' organizations are facing a wide variety of integration challenges, with frequent business demand for reports that require integration and managing security and compliance as the top issues.

The data indicates that integration is a complicated issue at most organizations, with many challenges are hurdles to overcome.

What are your biggest challenges with integration today?



DART
MODEL FRAMEWORK

Strategy and needs for enterprise integration

DRIVERS

- Business demand for seamless and flexible business processes (60%)
- Connectivity of integration platforms to AI applications, data sources and business processes (30%)
- Data increasingly stored across diverse global locations and cloud (24%)
- Integrated experiences and analytics across channels (website, device, voice) (24%

ACTIONS

- Implementing integration strategy across cloud and on-premise SAP and non-SAP systems (64%)
- Assessing integration requirements and capabilities across landscape to identify solutions (47%)
- Implementing enterprise-wide data consolidation solutions (44%)
- Exploring low-code/no-code options to enable faster integration and self-service analytics (42%)

REQUIREMENTS

- Information security and security in transit (65%
- Platforms with integrated security and compliance capabilities (63%)
- Strong governance and monitoring (52%)
- Integration of SAP and non-SAP solutions (47%)

TECHNOLOGIES

- Electronic Data Interchange (EDI) (54%)
- Custom integrations and adapters (39%)
- API management and service orchestration (30%)
- Real-time data synchronization (30%)
- Passwordless authentication (28%)
- Enterprise Integration Platform-as-a-Service (EIPaaS) (22%)
- SAP Integration tools (API Hub, Integration Suite, Event Mesh) (22%)

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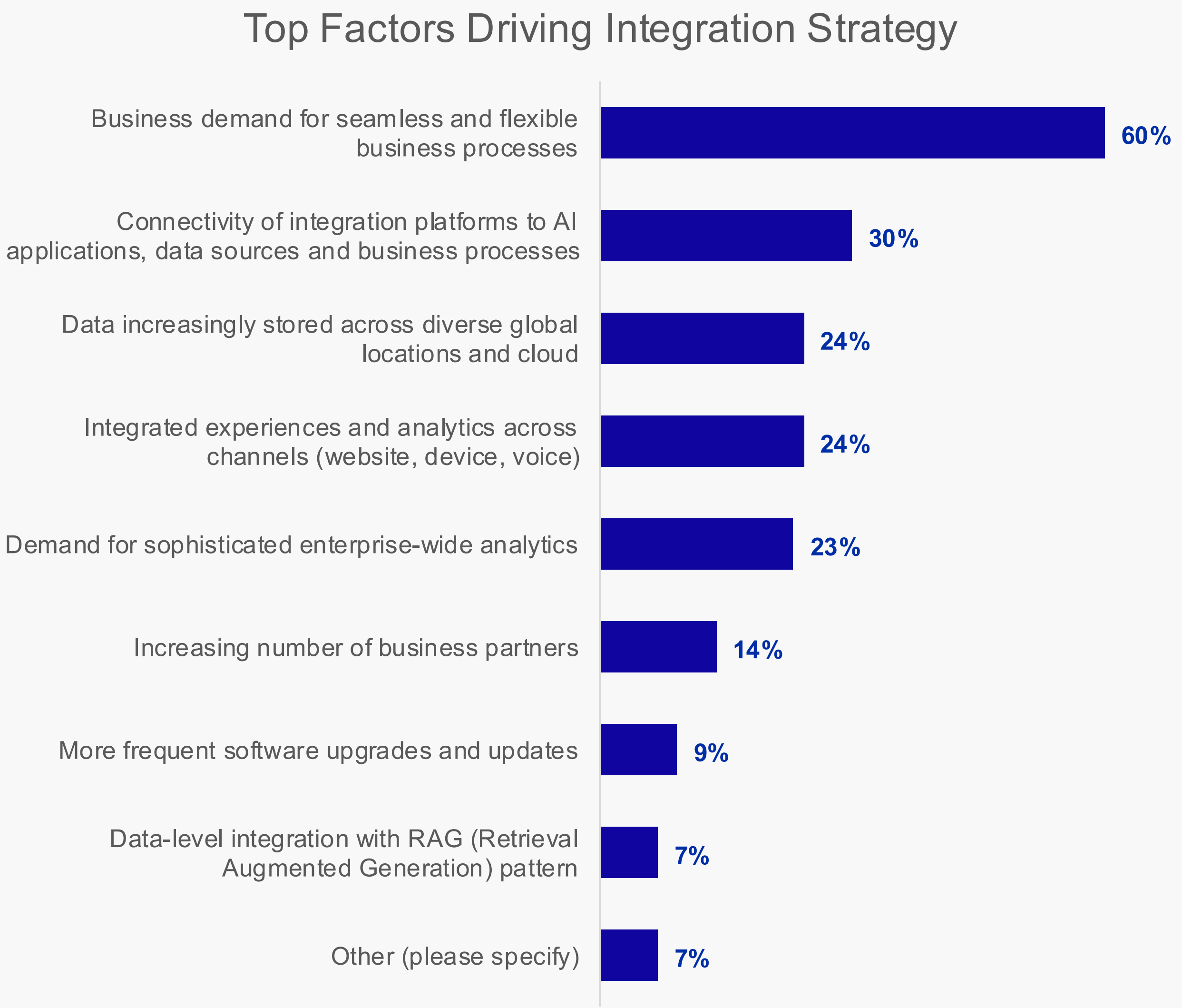
Demand from the business for seamless and flexible processes is the biggest factor driving integration strategy among respondents, cited twice as often as the next most common driver of connectivity of integration platforms to AI applications, data sources, and business processes.

This indicates the importance of collaboration between IT and the business in building an integration strategy.



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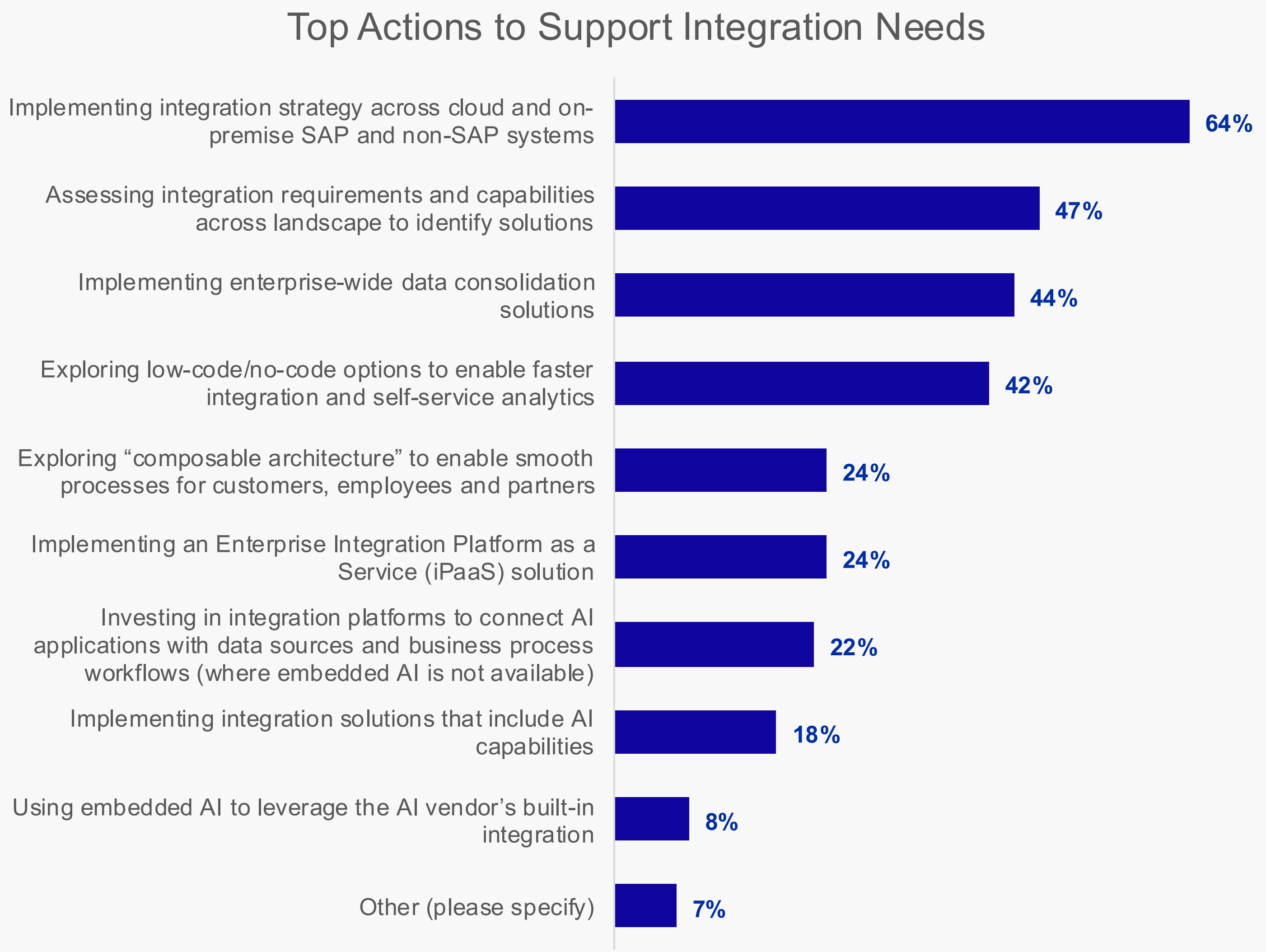
The most common action to support integration is to implement a strategy for cloud and on-premise systems, whether they are SAP or non-SAP. This is another indicator that hybrid IT landscapes continue to be used for at least the short term.

Other actions that respondents' organizations are taking include assessing requirements and capabilities, implementing data consolidation solutions, and exploring low-code and no-code integration options.



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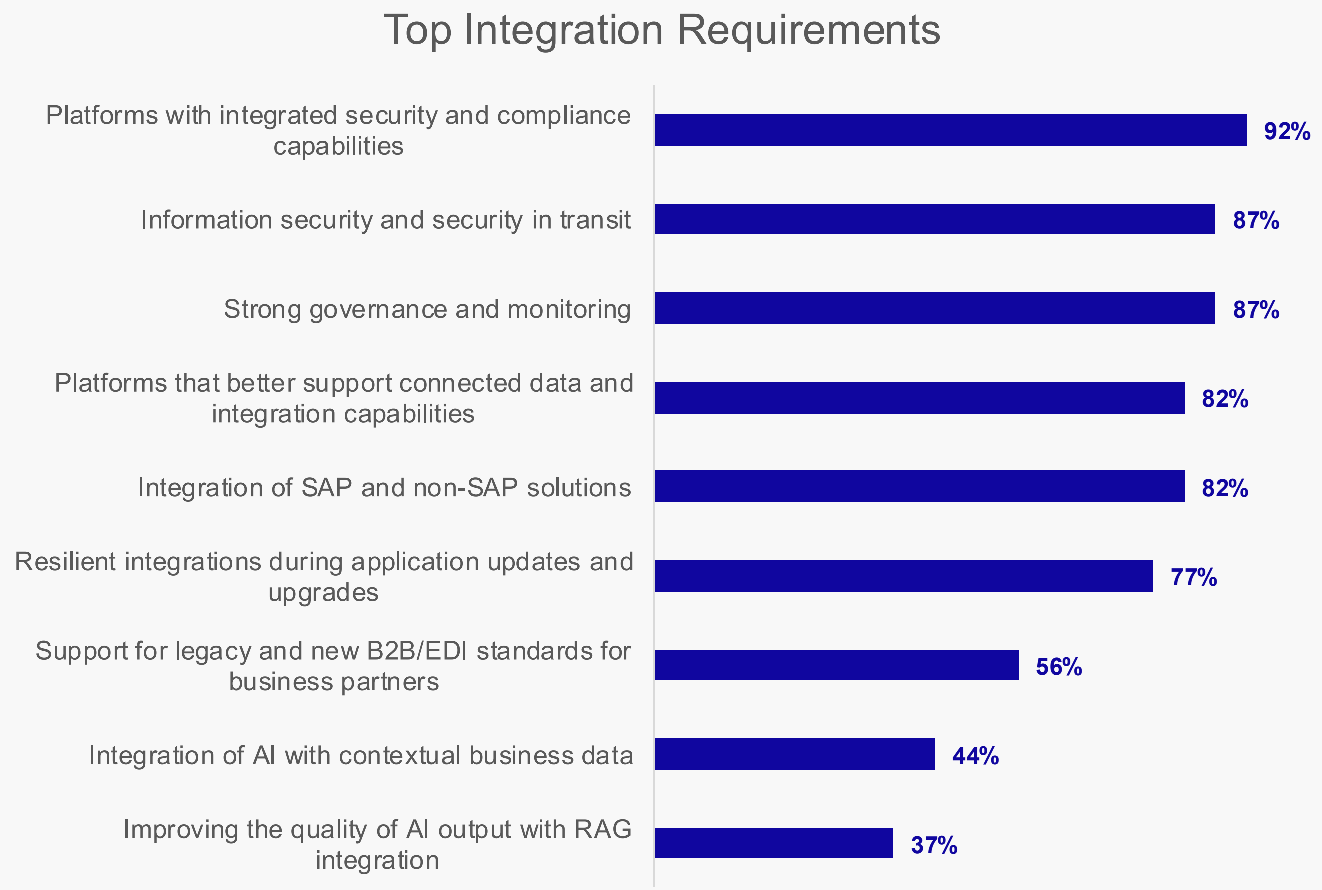
Security, governance, and compliance are the major requirements for respondents when it comes to implementing integration strategies and technology, even outpacing the actual integration capabilities themselves.

Companies are clearly concerned with exposing their critical data as it moves between systems and often in the cloud.



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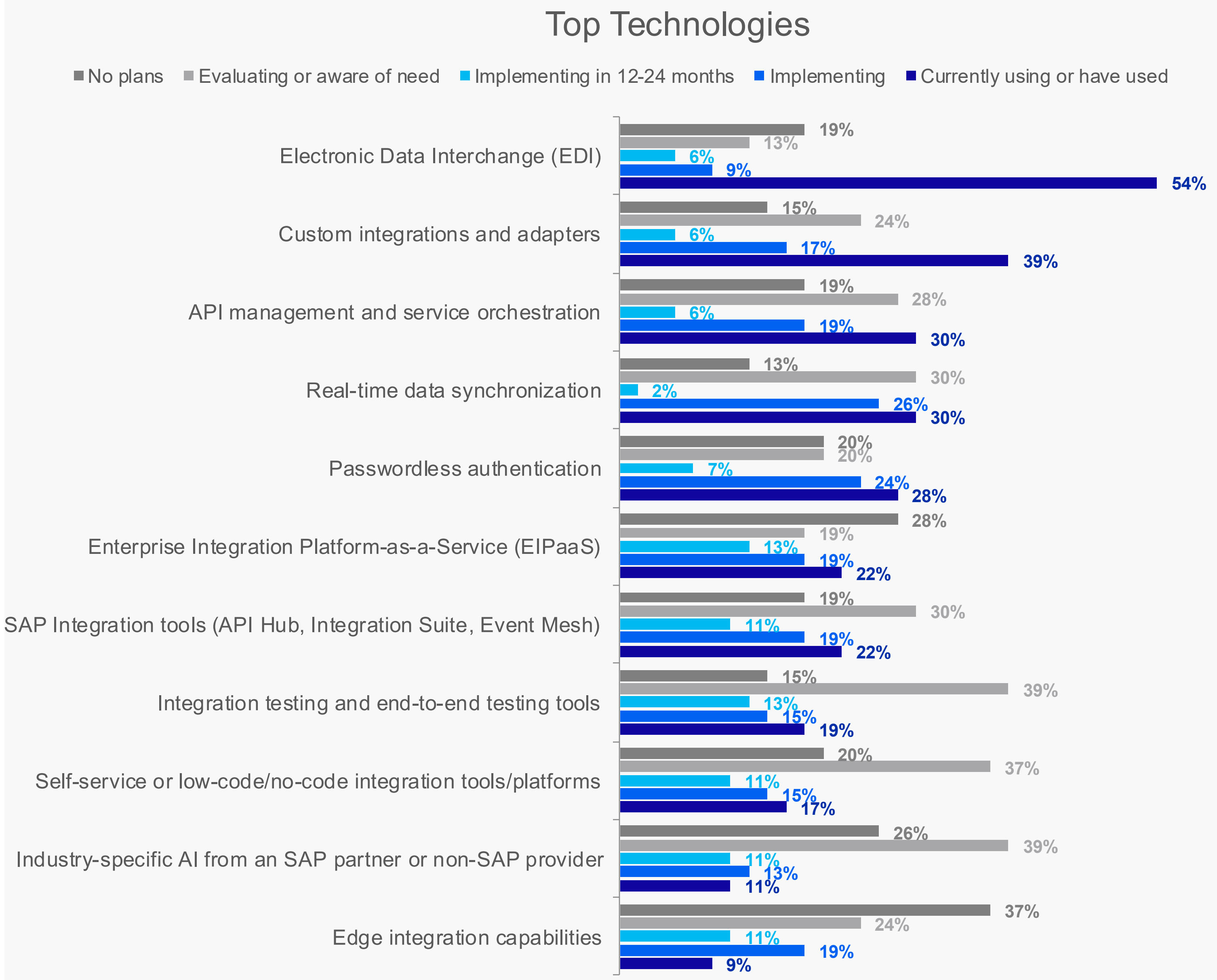
Electronic Data Interchange (EDI) is the most frequently used integration technology among our respondents, followed by custom integrations and adapters, API management and service orchestration, then real-time data synchronization.

More modern integration tools are not as frequently used, with Enterprise Integration Platform-as-a-service, edge integration capabilities, and self-service or low-code and no-code tools still in the early stages of adoption.



THANK YOU

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