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KPMG Connected Enterprise | Technology

Striving to remove the complexity from enterprise integration to help accelerate your success

As enterprises continue their digital transformation journeys, their biggest challenge is data integration.

With business units moving too fast for traditional integration strategies, lack of middleware support for new integration design patterns, and a lack of standards for how interfaces are designed, developed and supported, digital transformation is proving elusive for many organizations.

The average enterprise spends approximately **$3.5 million** per year on integration-related IT labor costs.	On average, organizations generate **27%** of their revenue from APIs and related implementations.	Only **18%** of organizations say they can integrate end-user experiences.	Some **36%** of organizations have a mature approach to API-led integration for nontechnical business users and **44%** are developing a strategy.
$3.5M	27%	18%	44%
The importance of **integration** continues to increase, but challenges persist	Organizations are embracing **APIs** for new integration projects	Data silos and legacy IT complicate **integration**	IT should meet the growing **integration** demands of business teams
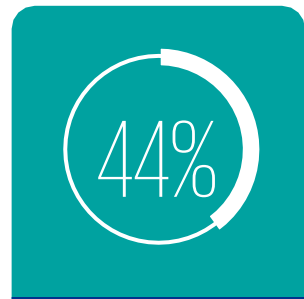
Source: "Top 8 digital transformation trends shaping 2021", MuleSoft

Leveraging APIs to increase productivity, agility, and innovation

APIs are the glue that connect the digital world. For organizations to deliver digital transformation and innovate at the speed of market leaders, it is critical to discover, connect, and reuse software assets using APIs.

Those that leverage APIs report an array of business results:

53% → **Increased** productivity
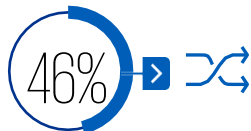
46% → **Greater** agility across teams to self-serve IT
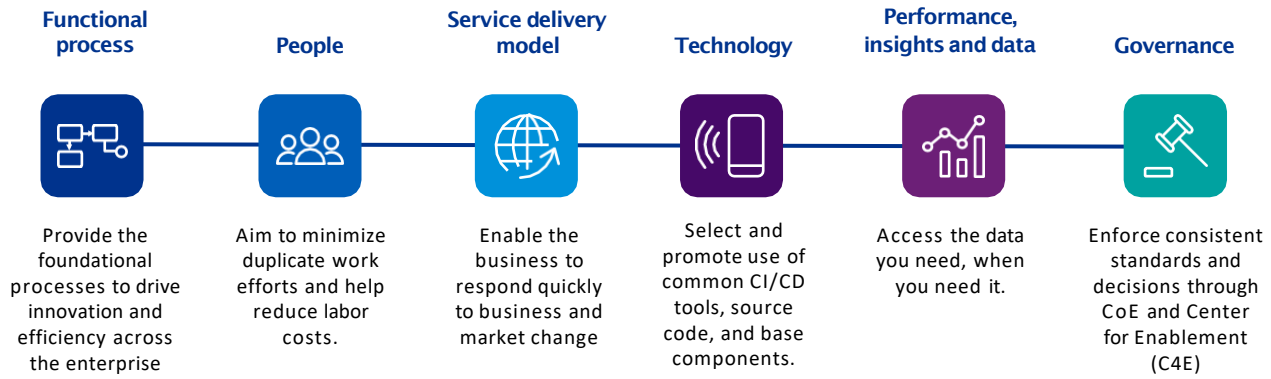
40% → **Increased** innovation

All of which serve to better connect and integrate the business.

> **APIs make it easier to integrate and connect people, places, systems, data, and algorithms,** create new user experiences, share data and information, authenticate people and things, enable transactions and algorithms, leverage third-party algorithms, and create new product/ services and business models.
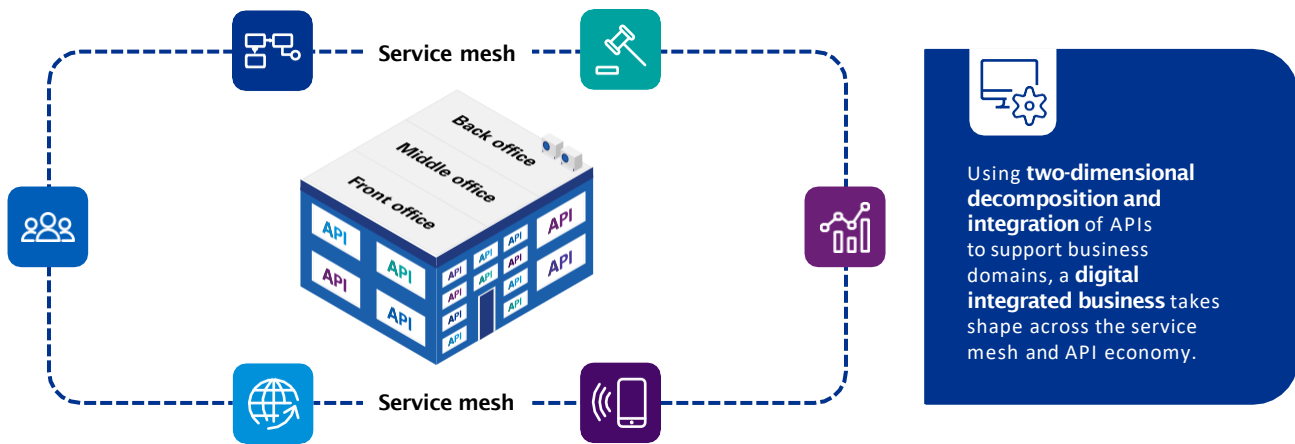>
> Source: "What is the API Economy (Application Programming Interface Economy)", MuleSoft

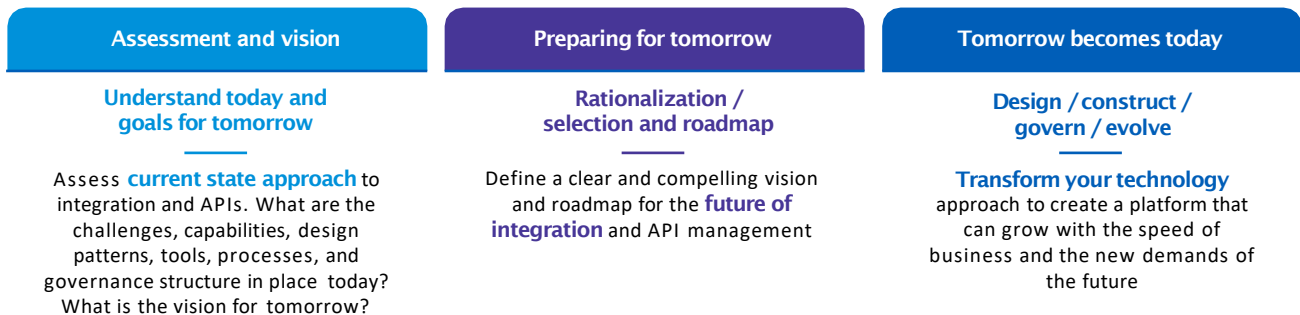## The next generation of integration is no longer just about connecting systems

Functional process	**People**	**Service delivery model**	**Technology**	**Performance, insights and data**	**Governance**
Provide the foundational processes to drive innovation and efficiency across the enterprise	Aim to minimize duplicate work efforts and help reduce labor costs.	Enable the business to respond quickly to business and market change	Select and promote use of common CI/CD tools, source code, and base components.	Access the data you need, when you need it.	Enforce consistent standards and decisions through CoE and Center for Enablement (C4E)

A digital business requires a connected enterprise across all layers of the operating model

With Connected Technology, enterprise integration unifies across front, middle and back office.

Service mesh

Back office
Middle office
Front office

Service mesh

Using **two-dimensional decomposition and integration** of APIs to support business domains, a **digital integrated business** takes shape across the service mesh and API economy.

KPMG firms' capabilities help transform data integration

Assessment and vision	**Preparing for tomorrow**	**Tomorrow becomes today**
Understand today and goals for tomorrow	**Rationalization / selection and roadmap**	**Design / construct / govern / evolve**
Assess **current state approach** to integration and APIs. What are the challenges, capabilities, design patterns, tools, processes, and governance structure in place today? What is the vision for tomorrow?	Define a clear and compelling vision and roadmap for the **future of integration** and API management	**Transform your technology** approach to create a platform that can grow with the speed of business and the new demands of the future

KPMG professionals can support your needs, regardless of your size

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