

IBM Cloud Pak for Integration

Connect, automate and unleash
business potential.

Across the globe, the pace of digital transformation quickens as businesses focus on improving speed to market and fueling innovation. The percent of business channels replaced by digital rose from 16% in 2019 to 34% in 2020 - that's 10 years worth of digitization progress in under one year.¹

However, transformation efforts can also have a serious side effect, compounding IT complexity and trapping data within silos that impede access to information business teams need to be successful. In a recent IDC Survey, over 50% of organizations estimated they have more than 100 applications in their portfolio today.²

In this world, an integration strategy is essential for driving a successful digital journey. Integration helps connect, automate and digitally transform businesses. It enables businesses to securely connect and share data between their applications and services across hybrid cloud environments. With an effective integration strategy, businesses can be more efficient, innovate faster, improve productivity, and reduce the expertise barrier; this is especially critical as companies face high attrition rates and widespread skill gaps, with more than 2 out of 5 tech executives claiming they have lost top-performing employees.³

Organizations that quickly and securely connect applications and systems will outperform those that don't. Research shows that tech-adopting businesses with more efficient systems for moving and accessing their data achieve 20% higher revenue growth rates.⁴

IBM is a trusted partner, providing a comprehensive set of market-leading capabilities for securely connecting applications and making business data easily and securely accessible for consumers, inside and out. With IBM Cloud Pak for Integration, organizations have been able to unleash their business potential, delivering new experiences, improving customer outcomes and enabling automations that can scale across the enterprise.

Key Capabilities:

- **API Management**
Create, manage, secure and socialize your APIs and implement a robust API strategy.
- **Application Integration**
Map and transform data between cloud and on-premises systems and applications.
- **Enterprise Messaging**
Deliver critical messages reliably with enterprise-grade messaging.
- **Event Streaming**
Power intelligent, hyper-responsive applications with Apache Kafka.
- **High Speed Data Transfer**
Move big data across global distances at maximum speed.
- **End-to-End Security**
Secure, optimize, control, and integrate within and beyond your enterprise.

Benefit

Accelerate development

A no-code, graphical user interface and AI-powered assistants that automatically map and reformat data work together to make integration simple. This empowers a wider set of roles to achieve point-and-click connectivity and significantly reduces time required to build integrations.

Coupled with pre-built application connectors, integration templates and a common, shareable asset repository to enable reuse and deployment across multiple integration capabilities, developers will have everything they need to speed delivery.

Reduce cost

Automate to reduce the cost of integration. Powered by AI, new tests can be automatically generated based on comparison of workloads detected in production environments versus test environments, cutting project timelines and freeing your teams for higher-value activities.

Bringing together the industry's most complete set of tools and capabilities and enhancing them through automated deployment eliminates the expensive maintenance downtime and multiple licensing fees that accompany other vendor offerings or "roll-your-own" approaches.

Lower Risk

With built-in automated workload scaling, balancing and self-healing, your business can achieve up to five-nines application availability and throughput optimization. IBM Cloud Pak for Integration customers improved the quality and resiliency of their integrations, making drastic reductions in production system downtime and degradation.⁶

IBM Cloud Pak for Integration captures deployment, operation and security issues as they happen, reducing the time taken to identify the root cause and simplifying the steps that prevent potential adherence to security and compliance policies across all integration assets.



API management



Application integration



End-to-end security



Enterprise messaging



Event streaming



High-speed data transfer

Capabilities

IBM Cloud Pak for Integration is a complete hybrid integration solution.

API Management

Unlock business data and assets as APIs and manage, secure and socialize a broad set of technology endpoints.

Application Integration

Connect your applications to map and transform data across private, public and hybrid cloud environments.

Event Streaming

Put events to work for your business, to detect and act on critical business situations as soon they arise.

Enterprise Messaging

Ensure mission-critical messages are protected through their journey and delivered to the right place, at the right time.

High-Speed Data Transfer

Drive faster data transport of any size across any cloud.

End to End Security

Control access to vital resources wherever they are.

Security and support

Companies are more connected to the outside world than ever before and the threat landscape continues to intensify. Attacks on web applications rose to make up 39% of all breaches in 2021⁷. IBM Cloud Pak for Integration helps your organization reduce exposure to business and security risks while adhering to compliance policies. Using IBM proprietary assessment tools and industry best practices, our technical specialists help formulate an identity and access management (IAM) strategy based on your current and future business requirements. Take advantage of full software stack support and ongoing security, compliance and version compatibility.

Deployment options

Run your integration software more easily virtually anywhere—through containers supported by Red Hat® OpenShift® software, on essentially any existing infrastructure on premises or through private and public clouds. Use the capabilities you need with a fully modular and flexible approach that's designed to be easy to consume, change and update as needed.

As a part of the IBM Automation platform, IBM Cloud Pak for Integration includes containerized IBM middleware and additional features for development and management on top of a common services layer. Deployment options also allow non-containerized installs on any supported platform.

IBM Cloud Pak for Integration Highlights

No-code user interface	Increase productivity, reduce time to market. Enable a wider set of roles to easily create intelligent business solutions using natural language and clicks, not-code.
AI-assisted build experience	Integrate applications and data faster, more easily and with greater accuracy. Uses semantic analysis and AI to automatically map and reformat data between source and target applications.
AI-powered API test generation	Identify errors, improve code quality and empower developers. Uses AI to identify real-world production API scenarios that aren't adequately recreated in existing test suites and automatically generates new tests.
Design and asset repository	Build and deploy reusable integrations. Reuse established and previously written applications to speed development.
Security-rich gateway	Enforce security consistently without external security solutions. Integrate, control and optimize delivery of workloads across multiple channels in a security-rich environment.
Observability with IBM Instana	Achieve consistent and holistic monitoring, tracing and logging for your entire IBM Cloud Pak for Integration estate, no matter where capabilities are deployed.

Summary

Across the globe, the pace of digital transformation quickens as businesses focus on improving speed to market and fueling innovation. But transformation efforts can have a serious side effect, trapping data into silos that impede access to critical information that business teams need to be successful.

Organizations that quickly and securely connect applications and systems will outperform those that don't. Tech-adopting businesses with more efficient systems for moving and accessing data have been shown to achieve 20% higher revenue growth rates⁴.

With IBM Cloud Pak for Integration, ensure that your business's critical data can easily move from where it is generated to where it is consumed, allowing you to make better business decisions, drive new engagement models and deliver personalized omnichannel experiences for your customers.

As part of IBM Automation, the IBM Cloud Pak for Integration ensures that organizations outcomes are improved through increased automation: insight into running processes, visualizing hotspots and bottlenecks, automated workload balancing so you can focus on what's most important to your business.

For more information

To learn more about IBM Cloud Pak for Integration, please contact your IBM representative or IBM Business Partner, or visit ibm.com/products/cloud-pak-for-integration.

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