

IBM Cloud Pak for Integration

Automate integrations to
improve application speed
and quality

Businesses are on a break-neck journey to digital transformation. But speed without the right approach will only get you to the wrong place faster. Integrations built too quickly or without proper testing can cause significant rework, costing time and money, as well as potentially impacting application performance and ultimately, reputation. Effective integration is delivered not only quickly, but with quality.

To integrate faster and better, every integration must be automated, leveraging best practices and built-in reuse; closed-loop, applying AI to real-world operational data to identify issues and recommendations, driving continuous improvement; and multi-style, bringing together the right combination of integration capabilities as opposed to a one-style-fits-all approach. Achieve the optimal mix of existing and new system development by modernizing core applications to be cloud-native and unlocking the value of your data while sunsetting other systems.

IBM Cloud Pak for Integration is the solution to deliver both speed and quality, improving your integrations and your applications by extending AI-powered automation across the integration lifecycle. With it, companies are able to speed their integration development by 300%, reduce costs of integration by over 33% and increase overall operational efficiency while maintaining enhanced security, governance and availability.

Highlights

- Generate new tests for API-led activity automatically based on comparison workload detected in production environments versus test environments
- Use built-in NLP and AI to gain custom mapping recommendations to accelerate the building of integration flows
- Built-in automated workload scaling and balancing helps to avoid production and performance issues
- Automate deployment, scaling and self-healing across systems and update without downtime, enhanced with end-to-end tracing

Benefits

Accelerate development through automation, powered by AI

Use built-in AI to accelerate integration development by 50% – 300%². IBM Cloud Pak for Integration comes with everything your developers need to speed delivery. Low-code/no-code integration tooling leverages built-in natural language processing (NLP) and AI to offer smarter mapping outcomes. Robotic Process Automation (RPA) connectivity to automate integrations with legacy apps, automated API test generation, pre-built smart connectors, and a common, shareable asset repository to enable reuse.

300%

increase in integration speed with IBM Cloud Pak for Integration

Improve integration quality with continuous feedback based on real-world data.

IBM Cloud Pak for Integration leverages operational data specific to your company to train the embedded AI that automates integration work. This closed-loop approach provides flow and field mapping recommendations, creates smarter API test cases and helps uncover inefficiencies in your current environment.

33%

reduction in integration costs with IBM Cloud Pak for Integration

Increase efficiency and reduce costs by employing multiple integration styles and approaches.

To address increasing complexity and drive down costs in hybrid IT environments, multiple styles of integration are needed. From creating app integration flows and exposing the work for reuse via an API to having continuous backend availability for updates using business critical messaging, this multi-style integration is a key feature of IBM Cloud Pak for integration. With the industry's most complete set of capabilities in a single platform, helping you avoid the multiple licensing fees that accompany other vendor offerings.

Lower risk and improve workload and integration operations with DMZ-deployable security.

IBM Cloud Pak for Integration provides proven DMZ and hybrid cloud-ready security and performance with a gateway that hasn't been hacked in 15+ years. Delivers robust performance with over 30,000 transactions per second and includes resiliency and auto-scaling to improve operations for integration admins. Companies can demonstrate adherence to security and compliance policies and identify deployment, operations and security issues as they happen, providing data to feed AI for future best practices and asset protection.

Improve workload and operational efficiency through AI-powered automation while reducing risk with processing mining and robotic process automation (RPA) capabilities, helping you discover anomalies across integrations and extending integrations to otherwise unreachable assets. With built-in automated workload scaling, balancing and self-healing, you'll also experience up to five-nines application availability and throughput optimization.³

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.

Capabilities

IBM Cloud Pak for Integration is a complete hybrid integration platform, including the optimal mix of traditional and modern integration styles and embeds AI and automation.

API management

Unlock business data and assets as APIs.

Application integration

Connect your cloud and on-premises applications.

Event streaming

Deliver real-time Kafka event interaction.

Enterprise messaging

Deliver messages reliably with enterprise-grade messaging.

High-speed data transfer

Drive faster data transport across essentially any cloud in a security-rich environment.

End-to-end security

Control access to vital resources wherever they are.

Deployment options

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

As a part of the IBM Automation platform, IBM Cloud Pak for Integration includes containerized IBM middleware and common software services for development and management on top of a common integration layer.

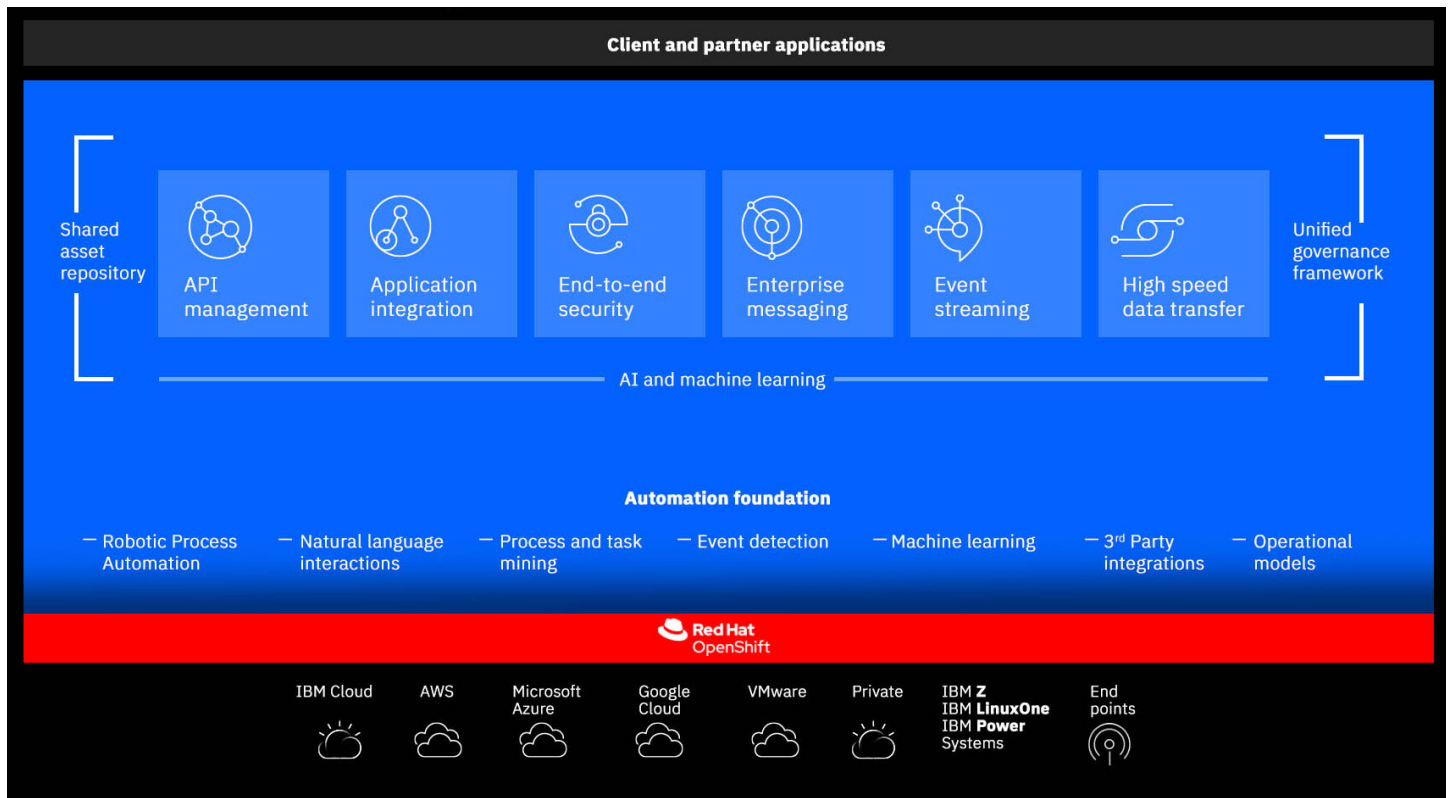


Figure 1: IBM Cloud Pak for Integration marketecture

Security and support

Companies are more connected to the outside world than ever before. 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.

IBM Cloud Pak for Integration Features and benefits

Features	Benefits
Low-code and no-code tooling	Increase productivity, reduce time to market. Helps ensure that a wider set of roles has the ability to easily apply AI through a no-code approach to create intelligent business solutions.
AI mapping assist	Integrate applications and data faster, more easily and with greater accuracy. Uses semantic analysis and AI algorithms to suggest mappings, designed to make the hardest part of integration simpler.
Connectors catalog	Connect everything, virtually anywhere. Prebuilt, security-rich intelligent connectors, including RPA, for scraping key details from existing applications, enabling effective connectivity on premises or in the cloud.
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, including mobile, API, web, service-oriented architecture (SOA), B2B and cloud.

Summary

IBM Cloud Pak for Integration delivers a modern, agile approach to integration, extending AI-powered automation across the integration lifecycle to improve both the speed and quality of integration development. With it, we've seen companies speed their integration development by 300%, reduce their costs of integration by over 33% and increase their overall operational efficiency while maintaining enhanced security, governance and availability.²

Provide your employees with access to the data they need to make better business decisions and drive new engagement models and personalized omnichannel experiences for your customers.

IBM Cloud Pak for Integration is part of IBM Automation, a set of shared automation services that help you get insight into how your processes run, visualize hotspots and bottlenecks, and use financial impact information to prioritize which issues to address first.

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/cloud/cloud-pak-for-integration.

Why IBM?

IBM Cloud offers the most open and secure public cloud for business with a next-generation hybrid cloud platform, advanced data and AI capabilities, and deep enterprise expertise across 20 industries.

We offer full stack cloud platforms with over 170 products and services covering data, containers, AI, the Internet of Things (IoT) and blockchain. To learn more, visit ibm.com/cloud.

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