

Become the Digital Business of Tomorrow by Modernizing Your Legacy Applications

Key Benefits

- Promote business and technical agility
- Accelerate time to value and lower TCO
- Reduce costs and gain efficiencies
- Simplify administration and reduce overhead
- Scale to quickly meet business demands
- Scale to meet global deployment objectives

Achieve True Agility With Intelligent Application Integration and Modernization

Today, no matter your industry or size, you must quickly adapt to new challenges. Every business is undergoing digital transformation, with cloud as a key accelerator. For example, enterprises are turning to cloud applications like Workday, Salesforce, and SAP S/4HANA to modernize their legacy systems, such as Siebel, PeopleSoft, and home-grown applications. The challenge is doing so quickly—and successfully.

The Urgent Need for Agility

Recent market disruptions illustrate the urgent need to modernize. During the pandemic, retailers had to suddenly shift their business models to offer online purchasing and curbside pickup. Manufacturers had to swiftly pivot their supply-chain operations to cover gaps in raw materials procurement. And educational institutions needed to immediately digitally connect their campuses and students to enable remote learning experiences.

Many industry leaders today marvel at how fast they had to move—in many cases, advancing technologically in weeks or months on innovations that they had thought would take years. It all came down to being able to successfully react to change. In other words, agility.

Agility is needed to:

- Seize market opportunities
- Improve customer journeys
- Create or respond to competitive disruption
- Accelerate innovation

How do you achieve agility? To deliver on new business opportunities organizations need system and process agility. What is holding them back? Large, monolithic, expensive, brittle, and inflexible applications.

Application modernization addresses the urgent need to evolve to modern, cloud-native applications: real-time, on-demand, scalable, modular, lightweight, easy-to-use, and easy-to-develop “composable applications.” By 2023, more than 500 million digital applications and services¹ will be developed and deployed using cloud-native approaches.

Application modernization is a journey, a continuum. Whatever your starting point, you may be looking at one (or all three) of the following paths:

- **Adding APIs to extend the life of legacy systems.** No app updates or customizations required. The systems work as they did previously. This is the easiest route to take, but not necessarily the best, as you can't take advantage of everything the cloud has to offer.
- **Purchasing new cloud software-as-a-service (SaaS) applications and services to replace legacy systems.** The challenge is to integrate these new apps with your existing business processes and applications.
- **Building new applications using microservices.** Developing these truly modern apps and services is the goal of many leading organizations. Because of the modularity and scalability of applications services, they easily integrate with existing apps, data sources, and business processes to help drive true digital transformation.

Application Modernization Challenges

Despite the urgency of modernization, the challenges are significant. In fact, 74% of modernization efforts fail.² The reasons:

1. The technology tools are complex

Many existing tools to help with app modernization are difficult to learn and use, and require specialized skills. Also, until recently, there were gaps in the marketplace for necessary functionality that existing tools didn't cover. A full 78% of your users say they want simpler, more reliable, and easier-to-use tools.³

2. Business and technology teams are widely misaligned

In many organizations, business groups have run amok, buying or developing applications on their own without consulting IT. This has resulted in a massive number of apps, many redundant or overlapping in functionality. Cloud use in particular is out of control in some organizations, since anyone with a credit card can procure cloud services or SaaS applications for a department or division. IT is having trouble reigning in these “shadow IT” activities, which leads to runaway costs and inefficient—because they're not integrated—business processes.

3. Cloud apps aren't integrated with other organizational application and processes

Deploying a new application is not just a question of installing the technology correctly. Business processes often need to be adjusted—especially when it comes to cloud applications. But many organizations aren't taking this into account. They aren't integrating the new processes introduced by the cloud apps with those of legacy apps. Modernization cannot happen if new cloud applications exist in silos, as this fragments data across the enterprise. Modernization fails if a new modern cloud application brought in for sales automation, human resources, or marketing can't communicate with a mission-critical legacy ERP application or integrate with its established business processes.

¹ [IDC FutureScape](#)

² Advanced Global Research, May 28, 2020

³ Harvard Business Review Services Survey, 2019

4. Too many organizations take an API-only approach to app modernization

Many organizations simply make existing applications cloud-compatible by slapping cloud APIs on legacy apps and calling it a day. Although this is the easiest route for getting apps into the cloud, these “cloud-washed” apps are difficult to scale. APIs are necessary but not the whole answer. True application modernization generally means refactoring and breaking down big, heavy monolithic applications into a collection of small, loosely coupled, microservices developed expressly for the cloud.

Fast, Successful Application Modernization Starts With Informatica

To meet these challenges, organizations need an approach to application modernization that enables three key criteria for enterprise success: simplicity, productivity, and scale.

As an industry leader in intelligent, automated cloud-native integration and data management, Informatica® provides an integrated, AI-powered platform for application modernization that allows you to:

- **Take the fastest path to modernization with simplified integration.** Leverage a no-code, no-build user experience (UX) to empower the entire organization—from integration architects to data stewards to non-technical business users—so they can easily build, assemble, monitor, and maintain integrations and APIs.
- **Increase agility with intelligent, automated governance and data quality.** Use intelligent automation of business and data APIs to provide unprecedented productivity and leverage cloud-native data quality tools, resilient data hubs, and integrated governance with end-to-end API lineage to build trust across teams.
- **Connect thousands of apps on one platform for enterprise scale.** Connect hundreds of your apps and services via self-service, discovery-centric marketplaces and business interoperability portals—all built on a single platform. This unifies API creation and management, data processing, event processing, and more.

The Informatica Application Modernization Solution provides a unified set of application services, with industry-leading capabilities for:

- Integrating data and distributing it to your applications in real-time and batch
- Making your data available to consumers via APIs
- Processing business events such as orders using APIs or traditional messaging systems
- Automating business processes such as order management across the various applications and systems needed to fulfill the function
- Ensuring data quality so consumers can trust the data they’re working with

About Informatica

Digital transformation changes expectations: better service, faster delivery, with less cost. Businesses must transform to stay relevant and data holds the answers.

As the world's leader in Enterprise Cloud Data Management, we're prepared to help you intelligently lead—in any sector, category, or niche. Informatica provides you with the foresight to become more agile, realize new growth opportunities, or create new inventions. With 100% focus on everything data, we offer the versatility needed to succeed.

We invite you to explore all that Informatica has to offer—and unleash the power of data to drive your next intelligent disruption.

Key Benefits

The Informatica Application Modernization solution helps:

- **Promote business and technical agility.** Empower the entire organization with democratized access and trusted data to fuel their strategic business initiatives and deliver value
- **Accelerate time to value and lower TCO.** A comprehensive integrated, intelligent solution for enterprise app modernization addresses the needs of both business and technical stakeholders
- **Reduce costs and gain efficiencies.** Automating critical tasks eliminates tedious manual tasks
- **Simplify administration and reduce overhead.** The integrated capabilities are designed and optimized for all user personas
- **Scale to quickly meet business demands.** Connect thousands of apps and services via self-service, discovery-centric marketplaces, and business interoperability portals—all within a single platform unifying API creation and management, data processing, event processing and more
- **Scale to meet global deployment objectives.** Data discovery that spans worldwide organizations, across tens of thousands of data stores, with the depth to uncover thousands of attributes in a file

Next Steps

Learn more about Informatica solutions for Application Modernization at www.informatica.com/appmodernization. You can also experience the solution free for 30 days by registering at www.informatica.com/app-mod-trial.



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