

Accelerate Digital Transformation with Low-Code/No-Code Automation

A complete guide for enterprises, ISVs, startups,
and small businesses for adopting Low-Code/
No-Code as an enabler of Digital Transformation.



Introduction

The first-generation low-code platforms required considerable adaptations and months of development in the late 1990s and early 2000s. Gartner expects that by 2024, low-code/no-code automation will account for 65% of all app development.

Low-code technologies make it simple for both developers and non-developers to engage with code. Visual modeling and drag-and-drop interfaces are used in these. The technologies are preferred by enterprise customers with some programming skills who wish to speed up automation initiatives. Non-developers can also design forms, data-collection applications, business procedures, and custom user interfaces for customers using little code.

Companies may now focus more time and money on the things that matter most, rather than designing specialized apps, thanks to low-code/no-code. In this post, we'll look at the advantages and uses of this modern marvel, which makes coding seem less daunting and allows businesses to expedite their Digital Transformation.

Nearly 60% of all custom apps are now created outside of the IT department. Over a third of these users are employed in a professional capacity. Non-programmers can now create workflow applications that can be readily incorporated into bigger business processes using low-code/no-code tools.

“According to Gartner, **65% of application development will be low code by 2024.**”

Digital Transformation Becomes Everyone's Business with Low-Code Development

Digital Transformation is more important than ever in the aftermath of COVID-19. Indeed, the global epidemic has served as a wake-up call for both large and small businesses as they battle with the challenges of fast adapting to a dramatically altered business paradigm and customer landscape.

Organizations with the digital agility to pivot quickly, more than any other element, are currently rising above the competition and putting themselves on a path to success. Traditional approaches to software and service delivery are no longer sufficient, especially with an increasingly virtual workforce and consumers' ever-increasing digital expectations.

Organizations must execute faster in a digitally transformed economy, incorporate new degrees of automation into business processes, and ultimately inspire consumers, workers, and partners with compelling experiences that offer exactly what they need when they need it.



Low-code development is, by all accounts, the best method. Companies that use low-code platforms can efficiently expand and expedite app delivery by involving everyday employees and other business stakeholders in their development activities, rather than depending primarily on expert developers.

Low-code cuts total IT expenses while increasing worker productivity and efficiency enormously due to the increased degrees of automation reached by enabling teams of less trained citizen developers.

Benefits of Low-Code/No-Code Automation

90%

Low-code/ no-code solutions have the potential to reduce the development time by 90%.

12%

Low-code users are 12% more likely to say that their app backlog has improved.

70%

70% of low-code users who had no experience at all before using low-code platforms learned low code in 1 month or less.

Here's Why Low-Code is so Essential to Your Digital Transformation



Built to Scale

The proper low-code platform should act as a point of integration for the entire organization, integrating all systems, applications, users, and data in new ways to help the company grow. It must also provide comprehensive visibility into end-to-end processes, as well as insights to assist you in achieving enterprise-grade performance, dependability, security, resilience, and compliance.

A low-code platform that is highly automated and scalable can have a substantial impact on the bottom line. Business processes can move faster with more optimized workflows, which means you can double production without hiring more people or serve twice as many consumers in half the time.



Built for Productivity



Low-code systems are very productive by definition. You may drastically boost the efficiency of development processes while producing apps that fully correspond with the most pressing demands and goals for a given use case or business unit if you employ a powerful enterprise-wide platform with adequate guardrails and oversight in place.

Choose a platform that encourages cross-team collaboration by allowing application components developed for one business unit to be used in new ways by another. Synergies between teams can accelerate the delivery of all your services in this type of shared low-code environment, cutting the development cycle from months to hours and allowing your organization to function at speed.

Exceptional Experiences

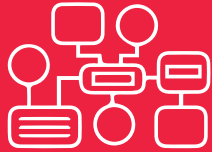


Finally, your low-code solution should be able to provide end-to-end consumer-grade experiences for enterprise use cases, such as quick, intelligent self-service access to the information consumers require when they require it. And your knowledge employees must be able to promptly resolve any challenges, aided by advanced analytics and AI-assisted recommendations, all in a single, context-rich perspective.

Most significantly, your low-code platform should automate and speed up critical business operations that keep customers and other stakeholders engaged with your brand.

The global low-code development platform market is predicted to generate a revenue of **\$187 billion by 2030**, rising from **\$10 billion in 2019**, and is expected to advance at a fast pace, **31% CAGR**, during the forecast period.

The Power of Low-Code Automation



Low-Code is Fast

With the right platform, development can be 10 times faster than traditional approaches.



Low-Code is Powerful

Complete automation enables applications to easily integrate into core business systems.



Low-Code is Easy to Maintain

Applications built with low-code require far less maintenance and allow for easier updates.

How Low-Code is Impacting Industries and Helping to Solve Difficult Problems

Banking



Low-code platforms make it possible to design and deploy applications quickly. These platforms enable banks to offer digital products rapidly by reducing app development periods from months to days. Banks' Digital Transformation is accelerated by low-code. Low-code platforms also enable banking Omni-channels, allowing customers to complete all transactions using any digital device of their choice.

Real Estate

Real estate investors, managers, and businesses can be relieved of the traditionally complex and time-consuming activities by using low-code platforms. They can easily design low-code apps to assist with time management, listings, finances, property portfolio management, facilities management, agent reporting, and tenant relationship management.



Manufacturing



Manufacturers have a digital opportunity to achieve operational excellence and meet the expectations of their consumers with low-code development. Low-code development systems centralize essential data, allowing managers to make quick choices and maximize resource use while maintaining accountability across departments.

Construction



Low-code is a simple yet powerful solution that provides customized and effective workflow automation and process improvement solutions. It lets construction organizations connect their data, equipment, and people to make project information more accessible. Teams can work together effortlessly on the job site or in the office while being safe, compliant, and productive.

Healthcare



Low-code platforms provide the flexibility that such teams require to transition to new methods of working without compromising service quality. Low-code is a novel way to maintain business continuity in the event of an interruption in healthcare. It enables quick development of compliance management and monitoring apps, as well as easy API connections for standardized access and authentication management.

Risk and security



Due to the absence of control over the source code, low-code and no-code initiatives rely primarily on their platform providers to remedy any security problems that may be detected. There will be no security updates if these platform providers are liquidated, and firms would be unable to resolve concerns on their own. Furthermore, organizations who use low-code/no-code platform providers as hosts risk having their data and systems exposed and subject to security attacks.

Cons of Low-Code/No-Code

Low-code software appears to be an ideal answer for app development at first sight, but it has some disadvantages too.

Lock-in of Vendors



The more money a company spends on a low-code/no-code platform, the more difficult it is for them to move. The business's reliance on a single provider grows as a result of this.

Flexibility is Limited



Traditional codes allow developers to customize the software to any extent they wish, but low-code rely on the platforms' and plugins' built-in capabilities. If a specific feature isn't available, the developer may have a difficult time meeting associated criteria.

No Technical Background Myth



Low-code tools, despite their name, nonetheless require strong technical knowledge. Furthermore, you must first investigate core low-code development needs and technologies, which take time to master and adapt to on their own.

How to Find the Right Low-Code/No-Code Platform

Before making a final decision to buy, consider the following questions when assessing new low-code/no-code platforms:



Is the platform capable of handling your workload?



Is there a robust support community that is actively maintained by partners or platform architects?



Is this platform interoperable, and will it be able to accommodate the integrations you require?



Is the platform's architecture flexible enough to develop and extend as your business demands change?



Seven Key Criteria for Selecting the Right Low-Code/No-Code Platform

Functionality



It's crucial to consider whether the platform has the features your business need. Compile all of your workers' duties, such as document processing, questionnaire completion, data entry into an internal database, and so on. Form designers, electronic signatures, and other critical features must be included in the low-code platform or management software.

Cloud Infrastructure



Check if the platform can be deployed in the cloud. The application deployment procedure will be substantially faster if the low-code platform supports cloud infrastructure. It's something that should be taken advantage of.

Flexibility



What about IT for non-coders? IT, not simply business users, should be empowered. Not everyone aspires to be a professional programmer, but everyone aspires to be a maker.

Many IT workers may not be focused on serious coding abilities, but with the correct platform, they can develop fantastic apps and solutions. Companies may take advantage of and empower these IT power users by using a flexible low-code platform.

Simple but Expandable



Users should be able to kickstart minor problems and then progress to more complicated scenarios when they emerge with a low-code platform. By being flexible to the diverse skill levels of a company's staff, a low-code platform may let small to medium-sized businesses experiment with new products, services, new integrations, and more.

They may even create completely new systems for your company from the ground up for a fraction of the expense of dealing with an outside vendor.

Tools and Settings for Configuration



Ascertain that the low-code platform includes the essential configuration options and visual tools for your personnel to maintain apps on their own. For the programme to function, it requires more than just a user-friendly interface. You'll need database access, as well as the ability to establish authentication and permissions.

Mobile-Friendly



Is your app user-friendly on mobile phones and tablets? Make sure your staff don't have to do anything to the app in order for it to run on mobile devices.

Customizable Templates



If you want to automate company procedures, be sure the tool offers ready-made templates. Ready-made templates considerably decrease the risk of developing a system and save a considerable amount of time and work.

Your low-code/no-code development team will benefit from increased productivity, flexibility, and a simple development approach.

**As a competitive enterprise, you need to get applications to market faster.
That means you must be able to build stable applications with minimal
effort, no coding, and high flexibility.**

Introducing iSymphony™

The Low-Code/No-Code Platform for Rapid Application Development

iSymphony™ is a low-code app development platform (LCAP) to build modern web and mobile apps. Our mission is to create a low-code platform, specifically targeting the needs of ISVs and enterprises, enabling them to deliver solutions, catering to their captive and client needs, with markedly reduced time and improved quality. It follows a no lock open model with no proprietary standards, no data locks for the end customer, and no platform/language restrictions.

iSymphony™ at a Glance



Reusable components

A prefabricated model with a large number of pre-tested, reusable APIs, connectors, and UI widgets, which enables rapid application development and integration



SaaS-based

A SaaS-based multi-tenant, multi-channel platform and can be deployed in private or public cloud platforms



One-click deployment

With multi-cloud orchestration



Faster GTM

Accelerates go-to-market readiness of both ISVs and enterprises with a zero-click deployment capability and assured production-ready code quality



Generate and share source code

Enabling multiple teams to work together

Key Benefits of iSymphony™



Avoids any Type of Lock-in

Uses open standards & frameworks, platform & language agnostic code generators, and cloud agnostic accelerators.



Standards-based Extensible Code

Follows 12-factor app principles that create high-quality, clutter-free code similar to human-generated code.



Enterprise-Grade Security

Secures apps with authentication and authorization features such as role-based and permission-based access control.



Application Platform as a Service (aPaaS) Platform

Enables various enterprise personas throughout the application lifecycle, from ideation and development through deployment and operation.



Impeccable Productivity

Accelerates delivery by 35-40% with 25% less cost when compared to traditional application development.

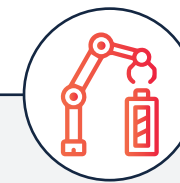
Do More with Less when iSymphony™ Low-Code/No-Code Platform is by your Side

Activities	Traditional Development	Low-code/No-code with iSymphony
Web / Mobile App Development	Needs a UI, backend developer and DBA.	Builds the UI, backend APIs, database rapidly and only focuses on additional business logic.
Integrations / Connectors	Needs to create wrappers or code to integrate any external 3 rd party connectors.	Postman-like form to fill the required connectivity and wrappers are automatically added in the code base. Also partnership with iPass platforms bring in seamless connectivity.
Code Check-in	Needs review, re-work, and manual execution of static analysis and other security, vulnerability tests.	In built OWSAP, SonarQube checks and code check-in in VCS.
Deployment	Needs to build corresponding configuration files for each environment (test/prod), be it on-prem or various clouds.	One click deployment in any of the cloud/on premise based on basic configuration settings.
Maintenance	High maintenance as lot of human written code is involved. Need to maintain infrastructure frequently.	Maintenance is low and done at platform level, leaving clients to focus on their core business problems.



What you can do easily and quickly with iSymphony™

From business modeling, UI modeling, CI/CD configuration, and collaborating with various teams on application development and integrating with Agile tools like Azure DevOps, you have a range of application development possibilities.



Here's what we did for a client

The client, a large battery producer in Asia, wanted to build a digital warranty registration application. With iSymphony™, we helped jumpstart the development of features such as database authentication, user management, roles and privilege management, containerization, API documentation, in an app development project for the battery manufacturer.

Accelerate application delivery by 35-40% with web and mobile app development on iSymphony™ – our low-code platform.

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About Innominds

Innominds is an AI-first, platform-led digital transformation and full cycle product engineering services company headquartered in San Jose, CA. Innominds powers the 'Digital Next' initiatives of global enterprises, software product companies, OEMs and ODMs with integrated expertise in devices and embedded engineering, software apps and product engineering, analytics and data engineering, quality engineering, and cloud and devops, security. It works with ISVs to build next-generation products, SaaSify, transform total experience, and add cognitive analytics to applications.