The Power to *Transform* *Your Business*

HCL Domino — *Volt MX*

What's holding back your digital transformation?

Insufficient Development Resources

Budget shortfalls can limit the resources available to IT, and they can also interfere with an overarching need to transform business processes to drive future success.

Lagging Cloud Deployment

Key business applications don't make it easy to migrate or don't support cloud migration at all, leaving IT with few alternatives other than to rip out and start over again.

Security and Data Risks

The spiraling risk of data security and privacy challenges businesses 24/7. Organizations must find the right balance between data security and information access that drives innovation.

Lack of Modern Business Tools

Business owners lack IT-sanctioned automation tools to help enable departmental workflow improvements, leaving them to deploy shadow software and work around the IT organization to be productive.

Difficulty Creating Mobile Apps

Mobile apps are revolutionizing business processes and improving the user experience. App Dev platforms make it easy for businesses to create mobile business apps to streamline processes and engage customers.

Not Enough Collaboration

Collaboration across teams within an organization is a proven driver of innovation. When every employee can express their creativity and continuously innovate with colleagues from across the company, a business becomes more agile and successful.

Do any of these challenges sound familiar?

Embark on a *transformation journey*

It's no secret that organizations that undergo a successful digital transformation enjoy increased market share and customer engagement, higher employee morale, and an advantage over their competitors. However, while companies now recognize the need to speed up digital transformation and automate processes, too many businesses are still hampered by siloed applications and inefficient workflows.

The seismic shift to remote work has created additional hurdles for companies looking to embark on a transformational journey—chiefly a lack of meaningful collaboration across their teams and skilled technical staff.

A shortage of highly skilled software developers is a significant risk factor for companies as they look to transform in order to strengthen their business, increase their revenues, and gain a competitive advantage. Not only are there not enough developers to meet demand, but those that are available may also lack the necessary coding knowledge as well as experience working in a team environment.

93%
of companies find it difficult to retain skilled app developers

According to recent research, software developers struggle to keep up with increased business demands and continue to be bogged down by repetitive tasks. This has led to 93% of organizations finding it more difficult to retain skilled developers, while 86% are also finding it more difficult to successfully recruit developers.

Accelerate your transformation through low code

Traditionally, companies hired software application developers to build and manage their business applications and other assets. This option has since become increasingly difficult due to tech talent shortages, resource limitations, and increasing costs.

It is no surprise then that companies of all sizes are looking towards technologies that enable business users or "citizen developers" to build software. According to Gartner, which coined the term, a citizen developer is **"an employee who creates application capabilities for consumption by themselves or others, using tools that are not actively forbidden by IT or business units."**

Citizen developers —
the future is now

One such approach is low-code or no-code development that enables business users to build apps to directly address routine tasks and workflow processes in their day-to-day operations.

This approach has been widely hailed as the future of software development and is typically a key component of digital transformation. While the concept of end-users creating their own solutions might not be new, the buzzword is finally starting to gain a foothold in companies as organizations finally begin to understand the potential impact of empowering their employees, or citizen developers, with powerful tools to solve their own challenges without the need to write a single line of code.

Low-code platforms are gaining wider acceptance by IT. According to IDC, almost half of business leaders say they are purchasing low-code or no-code platforms to move innovation in-house. These trends are indicative of the importance companies now attach to low-code development.

Benefits of low code

- ✓ **Improved agility**

- ✓ **Decreased costs**

- ✓ **Higher productivity**

- ✓ **Democratization of development**

- ✓ **Better customer experience**
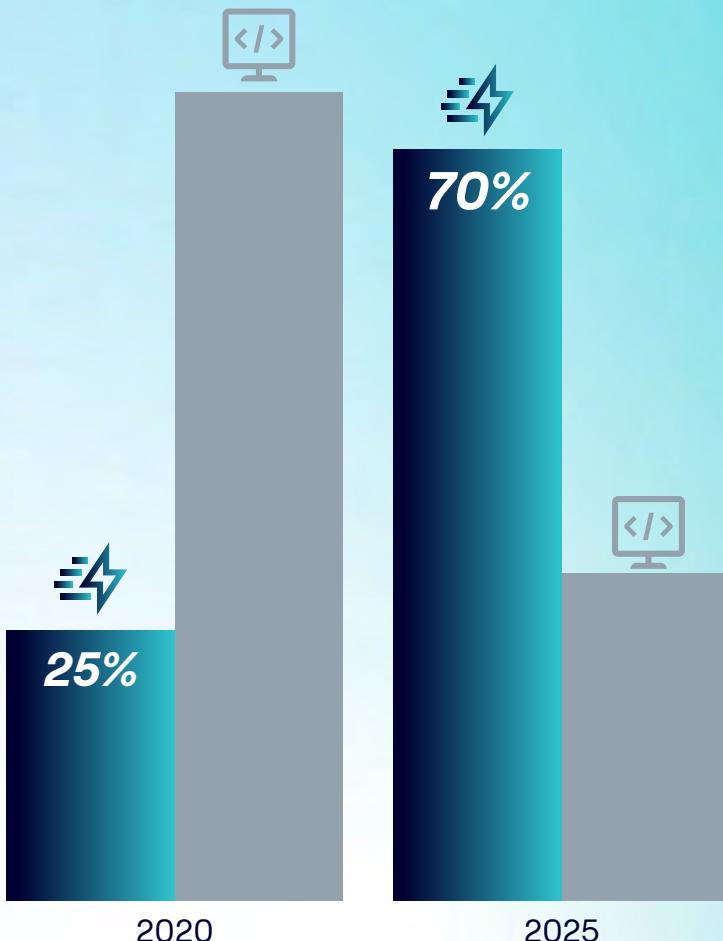
- ✓ **Faster transformation**

Organizations using
low-code technology
to develop new applications:

By 2025, 70% of organizations will use low-code technology to develop new applications. Up from less than 25% in 2020.

— Gartner

25%

2020

70%

2025

Empower all developers

Low-code and *pro-code* in one

Application development platforms hold big advantages for companies and developers — they enable a unified environment with a robust toolset developers need to create and integrate software applications.

Different approaches—same tools

Although low-code and pro-code are different approaches to app development they can share some of the same tools and concepts. Low code is one of the biggest disruptive technologies available today. Low-code developers, typically business users, create applications using pre-built components and templates to create web forms, automate data collection and reporting, and streamline business processes.

Pro-code, on the other hand, implies that application developers write code using common programming languages. However, both approaches can share pre-configured components to speed up development cycles. Combining low-code and pro-code approaches makes it possible to develop advanced business applications fast without sacrificing functionality.

Change the pro-code paradigm

Both approaches have their individual strengths and weaknesses but utilizing elements, like preconfigured components, adds value to your typical pro-code development process.

"Equipping both professional IT developers and non-IT personas — business technologists — with diverse low-code tools enables organizations to reach the level of digital competency and speed of delivery required for the modern agile environment."

— Varsha Mehta, senior market research specialist, Gartner

Hyperautomation
The next step in low-code evolution

For many organizations, process automation is about to reach a whole new level thanks to the rise of "hyperautomation." The term, another one coined by Gartner, refers to the use of automation technology to streamline any and every process possible in an organization, enabling repetitive processes to run without manual intervention.

Speeding up transformation

Hyperautomation is seen as a natural progression for companies looking to speed up digital transformation and have more impact on reducing costs, increasing customer engagement, and optimizing business processes and workflows.

"Hyperautomation has shifted from an option to a condition of survival," says Fabrizio Biscotti, research VP at Gartner.

More than just a condition of survival, hyperautomation is also a potential growth opportunity for enterprises seeking to keep pace with dynamic markets and changing customer preferences. It simplifies the integration of data across business lines, systems, and applications, and ensures faster and more efficient data access. It also promises to amplify productivity by eliminating, for example, the manual interaction of emails between departments like HR and IT to ensure a better overall employee experience.

Low code on steroids

While it might sound daunting, an amplified low-code approach, using hyperautomation, shows the potential to become the go-to technique for building the next wave of applications. The ability to seamlessly integrate with new web services, systems, and APIs, is another reason why a low-code approach is widely regarded as the backbone of hyperautomation.

"Organizations will require more IT and business process automation as they are forced to accelerate digital transformation plans in a [...] digital-first world."

— Fabrizio Biscotti,
research VP, Gartner

Security

Top priority for digital transformation

Your data. Your control. 24/7 Protection.

1 Data security

Multi-layered security for the client application and backend services with a single click.

2 Data governance

IT remains in control, defining security and data protection requirements and guidelines.

3 End-to-end encryption

Data and identity protection with enterprise-grade security certifications.

Data protection
Built-in to enable
transformation

Data security and identity protection remain crucial for the well-being of any business, while digital transformation changes how businesses must operate to be successful. The mining and use of data — from creating and storing to accessing and reporting — is changing and the need for better data security and governance has never been greater.
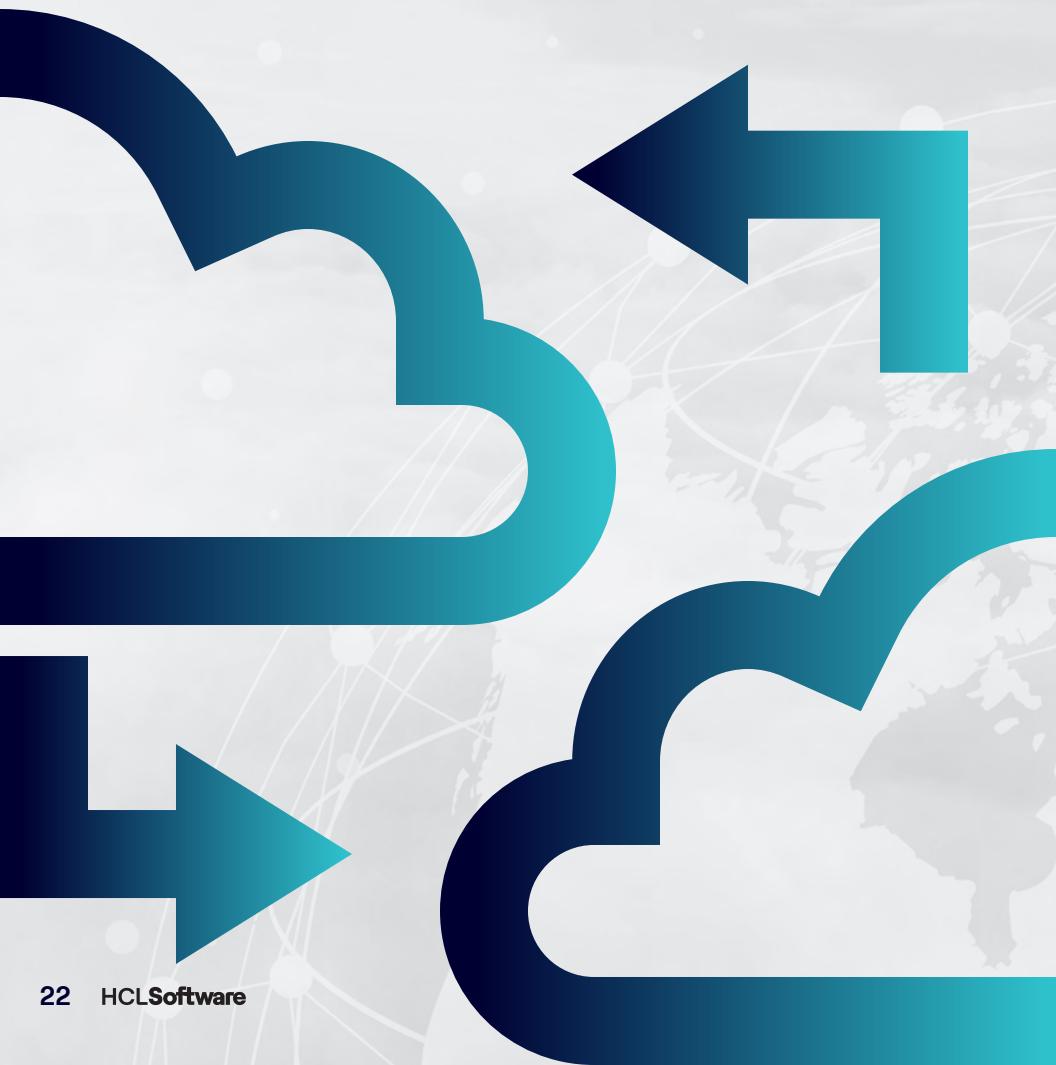
Regulatory burden

Regulatory laws, like the General Data Protection Regulation (GDPR) in the European Union and the Health Insurance Portability and Accountability Act (HIPAA) in the US, have added additional requirements for companies to manage data security, access, and governance. Given the possibility of fines and potential reputational damage, businesses must adopt new approaches to data security, and ensure their platforms and applications can protect their data assets properly.

Cloud deployment challenges

Historically, when companies kept their data on premises, data security was a bit simpler. But the need for additional flexibility and cost control have led many businesses to adopt a cloud-first approach, necessitating new data governance and management practices.

What happens to data stored in the cloud is a major concern for governments and businesses alike. Even though GDPR has been enforced since 2018, many European businesses, who have adopted cloud-based solutions and architectures, now find themselves vulnerable to data privacy risks as application providers may not store their data in Europe at all.

Even more frightening, vendors may feel compelled to expose data based on local laws, even if the data was collected in the EU and subject to GDPR. Data sovereignty has emerged as a huge challenge for organizations trying to navigate cloud-based operations.

Data-driven innovation

Innovation requires access to data to be effective, so there must be a balance between security risks and access to information. The proliferation of data types, sources, and platforms can sometimes make it challenging to use data and achieve its full potential. App dev platforms must include effective guardrails to help businesses deploy new and innovative applications while also ensuring data security and privacy. A failure to prioritize security and privacy can be detrimental to future business outcomes.
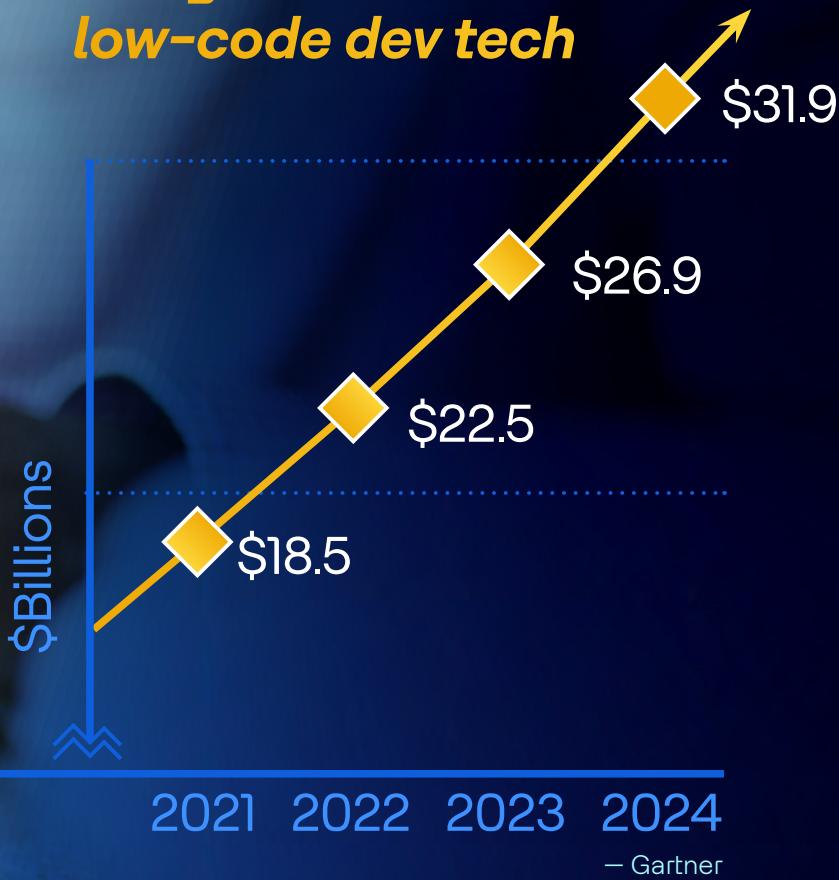
Now *is the time to transform your business*

It's clear that the past couple of years have been a wake-up call for companies without a clear digital transformation strategy. Finally, we're seeing more organizations recognize that developments in tech, such as low-code platforms and automation, are effective bulwarks against the tremendous uncertainty and change of business practices today.

As a result, the demand for low-code tools and hyperautomation is already high as skills-strapped IT organizations look for ways to move simple development projects over to business users. According to Gartner, the global market for low-code development technologies is already on track to grow nearly 20% from 2022 to reach $26.9 billion in 2023.

The global market for low-code dev tech

$31.9

$26.9

$22.5

$18.5

$Billions

2021 2022 2023 2024

— Gartner

Citizen developers represent the present and the future of the modern workplace ecosystem, and there has never been a better time to begin your journey to low-code and enable your employees to create market-ready apps in just minutes, all without any specialized training.

A rapid application development platform such as HCL Domino Volt features drag-and-drop tools and reusable components, which can empower your employees to build apps up to 70% faster without writing a single line of code. Starting with a blank canvas or spreadsheet, employees can quickly test iterations, optimize as necessary, and create finished, market-ready apps in a shortened time frame with minimal training.

Build your apps — up to 70% faster

The platform enables citizen developers to quickly design and deploy their own process apps based on their own specifications without worrying about integrations, back-end, or security. It has also been designed to allow any industry to meet its own specific challenges, whether it's in healthcare, finance, manufacturing, or retail. This means empowered employees, redesigned and streamlined operational processes, and hyperautomation success.

Unlock the power to transform your business now!

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