



What is iPaaS and how does it accelerate digital transformation?

Supercharge your organization with a connectivity platform that integrates all the systems, APIs and applications that you use every day.

TeamDynamix



ON AVERAGE,
ORGANIZATIONS
ARE MANAGING
130
DIFFERENT
SOFTWARE
APPLICATIONS –

*How many are in
your ecosystem?*

Why is integration so daunting – and what can we do about it?

Navigating the sea of APIs, systems and tools used by an organization can be daunting - making sense of how it all works, knowing which systems and APIs need to integrate, and figuring out how to create workflows can seem impossible to conquer.

Resource constraints and slim budgets further impede true connectivity and workflow – hence driving the need to find a better way. Organizations are further challenged with issues related to security and potential errors in workflow.

WHY IS IT SUCH A CHALLENGE: It should be no surprise that the **average number of software applications** in any given organization exceeds 130. That means there's more than 100 different systems accessing your business infrastructure and passing through vital information **daily**. How do you harmonize data across all these applications?

The Way Forward: iPaaS...

One way to smooth out data across the enterprise is to leverage a single, cloud-based, integration platform. Referred to as **Integration Platform as a Solution – iPaaS** is a single hub that will coordinate data across hundreds of APIs, systems and applications with a visual flow builder to create automations and workflows.

**Connecting the dots has never been easier,
workflow never more in reach.**



What's so great about iPaaS?

To start – iPaaS operates as a single, easy-to-use integration hub that can transform and harmonize data across all applications. Rather than creating point-to-point integrations or managing a farm of APIs, iPaaS offers connectors to systems that you use every day.

Imagine you get a request to change a user's name – and that change needs to happen across 20 different systems. Historically, you'd have to manually go into each system and make the change OR you'd need a developer to build out a series of bespoke scripts to initiate the change... and even then, that script might not work properly.

This old school approach to managing data across systems within your network can result in security risks, erroneous data and long lag times between updates.

By using iPaaS with IT process automation (ITPA), you get the security you need with API management and workflow building – true game changers for IT. One platform with out-of-the-box connectors to your systems.



iPaaS Popularity is Growing

“Enterprises will extend and re-platform their legacy integration software to **gain greater flexibility** to pursue innovation, avoid unnecessary lock-in, and standardize their software choices, which will be disruptive over the next five years.”

MAUREEN FLEMING, *Program Vice President*
Integration and Process Automation Research, IDC

“In iPaaS we find the groundwork being laid for a digital future, as the products in this segment generally are lighter, more agile IT infrastructure suited for the rapidly evolving use cases around digital business.”

BINDI BHULLAR

Research Director at Gartner

iPaaS Is All About Integration

To get more technical – cloud-based iPaaS connects different systems, technologies, and applications (both on-premise and within the cloud), enabling companies to deploy and maintain integration flows without using middleware or specialized hardware (either between a company and third-party software, or within an organization itself).

With iPaaS in place, there's a frictionless transfer of data between different applications that allows businesses to streamline their workflows and improve their outputs.

At the same time, businesses and organizations can expand their current digital offerings without having to take up more resources or create more services.

By using an integration platform – you can integrate any new services with existing software and give users a more unified and robust experience.

How Does It Work?

Using iPaaS, a business or organization can set parameters that only allow specific types of connections on their platform. These parameters might be in the form of prebuilt connectors, APIs or other rules.

Once these parameters are in place, an iPaaS platform creates a central system for viewing, managing and modifying the data, infrastructure and operations – allowing IT departments the flexibility to be proactive rather than just reactive to any issues or high demand needs.



Secure APIs with iPaaS

How can you keep the critical functionalities of your APIs, but ensure the security of your most vital systems? The answer is implementing iPaaS with ITPA.

When you have iPaaS in place, anyone in your organization can have the power to know which APIs are being used and where, and you can check that they are secure and performing as intended from your centralized hub. You no longer need to wait until an API breaks to know there's an issue, and most issues can be fixed centrally - mitigating any security risks in the process.

In addition, iPaaS provides the ideal environment for implementing regulation compliance through a single environment. In the **TeamDynamix iPaaS** solution, for example, you can take advantage of the following advanced security and compliance features:

- Authentication through OpenID Connect, Active Directory, and OAuth
- Role-Based Access Control (RBAC)
- GDPR, HIPAA, and CCPA compliance
- Advanced API logging capabilities



“The current model of point-to-point integration is simply not secure, fast, flexible or consistent. **Point-to-point integration is an evil** that builds up overtime due to ongoing business changes and a lack of integration strategy. With the emergence of iPaaS, organizations are migrating to a controlled and secure method of integration and workflow.”

RAJESH PARAB

Director of Research & Advisory Info-Tech

Using APIs *without* iPaaS puts your business at risk

The use of application programming interfaces (APIs) is critical to many businesses and organizations – providing the necessary connections between software components. On average, businesses manage more than 300 APIs. Unfortunately, APIs have a number of vulnerabilities that cyber criminals love to take advantage of.

According to TechCrunch, APIs can be misconfigured, or otherwise vulnerable, and be used to gain access to your systems. TechCrunch states, “APIs are an attractive target for threat actors because they act as the glue linking different services – they allow data to flow freely from one area to the next, and thus provide a rich vein of information if they are compromised.”

And because businesses and organizations are using so many APIs to connect systems – if they aren’t housed in a single, easy-to-use integration platform it can be tough to monitor each API and proactively shut down security threats or resolve any issues.

In an interview with Forbes, Jesse Victors, security consultant at Synopsys, said, “As technologies shift to single-purpose microservices, we are seeing more and more APIs to facilitate that communication, and thus there are more APIs and implementation to configure and secure.”

And because there are so many APIs being used, there are more opportunities for cyber criminals to attack – making APIs a very attractive target.

You don’t want API chaos to be the reason your business is at risk.

Cyberattacks are expensive.

DID YOU KNOW THE AVERAGE COST OF A CYBERATTACK IS NEARLY \$4.6 MILLION PER INCIDENT?

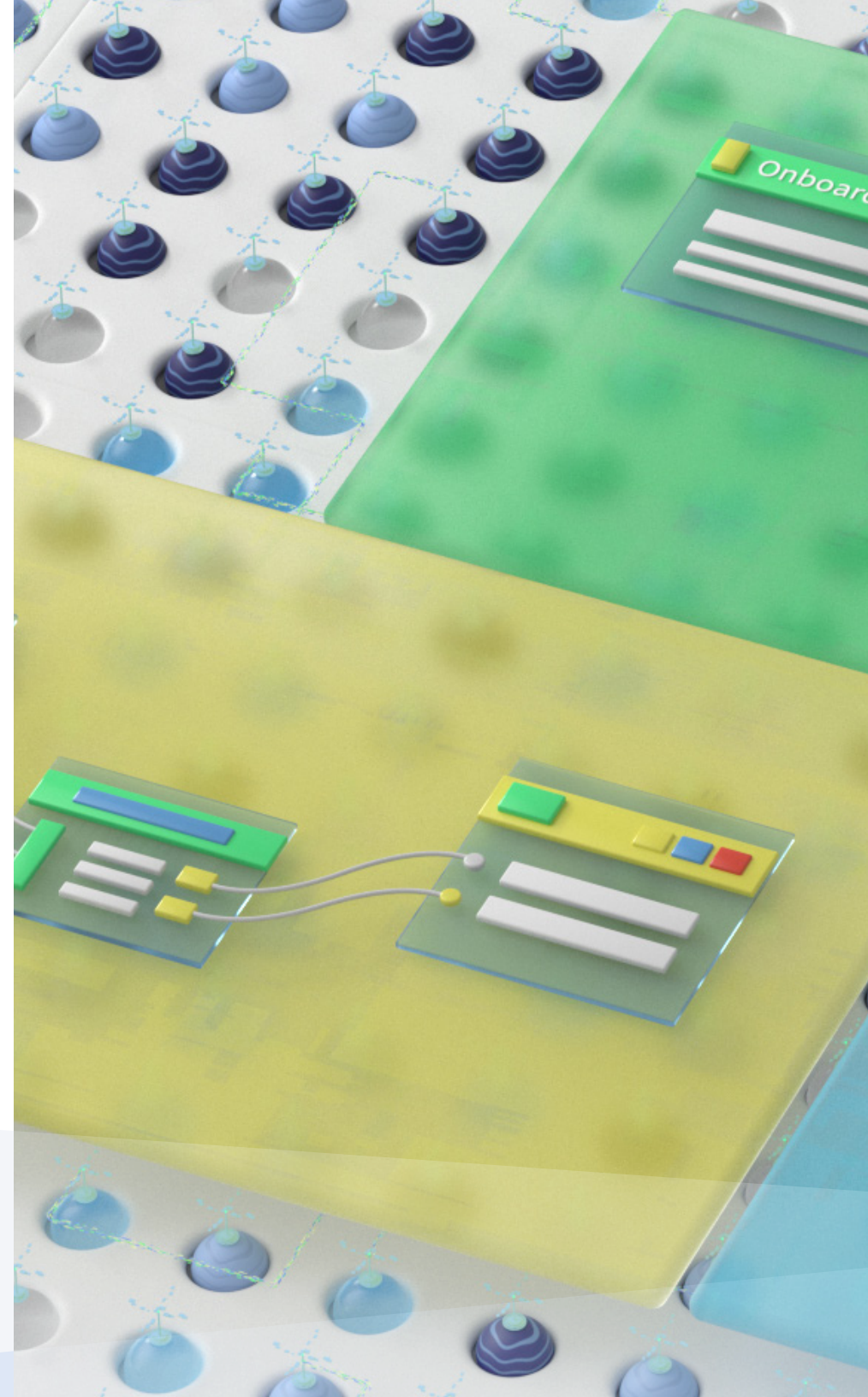
iPaaS Use Case: **Onboarding/Offboarding Employees**

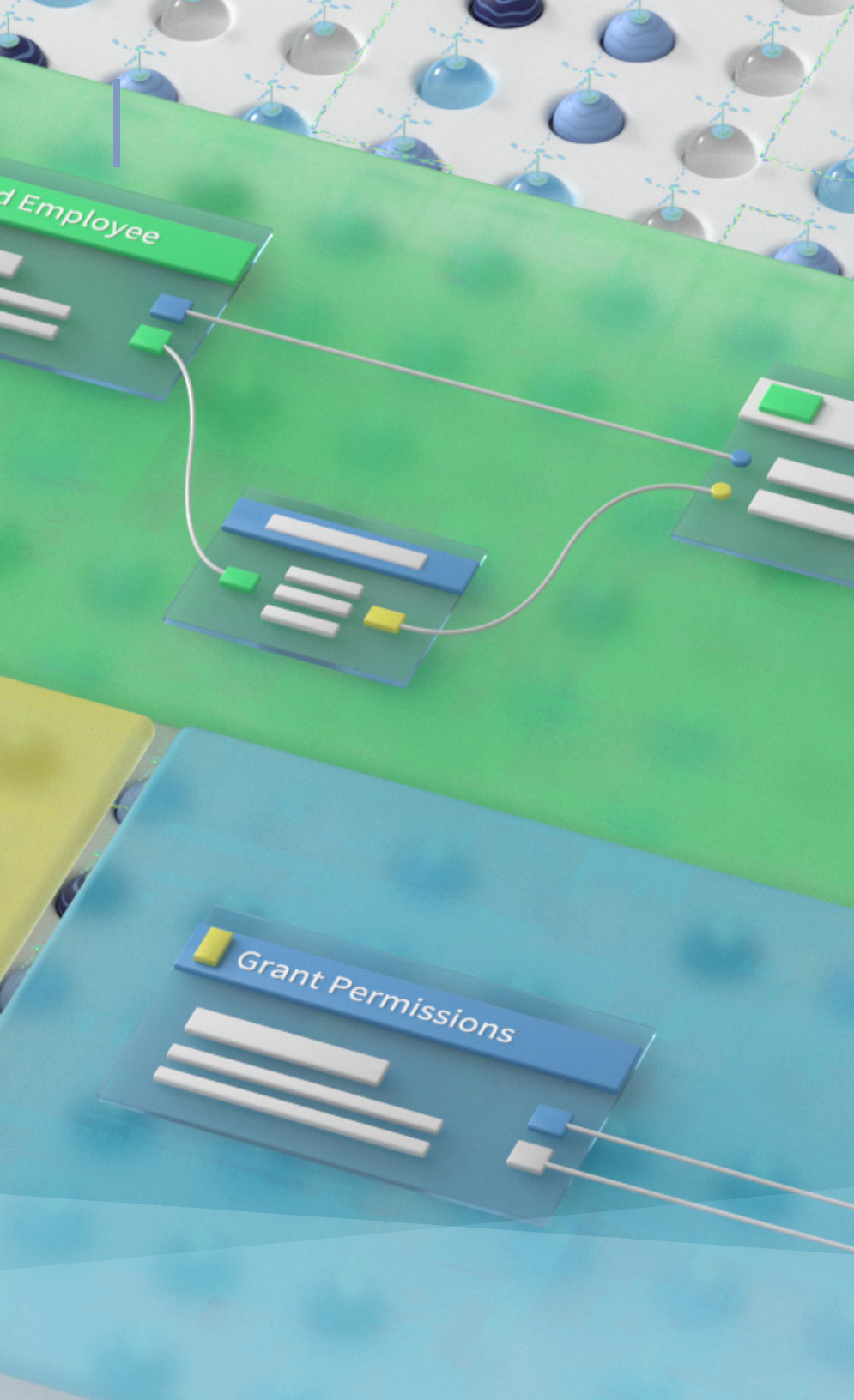
One of the most complex, time consuming processes for any human resources and IT department is the onboarding and offboarding of employees. When you have iPaaS with IT Process Automation (ITPA) you can build out workflows that automate the processes – using data from multiple systems, communicated back and forth.

When a new employee joins a company there are usually several things that need to happen. For example, an employee record needs to be created in the HR system, and that needs to replicate to the payroll system. Each employee will have access to anywhere from 5 to 50 different applications – each of which require access levels / permissions to be setup.

Chances are there's also a performance management system and employee survey widget too. Permissions need to be created, along with login IDs and temporary passwords... the list goes on.

With iPaaS you can set up workflow routines that will trigger to automatically complete much of this onboarding / offboarding experience. Free up resources and respond faster for improved productivity and customer satisfaction.





iPaaS Use Case: **Grant Permissions**

We all know how frustrating it can be to try and change information, like name and address, or request new permissions to systems when the process lacks automation. Rather than consuming hours of IT resources to make changes across 15-30 systems, a single request can kick off a process that will touch all of these systems. **You build it out once, using a visual flow builder – codeless and painless.**

Save time, money and frustration using drag & drop flow building to quickly create workflows.



5 Key Benefits of iPaaS with Automation

- 1** It's cost effective. Managing a plethora of API's and connectors can be complex and time consuming if done manually. By implementing iPaaS – you can supercharge your team to be more efficient and effective, saving you both time and money.
- 2** Create the Golden Record. iPaaS makes it easy for anyone within your organization or business to get the data they need, when they need it; keeping you in sync.
- 3** There's less human error. Because iPaaS allows users to store all data in a single location and set parameters for organizing and accessing it – there are less errors. Both the application of data analysis, and the interpretation of the analysis are more accurate as a result.
- 4** It improves security and compliance. Security is one of the greatest concerns when it comes to cloud-based solutions. With iPaaS, businesses can enable features like intruder alerts or fraud detection to help minimize the risk of security breaches that can result from using APIs without the controls of an iPaaS.
- 5** It allows your employees to be more efficient. With iPaaS, you can do more with less and be more efficient in the process. iPaaS with process automation will minimize downtime, delays, and labor by automating repetitive tasks. This gives businesses and organizations the benefit of improved productivity and response times.

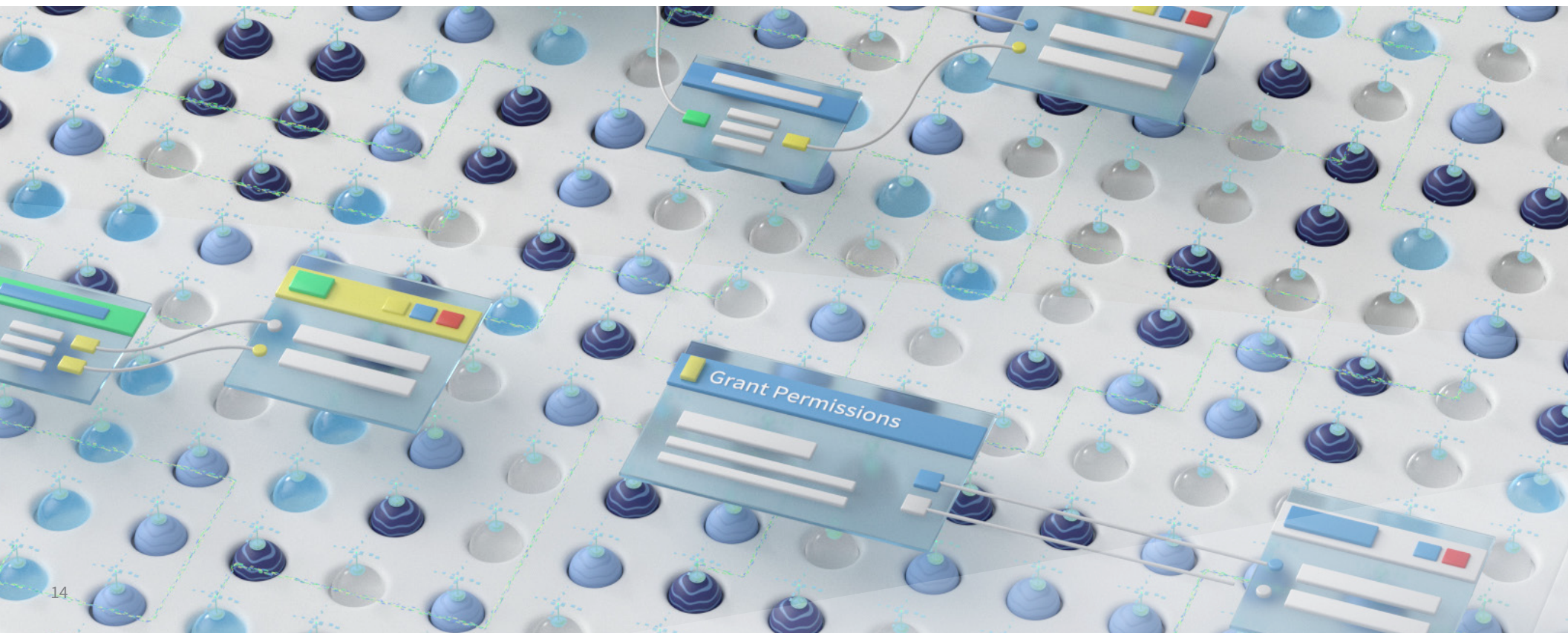
iPaaS is important now, more than ever

The events of 2020 have highlighted the need for business and organizations of all shapes and sizes, across industries, to prioritize digital transformation through cloud-based solutions – and iPaaS is the best option to eliminate the pain points that arise when connecting systems.

With iPaaS you can streamline all applications and data across your organization making you more effective and productive. iPaaS doesn't just lessen the burdens of rapid digital transformation - it allows you to meet the demands of the current climate and take advantage of the opportunity to improve your IT infrastructure. Those hours saved due to efficiencies add up over time, allowing you to do more with less.

Watch Automation Take Off

When shopping for an iPaaS solution, it is critical that it does more than simply connect your various systems. iPaaS *with* ITPA (IT Process Automation) will automate processes and eliminate the need for repetitive tasks. When you combine iPaaS with IT process automation (ITPA) you have a powerful platform that users can leverage to simplify the most complicated processes - like onboarding and offboarding employees, name changes and permission settings. You can even automatically restart services based on an alert trigger.



Life is complicated, we make it easier.

When you make the move to an iPaaS solution that includes automation – you’re getting more than just out-of-the-box connectors and API security, you’re getting a platform that helps you automate some of the most complex and time-consuming tasks.

Our unified, easy-to-use platform supports everything from your most basic everyday needs, to complex workflows and automations – allowing you to focus on what matters most.



“We are impressed with the ease-of-use, the OOTB connector libraries, and the connector concierge offered in TDX iPaaS. We also like the visual flow builder which was created using similar methodologies to Google Blockly or MIT Scratch.”

RAJESH PARAB

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