



BUILD CONSISTENT USER EXPERIENCES WITH DX ACCELERATOR FOR PEGA

Multiexperience development platforms are the future of application development.

Are you ready to embrace it?



Specialized
Partner

Customer Service
Delivery
Intelligent Automation

Overview

In order to meet the ever-changing user and industry demands, many development platform vendors are expanding their value proposition beyond mobile apps and web development. This results in the emergence of multiexperience development platforms, which are used in developing chat, augmented reality (AR), voice, and wearable experiences to support digital transformation.

In 2022, the worldwide market for multiexperience development platforms was projected at [\\$2.7 billion](#). Over the next five years, it is likely to reach \$7.2 billion, registering a CAGR of 21.8%. Some of the main factors that are driving the market include the growing need for rapid customisation and scalability, growing penetration of mobile devices and the internet, increasing need for custom mobile app development, and quickly increasing digitalisation among industries.

In this white paper, we discuss how our DX Accelerator can help businesses future-proof their multiexperience application development using Pega.

What is the Pega Digital Experience (DX) API?

The Pega Digital Experience (DX) API is a set of model-driven API endpoints that allow developers to view, create, and update Pega cases and assignments remotely. Developers can use these endpoints to build custom front-end experiences. As a result, you can build consistent, out-of-the-box user experiences for Pega applications without encoding business logic into every channel.

Unlike a traditional API, the case or assignment UX information in the DX API's response includes information on UI elements, layout, actions, and styling. DX API leverages Pega's user interface rules together with Pega's business rules to return JSON-equivalent structures that you can render with your native interface.





The Challenge:

Pega provides SDKs and starter kits, however, to support full-scale multiexperience app development, digital teams still have to carry out a significant amount of development work outside of the Pega platform. This increases resourcing and Pega knowledge requirements to both develop and support the connector moving forward.

In addition developers will have to consistently check applications to avoid breaking changes from new SDK releases. This may lead to costly redesign efforts.



Our Solution: DX Accelerator

Over the last five years, we have been actively involved in multiple deployments of the DX API and DX API v2.0. We have experienced and consulted on, many key challenges that organisations face during the implementation. Our DX Accelerator is a powerful solution that alleviates these challenges. We have developed our proprietary library to empower clients looking to use the DX API.

How DX Accelerator Helps

The DX Accelerator addresses the challenges faced when implementing the DX API. It is a front-end agnostic, scalable, and extensible set of libraries. It has been designed for ease of implementation, greatly accelerating any developments using the DX API. We have abstracted the complexity of implementation and packaged it into an easy-to-use, versioned set of libraries.

The DX Accelerator allows you to render pixel-perfect Pega screens using your own design system, with limited knowledge of both Pega and front end. You are now able to extend the low-code capability of Pega into the front end via the intelligent mapping system which allows you to be up and running in hours.

Features of DX Accelerator

01



Independent Core Engine

The core engine is independent of any front-end framework and promotes decoupled architectures.

02



TypeScript Based

DX accelerator offers support for the TypeScript programming language by adding high-quality type definitions. This helps provide scalability.

03



Front-end Agnostic

You can future-proof your application development by not committing to a single front-end framework.

04



X-ray Vision

You can visualize code and lower architecture through a user interface (UI) for faster debugging.

05



Custom Components

DX API supports custom components for multiexperience app development.

06



Mocking Server

A mocking server includes pre-recorded scenarios, which are independent to any Pega installation.

07



Isolated Environment

Your front-end developers don't need Pega accounts. They can work in a completely isolated environment with no disturbances from outside.

08



Automated Testing

DX accelerator also supports automated testing. You can expect guaranteed behaviour from the front end.

09



Reference Implementations

Fully described e2e test scenarios are also included.



Benefits of DX Accelerator



Speed to Market

Developers don't need Pega-specific knowledge or extensive frontend knowledge. As DX Accelerator is front-end agnostic, you can futureproof Pega for design system changes.



Easy Integration

It's a low-code solution that supports easy integration with any design system.



Cost Reduction

DX Accelerator reduces team size requirements. It guarantees application behaviour through pre-recorded scenarios and automated e2e testing. You can also lower cost by reducing debugging through X-ray vision and pre-deployment scenario testing.



Simplified Development

As it is versioned as a library, updates to the system are faster. There is no need to implement breaking changes.



Conclusion

Our DX Accelerator empowers companies to consistently deliver stellar experiences across digital channels. You can easily develop multiexperiences without facing any technology limitations that create disjointed customer experiences and siloed solutions. [Get in touch](#) to learn more.



About labb

Labb is a digital transformation and services consultancy. We specialise in providing expertise to Pega, and Pega's strategic partners and customers, driving governance, quality and the extendability of the Pega toolset. Visit our [website](#) to learn more.