

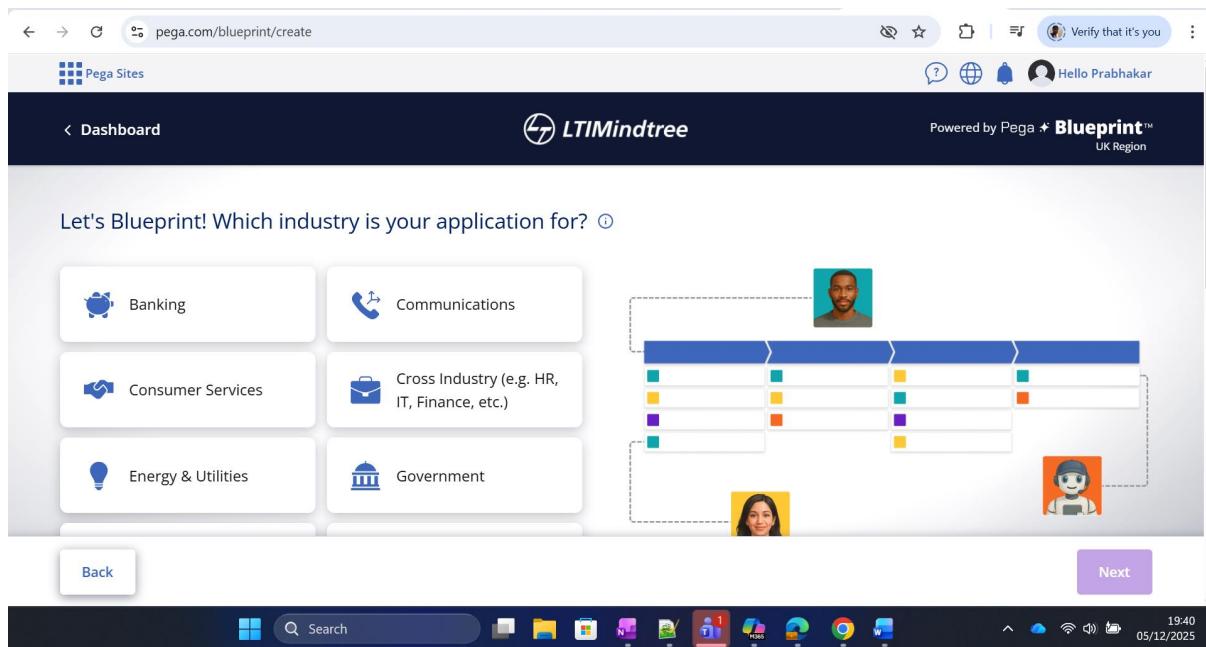
Creating a New Application Using Pega GenAI Blueprint

key benefits of using the GenAI Blueprint feature in Pega

1. Accelerated Application Development
Blueprints automate the initial setup of case types, data models, and workflows, reducing manual effort and speeding up development.
2. Consistency and Standardization
They ensure that applications follow best practices and maintain a consistent structure across projects.
3. Easy Customization
Developers can quickly modify stages, steps, and data types generated by the blueprint to align with specific business requirements.
4. Improved Collaboration
Blueprints provide a clear visual representation of the application design, making it easier for business and IT teams to collaborate.
5. Reduced Errors
By automating repetitive tasks and generating predefined components, blueprints minimize human errors during initial setup.
6. Seamless Integration
Blueprints support integration with external systems for identity verification, payment processing, and compliance checks.

Step 1: Select Industry

As a developer, start by selecting the industry for which you are building the application from scratch. For this example, select Other and click Next.



Step 2: Provide Application Details

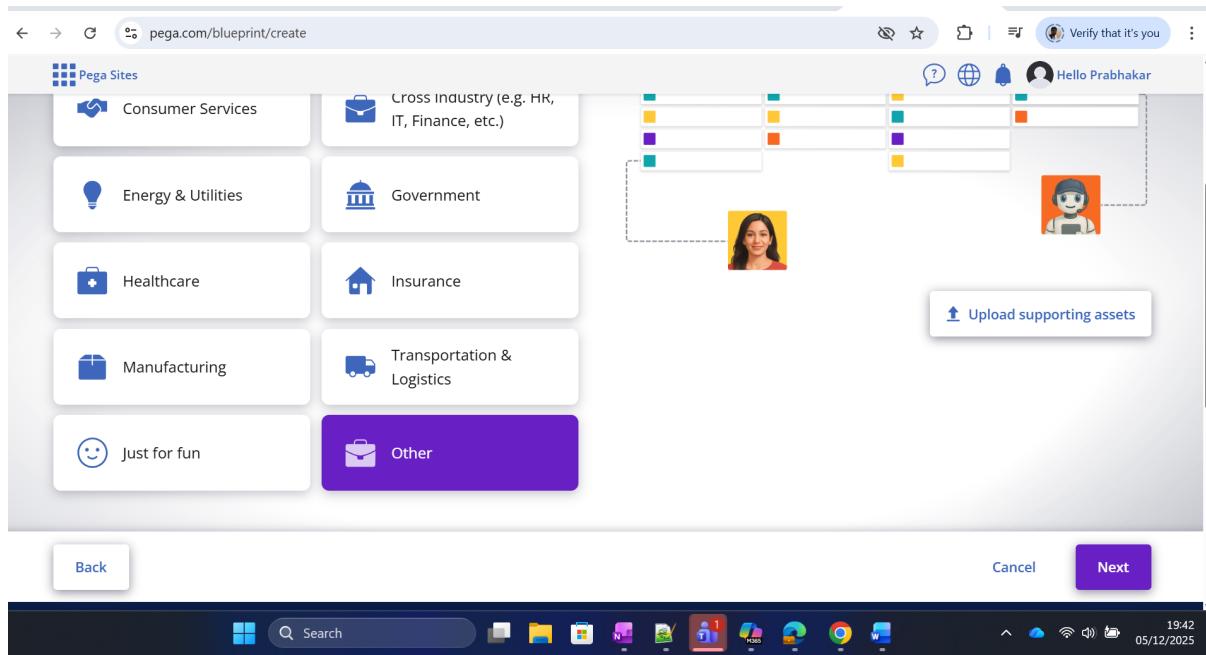
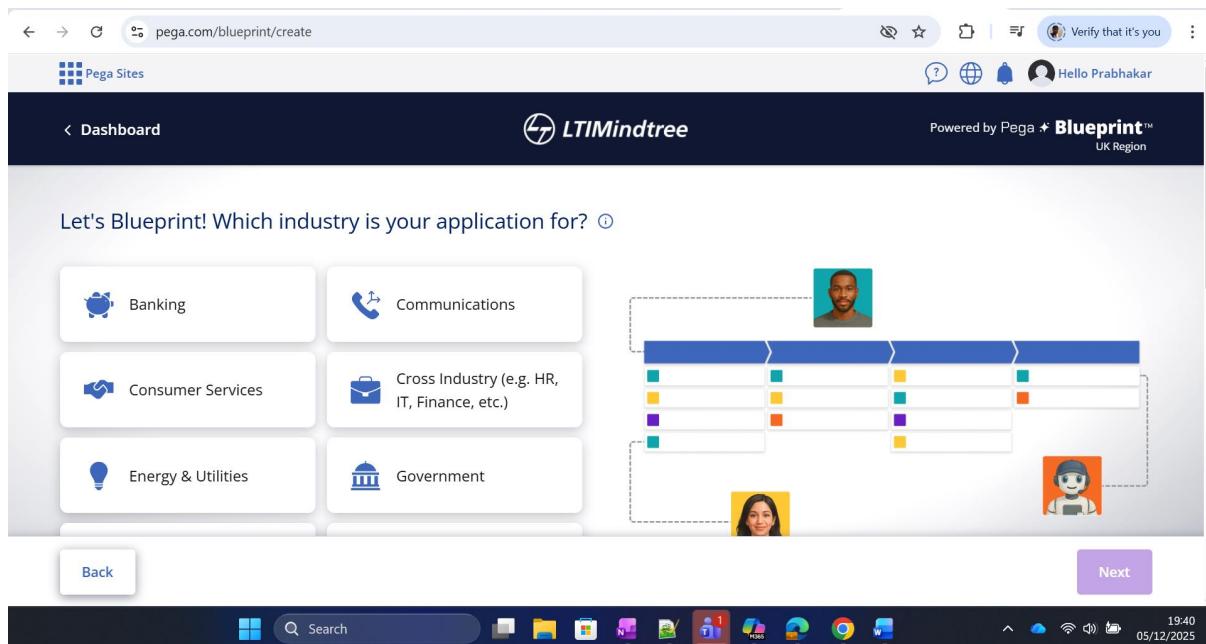
Enter the application description. For this guide, we are building a Passport Application using the Pega Platform.

Description

This application facilitates the end-to-end process of applying for a new passport through an automated workflow built on the Pega platform. It enables applicants to:

- Submit personal details
- Upload required documents
- Schedule appointments
- Track application status seamlessly

The solution ensures compliance with government regulations and integrates with external systems for identity verification and payment processing.



Step 3: Generate Blueprint

After clicking Next, the blueprint is generated with case types based on the business requirements provided. The workflow and data model are automatically prepared. You can:

- Modify stages or steps as needed
- Add alternate stages manually for each case type

The screenshot shows the Pega Blueprint interface for defining workflows. At the top, a banner says "Let's define your workflows using Pega Case Types." Below it, three case types are listed:

- Passport Application**: The process of applying for a new passport involves the submission of personal details, uploading required documents, scheduling appointments for verification, and tracking the application status. This case type manages the entire lifecycle from application submission to passport issuance.
- Identity Verification**: This case type ensures the verification of an applicant's identity by integrating with external systems and databases. It involves verifying the provided identity documents, biometric verification, and ensuring compliance with government regulations.
- Appointment Scheduling**: Manages the scheduling of appointments for document verification and biometric capturing. This case type includes booking appointments, sending reminders, and tracking appointment status.

At the bottom, there are "Back", "Save & Close", and "Next" buttons. The taskbar at the bottom shows various application icons.

Step 4: Review Data Types

The blueprint also generates data types based on the defined case types. Review these data types and make adjustments if necessary.

The screenshot shows the Pega Blueprint interface for defining data objects and integrations. The title is "BP-1030264 Passport". A navigation bar at the top shows steps 1 through 6: Application Context, Workflows, Workflow Details, Data & Integrations (which is the current step), Personas, and Summary.

Under "Data & Integrations", two data objects are listed:

- Personal Information**: DATA OBJECT • System of record: Pega(Local). Represents the applicant's personal details such as name, date of birth, address, and contact information. This data object stores critical personal data required for identity verification and processing the passport application.
- Document**: DATA OBJECT • System of record: Pega(Local). Stores details of documents uploaded by the applicant, including document type, issue date, and expiry date. This data object is linked to the external system for verification and is essential for complying with government regulations.

At the bottom, there are "Back", "Save & Close", and "Next" buttons. The taskbar at the bottom shows various application icons.

Step 5: Creating personas

After the blueprint generates the data types, click **Next** to proceed. At this stage, the system will automatically create the required personas.

The screenshot shows the Pega Blueprint interface for a 'Passport' application. The top navigation bar includes links for 'Dashboard', 'LTIMindtree', and 'Powered by Pega + Blueprint™'. A user profile 'Hello Prabhakar' is visible on the right. Below the header, a progress bar shows steps 1 through 6: Application Context, Workflows, Workflow Details, Data & Integrations, Personas (highlighted in purple), and Summary. Step 5 is titled 'Personas' and contains a list of two personas: 'Passport Applicant' and 'Application Verifier'. Each persona has a small profile picture, a title, and a brief description. A blue button labeled 'Preview my app' is located at the bottom of this section. Navigation buttons 'Back' and 'Next' are also present. The bottom of the screen shows a Windows taskbar with various pinned icons and the date/time '05/12/2025'.

Step 5: Download and Upload Blueprint

Once the blueprint is prepared:

The screenshot shows the Pega Blueprint interface for a 'Passport' application, specifically on the 'Summary' step (step 6). The top navigation bar and user profile are identical to the previous screenshot. The progress bar shows steps 1 through 6. Step 6 is titled 'Summary'. At the top of this section, there are four buttons: 'Download PDF', 'Download Blueprint' (which is highlighted in blue), 'Share', and 'History'. Below these buttons, the 'Application Context' section is expanded, showing details such as Organization name (LTI Mindtree Limited), Location (India), Industry (Other), Language (English), Application purpose (Passport), and Functional description (a detailed explanation of the application's purpose and how it facilitates the end-to-end passport application process). A blue 'Preview my app' button is located at the bottom of this section. Navigation buttons 'Back' and 'Next' are also present. The bottom of the screen shows a Windows taskbar with various pinned icons and the date/time '05/12/2025'.

1. Download the blueprint file.



2. Log in to the Pega Community Edition and access the Pega Platform.

EXPIRES DEC 08, 2025

Community Edit... READY

Our Community Edition trial allows users with a developer mindset to go deeper into the capabilities of Pega Platform.

Not seeing your trial? If you just signed up for a trial, it may take a few minutes to appear. Continue to refresh this page until you see it above.

Get Help

3. Navigate to New Application Wizard, which redirects to the Blueprint screen.

APP STUDIO Overview Application : HR Services

HR Services Edit

Version: Pega Infinity '25.1.1 About

Application documents Export

Extend your application Import a Blueprint

Design for the future Export as Blueprint

Get your application to production

User stories: 0 of 99 stories done

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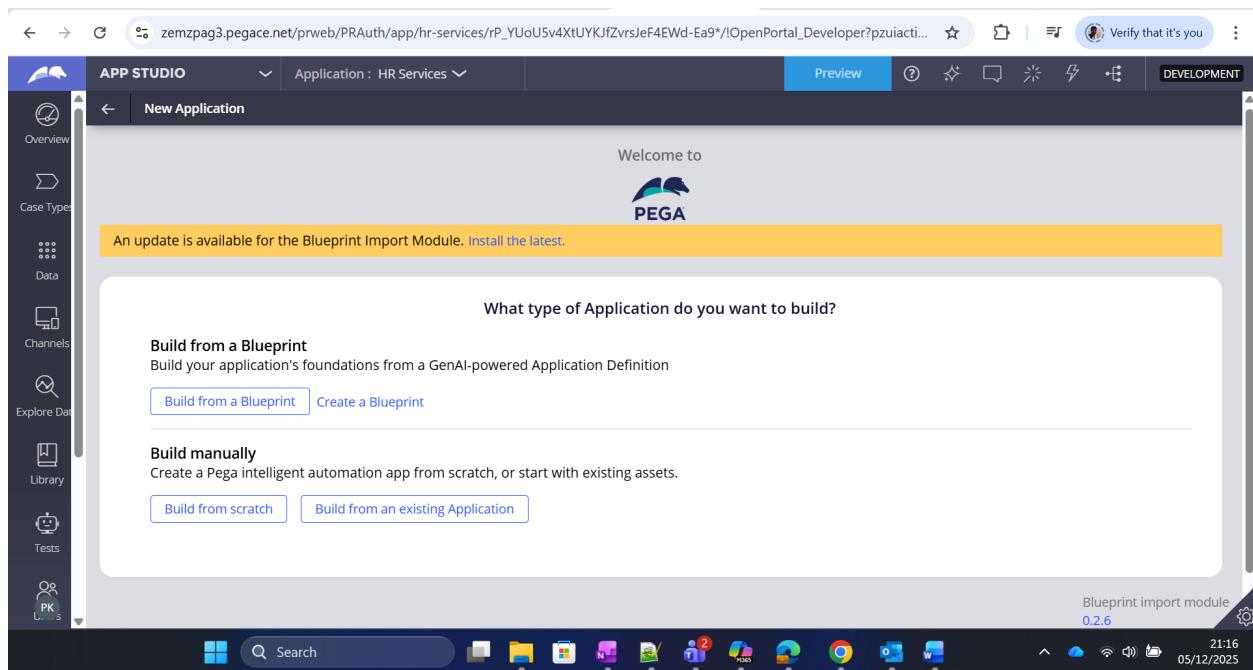
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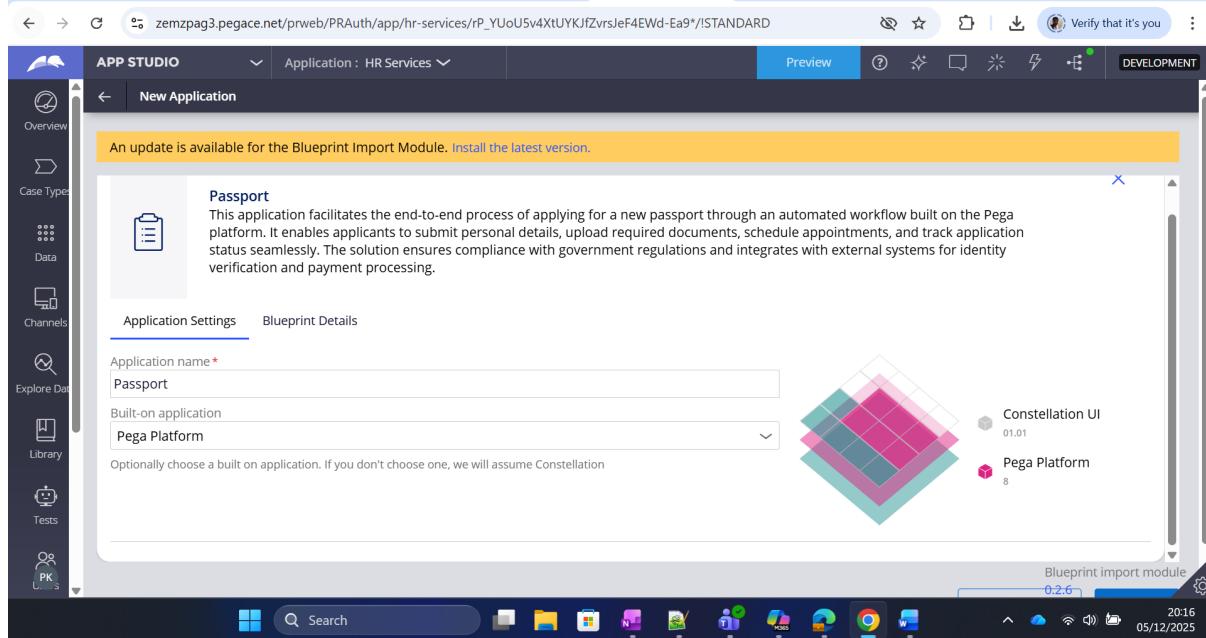
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4. Upload the prepared blueprint or create a new one manually if required.



Step 6: Preview and Confirm

After uploading, review the blueprint details in the preview screen. Once confirmed, the blueprint is successfully uploaded into the Pega Platform. All rules and objects will be created under the BP-2 branch.



zemzpag3.pegace.net/prweb/PRAuth/app/hr-services/rP_YUoU5v4XtUYKJfZvrsJeF4EWd-Ea9*/ISTANDARD

An update is available for the Blueprint Import Module. [Install the latest version.](#)

status seamlessly. The solution ensures compliance with government regulations and integrates with external systems for identity verification and payment processing.

Application Settings Blueprint Details

Business needs

Who is this for?

| | | |
|---|-------------------|---------------------|
| Organization Name LTI Mindtree Limited | Industry Other | Language English |
|---|-------------------|---------------------|

What should it do?

Application purpose
Passport

Functional description
This application facilitates the end-to-end process of applying for a new passport through an automated workflow built on the Pega platform. It enables applicants to submit personal details, upload required documents, schedule appointments, and track application status seamlessly. The solution ensures compliance with government regulations and integrates with external systems for identity verification and payment processing.

Case Types Data Objects Personas Sample Data

Customize build Build now Blueprint import module 0.2.6

2017 05/12/2025

This screenshot shows the Pega APP STUDIO interface. The left sidebar contains navigation links for Overview, Case type, Data, Channels, Explore Data, Library, Tests, Users, and AI Design. The main content area displays the 'Blueprint Details' tab for an application named 'HR Services'. A yellow banner at the top indicates an update for the Blueprint Import Module. Below the banner, a message states that the application facilitates an end-to-end passport application process. The 'Business needs' section includes fields for Organization Name (LTI Mindtree Limited), Industry (Other), and Language (English). The 'What should it do?' section specifies the application purpose as 'Passport'. The 'Functional description' provides a detailed explanation of the application's features, mentioning an automated workflow, personal detail submission, document upload, appointment scheduling, and status tracking, all while ensuring compliance with government regulations and integrating with external systems for identity verification and payment processing. At the bottom, there are tabs for Case Types, Data Objects, Personas, and Sample Data, along with buttons for 'Customize build', 'Build now', and the 'Blueprint import module' version (0.2.6).

zemzpag3.pegace.net/prweb/PRAuth/app/hr-services/rP_YUoU5v4XtUYKJfZvrsJeF4EWd-Ea9*/ISTANDARD

Congratulations!

Your Blueprint has been successfully built.

Objects built in **BP-2** Branch:

- 5 Case types
- 6 Data Objects
- 6 Personas
- 3 Channels

Optionally, add users. Build better applications as a team.

Select a user or add user by email address... Authors Add

Prabhakar Kamireddy (You)
Authors

Go to new application

Blueprint import module 0.2.6

2017 05/12/2025

This screenshot shows the Pega APP STUDIO interface after a successful build. The left sidebar is identical to the previous screenshot. The main content area displays a 'Congratulations!' message stating that the Blueprint has been successfully built. It lists the objects built in the 'BP-2' branch: 5 Case types, 6 Data Objects, 6 Personas, and 3 Channels. Below this, there is a section for adding users, with a placeholder 'Select a user or add user by email address...' and buttons for 'Authors' and 'Add'. A user profile for 'Prabhakar Kamireddy (You)' is shown under 'Authors'. At the bottom right, there is a button to 'Go to new application' and a note about the 'Blueprint import module' version (0.2.6). The bottom of the screen shows a taskbar with various application icons and the date/time (05/12/2025).