

Pega's X-ray Vision

Enable AI assistance for fast citizen development

Build sophisticated automation with ease

The biggest challenge with robotic process automation (RPA) development is identifying the application user interface (UI) controls required for automation. Manual control identification is tedious and time-consuming. It's also a leading constraint to meeting RPA objectives quickly. Additionally, application controls change frequently, leading to the potential risk of dealing with broken bots.

X-ray Vision, part of Pega Robot Studio, is a system to identify application controls automatically and update when they change. By eliminating these specific manual development tasks, automations can go into production much faster. Additionally, X-ray Vision can:

- **Use artificial intelligence (AI)** and machine learning (ML) to fix automations in real time, creating a dramatic reduction in bot maintenance cost and downtime
- **Empower citizen developers** to automate more sophisticated applications
- **Use AI and ML** to continuously learn from application controls – becoming even smarter through increased application use
- **Optimize automation** in real time for performance and stability

Challenge

Building automations beyond simple RPA use cases has historically required complex manual coding and technical control identification efforts. These efforts are time consuming and error prone, requiring advanced RPA developers at every stage and slowing time to business benefit. Manual control identification also drives up cost, fragility, and bot breakage.

Solution

Pega X-ray Vision simplifies the most complicated and time-consuming aspects of automation development. X-ray Vision reduces the amount of technical development needed, empowering enterprises to build faster and more accurate self-healing automations – without sacrificing the power of Pega's patented Deep Robotics RPA technology.

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Before X-ray Vision, all RPA solutions required some type of manual control matching to build multi-faceted robotic automations. With X-ray Vision, Pega removes this common barrier to enable RPA solutions to be built more rapidly – by more people and at greater scale. X-ray Vision builds upon Pega's patented RPA technology to enable the easy building of robust and resilient robotic automations – leading to faster business outcomes with a dramatically reduced risk of broken automations.

- **Deep Robotics:** Pega's patented, in-memory UI integration technique allows for automation at the deepest level of the application, resulting in faster and more accurate automations.
- **Intelligent Recording:** X-ray Vision also powers Pega Intelligent Recording, enabling users to fully generate robotic automation simply by recording the steps of a process.
- **End-to-end automation:** Any robotic automation built with Pega's X-ray Vision capabilities can be orchestrated as part of an end-to-end process for case management. It connects the automations to various other bots, human actions, APIs, and systems to achieve a complete outcome on a unified platform.