



Kofax Kapow

"With Kofax Kapow, the entire process takes just seconds and is fully automated, which saves us huge amounts of time and effort. Teams can deliver all the loan documentation required for quality control or audits faster than ever before, with full confidence that nothing has been overlooked."

Reginald L. Brown

Sr., Vice President, Electronic Imaging Manager, Consumer Lending Imaging and File Management, Union Bank



Fully automate the processing of information to drive greater employee productivity, reduce costs, increase operational efficiency and deliver insight into critical business decisions.

At the center of every successful business is information that needs to be quickly accessed, processed and acted on. The challenge for every enterprise organization is that the information is typically scattered across internal systems, including legacy applications, and external sources such as web sites and portals, making it extraordinarily difficult to integrate and automate all data-driven activities.

As IT departments struggle to respond rapidly to the more pressing needs of business groups, key automation initiatives tend to get postponed, rescheduled or forgotten. **The result:** manual work lives on and the status quo for inefficient operations remains.

The Kapow Platform

Robotic Process Automation (RPA) enables you to create a intelligent digital workforce that works side-by-side with your employees to drive greater efficiency. RPA eliminates almost any manual data-driven activity; intelligent software robots comprising powerful and dynamic process flows automate the tasks that humans would otherwise perform, while complementing other automation platforms.

The Kofax Kapow™ robotic process automation and integration platform is the fastest and most efficient way to build intelligent robots that handle processing of information from virtually any application or data source, including websites, portals, desktop applications and enterprise systems—without any coding.

Kapow lets you quickly build, deploy and manage automated software robots that communicate bi-directionally across internal enterprise systems, web sites, web portals, desktop applications and other data sources, without requiring APIs and complex integration coding. The end result is that companies can quickly gather up vast amounts of data from external sources, such as web sites, and automate virtually any front and back office process by simply deploying intelligent robots that mimic the actions of the user, while also applying business logic and rules along the way. The business benefits are increased productivity, operational efficiency and a rapid ROI, powered by non-disruptive integration and automation technology that can be rapidly implemented.

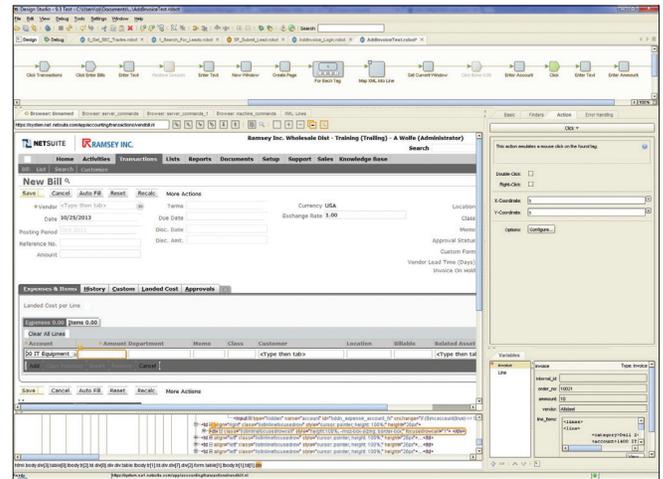
Overview

Features

- ▶ Build sophisticated intelligent robots that automate specific data-driven activities, or develop custom solutions that encompass many robots.
- ▶ Centralized server-based robot deployment and management with a scale-out architecture, load distribution, and fail-over at management console and robot server level.
- ▶ Integrated browser engine that delivers superior web application automation support and supports the execution of multiple robots concurrently on a single server, versus relying on a desktop browser (e.g. Internet Explorer) to run.
- ▶ Automated extraction and transformation of data from enterprise applications, databases, web sites, portals, Excel and more.
- ▶ Automate process activities using intelligent rules-based robots that interact with enterprise applications like CRM, ERP and ECM systems.
- ▶ Easily build and publish robotic integration flows as lightweight business applications for human-assisted robot execution.
- ▶ Integrate data with business systems, processes, databases, data warehouses and business intelligence tools.
- ▶ Centralized monitoring of robots, including auditing of all robot process and user activity.
- ▶ Adheres to IT standards and provides role-based security administration.

Benefits

- ▶ Business analyst can quickly design intelligent robots, yet Kapow is powerful enough for programmers to build custom robotic application solutions.
- ▶ Build intelligent robots that streamline the collection of important business data and integrate into your business decisions.
- ▶ Gain operational efficiency by infusing robotic speed, intelligence, efficiency and quality into your business processes.
- ▶ Free your employees from repetitive tasks so they can apply their skills to activities that require a human touch.
- ▶ Complete processes the same way, every time—resulting in more accurate and reliable outcomes.
- ▶ Matches the speed of your business needs through agile robotic automation development.



Kapow Design Studio supports rapid, point-and-click creation of intelligent robotic automation and integration flows.

Integrate Information from Any Application and Source

The Kapow platform delivers access to structured and unstructured data in databases, file and email systems, web sites, portals, legacy systems, enterprise applications and other data sources. It handles the most complex requirements for dynamic sites built with JavaScript and AJAX techniques, legacy mainframe systems, accesses databases and extracts data from Excel, XML, XLS, PDF, RSS feeds and from APIs based on SOAP, REST, XML and JSON.

The Kapow Synthetic API™ technology enables you to wrap an existing application and simulate API functionality without coding. The Synthetic API approach requires no changes to the underlying application, but still leverages the application's business rules and built-in security, while providing bi-directional interaction with applications with full support for CRUD (create-read-update-delete) operations.

Design Intelligent Robots without Coding

The Kapow Design Studio is a visual, fully integrated development environment (IDE) for codeless building of software robots that integrate and interact in an intelligent manner with virtually any application and data source.

Its unique point-and-click design environment enables you to build automated integration flows in a fraction of the time it would take using classic integration tools. The Kapow Design Studio is technology agnostic, enabling designers to build software robots that automate the human interactions with any application. Robots supports common platforms (mainframe, Windows, Java and web) presented in a variety of interfaces including thin client, thick client, web browser and terminal screens.

Kapow is designed to support interactive web technologies using HTML5 and advanced JavaScript frameworks, including the ability to save browser sessions to be used as data objects across integration steps for improved efficiency when building data integration flows. Alternatively, Kapow robots natively interact with existing APIs and web services by directly editing XML or JSON.

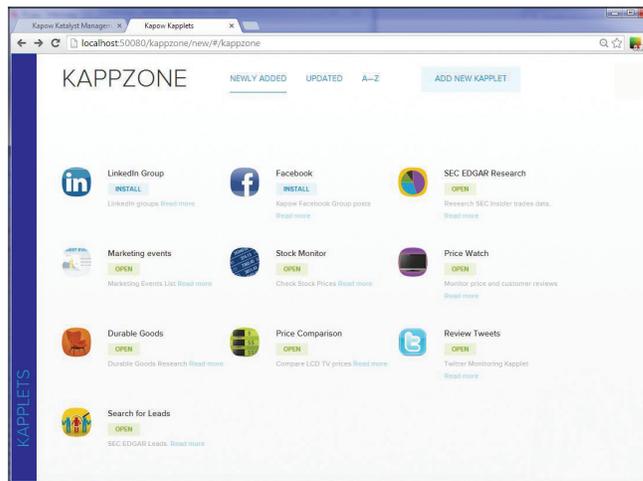
Design Studio includes an integrated debugging environment for instant error correction and refining robot flows before they are deployed into production.

Publish and Manage Robots with Management Console

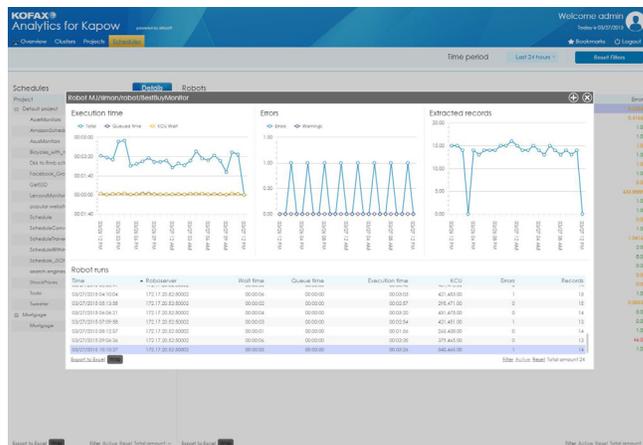
Once built, integration flows are uploaded to Kapow Management Console. From here, software robots are scheduled for batch or on-demand execution, or published as lightweight business applications called Kapow Kapplets™ for use by business users.

The Management Console provides the governance and monitoring of the Kapow platform, including role-based administration, which allows secure, granular control over integration projects, access rights and viewing of integration results.

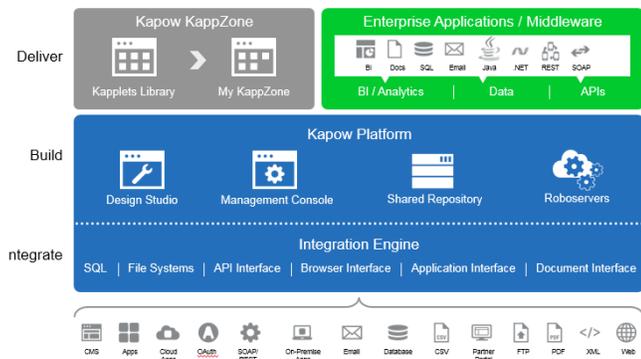
The Management Console manages the deployment of integration flows as REST and SOAP web services and enables integration with data endpoints such as Excel, email, SQL or NoSQL databases. It also automatically creates APIs to be consumed by another Java or .NET application or business intelligence tool.



Kapow KappZone contains the library of lightweight business applications available to the business user.



Kofax Analytics for Kapow delivers out-of-the-box robot operations and system performance dashboards.



“Kapow brings incredible value to our business users by making them more efficient and productive. With Kapow, we spend less time on manual processes to access and prepare data and more time to make new discoveries.”

Lars Johnsen

Chief Content Manager, Schultz

Operational Monitoring and Analytics

Kofax Analytics for Kapow delivers out-of-the-box dashboards focused on robot operations and system performance. It delivers interactive views of system performance and integration flow metrics to better enable administrators to monitor and analyze system performance and integration flows (robot runs), and detect problems with data sources and performance issues.

Kapow Platform Highlights:

The Kapow platform integrates readily into any IT environment by supporting a wide variety of enterprise standards.

Robot Design and Deployment: The Kapow Design Studio features design, deployment, QA and production support tools, including performance dashboards, a scheduler and viewers for data sources and targets.

Integrated Debugging Environment: Provides visual step-by-step execution and breakpoints, and is useful for error checking.

Technology Agnostic: Supports all types of application environments including mainframe, Windows, Java and web. Robots interact with a variety of interfaces including thin client, thick client, web browser and terminal emulator.

Robotic Synthetic API: Robots expose a REST service, Java or .NET API endpoint, which designers can use to control robotic processes from external applications and remote systems.

Centralized Robot Deployment: Robots are deployed, managed and executed from a centralized server, and communicate with applications running in a virtualized environment.

Enterprise Message Queue: Handles all the communication and orchestration of software robots between the server, web sites, portals, and remote and virtualized desktops.

Read/Write Access to Data Endpoints: Enable read/write capabilities to Oracle, DB2, SQL Server, MySQL, PostgreSQL, Sybase and NoSQL databases.

Business Intelligence and Data Analytics Support: Delivers data to Kofax Insight, SAP Business Objects, Tableau, Qlik and other business intelligence tools.

Support for Multiple Data Types: Leverage data transformations for database types (binary, timestamp, varchar, char, etc.), HTML, XML, JSON, CSV, PDF and JavaScript.

Support for Regular Expressions: Data mapping and conversions (string, numeric, date, time), as well as support for multi-byte and bi-directional character sets.

Visual Data Exploration and Processing: Lightweight business applications called Kapow Kapplets can be designed to execute robots based on set parameters or present data back to a business user.

Flexible, Scalable Deployment: Stateless, multi-threaded architecture that easily scales deployments; choose on-premise enterprise deployment or provisioning in the cloud.

Extensive Security Controls: Role-based access to the platform and connection with LDAP, Active Directory or built-in user management capabilities to secure access to the KappZone.

Auditing and Logging: Alerts and a complete historical record of every transaction. Authenticates against sites and web services using user ID/password, basic authentication, NTLM, OAuth or digital certificates. Complete logging of user and robot activity is captured.

Standards-Based Governance and Management: Platform includes a management console for system management and monitoring. Management Console can also work with existing JMX/SNMP-based management tools such as IBM Tivoli, HP OpenView, Oracle Enterprise Manager and CA Unicenter.

Discover more about Kofax Kapow at kofax.com