

RAPIDLY BUILD MODERN APPLICATIONS WITH BUSINESS AUTOMATION

SOLUTION BRIEF

BUSINESS AUTOMATION REQUIREMENTS:

- Provide an agile, flexible, and seamless way to respond to new opportunities
- Easy to use and manage.
- Facilitate rapid application development within days or even hours
- Free up burdened IT staff to concentrate on the backbone of digital business
- Support DevOps collaboration across the enterprise
- Integrate well with cloud-based solutions

BUSINESS AUTOMATION SOLUTIONS:

- Develop and deploy business automation services
- Develop and deploy rules-based decision and planning services
- Develop, integrate, deploy, and manage mobile apps

INTRODUCTION

Business automation platforms designed for IT-business collaboration help decision makers map and rapidly build modern business applications—at the time they are needed.

Application development used to be the job of programmers and developers, who would discuss requirements with their business counterparts and then provide a solution for testing and deployment. With agile development, things opened up—with more frequent meetings and more input from business users. But users still had little effect on the solutions eventually delivered.

Compelling new business automation technologies put more application development power into the hands of business decision makers. Now, business users can help create apps that have a greater impact on their business with technologies that help them assemble and configure applications with point-and-click ease. They can work collaboratively and on demand with IT professionals—or independently—to deliver solutions that meet essential, up-to-the-minute requirements. At the same time, valuable IT staff time is freed up to maintain critical back-end systems and play a strategic role in shaping digital strategy.

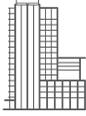
To compete when all industry sectors are being disrupted by digital-savvy startups or digital offerings from established companies, you need tools and platforms that not only provide a great deal of agility, but also put more technology power into the hands of business decision makers. Essential to business automation is collaboration between business users, IT staff, partners, and customers.

BUSINESS AUTOMATION CHALLENGES

Most application development environments have been designed with developers in mind. While the standards, protocols, language support, and runtime support are often embedded into these environments, the addition of features and functions is often planned and coded by developers. However, organizations can no longer afford to wait while solutions are composed and tailored by the IT department. Often, this process can take several months and projects get squeezed into IT department schedules, while running back-end infrastructure and providing strategic technology advice to their businesses.

Business users must be able to create or call up solutions to meet challenges they face from digital disruption. They need solutions that address these requirements:

- Provide an agile, flexible, and seamless way to respond to new opportunities.
- Be easy to use and manage.
- Facilitate rapid application development within days or even hours.
- Free up burdened IT staff to concentrate on the backbone of digital business.
- Support DevOps collaboration across the enterprise.
- Integrate well with cloud-based solutions.



ABOUT RED HAT

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.

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BUSINESS AUTOMATION SOLUTIONS

Red Hat provides key offerings to meet your digital business requirements:

Develop and deploy business automation services. Red Hat® Process Automation Manager is a low-code platform that combines business process management, business rules management, complex event processing, and resource optimization technologies into a single platform for business and IT users. Components include:

- Tools to create and maintain the models that comprise an automation service—process flows, rules, data model, user interfaces, and user experience. Authoring tools can be hosted on-premise or in public and private clouds with OpenShift.
- Tools to deploy and manage completed automation services. Production services typically run in Linux® containers hosted on Red Hat OpenShift, or may optionally be hosted by on-premise servers.
- Red Hat Optimizer is based on the OptaPlanner open source project. Optimizer lets developers easily build services that solve complex planning problems, such as [vehicle routing](#), [employee rostering](#), [cloud optimization](#), job scheduling, bin packing, and [many more](#).

Develop and deploy rules-based decision and planning services. Red Hat Decision Manager is a low-code platform that offers a subset of the features contained in Red Hat Process Automation, focused on automating business decisions.

Components of Red Hat Decision Manager include:

- Tools for developers and business users to create and maintain business rules, which specify the core logic of a decision service.
- Tools to deploy and manage completed decision services. Services may be hosted on-premise or in public, private, or hybrid clouds.
- A high-performance rules engine, based on the Drools open source project, which evaluates business data against the rules in order to render a decision.
- Red Hat Optimizer, for creation of services that solve complex planning problems.

To learn more about Red Hat business automation solutions, visit <https://www.redhat.com/en/topics/automation/whats-business-automation>.