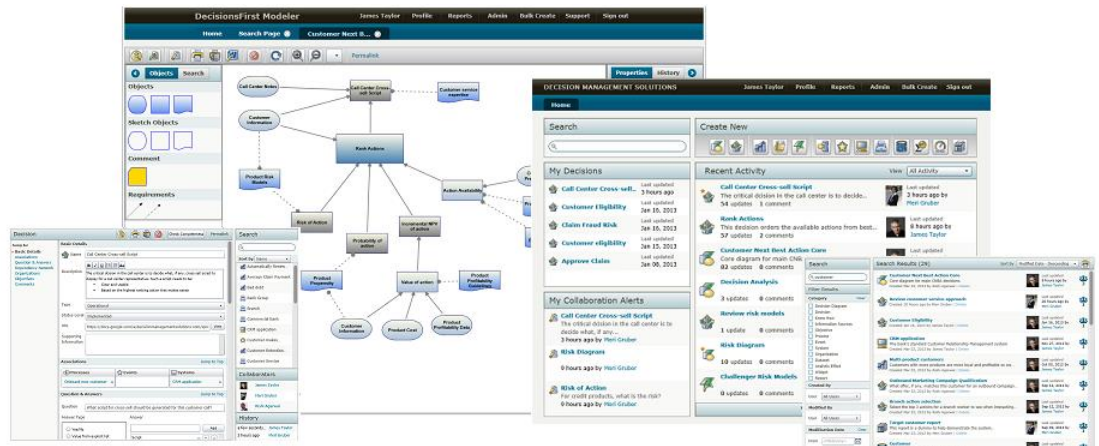**DECISION MANAGEMENT SOLUTIONS**

DecisionsFirst Modeler

Decision Modeling with DMN Harnesses Data-Driven Decision Making

DecisionsFirst Modeler is a collaborative decision modeling solution that makes it easy to model decisions as part of your requirements process, harnessing data-driven decision making across your organization. It is based on the Decision Model and Notation (DMN) standard to future proof your decision models and skills.

With DecisionsFirst Modeler:

▸ Business processes are less complex improving flexibility and agility.

▸ Business rules management is structured, iterative and business-focused.

▸ Predictive analytics are well framed and linked to business results and ROI.

▸ Dashboards extend to include actions and recommendations.

A North American Group-Life Insurer was adopting a business rules management system as part of a major legacy modernization effort. The team found that a focus on decision management and on the decisions within their business processes clarified their requirements for the implementation and improved the focus of their rule capture and documentation initiative.

Decisions Drive Improved Business Performance

Decision models based on the industry standard Decision Model and Notation (DMN) standard deliver a powerful ROI by improving processes, effectively managing business rules projects, framing predictive analytics efforts, and ensuring decision support systems and dashboards are action-oriented.

Decision modeling is the cornerstone of the Decision Management approach to system design and requirements gathering that meet the needs of today's organizations to be more flexible, analytical and customer driven.

Requirements that are focused on processes and data often lead to solutions that quickly become complex and hard to change. Decision modeling aligns processes and data in an optimal way.
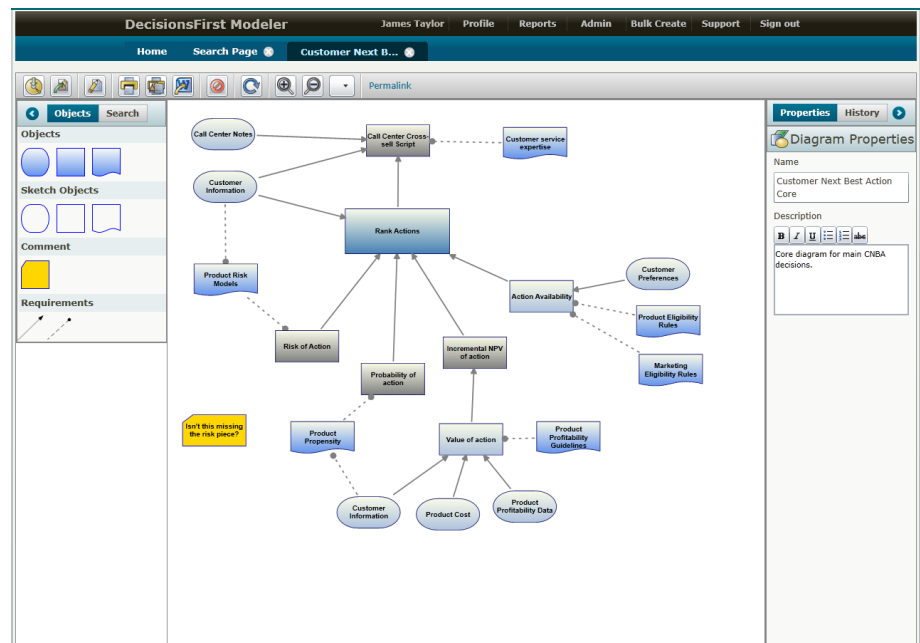
A major financial institution was developing requirements for a new system to automate financial products contract compliance. Using DecisionsFirst Modeler they were able to develop more accurate requirements more rapidly, engaging domain experts and business analysts throughout the project. The shared repository improved reuse, further accelerating time to value for the project.

Business-focused decision requirements

Put Decisions First

DecisionsFirst Modeler's interactive decision diagrams allow each decision to be decomposed, showing exactly how each decision is made. A complete understanding of each decision including the regulations and policy sources that constrain it and the information it uses can be managed in a compact graphical format using the new Decision Model and Notation standard from the Object Management Group.

Interactive Decision Requirements Diagrams

Succeed with Business Rules

The decomposition helps identify re-use and focuses business rule and analytic development to maximize the effectiveness of these efforts. These diagrams can readily be understood by domain experts, maximizing the value of their input and can be combined with any business rule or analytic design approach.
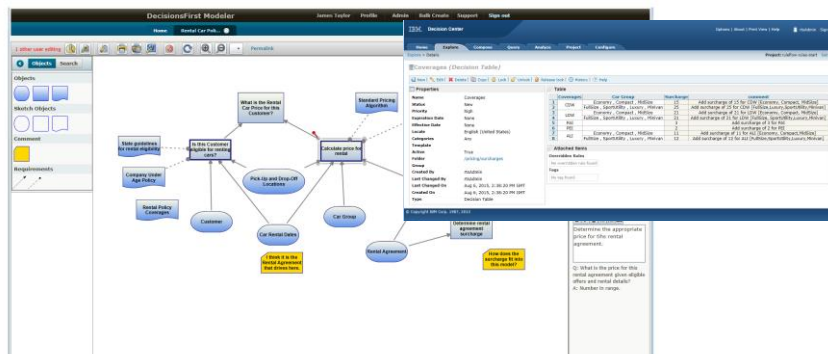
Simplify Business Processes

As analysis progresses, a flexible set of information is captured to describe decisions in detail without being obscured by technical implementation information. Captured in the software, this information can be evolved and maintained as more understanding is developed. Linking decisions to the business processes, events, systems and organizations that need them provides a strong context that can be combined with the decision information to ensure successful implementation. An integrated repository ensures that reuse and overlap among processes and decisions is clearly identified.

> Decision modeling does not require business process modeling. Many projects are successful with decision modeling alone. However, many business process projects are finding decision modeling essential to achieving digital processes. The Decision Model and Notation (DMN) standard has been designed to work alongside the Business Process Model and Notation (BPMN) standard, also published by the Object Management Group.

Drive effective implementation

Example Integration

Source: DecisionsFirst Modeler Enterprise Edition

Organizations adopting decision management technologies like business rules management systems or predictive analytics want to maximize the value gained from these technologies while minimizing risk and time to value.

Deliver value from Big Data Analytics

DecisionsFirst Modeler structures decision management requirements so that business rules can be managed effectively while providing a framework for checking completeness, ensuring reuse and managing ongoing maintenance.

By focusing analytic efforts on decision management, you can avoid wasted effort and put Big Data to work with advanced analytics.

Clear and effective decision management requirements drive implementation success and DecisionsFirst shared repository supports the agile, iterative approaches that are best practice for these technologies.

A provider of health management programs was moving from a legacy platform to one based on a business rules management system. The company wanted to ensure it adopted best practices, integrated the BRMS as effectively as possible and ramped up the team quickly. With a clear decision management focus, the project went live successfully while empowering non-technical users to manage the hundreds of business rules involved.

Business-centric Requirements

Agile Business
Requirements

The decision requirements model at the heart of DecisionsFirst Modeler has been proven with business analysts, enterprise architects and especially with domain experts. A set of simple, yet powerful concepts underpin the models. Business analysts can quickly become proficient while domain experts can understand models effortlessly. Higher quality feedback and more business engagement improves results. An easy to use, drag-and-drop interface means domain experts from all parts of the business can add their own unique knowledge.

Accessible

Browser-based and accessible from anywhere, DecisionsFirst Modeler gives you immediate access to the documentation of your decision-making. Simple, powerful models of decision-making mean that business analysts can work directly with domain experts, enterprise architects and other IT professionals to create and update the documentation you need to be successful,

Decision modeling is a technique in the International Institute of Business Analysts (IIBA) Business Analyst Body of Knowledge v3 or BABOK®

Collaborative

Cross-functional
Collaboration

DecisionsFirst Modeler provides a core set of collaborative features to support social business modeling. Anyone can get access to the software and groups can work in one location or many. You get immediate feedback when people make changes or collaborate with you and anyone with access can comment on any part of the model.

Social Collaboration Environment

You can reuse what others have developed, extend and improve their work, and share the work you do so that everyone benefits. Instead of business analysts working away on their own, DecisionsFirst Modeler puts business analysts at the center of a true collaborative network to improve results. With business decisions cutting across organizational boundaries and the need to coordinate multiple teams, often in multiple locations, a collaboration environment tracks collaborators, changes and comments across the whole repository. Identifying the collaborators on an element of the model, seeing who has made changes and when, and leaving comments without changing the documented information all help ensure the model quickly converges on the best answer.

Reuse across diagrams and models

Multiple Projects, One Repository

DecisionsFirst Modeler has a unique tag-based approach to support multiple projects. Instead of rigid diagram-centric or folder-based approaches to managing projects, DecisionsFirst Modeler allows any object to be tagged with one or more tags. Users add tags by simply typing them into descriptions and can use them in searches equally easily – there's no new UI to learn. Shared objects can be tagged with multiple project tags while unique objects can be tagged by their owner. Combining powerful free-text search with tags makes it easy for user to find and reuse objects while still allowing each project to manage their own objects.

Manage multiple projects with tags

The Enterprise Edition adds powerful tag management features, allowing tags to be merged, deleted and programmatically applied across the whole repository for a unique combination of power and flexibility. Enterprise Edition customers can see who is using a tag, how recently tags have been used and how broadly a tag is being applied to help manage enterprise deployments.

Decisions are Everyone's Business

Decisions are critical to business, systems, business processes and much more. Everyone has a role in managing decisions with DecisionsFirst Modeler.

Business Analyst

Real Business
Architecture

Capture and model all your decision requirements in one place. See who is working on what and follow the comments everyone on the team makes. Generate complete documentation for a decision or a set of decisions in Word to share. Evolve from traditional requirements to a Business Architecture centered on decisions.

Domain Expert

Decisions—
the natural
language of
business

Easily review, edit and comment on decision requirements. Collaborate with your business analysts and enterprise architects to make sure decisions are documented the way you need them to be made. Clearly map decisions to the rest of your business, showing how decisions impact business performance and which parts of the organization should be involved with decision-making. Navigate directly from the diagram to implemented business rules and analytic models for easy maintenance (Enterprise Edition)

Project Manager

Scope in
business terms

Get a quick overview of all the work being done on decision requirements and identify all the stakeholders so they can effectively collaborate, without using email or the phone. Decision status tracking shows the work left to do and supports agile project delivery by managing scope in business terms.

Enterprise Architect

Beyond TOGAF
and Zachman

Develop robust, complete models of decision making that can be effectively implemented using business rules management systems, predictive analytics and other decision-making technology. Ensure that every business process, event and system that requires decision-making is identified and integrated into the model of decision requirements and so bring decisions into your overall architecture.

Analytic Professionals

Drive business
insights back
into the
business

Use a model of the decision-making in your organization to direct and focus analytic efforts. Trace information to analytics, analytics to decisions and make sure that the analytics being developed can and will make a different to business performance. You can even use the decision requirements to see which objectives you are trying to maximize with your analytics to make sure you generate results that matter.

This major life and health insurer was kicking off an effort to use predictive analytics to improve life underwriting. Using DecisionsFirst Modeler the team identified that analytics could be applied only at certain points in the decision-making, focusing them where they could help and avoiding wasted effort.

Features

DecisionsFirst Modeler enables user-friendly, DMN standards-based graphical decision models to support collaboration on decision requirements for a wide range of projects, including business process management, business rules, predictive analytics and dashboards design projects.

Enterprise Edition

SaaS and On-premise versions

DecisionsFirst Modeler Enterprise Edition is available both on-premise or cloud-based. The on premise version supports Single Sign On for integration with your corporate environment.

API for integration

The Enterprise Edition includes a robust REST API for integration with business rules management systems and predictive analytic platforms by programmatically registering, updating and versioning implementation components with the DecisionsFirst Modeler repository. Keeping this information synchronized through the API allows decision models based on the DMN standard to act as a graphical front-end to more complex, multi-vendor implementation environments. Commercial integrations are available for leading products like IBM Operational Decision Manager (ODM).

Reader for broad collaboration

The Enterprise Edition comes with a mobile-friendly responsive HTML reader. This displays all the content in your repository so it can be broadly shared throughout the enterprise. Each object has a unique URL that can be embedded and shared conveniently and those with Modeler access can link directly from the reader to the relevant editor. The reader has a full search that supports tags created in the modeler to make it easy to find what you are looking for. From the reader you can also see who is using a tag, how recently tags have been used and how broadly a tag is being applied to help manage enterprise deployments.

Because all the information in the repository is available through a REST API, Enterprise Edition customers can integrate DecisionsFirst Modeler into their existing environment and leverage the models widely to maximize the return on the decision models being built.

Contact us at info@decisionmanagementsolutions.com for information.

Get Started Now

Harness Data-Driven Decision Making
DecisionsFirst.com

Starter Services

Our online DecisionsFirst Support site includes tutorials and training videos. Plus you can access white papers, recorded webinars and other resources on Decision Management Solutions. We also offer three levels of starter services:

▸ Model Building Service
We build an initial decision model based on your existing requirements.

▸ Online Support
Online, interactive modeling sessions providing coaching and advice as you build your decision model.

▸ Decision Discovery Workshop
Two – five days onsite to build an initial model and make your project and team quickly productive and self-sufficient.

Our starter services help you get started quickly for a fixed price.

We also provide a wide range of resources as well as training and consulting services. Contact us for a free consultation today.

Contact Us

If you have any questions about Decision Management Solutions or would like to discuss engaging us we would love to hear from you. Email works best but feel free to use any of the methods below.

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Phone   :   +1 650 400-3029

URL   :   www.decisionmanagementsolutions.com