

Overview

DecisionBuilder™ is a decision management system for organizations that need speed and agility when responding to business opportunities. Designed with the business user in mind, DecisionBuilder™ streamlines and automates business processes and workflows enterprise-wide in real-time, batch-mode and on-demand. Its top-down approach to decision management significantly expedites the adoption rate while greatly expanding applicability.

At the heart of DecisionBuilder™ is a proven Rule Tree technology. Practical and versatile, Rule Trees provide a powerful framework for quickly visualizing and developing decisions. Any business process or logic flow can be represented, from simple to complex. Additionally, Rule Trees make it highly convenient to integrate predictive, descriptive, and decision models into business operations.

DecisionBuilder™ is favored by IT departments for several reasons. It is Java based and web-service-oriented, making it highly scalable and robust. And DecisionBuilder™ is fault-tolerant and fail-safe—it will never fail due to unforeseen circumstances or cases where incomplete data creates unpredictable results.

Flexibility and Convenience Make a Huge Difference in Business and Decision Management

DecisionBuilder™ does not require programming or special technical skills. Users simply point and click to create, edit, manage, and validate Rule Trees. Descriptive information is easily added for historical clarification or management review.

A Rule Tree can include any mix of variables, expressions and rules, which are described below. And everything is re-useable, saving even more time and money on new projects.

- **Variables** – Sends and receives output and input values from calling applications.
- **Expressions** – Transform values, perform table look-ups (think pricing schedules, tax rates, and shipping information) and complex math functions, execute predictive and descriptive models, and generate dynamic text values (think personalized web content and targeted sales scripts).
- **Rules** – A decision point in a process resulting in a true or false outcome represented as a node. Each rule can contain hundreds of conditions and any actions needed to transform variables.
- **Rule Trees** – From simple, one-rule decisions to highly complex structures with thousands of decisions points and computations, DecisionBuilder™ Rule Trees process at a rate comparable to inference-based engines but are much faster to implement and far easier to maintain.

DecisionBuilder™ is comprised of five components:

- **Designer** – Lets business users create, validate, and manage rule-based decisions.
- **Server** – An enterprise-class engine that executes Rules Trees in real-time for reliable deployment of decision processes and associated services company-wide.
- **BatchRunner** – Vital for data processing and task automation 24/7.
- **Stress Tester** – Simulates peak load conditions for accurate testing of capacity and performance.
- **Remote Server Administrator** – Manage DecisionBuilder™ Server remotely.