The business rules governing transaction execution in core systems are typically buried deep inside millions of lines of legacy code. Manually pinpointing and updating them can be an arduous challenge and can create serious drag on performance in everchanging business environments.

Organizations that have ready access to business rules, and can adjust them to adapt to changing requirements, can become more nimble, competitive, and successful.

Deloitte's innoWake Discovery and Mining solutions help automate, streamline, and accelerate the extraction of business rules so they can be integrated into a rules manager. IBM zODM supports a more modern, sustainable, self-service model for business rules management by allowing cross-functional teams to develop, change, and manage rules using a single automated tool and process.

**How it works: An integrated solution for rules management**

Deloitte's innoWake Discovery and Mining solutions can expedite integration with IBM zODM in a few steps:

**DISCOVERY:** Deloitte's innoWake Discovery solution identifies candidate rules

**MINING:** Deloitte's innoWake Mining solution helps expedite and manage the business rules extraction process

**INTEGRATION:** Deloitte's innoWake Mining solution maintains an enterprise repository of extracted rules and integrates relevant rules into the IBM zODM repository for editing and execution

**MAINTENANCE:** IBM zODM enables users across the organization to easily develop, change, and manage rules

**IT leaders across industries are fine-tuning their rules engines**

Interest and investment in rules engines is on the rise according to results from Deloitte's Mainframe Market Pulse Survey. The survey explored the attitudes of 261 business and IT decision-makers across data-intensive and security-focused industries. These leaders validated the enduring role of mainframe-based technologies in hybrid strategies. And when it comes to rules engines, respondents indicated:

- **More than half** are leveraging rules engine to manage code within mainframe applications
- **88%** are considering modernizing the rules engine
- Among respondents who have already launched application modernization initiatives, 38% said upgrading their rules engines is a key priority
Automation to streamline and simplify the rules management process

Deloitte’s innoWake Discovery and Mining suite complements the built-in benefits of IBM zODM. Our solutions enable the efficient identification, extraction, and migration of business rules to IBM zODM—accelerating the process up to six times faster than via manual extraction.

Our capabilities

- **Candidate Business Rules**: Algorithms scan code and assign a probability of being a business rule to each logical code statement. This enables quality control, speeds up the process, and helps cross-functional teams gain confidence in business rules extraction—all while enabling subject matter experts to focus on priority rules.

- **Data Dictionary**: Auto-identify data elements to categorize rule candidates, giving you a plain-English translation of relevant data elements and helping users better understand business rules. Mapping of data elements also allows for faster understanding of rule processes.

- **InnoWake DNA Clusters**: Algorithms identify clusters of code with similar patterns to quickly pinpoint replicated processes in which duplicated or cloned business logic may exist. Organizations can prioritize rules mining efforts, consolidate rules, and identify candidates for microservices.

- **Workflow Management**: Facilitate the review of rules to enforce governance and streamline approval iterations.

A smarter approach to business rules management

We help you identify and map application components to functional processes, enabling users to better understand the relevance of business rule components, workflows, and execution. This allows business and IT to automate and unlock efficiencies in their business rules management processes—together.

Other outcomes include:

- End-to-end insight into code, applications, and business rules
- Enhanced transparency and responsiveness across functions
- Increased speed to rules deployment
- A modern, sustainable, self-service model for modernization and business rules management

Deloitte and IBM

Drawing on a relationship that has spanned more than 20 years, Deloitte and IBM combine technology leadership, hands-on business experience, and industry knowledge to design and implement modern infrastructure and connect complex systems and applications to deliver on the promises of digital transformation and automated solutions.