The innoWake Mining solution uses advanced analysis tools to input from an organization’s business leaders to develop a holistic view of technical and business requirements. We work closely with the organization to surface hidden aspects of its code and data, and answer business questions.

This advanced assessment can help organizations better understand routine system maintenance requirements, as well plan a low-risk, cost-effective modernization strategy that is aligned with individual business goals.

**Key capabilities**

**Deep insight:** Employs advanced analysis and code-abstraction tools to deliver deep understanding of business functions executed by the code.

**Business processes:** Deciphers how an application executes business processes through code.

**Reveals business rules:** Identifies relevant modules and code areas that contain business rules.

**Business rules extraction:** Enables extraction of identified functional logic from the codebase.

**Accuracy:** Provides scoped and categorized candidate lists that help accurately identify business rules.

**Future roadmap:** Helps provide a long-range modernization plan to adopt multiple technologies.

**Mining capabilities**

- **Call chain analysis**
- **Field tracing**
- **Decoupling analysis**
- **Business rules labeling**
- **Impact analysis**
- **Case-driven migration**

**Additional features**

**Pattern recognition:** Helps identify duplicated or similar code.

**Dependency graph:** Provides a visualization of dependencies within the codebase.

**Code labeling:** Identifies and labels relevant modules and code areas with business rules.

**Field Tracer:** Enables impact analysis by tracing data flow through selected fields.

**Dashboards:** Provides interactive dashboards for rule-mining and approval processes.
Business insight into legacy code

The Mining solution uses proven tools and methodologies to generate deep insight into the legacy codebase, data, and integration with third-party tools. The solution also helps organizations understand the business functions executed by the code and relationships within the data.

Mining combines our proprietary offerings with input from client business SMEs to deliver a holistic understanding of technical and business requirements. Mining integrates with other Application Modernization powered by innoWake™ solutions to create an end-to-end modernization offering. The solution, for instance, gathers the technical information to help organizations understand the business functions of code. Using business rules externalization, Mining can expose business knowledge that has been modified over the years, often without documentation. This enables organizations to validate these rules with business staff and document them for use in future IT projects.

With 25 years’ experience delivering systems integration and modernization solutions, our Application Modernization team of more than 250 specialists can help you plan an end-to-end, low-risk modernization initiative that is aligned with your business goals.

Examples of Mining’s search and field-tracing capabilities

Mining allows you to scour programs for text in copybooks and programs, as well as SQL statements.

The field-tracing tool can highlight references to copybook variables within programs and other copybooks.

LEARN MORE

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To learn more about Deloitte’s Mining solution, visit:  
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