

IDIOM Development Performance

The Development

A full Insurance System, approx 100 person years from concept to production.

Developed in two parallel streams:

- A core development stream of professional integrators writing bespoke Java code using a RAD optimized form of UML.
- An internal team drawn from the business doing decision modeling and design using IDIOM in a RAD approach – 3 distinct delivery iterations occurred in the development phase.

The Metrics

IDIOM:

All business decision making including underwriting, rating, reinsurance, and claims.

■ Decision Models	89
■ Decisions	6624
■ Decision Designer Hours	8,731
■ Total IDIOM Generated SLOC* (Java)	1,046,618
■ SLOC per Designer Hour	119.87

* Source Lines Of Code, excluding blank lines and comments

Core Development:

All infrastructure development, including reporting and forms

■ Developer Hours	40,484
■ SLOC (Java)	240,000
■ SLOC per Developer Hour	5.93

Execution Performance:

■ Largest Decision Model SLOC (Java)	60,000
■ Executing against 4 XML business documents totaling	~200k, 3000 nodes
■ Internal Execution Time Per Transaction	<5ms

IDIOM – faster software development, equally fast execution

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