



MyExpert Developer - FEATURES (Page 1)

**MyExpert
Developer
Professional+**

**MyExpert
Developer
Lite**

		MyExpert Developer Professional+	MyExpert Developer Lite
Overview	Complete development, testing, and deployment of rule-based expert systems/decision support systems	YES	YES
Interface	Intuitive Windows user-interface	YES	YES
	Dockable, pin-able panels	YES	YES
	Multi-level inference undo/redo	YES	YES
	Drag and Drop rule creation, supporting multiple selection	YES	YES
	Rapid rule development and testing	YES	YES
	Cascading edits of rules and objects	YES	YES
	Rapid rule and object duplication, to facilitate fast rulebase development	YES	YES
	Multiple search, sort and filter facilities	YES	YES
	Context sensitive in-rule operators, and access to objects	YES	YES
	On-line tutorial and help	YES	YES
Inference Engine	Forward (data-driven) Chaining	YES	YES
	Backward (goal-driven) chaining	YES	YES
	Detailed log of all inference activities	YES	YES
	Uncertainty handling (through Certainty Factors)	YES	YES
	Optimistic and Pessimistic inferencing	YES	YES
	High-performance, using sophisticated RETE-like indexing of rules and objects	YES	YES
Data types	Boolean	YES	YES
	Text (String)	YES	YES
	Integer	YES	YES
	Double	YES	NO
	Decimal	YES	NO
	Date and Time	YES	NO
	C# Expressions	YES	NO
	Database Lookup Expressions	YES	NO
	Command – run external command	YES	NO
	List (Collection)	YES	NO
Advanced	Powerful expression builder, allowing C# expressions and Database Lookups (see NOTE 1, below)	YES	NO
	Multiple Rule Refraction strategies available	YES	YES
	DATA DASHBOARD – connect to external MS Excel, MS Access, or other SQL Data Source and 'run' rule-base against multiple data records	YES	YES
	Fast rule-based GOAL SEEKING allowing multiple Degrees Of Freedom and value ranges	YES	YES
	Comprehensive Event and Error Logging	YES	YES
	Integration of Rules and Objects with URL accessed documentation (PDF, HTML and other formats)	YES	YES
	XML file storage of all data	YES	YES
	Import data schema from external Data Source	YES	NO

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Deployment	Customisation of question and answer groups	YES	YES
	Exclusion of questions made irrelevant by previous assertions	YES	YES
	MyExpert Engine DLL available for integration with customer applications	YES	YES
Reporting	Rulebase reports, Verification reports, Save as Text Only	YES	YES
Verification	Multiple strategies for detecting inconsistencies in rulebases	YES	YES
Security	Digitally sign rulebases and solutions	YES	YES
	Strong encryption of deployable Package files	YES	YES
Samples	A number of sample rulebases, solutions, and encrypted Packages	YES	YES

Note 1

The MyExpert Developer Expression Builder allows the creation of any valid Microsoft .NET C# expression that returns a value. This feature allows enormous flexibility in creating arithmetic and non-arithmetic expressions including the full range of Microsoft .NET mathematical, string handling and other built-in .NET functions. The Expression Builder also allows Primary Keys to be looked up in external data sources (MS Access and other SQL Databases) and a related column value to be returned.

The Expression Builder is available in MyExpert Developer Professional+ only.



