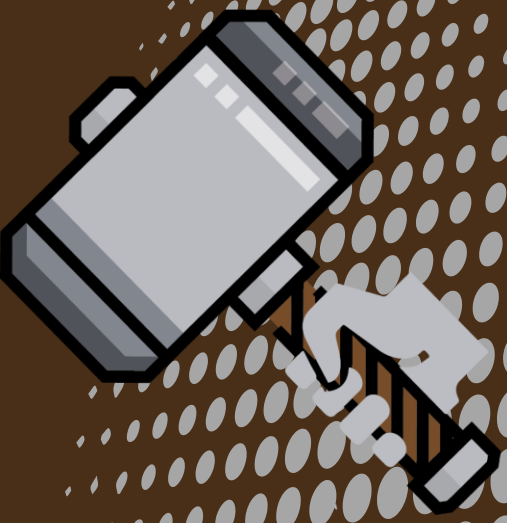
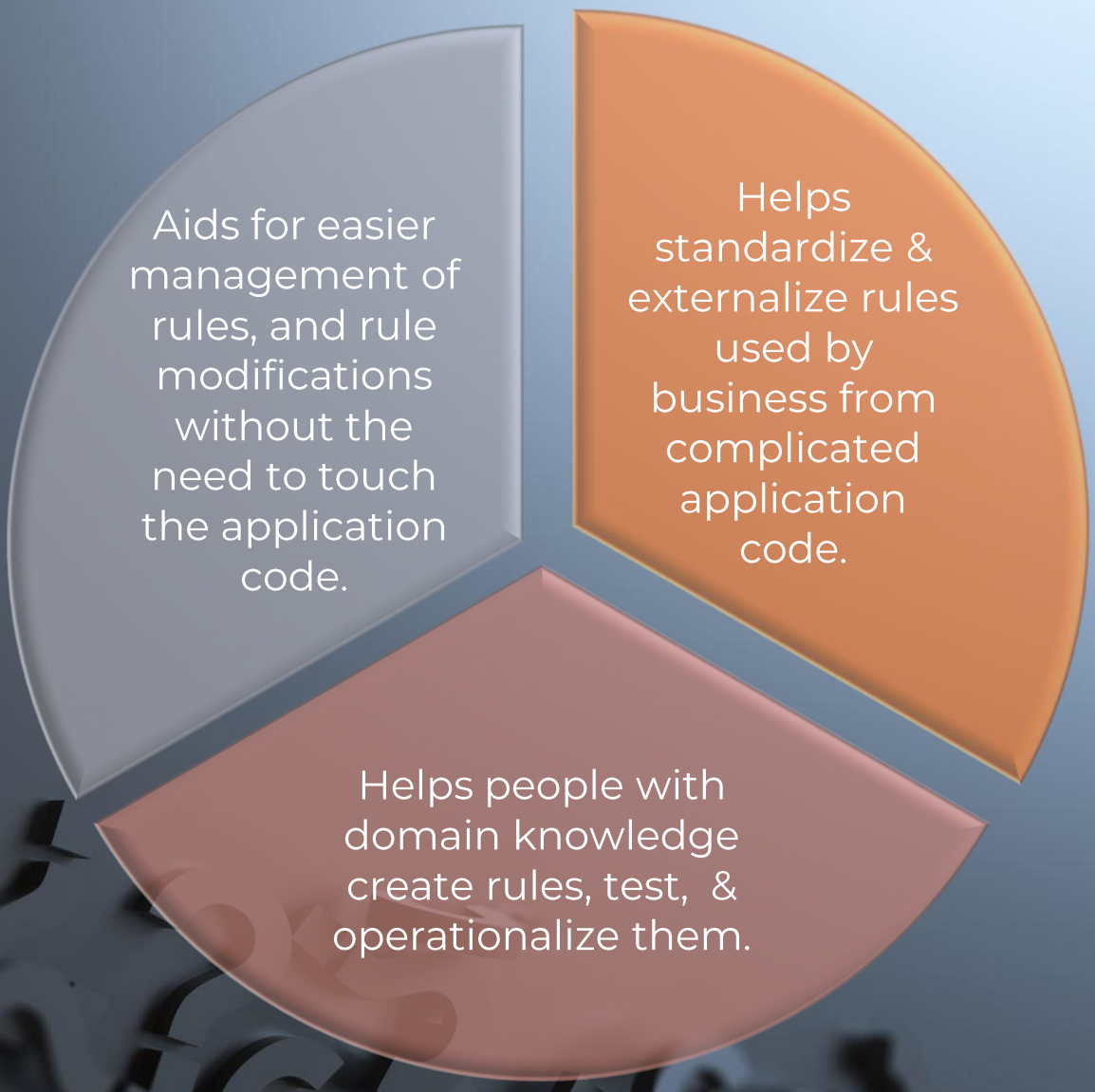
TekMonks



MONK RULS

Business Rules Engine

Business Rules What is it?



MONK RULS

is a lightweight but powerful business rules engine. It a decision processes using pre-defined logic to determine outcomes. MONKRULS enables precise decision making especially useful for complex dependencies. This also covers instances where regulatory or organizational rule changes frequently that require logic modifications. Its automation capabilities can mean the difference between rules updates that can take months as against hours. It is designed to help companies avoid significant fines and penalties for falling out of compliance.

The right BRE for everybody

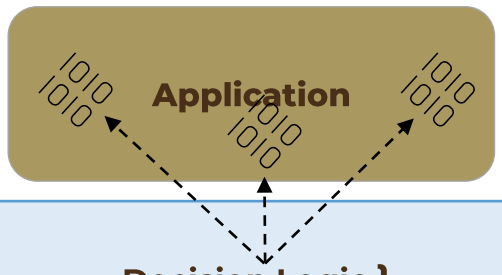
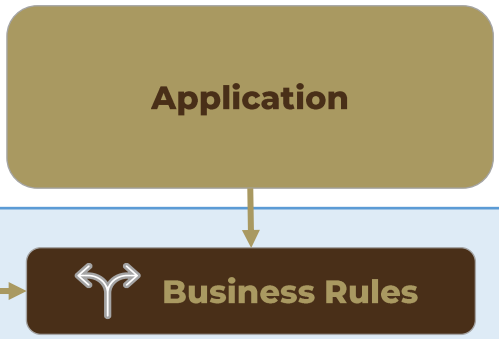
Basic workflow-based BRE works well for very simple workflows that are manageable by free templates and workflow.

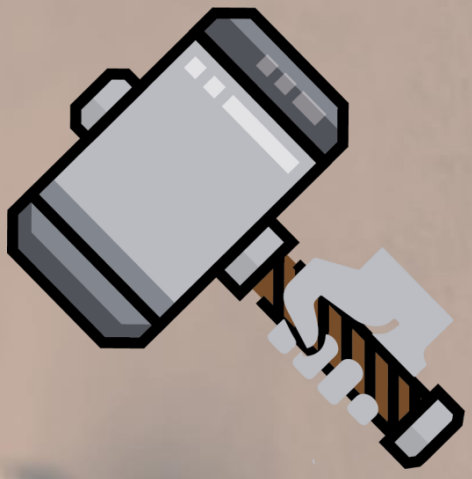
Logic-based BREs fits a good sturdy level of automated decisions that work based on preset conditions.

Coding-based BRE is for high-level custom automation, where manual coding is required.

Externalizing Decision into business rules

Manage decision logic independently from applications

Without Decision Management	With Decision Management
	
• Business people cannot read rules written in software code	• Natural language rules can be read easily
• Hard-coded rules are difficult to change	• Externalized rules are ready to change
• Rule intertwined within applications cannot be reused by other systems	• Centralized rules enable reuse and consistency



MONK RULS

Powerful

Lightweight

Business Rules Engine

Key Features

Runs on fundamentals - rules, data, input object, and output object definition.

Tree and flow based.

Allows rule to be created, tested, authored in natural languages and tools.

Ability to provide reasoning for decisions.

Supports JSON, and Comma-Separated Values (CSV) formats for all artifacts, for real world ease of use.

Native support for Excel. Inputs, outputs, and rule look up tables can be created in Excel.

No programming language needed, ever! Objects can be defined via CSVs.

Functional support for set theory, eases creation of real-world rules and scenarios.

Supports Visual Studio for Rules Authoring environment.

Very fast, iteration-based rules engine, not recursive.

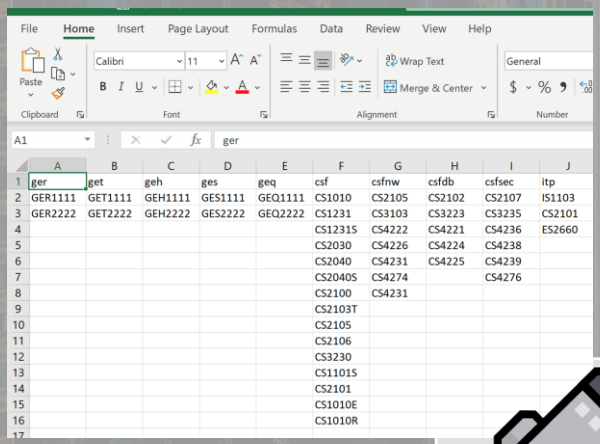
AI Based decision engine – the only Rules Engine which tells the user why they failed the rules.

Built in API and embedded deployment models.

A modern rules engine built for the modern API based businesses.

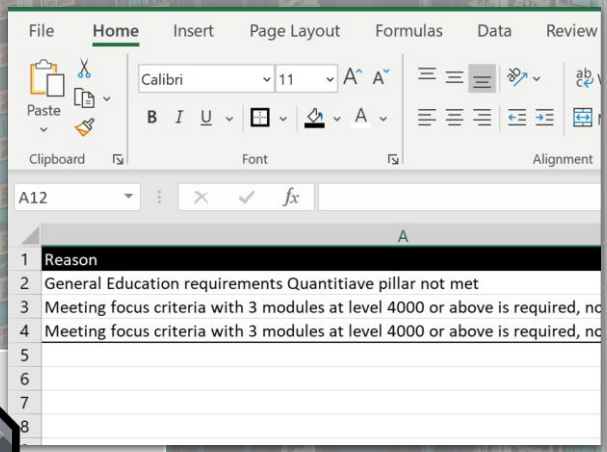
No need to learn a new tool.

Native support for Excel on Rules Authoring

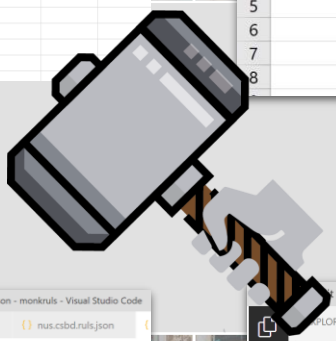


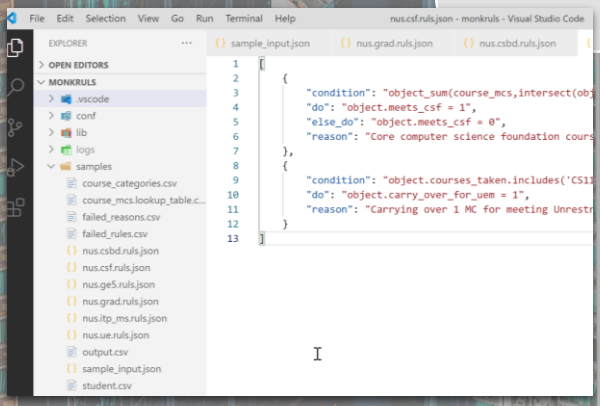
	A	B	C	D	E	F	G	H	I	J
1	ger	get	geh	ges	geq	csf	csfnw	csfdb	csfsec	itp
2	GER1111	GET1111	GEH1111	GES1111	GEQ1111	CS1010	CS2105	CS2102	CS2107	IS1103
3	GER2222	GET2222	GEH2222	GES2222	GEQ2222	CS1231	CS3103	CS3223	CS3235	CS2101
4						CS1231S	CS4222	CS4221	CS4236	ES2660
5						CS2030	CS4226	CS4224	CS4238	
6						CS2040	CS4231	CS4225	CS4239	
7						CS2040S	CS4274		CS4276	
8						CS2100	CS4231			
9						CS2103T				
10						CS2105				
11						CS2106				
12						CS3230				
13						CS1101S				
14						CS2101				
15						CS1010E				
16						CS1010R				

AI Based Reasoning exported to Excel



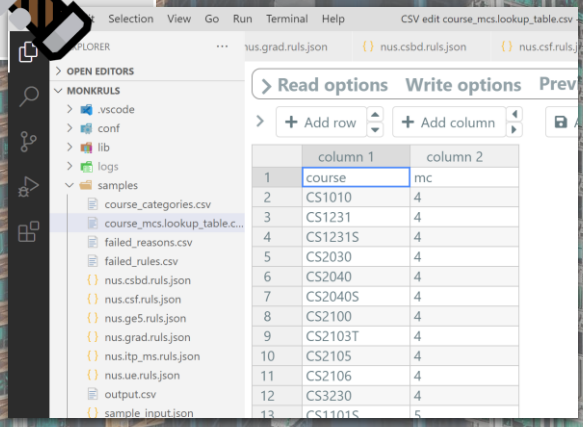
	A
1	Reason
2	General Education requirements Quantitiave pillar not met
3	Meeting focus criteria with 3 modules at level 4000 or above is required, no
4	Meeting focus criteria with 3 modules at level 4000 or above is required, no
5	
6	
7	
8	





```
[
    {
        "condition": "object_sum(course_mcs,intersect(obj
        "do": "object.meets_csf = 1",
        "else_do": "object.meets_csf = 0",
        "reason": "Core computer science foundation cours
    },
    {
        "condition": "object.courses_taken.includes('CS1
        "do": "object.carry_over_for_uem = 1",
        "reason": "Carrying over 1 MC for meeting Unrestr
    }
]
```

Visual Studio & simple JSON for Rules Authoring



	column 1	column 2
1	course	mc
2	CS1010	4
3	CS1231	4
4	CS1231S	4
5	CS2030	4
6	CS2040	4
7	CS2040S	4
8	CS2100	4
9	CS2103T	4
10	CS2105	4
11	CS2106	4
12	CS3230	4
13	CS1101S	5

If, then analysis & simulations

Benefits and Advantages

Keep pace with marketplace changes

Boost efficiency, increase connectivity and productivity

Ensure regulatory and improve policy compliance

Improved quality of work that results to good customer service

Open new revenue streams

- Easily control and stay on top of business policies, decisions, rules.
- AI based inference & rules engine, not just run the rules, but understand why the engine made a certain decision.
- English and natural language-based reasoning.
- Easy to use with native support for Excel.
- Easy to integrate with JSON and REST APIs.

Produced/Printed in the UK 05/07

PATENTS: US Patent Pending

IMPORTANT PRIVACY INFORMATION: If you would like to request access to or correction of your details, or if you would prefer you or your organization not to receive further information on TekMonks products and services please contact us at: privacy@tekmonks.com

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