

# Self-Service Rule builder & Simulator

**ThetaRay Self-Service Rule Builder and Simulator** empower users to create, modify, remove and simulate rules with autonomy and speed to provide better and more adaptable risk coverage. The new Rule Builder allows for the definition of complex rules, with support for custom expressions and aggregations using a simple “no-code” point and click user interface.

Condition(s)

If

The following conditions are met:

Add Risk Condition

Total amount of risky countries last month > Greater or equal to 10030

Action

Then

Create an alert

Suppress alerts triggered by this rule

1

Month

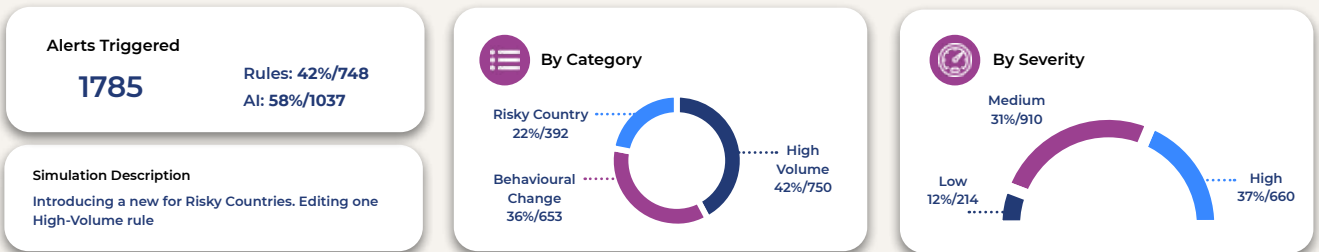
**Self-Service Simulator** is a powerful new capability that enables users to thoroughly and securely analyze the impact of rule changes without affecting live production systems.

Multiple rule versions can be loaded into separate simulations, allowing compliance teams to identify the optimal combination of rules and AI models tailored to the institution’s specific use cases and regulatory requirements.

This capability allows users to:

- ✓ Create new rules
- ✓ Edit or delete existing rules
- ✓ Test the simulation and review results by category, severity and rule, at the rule, ruleset, or ruleset plus AI levels to fully understand the impact.
- ✓ Apply a tested simulation to production (with appropriate and required controls)

Simulation(s)	Simulation Name	Alerts Triggered	By Category	By Severity
	<div>Add Risky Country Rule, edit high volume thresholds</div> <div>APPLIED ON 13/09/24</div>	<div>1785</div> <div>Rules: 42%/748</div> <div>AI: 58%/1037</div>	<div>42%</div> <div>36%</div> <div>22%</div>	<div>42%</div> <div>36%</div> <div>22%</div> <div>Low</div> <div>Medium</div> <div>High</div>



## Client Value

### 1. Autonomy and Speed

- ✓ Users can create, modify, delete and simulate rules independently, speeding up decision-making.

### 2. Tailored Risk Coverage

- ✓ Supports complex rules with custom expressions, allowing adaptation to specific regulatory needs in a simple “no-code” UI.

### 3. Safe Rule Testing

- ✓ The Simulator lets users test rule changes in a secure environment without affecting live systems.

### 4. Optimal Rule Combinations

- ✓ Multiple rule versions can be tested, helping compliance teams find the best combinations for their needs.

### 5. Efficient Compliance

- ✓ Users can easily create, edit, and test rules, with the needed oversight and sign-offs built into the workflow streamlining compliance processes.

### 6. Seamless Production Application

- ✓ Following the agreed workflow, tested simulations can be directly applied to production, reducing operational complexity.

## Business Impact

- ✓ **Increased Growth:** By offering adaptable compliant transaction monitoring, financial institutions can drive business growth while maintaining a strong risk management posture.
- ✓ **Regulatory Compliance Assurance:** The platform ensures that institutions meet local regulatory requirements while proactively managing financial crime, reinforcing trust and transparency.

**ThetaRay** offers financial institutions powerful tools to enhance their transaction monitoring and risk management. With the **Self Service Rules Builder and Simulator**, users can autonomously create, modify, and simulate rules, enabling faster decision-making and tailored risk coverage. Ultimately, **ThetaRay** boosts business growth, reduces operational risks, and ensures regulatory compliance.