



## Business Policy Management

Niyum™ is a one-stop business policy authoring, execution and analysis platform from SourcePulse. It consists of the following components:

- Core Rules Engine – Powerful decision table based rules engine
- Niyum PC – Stand-alone development using Microsoft Excel
- Niyum Cloud Studio – Author once, access anywhere, web based
- Rules & Work Flow Server – Execution environment. Direct deploy from Cloud Studio and PC

Niyum offers powerful, automated decision-making capabilities through the use of decision tables and rules.

### Wide Variety of Applications

Niyum allows the creation of business rules for various domains such as eligibility (human services / HR), insurance, finance, process management, tax and audit, software licensing, etc.

### Cloud deployment

Software as a Service functionality enables multiple departments to share one common infrastructure (with secure user and role definitions) accessible over the web.



## Decision Tables

Different types of decision tables can be used to evaluate in either independent or interdependent fashion whether certain logical conditions are met. Business rules are then applied to determine which actions to take as a result.

Name: Evaluate Customer Applying for Car Insurance											
Type: Balanced											
File Name: carinsurance_dt.xls											
<b>Contexts:</b>											
1	The Customer is over 18	local int age = the years from the Customer's dob to the currentdate									
<b>Conditions:</b>											
1	The Customer is over 18	Age is greater than 18	y	y	y	y	y	n	n	n	n
2	The Customer is over 25	Age is greater than 25	y	y	y	y	n	n	n	n	n
3	Accident Count > 4	The number of the Customer's Accidents > 4	y	y	y	n	y	n	y	n	n
4	Valuation > 30,000 dollars	One of the Customer's cars has a valuation > 30000	y	y	y	n					
5	Driving is Urban	The Customer's region is urban	y	y	n					y	n
6	Customer is a home owner	The Customer's homeOwnerStatus is true	y	n				y	n		
<b>Actions:</b>											
1		set the Customer's issuePolicy = false		x				x	x	x	x
2		set the Customer's issuePolicy = true		x				x	x	x	x

Decision tables define the conditions to be evaluated as true or false and the actions to be executed based on the outcome of these evaluations. Information is displayed in human-readable format and in equivalent statements to be processed by the rules engine.

A collection of related decision tables forms a Niyum rule set.

### Integration with Existing Applications

Niyum can interface with external applications that will act as rule consumers. The connection takes place via data mapping and rules execution using SOAP (Simple Object Access Protocol) calls.

## **Benefits of Niyum Business Policy Management Platform**

### Externalized policy

Separate Business Logic and IT applications  
Put business users in control

### SOA-based policy management

Cloud ready  
Fully service oriented  
Better IT-business alignment

### ONE integrated environment

Design  
Develop  
Unit test  
Deploy  
Maintain

Functions typically divided between a business unit and IT can now remain with the BU:

- Policy Change Request
- Business Rules/Requirements
- Impact Analysis
- Implement Rule Changes
- User Acceptance Testing
- Make Changes Effective in Production

IT Involvement can be kept to a minimum or zero when Business policy can be effectively managed by Business System Analysts using the benefits of a BPMS like Niyum.

## **Open Standards, Enterprise Ready**

Niyum is a flexible platform developed in Java and based on proven industry standards. It follows Service Oriented Architecture principles and runs on a variety of environments

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