Signavio Decision Manager

Comprehensive Business Decision Management for optimized business decisions
you decide – Software-as-a-Service (SaaS) or installed on your server

Input Data → Decision

Knowledge Source

decision tables

predictive shortcut menu

link to glossary terms and definitions
Welcome to Signavio

Signavio GmbH is a Berlin-based software developer with subsidiary branches in Sunnyvale, USA and Singapore, Asia. The home-grown Signavio Decision Manager offers companies an entirely web-based software program, which allows them to model and manage their business decisions for optimal results.

For those who want to delve deeper into decision making and optimize it throughout their entire team, Signavio software provides the ultimate support. The Signavio Decision Manager, based on the modeling standard, Decision Model and Notation (DMN 1.0™), is renowned for its intuitive setup and the transparency of its decision logic. Are you responsible for processes or analyzing decisions? Are you the person responsible for making sure that guidelines are adhered to? Then the Signavio Decision Manager can offer you a versatile solution portfolio to improve your company’s performance.

Find out more in this brochure about how the Signavio Decision Manager can support your Business Decision Management.
modeling using drag & drop
With the Signavio Decision Manager you can quickly and easily document and understand your business decisions.

Model business decisions with the Decision Model and Notation (DMN 1.0™) Standard and identify all the important information, as well as the sources which provide the essential details to form the basis of your decision making.

Thanks to Signavio’s seamless integration of both modeling standards – Business Process Model and Notation (BPMN 2.0™) and Decision Model and Notation (DMN 1.0™), you can link your decision diagrams directly with your process diagrams and reuse them as required. With the intuitive user platform and the predictive selection shortcut menu, modeling decisions could not be easier.

By presenting your decisions in decision requirement diagrams, you and your colleagues gain increased transparency and reap the benefits of consistent decision making with clearly defined responsibilities.

> Decision modeling with DMN 1.0™
> Intuitive user interface
> Decision requirement diagrams
Decision tables can be created within decision tasks.
Decision tables are an essential part of Business Decision Management as they contain the logic underpinning each business decision and make it easy for everyone in the company to understand. Thanks to the clear layout of decision tables, you can structurally define the rules to provide the foundation for consistent decisions that also conform to regulations.

With the Signavio Decision Manager you can define the necessary variables involved in reaching a decision, simplifying essential decision making. In each row of the decision table, you can then define the different output values for the corresponding combinations of input values. This establishes a complete resource, which can be used by all co-workers as a basis for making business decisions.

With the Signavio Decision Manager, you additionally benefit from automated checks for overlaps or inconsistencies in the business rules.
Straightforward process modeling in BPMN 2.0™ with drag & drop!

Combined view of processes and decisions!

Simple selection of modeling elements

Certify New Account (DMN 1.0) (Open, Edit Link, Remove link)
Simple Process Modeling

The Signavio Decision Manager is the first platform that not only allows you to model and analyze your business decisions but your business processes too. Thanks to Signavio’s seamless integration of Business Process Model and Notation 2.0™ (BPMN 2.0™) and Decision Model and Notation 1.0™ (DMN 1.0™), you can link your decision diagrams directly with your process model diagrams and reuse the decision diagrams as required.

The intuitive user interface of the Signavio Decision Manager enables user-friendly process modeling. Simply move your BPMN 2.0™ elements onto the modeling canvas using drag & drop, then make the most of the cutting-edge predictive selection menu to complete your model. Once you have created your process model with BPMN 2.0™, you can convert the process steps that represent a decision into one decision task and link it with your decision requirement diagram.

The combination of processes and decisions allows you to view your company’s procedures in their entirety and enables process diagrams to be considerably streamlined.

- Process modeling with BPMN 2.0™
- Seamless integration of BPMN 2.0™ and DMN 1.0™
- Modeling using drag & drop
Quality assurance thanks to integrated checks!

Automatic verification of consistency and completeness
It’s not unusual that there are many different criteria and requirements playing integral roles in decision making. With the Signavio Decision Manager, you can present these requirements clearly in a table, making them both comprehensible and easily accessible for your colleagues. However, this is entirely dependent on the logic contained in the tables being both consistent and accurate. Thanks to automatic verification, this isn’t an issue as the tool checks your decision table for consistency, overlapping of rules, and ensures it is complete. This ascertains that the logic provided covers every possible value within the value range of the input data.

In addition, the automatic verification also checks that a clear outcome can be reached from every decision table, regardless of the definition of the input values. At the click of a button, you are able to make sure that the defined decision logic is correct and that it is able to serve as a basis for decision making. For this reason the Signavio Decision Manager is the ideal aid for creating decision tables and guaranteeing the quality of the defined decision logic.
Determine life insurance benefit

This diagram shows which life insurance benefit an insured person will get in case of an accident.

Easily share decision-making expertise across your organization with the Collaboration Portal!

https://editor.signavio.com

straightforward reader access to decision diagrams and tables
Once decision diagrams have been modeled, they can be shared in the Collaboration Portal, making them available for co-workers to view and leave their comments. The portal is also entirely web-based and therefore easily accessible for all employees who have the appropriate access rights. Should you wish, you can connect the Collaboration Portal with your SharePoint® or Active Directory®.

Although those with reading rights to the Collaboration Portal can view all the information about the decision diagrams, they cannot make any amendments to the models. If colleagues have any questions or modification requests for the diagrams, they can leave their comments in the comment section, providing this has been activated by the administrator.

The Collaboration Portal is the central platform for your decision diagrams and serves as an essential basis for the knowledge needed in day to day work. It helps to create and promote a common understanding of business decisions and establishes a system of compliant decision making. This significantly increases transparency throughout entire organizations.
validity of the contract

Inputs

<table>
<thead>
<tr>
<th>Input</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature</td>
<td>Yes</td>
</tr>
<tr>
<td>Identity card</td>
<td>No Selection</td>
</tr>
<tr>
<td>customers age</td>
<td>24</td>
</tr>
</tbody>
</table>

Outputs

<table>
<thead>
<tr>
<th>Output</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>validity of the contract</td>
<td>invalid</td>
</tr>
<tr>
<td>accepted terms and conditions</td>
<td>Yes</td>
</tr>
<tr>
<td>comparable identification document</td>
<td>No Selection</td>
</tr>
</tbody>
</table>

customized simulation with various input values
Interactive what-if Simulation

With the Signavio Decision Manager, you can see your decision diagrams in action before they are rolled out to the whole company. Simply select a modeled decision diagram and start the innovative what-if Simulation with the click of a button!

Once specific values for the different influencing factors (input variables) have been selected, true results can be calculated through the simulation. If you change an input variable, the effect is immediately applied to the result. The calculation is based on the previously defined decision diagrams, which are displayed in the same window for better visibility. Each applicable row in the decision table is highlighted in color. To obtain a speedy response, even when decision models are larger, the simulation also displays results produced from incomplete input values. In this case, no end result is presented, instead all possible outcomes from the values available are shown.

The interactive what-if Simulation of decision diagrams promotes good understanding of the decision logic and gives executives confidence to sign-off on decision logic changes.

- Interactive exploration of decision logic
- Simulation of decision diagrams
- Ensures understanding of the influencing factors
What actions have to be done?

- Notice of race
- Determine scope of measurement
- German Sailing Association

Technical approval

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Form</th>
<th>Reminders</th>
<th>Access Rights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Due date</td>
<td>3 days</td>
<td>after task creation</td>
<td></td>
</tr>
<tr>
<td>Reminder</td>
<td># days</td>
<td>after task creation</td>
<td></td>
</tr>
<tr>
<td>Continue reminding every</td>
<td># days</td>
<td>until the task is completed</td>
<td></td>
</tr>
<tr>
<td>Escalation</td>
<td>7 days</td>
<td>delegate to</td>
<td></td>
</tr>
</tbody>
</table>
Approval Workflow

Intuitive approval workflow with the Signavio Decision Manager! It is particularly important to test and approve decision logic before company-wide use, especially when it comes to business decisions. To simplify the procedures involved in obtaining approval, the Signavio Decision Manager offers you the chance to define your own workflows for the approval of decision diagrams.

Based on the innovative technology of the web-based workflow engine, Effektif, the Signavio Decision Manager offers you the benefits of a multi-level approval workflow.

Multiple configuration possibilities allow you to define for yourself exactly which status (e.g. “in progress” or “sent for approval”) should be assigned to your decision diagram and whether it should be published in the Collaboration Portal directly after approval has been granted. Extensive integrated administration rights also allow you to specify which users are permitted to grant approvals. These settings can be adjusted at any time.

- Freely definable workflows for the approval of diagrams
- Involve different stakeholders
- Automatic publication of diagrams with approvals facilitated in the workflow.
- Monitoring of past and previous approvals

Transparent management of customized approvals.
customize rights of access for individual users or groups of users
User and Administration Rights

The Signavio Decision Manager enables effortless inclusion of all stakeholders in Business Decision Management across the organization. However, not every member of the team requires the same access or user rights. With administration rights that can be configured individually in the Signavio Decision Manager, you can determine for yourself which users will be allocated which permissions. User groups can be created for groups of employees who should all be granted the same permissions.

As the manager of the workspace, you determine which users are able to edit, read or publish each decision diagram. Permission settings can also be adjusted at anytime if there is a change in responsibilities.

With the individual administration rights, employees with all different levels of responsibility are able to experience problem-free collaboration using the Signavio Decision Manager.

- Individually configurable user rights
- Permission settings configured directly in the Decision Manager
Determine car insurance benefit

Input data for test cases:

<table>
<thead>
<tr>
<th>#</th>
<th>car-insurance policy</th>
<th>self-inflicted?</th>
<th>incident type</th>
<th>cause of damage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Liability insurance</td>
<td>Yes</td>
<td>Material Damage</td>
<td>act of goi</td>
</tr>
<tr>
<td>2</td>
<td>Partially compr.</td>
<td>No</td>
<td>Theft</td>
<td>accident</td>
</tr>
<tr>
<td>3</td>
<td>Fully compr.</td>
<td>Yes</td>
<td>Material Damage</td>
<td>act of goi</td>
</tr>
</tbody>
</table>

Expected Results:

<table>
<thead>
<tr>
<th>Approval Benefit</th>
<th>Actual Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>accept</td>
<td>No Output</td>
</tr>
<tr>
<td>accept</td>
<td>decline</td>
</tr>
<tr>
<td>accept</td>
<td>accept</td>
</tr>
</tbody>
</table>

Add Test Case
Test Lab

Different interest groups, such as modelers and reviewers, want to ensure that the logic entered into a model actually reflects certain regulations or laws. However, analyzing the entire decision logic manually is far from optimal. It is often incredibly complex, not only making it a complicated and cost-intensive task, but also very prone to human error. To ensure the desired quality of the decision model and its consistency with external requirements, the Test Lab offers you the possibility of setting up, administering and conducting automatic tests.

Every test case consists of all possible input data and expected results. At the touch of a button, it’s now possible to check whether the execution of decision logic actually leads to the desired results. If the expected and actual results differ from one another, then the test case is highlighted in color so it is easy to ascertain where these differences lie and investigate them. Also, if the decision logic in a diagram changes, you can instantly see in the Test Lab whether the requirements will still be fulfilled.

Use the Test Lab to check whether the predicted results are actually generated.

- Automatic tests
- Notification of damaged logic
Simple export into Drools Rules Language (DRL)!
Once you have modeled your decision diagrams in the Decision Manager and ensured compliance with regulations, the next step is to realize them. With the advanced export functions of the web-based tool, you can export your diagrams and tables into Drools Rules Language (DRL) with just the click of a button and thus, execute your decision logic in Drools.

Choose between the export of an individual decision table or the entire decision logic of a whole diagram.

For each data type in your diagram, a corresponding definition is created in the DRL export. In addition, a Drools rule is generated for every row of your decision table ensuring that the decision logic behaves in exactly the same way as defined in the diagram.

In the Drools export, each rule generated is supplemented with helpful instructions for documentation. This allows you to trace and understand which rules are executed in the business on the basis of the available data.

With the Signavio Decision Manager, you create the ideal basis for your decision diagrams!
automatic check for rule compliance

errors in decision diagrams

Signavio Best Practices for DMN

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address Certified (Input Data)</td>
<td>Consistency warning: Required dictionary entry is not linked.</td>
</tr>
<tr>
<td>Certify New Account (Decision)</td>
<td>Verification warning: Decision table has empty outputs</td>
</tr>
<tr>
<td>Interpol (Input Data)</td>
<td>Syntax error: Each element must be connected. Consistency warning: Required dictionary entry is not linked.</td>
</tr>
<tr>
<td>PEP (Input Data)</td>
<td>Consistency warning: Required dictionary entry is not linked.</td>
</tr>
<tr>
<td>Primary Identification Type (Input Data)</td>
<td>Consistency warning: Required dictionary entry is not linked.</td>
</tr>
<tr>
<td>Secondary Identification Type (Input Data)</td>
<td>Consistency warning: Required dictionary entry is not linked.</td>
</tr>
</tbody>
</table>
The inclusion of different stakeholders is essential for the success of BDM projects. However, the more modelers involved in creating decision requirements diagrams in DMN 1.0™, the more important it is to put procedures in place to ensure the consistency and quality of the modeling.

With modeling conventions that can be configured individually, the Signavio Decision Manager offers optimal support to establish uniform and standard-compliant modeling of decision diagrams. You can choose whether to define your own customized modeling conventions for your workspace, or use the best practice modeling guidelines provided by the Signavio Decision Manager.

So that you are aware of mistakes during the modeling process, the Signavio Decision Manager can automatically check the model for compliance with these guidelines. In addition, diagrams are reviewed for inconsistencies each time you save.

Identifying and correcting modeling errors is made incredibly easy with the Signavio Decision Manager.

> Quality assurance for decision diagrams
> Define modeling conventions individually
With the Signavio Decision Manager, you have the power to control your decisions.

Do you have any questions? Just give us a call!

Contact us

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Try out the Signavio Decision Manager for free now!

With the Signavio Decision Manager you can quickly and easily establish professional Business Decision Management in your organization. Whether your priority is making the best decisions as quickly as possible, or you want to analyze established business decisions for better understanding, Signavio is the best choice you can make for BDM in your business. With its unique combination of Business Process Management and Business Decision Management, you can manage both your decisions and processes in just one platform. Try it for yourself by registering for a 30-day free trial version of the software at: www.signavio.com/try.

Do you have any questions or would you like to try out a live version of the Signavio Decision Manager? You can call us on: +49 30 856 21 54-0 or send us an email at: info@signavio.com. We’d be happy to help!