

Product Data Sheet

A Framework to Create Rule-Based, Process-Oriented Applications

Implement Changes Quickly & Direct

Integrate DAF-Based Applications Seamlessly in Your IT Infrastructure

Historization of All Data, Rules, Results, Processes, and Dialogs for Auditability

Integrated Tests and Automatic Documentation Ensure Quality

Dynamic Application Framework

Greater Agility by Combining Visual Rules with Dynamic Application Framework

The Dynamic Application Framework (DAF) is a powerful, robust framework that enables efficient creation of rule-based and process-oriented applications. All the capabilities of Visual Rules, the leading Business Rules Management System, are available in DAF, and combining DAF with Visual Rules means greater agility for companies creating their own business applications. Thanks to open interfaces, applications created with DAF can be quickly, efficiently, and seamlessly integrated in existing system environments.

The DAF Rule-Based Approach

DAF's rule-based approach means that business processes and activities can be fully modeled using rules. An application's behavior is determined by rules for presentation, workflow, decision-making and integration logic. The Business Rules Management approach gives you the flexibility you need to quickly change rules at any time. The alternative to classic application development, this business-oriented approach follows the principles of agile methods.

Agility

DAF is installed in the existing IT infrastructure and connected to the required peripheral systems and data sources. At the same time, business requirements are modeled in an iterative process that supports successive expansion of models. These models can then be directly executed in DAF.

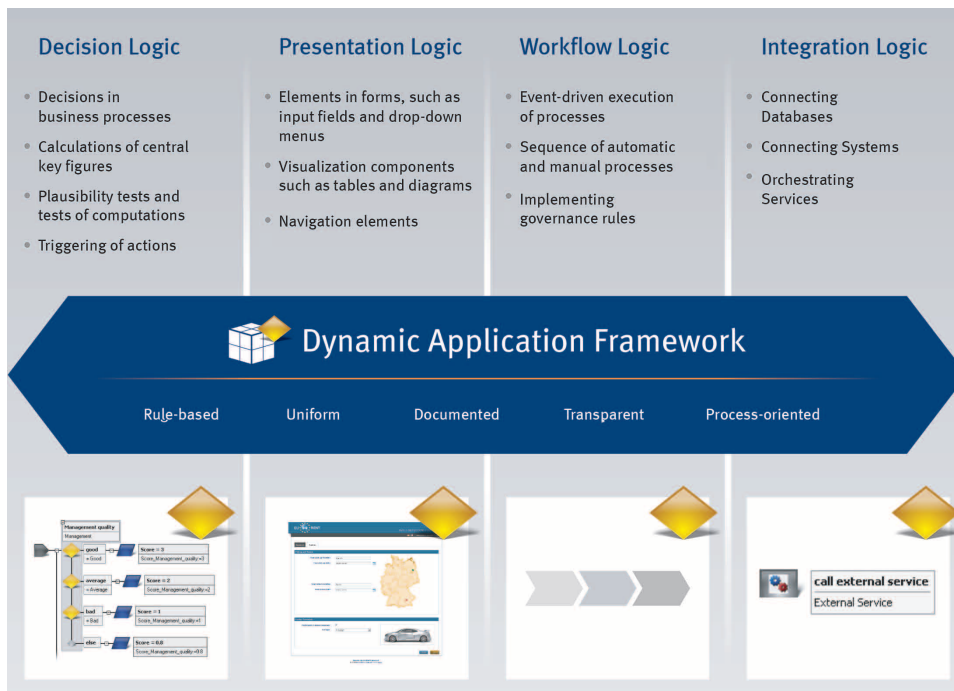
The application itself, with its dialogues and workflows, results from the execution of models within DAF. This iterative approach offers the advantage of providing applications that can be run at a very early stage.

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DAF Features



Modeling Rules and Workflows

All rules are created within the Visual Rules Modeler as graphic models. Business people collaborate on creating rules or take over the process entirely. If changes to specific rules become necessary in the course of their development, the people involved can quickly identify the spots in the transparent and easily traceable rule models and update those with precision.

Administering Models in a Repository

Models are administered in the Visual Rules Team Server repository, which includes a complete history of all models. Any version of an application can be activated just by loading that model version. Several versions can even be operated simultaneously.

Integration in Your IT Infrastructure

Integrating DAF and rule-based applications in your existing IT infrastructure is supported by a number of interfaces. For instance, databases can be connected using Visual Rules Database Connectivity. Peripheral systems are integrated through encapsulated services so that their information can be used in the application. Conversely, peripheral systems can access DAF-based applications and their business logic via such services.

Authentication and authorization to execute rule models in DAF is user- and role-based. In the Visual Rules Team Server, modeling authorizations and access rights for the repository are administered with an option of integrating existing LDAP or active directory servers.

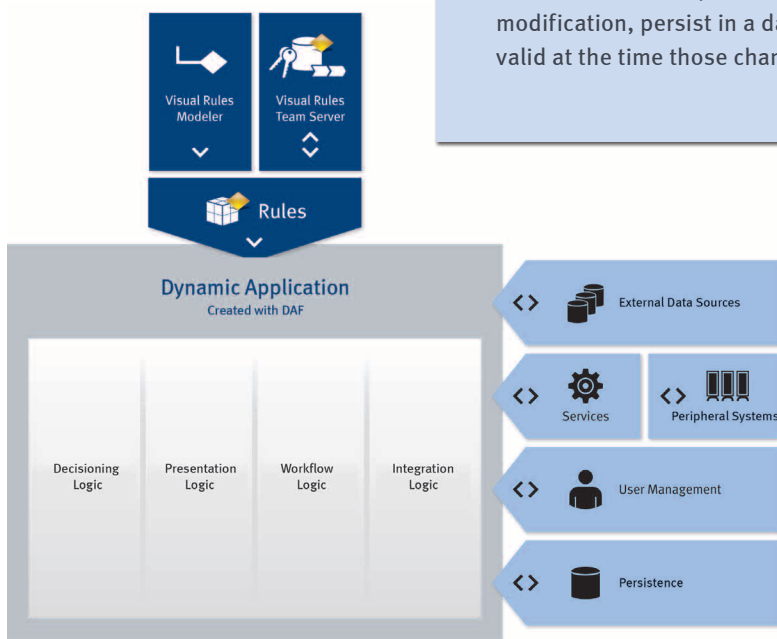
DAF Benefits

With the support of DAF, business and IT experts can concentrate on their core areas of expertise, cooperating to build solutions. While business people model rules at all application levels, the IT department takes care of the runtime environment and technical integration. During the maintenance phase, it is usually the case that business requirements can be implemented simply by adapting the rules accordingly. This results in a significant reduction of maintenance expenditure, while agility is actually increased. Furthermore, integrated testing and QA procedures ensure high quality standards.

Persistence and Auditability

To comply with regulatory requirements, particularly in the insurance and banking industries, processes and changes can be stored in detail within DAF, efficiently and permanently.

This means that the audit trails created during operations remain transparent and traceable for every data set or action. Changes, including the time, date, and person making them as well as the content of the modification, persist in a database that also stores the rule model versions valid at the time those changes were made.



Supporting Quality Assurance

DAF's test procedures help ensure that only business rules go into production that have been tested and assessed to be correct and error-free. With integrated test management, rules' actual functioning is tested and graphically demonstrated using test cases. Automatically generated test reports ensure the complete traceability of these rule tests.

After rules have been deployed to production, profiling statistics and monitoring functionalities can be called up to provide high-value information. The automatically generated application documentation ensures equally high quality.

DAF Application Scenarios

- Assessment platforms (such as for credit decisions, ratings, assessment of leasing partners and contracts)
- Analysis applications (such as early warning systems, management information systems)
- Intelligent application processing (such as invoicing for services rendered in the insurance industry, application processing for health insurance companies or public service providers)
- Software for enterprises with flexible business models

About Innovations

Innovations Software Technology is a market leader in Business Rules Management Platforms. In addition, Innovations offers leading financial industry solutions and services for Credit Risk Management, Compliance, and Customer Relationship Management. The independent research companies Forrester and Bloor rate Innovations as one of the three leading companies in the Business Rules Management Platform market internationally. Organizations in banking, insurance, healthcare, telecommunications, retail, automotive, logistics as well as IT service providers trust Innovations' products and solutions. Innovations was founded in 1997 in Immenstaad, Germany. Regional headquarters are Chicago for The Americas and Singapore for Asia-Pacific. The company also has offices in Waiblingen (Stuttgart), Germany; and in Palo Alto (Silicon Valley), California. Since 2008, Innovations has been a member of the Bosch Group.

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Visual Rules is a registered trademark of Innovations Software Technology.

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Why use the Dynamic Application Framework?

- Provide complex, volatile domain knowledge quickly and transparently
- Easily synchronize content changes with user interfaces
- Flexibly adapt application workflow and process descriptions
- Implement new internal and external regulations quickly and in compliance with audit requirements

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