

Labnaf 3.1 Product Line

Labnaf is a software and unified framework for visualizing your enterprise and for driving transformations. It brings productivity, consistency and cross-discipline collaboration by merging and extending standards into one single process, modeling language and software. Labnaf helps you understand your organization, envision its future, plan transformations and describe architecture solutions using multi-dimensional models, charts, analysis and reports. The framework and the software are highly and easily customizable.

The software implementation is provided as a robust [Sparx System's Enterprise Architect](#) software extension. The scalable repository provides numerous concurrent users with enterprise visibility and traceability across many dimensions.

The language is based on natural, precise and unambiguous systems semantics. It is used for architecting and diagnosing portfolios of information, physical material, processes, enterprise functions, organizations, applications, technologies and equipment. It is also used for envisioning, planning and formalizing changes, for end to end solution architecture modeling, for organizing and automating architecture governance and for documenting architecture frameworks.

Miscellaneous industry patterns can be naturally addressed including IoT, ecosystems, cloud and information privacy.

The language is simple, practical and easily configurable, while covering a large spectrum of business transformation concerns. It enables visibility and traceability at several manageable levels of detail.

Labnaf includes the following set of software components, data stores and documentation.

The Labnaf Addin and Labnaf Language Transformer come in several product editions. **Each product edition provides a specific set of software and repository features. See the [Labnaf product editions](#) for details.**

Labnaf Software

<p>Labnaf Addin</p> <p>Multiple editions</p>	<p>An add-in to the Sparx Systems' Enterprise Architect modeling environment. The add-in provides the following features</p> <ul style="list-style-type: none"> • Labnaf modeling language • Labnaf modeling diagrams • Labnaf modeling toolboxes • Dynamic model validation based on dynamic metamodel expressed in the end user Labnaf language itself • Diagram generation following templates defined in the Labnaf model repository • Excel and CSV generation following Labnaf Excel templates (models) • Excel and CSV import • Element values initialization (when you create new elements) following Labnaf templates(models) • Automatic value calculation following Labnaf templates(models)
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Labnaf PowerShell	<p>Scheduled/batch operations for architecture industrialization and governance.</p> <p>Generation</p> <ul style="list-style-type: none"> • Diagram generation following Labnaf diagram templates defined in the Labnaf model repository. • Excel and CSV generation following Labnaf Excel templates • Word generation following Sparx System's document template approach. • Publication to an HTML site where pages can be shared using standard e-mails. <p>Import</p> <ul style="list-style-type: none"> • Excel and CSV import <p>Calculation</p> <ul style="list-style-type: none"> • Automated tagged value calculation following templates defined in the Labnaf model repository. <p>Model validation</p> <ul style="list-style-type: none"> • Invalid connector detection and email error reports distribution <p>Backup</p> <ul style="list-style-type: none"> • To local model repository.
Labnaf Server	<p>Anywhere, anytime, view, review and discuss your Labnaf strategy and architecture models on the cloud.</p> <p>Secure and real-time access to your Labnaf model repository content from your smart phone, tablet or computer, by simply using a web browser.</p> <p>Labnaf Server requires and integrates with Sparx System's WebEA.</p>
Labnaf Customization Workbench	<p>A User Interface orchestrating the Labnaf customization lifecycle (Development, Testing, Production)</p>
Labnaf Language Transformation Tools Multiple editions	<p>Automatic transformation, in a repository, of existing modeling elements and connectors in terms of types, stereotypes and tagged values. Enables translation of any language like ArchiMate, BPMN or UML into any other language e.g. Labnaf (and vice versa). This includes imports from Visio or Archi.</p>

Labnaf Repositories [\(provided with specific software and editions\)](#)

Labnaf Startup Repository Extralite	<p>Initial model repository structure including</p> <ul style="list-style-type: none"> • A configurable language metamodel with dynamic alignment of the model validation rules • Canonical and configurable repository structure of packages, elements and diagrams that one can copy from • Reusable diagrams and elements (auto-legends...)
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	<ul style="list-style-type: none"> • Configurable templates for diagram generation • Model templates for tabular reports (generated Excel documents) • Model templates for configuring value calculations
Labnaf Startup Repository	<p>Adds the following items to the Labnaf Startup Model Repository Extralite:</p> <ul style="list-style-type: none"> • Customizable default metamodel including navigable documentation • Sample steps for you Enterprise Architecture metamodel evolution • Placeholder and initial content for you own metamodel (if you want to replace the default metamodel) • Model templates for configuring value initialization • Document templates for solution architecture, principles, standards and other document types. Generated format: Word, PDF, RTF. • Configurable element and connector type documentation • Configurable viewpoint documentation • Configurable flows of viewpoints • Configurable sets of mandatory viewpoints following different scenarios (e.g. project types). Used also for crating dynamic project dashboards showing existing and missing mandatory viewpoints.
Labnaf Sample Repository	<p>Adds the following items to the Labnaf Startup Model Repository:</p> <ul style="list-style-type: none"> • Extensive examples of Labnaf model repository content. • Collection of predefined charts and dashboards for enterprise visualization, application portfolio management, strategy definition, strategy execution and project/solution architecture
Labnaf Guidance Repository	<p>Adds the following items to the Labnaf Sample Model Repository:</p> <ul style="list-style-type: none"> • Navigable and customizable Labnaf end user guidance <p>This is the original model repository from which the online guidance is generated. Enables easy search, navigation and even customization of the guidance.</p> <p>To be deployed on a separate database so that search and navigation focus on the guidance only.</p>

Labnaf Online Resources

The Labnaf web site (www.labnaf.one) and the Labnaf YouTube channel provide extensive documentation on the actionable Labnaf strategy and architecture framework including its built-in transformation process, modeling language, model repository, modeling environment and tools.

Using Labnaf software as a server: If you are planning to use some Labnaf software in combination with Sparx System's Enterprise Architect as a Server, please read Sparx System's "Requirements and Conditions for Using Enterprise Architect as a Server based application" which are available on this page:
<https://sparxsystems.com/products/ea/server-legal.html>