Labnaf v2.0 Product

Labnaf is an all in one strategy and architecture framework for driving transformations. Labnaf semantically merges and extends standards into a meaningful strategy and architecture workflow. The framework features some extensive and configurable modeling language and tools along with pragmatic on-line documentation.

The software implementation is provided as a robust [Sparx System's Enterprise Architect](#) software extension. The scalable architecture 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:

Labnaf Addin	An add-in to the Sparx Systems' Enterprise Architect modeling environment. The add-in provides the following features • Labnaf modeling language • Labnaf modeling diagrams • Labnaf modeling toolboxes • Dynamic modeling connector validation • Diagram generation following templates defined in the Labnaf model repository • Element values initialization following configuration defined in the Labnaf model repository.
Labnaf Addin Lite	Same as above but for free and limited to 500 Labnaf elements. This version is suitable for students and for product evaluation.
Labnaf PowerShell: Multi-purpose daemon including different modules	**Generation** • Diagram generation following Labnaf diagram templates defined in the Labnaf model repository. • Excel 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. **Calculation** • Automated tagged value calculation following configuration defined in the Labnaf model repository. **Model validation**

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	• Invalid connector detection and email error reports distribution **Backup** To local model repository.
Labnaf Startup Model Repository	Initial model repository structure including • 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 • Configurable templates for diagram generation • Model templates for configuring value calculations • Reusable diagrams and elements (auto-legends…)
Labnaf Sample Model Repository	A model repository containing fictitious but extensive examples of Labnaf model repository content.
Labnaf Customization Workbench	A User Interface orchestrating the Labnaf customization lifecycle (Development, Testing, Production)
Labnaf Language Transformation Tools	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.
Labnaf Online Resources	Extensive on-line documentation of the actionable Labnaf strategy and architecture framework including its built-in transformation process, modeling language, model repository, modeling environment and tools.
Labnaf Guidance Model Repository	The original model repository from which the online guidance is generated. Enables easy search, navigation and even customization of the guidance. To be deployed on a separate database so that search and navigation focus on the guidance only.
Labnaf Server	Anywhere, anytime, view, review and discuss your Labnaf strategy and architecture models on the cloud. Secure and real-time access to your Labnaf model repository content from your smart phone, tablet or computer, by simply using a web browser. Labnaf Server requires and integrates with Sparx System's WebEA.

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