

Labnaf Features

Click on a feature for details

Market Positioning

- End-to-end transformation from strategy down to the code (single tool and repository)
- Built upon the most ubiquitous modeling platform (Sparx Systems Enterprise Architect: 800 000 users worldwide)
- Ubiquitous Sparx Systems Enterprise Architect expertise
- Very competitive pricing

Unified Transformation Environment for Cross-dicipline Collaboration

- Unified Framework: Process, language, tool, database, free documentation
- Unified Disciplines: Strategy, Enterprise Architetcture, Solution Architecture, Governance
- Unfied Disciplines+: Integrates with Analysis, Design And Implementation in a same single repository (Labnaf + UML)
- Unified Standards: 14 standards and best practices (TOGAF, SAFE, Strategy map, ArchiMate, BPMN...) merged into 1 metamodel, 1 process, 1 repository and 1 tool. Standards adapted and reconciled making them actionable as a whole
- Actionable refinement and full implementation of "IT4IT Strategy to Portflilio"

Tools and Repositories

- Sample repository + Startup repository + Documentation model repository
- On-premises and Cloud-based repositories

Modeling and Data Entry

- Enterprise Description modeling
- Strategy Definition and Strategy Execution modeling
- Solution Architecture modeling
- Architecture Management modeling
- Governance rules modeling
- Mini CMDB for small and medium organizations

Model Navigation, Impact Analysis and Queries

- Using built-in Enterprise Architct capabilities
- C-level model navigation using Prolaborate extension

Dashboards and Charts

- Sparx Systems Enterprise Architect Dashboards - Automatic/Dynamic
- Enterprise Description Dashboards (Example)
- Strategy Definition Dashboards (Example)
- Strategy Execution Dashboards (Example)
- Project Architecture Dashboards (Example)
- C-level dashboards using Prolaborate extension

Content Optimization

- Diagram Generation following templates - Periodical or on demand
- Automatic value calculation and initialization
- Model validation and error message distribution

Import

- Excel and CSV Import (Labnaf implemenation) - Periodical or on demand
- CSV Import (Sparx Systems EA implementation) - On demand
- Model exchange (Sparx Systems EA implementation) - On demand
- Extract and transform using Sparx Systems EA Data Miner
- See also "Integration with other tools"

Publication and Export

- Excel and CSV Document Modeling and Generation including predefined templates - Periodical or on demand
- Word, PDF, RTF Document Modeling and Generation including predefined templates - Periodical or on demand
- HTML web site generation - Periodical or on demand

Model Reviews and Discussions (Choose your preferred mechanism)

- Email discussion from generated web site (no license needed)
- Using Enterprise Architect UI
- Anywhere on any device using Pro Cloud Server / WebEA Extension
- C-level collaboration UI using Prolaborate extension

PowerShell & Scheduled Tasks

- Import Excel and CSV
- Calculate values
- Model validation and error message distribution
- Diagram Generation
- Excel, CSV, Word, PDF, RTF and HTML Generation
- Backup

Customization

- Customization Workbench (Customize the language, toolboxes, viewpoints, validation rules...)
- Customization Staging: Simple and straight-through Development -> Test -> Production lifecycle
- Adapt the metamodel in 2 clicks (the metamodel is expressed in the end user language)

Mass Language Transformation / Adapt Existing Repository Content

- Import and transform content from any language to any language in your existing repository
- Change diargarm type & stereotype
- Change element type & stereotype
- Change connector type & stereotype
- Add, rename, delete tagged values (properties)
- Synchronize default child diagram type following MDG definition
- Synchronize tag grouping following MDG definition
- Synchronize default tag group state following MDG definition

Work off-line

- Model off-line with the last version of the shared customized MDG even when creating new local empty repositories

Transformation Process

- Single actionable process reconciling 14 standards and best practices
- Transformation process organized as a sequence of viewpoints at three levels of detail
- Process fully documented and navigable using models, web site, videos and office documents

Content Structure and Formalization (Managing complexity)
Predefined and customizable repository structure providing several levels of detail
End to end traceability across enterprise description, strategy and projects at any desired level of detail
Enterprise description contains portfolios that in turn contain viewpoints and catalogs that in turn contain elements
Model elements representing several levels of detail following needs and resource availability
Viewpoints organized as a three levels hierarchy
Structure based on Systems Semantics (vs approximative architecture organization defined in the nineties)
Content structure formalized and documented using models
Language Features (vs ArchiMate)
One language reconciling 14 standards and best practices
Levels of detail
Architecture plateaus as element and connector dimension
Different categories of standards
Cloud Modeling
Network concept generalized for people, equipment and technologies (cloud or on premises)
Governance modeling (mandatory viewpoints, individual responsibilities, dashboards...) - See Governance
Includes only items that are useful for strategy and architecture (vs other languages)
Nothing counter-intuitive for UML modelers (vs other languages)
Specific Language Constructs (vs ArchiMate)
A process can be realized by any combination of people, software and equipment (as in the real world)
Process can be manual, semi-automatic or manual
Leaf process details described as analyst friendly BPMN-like models
Enterprise Function (internal/external)
Enterprise Function (Differentiator or not)
Generalized functional architecture concepts applicable to people, software and equipment
Flows of Information and material drill down (functions, applications/people/equipment, components, nodes, networks)
Message (digital or physical and exchanged by applications, people and equipment)
Access Points / Channels (assigned to information flows between enterprise functions)
Interface Protocols (assigned to information flows between applications or components)
Information flow enabled by firewall
Application Platform and Application Group (managing complexity in application portfolio)
Application = Application Portfolio entry with all necessary properties
Application as a Service (SaaS)
Application Integration Systems
Database Integration Systems
Data Store (used also for Master Data Management)
Master Data Management - Information Owned vs Information Exchanged
Deployment views including deployment requirement attributes
Instance Deployment views (implementation of the deployment requirements using real end points)
Technology as a Service (IaaS & PaaS)
Logical Node (physical or virtual)
Node type
Node instance (real end points)
Organization Function and Service
Contract can bind organizations and can address cloud services
Equipment Function and Service
SAFe (Epics, features and stories)
Kanbans
Strategic Themes, Objectives (used in strategic maps)
Tabular report (Excel/CSV) modeling
Value calculation modeling
Metamodel
One default metamodel reconciling 14 standards and best practices
Default metamodel derived from precise systems semantics
Evolutive configuration - Optimize the framework to your organization
Integrated Customization Environment (See also: Tools / Customization)
Extensive Language and Metamodel Customization in a few clicks
Metamodel: Predefined steps for Strategy and EA metamodel
Iteratively add roles in the same repository from strategy down to implementation or vice versa
Viewpoints: Iteratively increase viewpoints and levels of details following needs and available resources
Iteratively increase increase number of dashboards throughout the transformation process
Authentication
Username/password pair or Single Sign-on using Active Directory or OpenID
Authorisation and Role-based dashboards
Role-based access control of user interface features
Folder, element and diagram locking at user level, user group level or repository level
Role-based access control of dashboards and specific properties using Prolaborate extension
Governance
Governance dashboards : When and for whom during the transformation process (Example)
Application documentation completion and dashboards (Example)
Projects architecture completion dashboard (Example)
Individual Project/Solution Architecture Completions and dashboards (Example)
Mandatory Solution Architecture Viewpoints following configurable scenarios (Example)
Individual responsibilities (Example)
Model validation and error message distribution

Integrate data from external providers
Application Lifecycle Management (formerly HP Quality Center)
Jazz (interacts with:
IBM Rational DOORS Next Generation's requirements management tool
Rational Rhapsody Design Management (DM)
Rational Team Concert Change and Configuration Management (CCM)
Rational Quality Manager (QM)
Jira
Confluence
Team Foundation Server
Wrike
ServiceNow
Autodesk
Bugzilla
Salesforce
SharePoint
Dropbox
Documentation
Labnaf Channel (Videos)
Labnaf Framework Educational Documents
Labnaf End User Modeling Guidance
Sparx Systems Enterprise Architect User Interface Guides
End -to-end example (available on-line and in sample repository)
Software Installation and User Guides