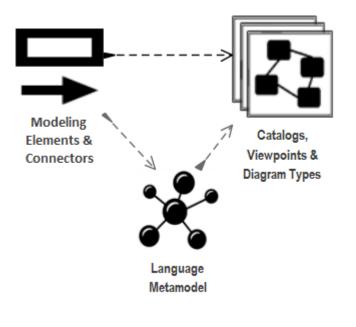


## Unified Framework for Driving Transformations

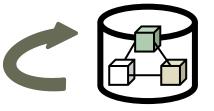
# Customization Workbench User Guide

# Labnaf Customization Steps

 Customize the language following your organization requirements

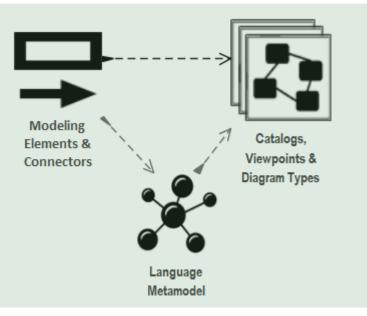


2. Adapt existing repository content

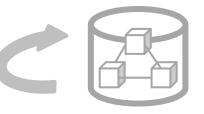


## Labnaf Customization Workbench

1. Customize the language following your organization requirements



2. Adapt existing repository content



# Sparx EA Modeling Languages What's in the box

What

### Many model repository options

- Local Microsoft Access database
- Shared database: SQL Server, MySQL, Oracle...
- Possible version control: Subversion, CVS, TFS...

### Many languages & Toolboxes

- (Too) Many languages
- No integration of standards
- Scope / domain-specific
- Switch between many complex toolboxes

### Sparx SDK

- Tailoring the tool for an organization
  - Language

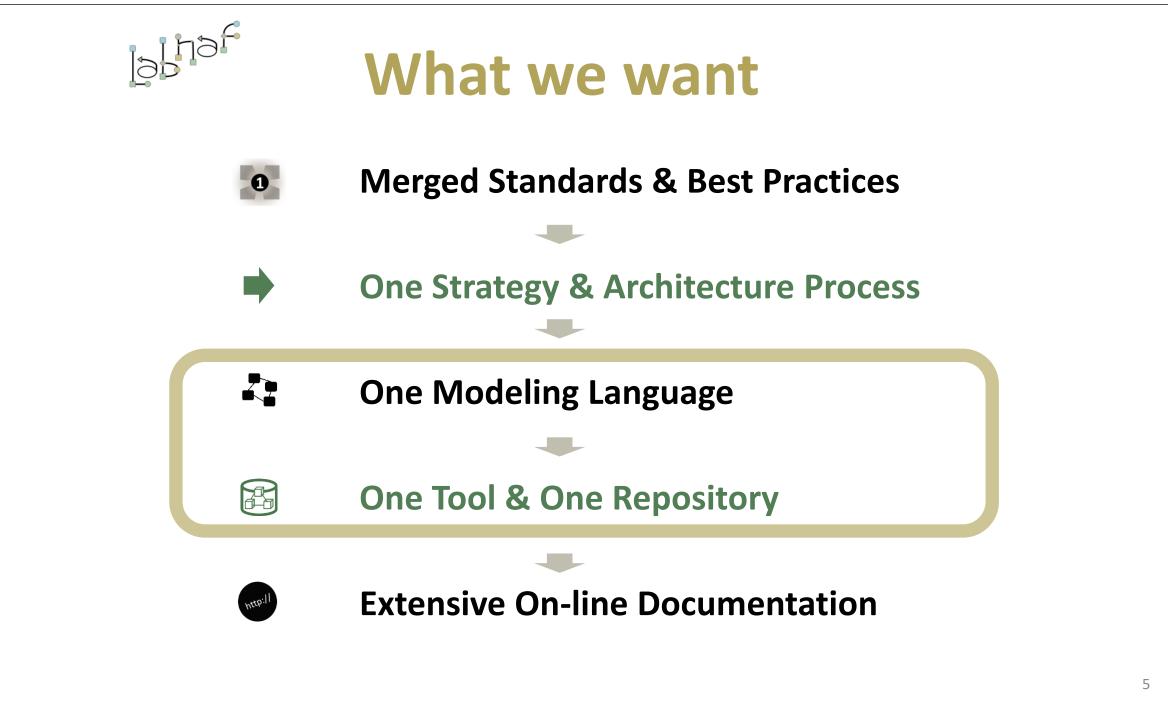
IDE

- document generation
- web publication

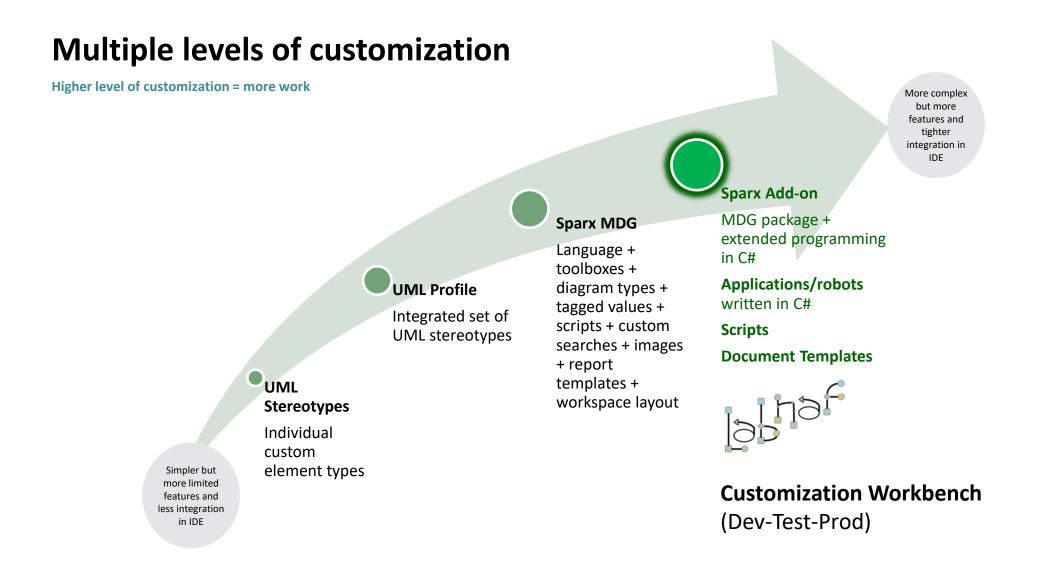
o ...

	Built-In IVIL	igs and related	riooiboxes
	Use Case	XML Schema	GoF Patterns
	Class	Documentation	ICONIX
	Object	Test Domain	LieberLieber AUTOSAR Engineer
	Composite	Dashboard	MindMapping
	Communication	XMLTransform	NIEM
	Interaction	ArcGIS	ODM
	Timing		Project Management
	se don	Arch Mate2	Taxonomy
Y	Activity	BPMN 1.1	SOMF 2.1
	Component		SPEM
	Deployment	BPMN 2.0	User Interface - Simple
	Profile	BPMN 1.0	SoaML
	Metamodel	UML Standard Profile	Strategic Modeling
		Business Rule Model	UMM 2.0 Profile
	Analysis	CodeEngineering	UPCC 2.0
	Business Modeling	Data Flow Diagrams	UPCC 3.0
	Custom	Data Modeling	UBL Model Management
	Requirements	Entity Relationship Diagram	WebModeling
	Maintenance	Eriksson-Penker Extensions	Whiteboard
	User Interface	GML	User Interface - Win32
	WSDL	GRA-UML	Wireframing

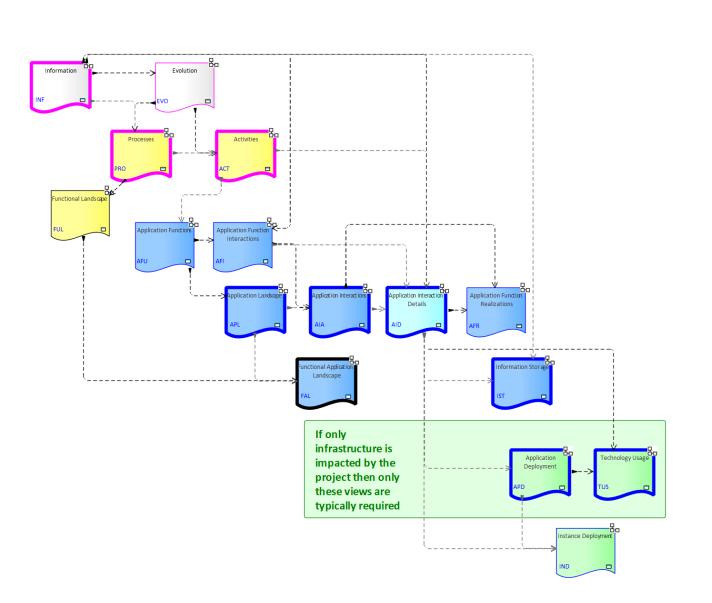
### Built-in MDGs and related Toolboxes



## Sparx EA Software Development Kit (SDK)



We need one modular language and tool but address specifically each type of view

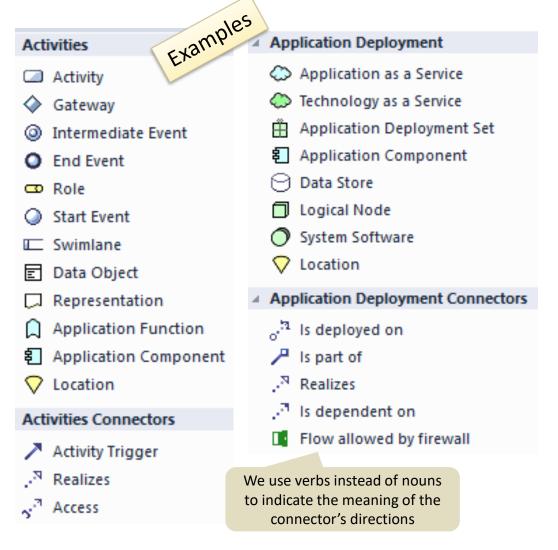


# Each type of architecture view needs to have its toolbox with element and connector types

## **Elements & Connectors**

- Some come from standards
- Some were adapted
- Some are proprietary

#### What we want



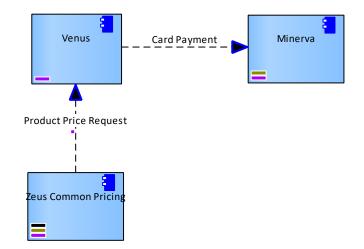
## **Diagram Types**

### What we want

When you select New diagram / ... the following list of Labnaf perspectives and diagram types appears

Select From: ⊼ Application Functions 🔁 Application Function Interactions h Labnaf - Vision 招 Application Function Realizations h Labnaf - Information 器 Application Landscape h Labnaf - Physical Material R Application Interactions h Labnaf - Process 招 Application Interaction Details h Labnaf - Enterprise Function L Application Deployment h Labnaf - People L Instance Deployment h Labnaf - Application ₽<sub>□</sub> Technology Usage h Labnaf - Technology 🖫 Information Storage h Labnaf - Equipment h Labnaf - Configuration ኪ Labnaf - Common Application Interaction Diagram

A Labnaf diagram type addresses a specific strategy or architecture viewpoint



## Toolboxes

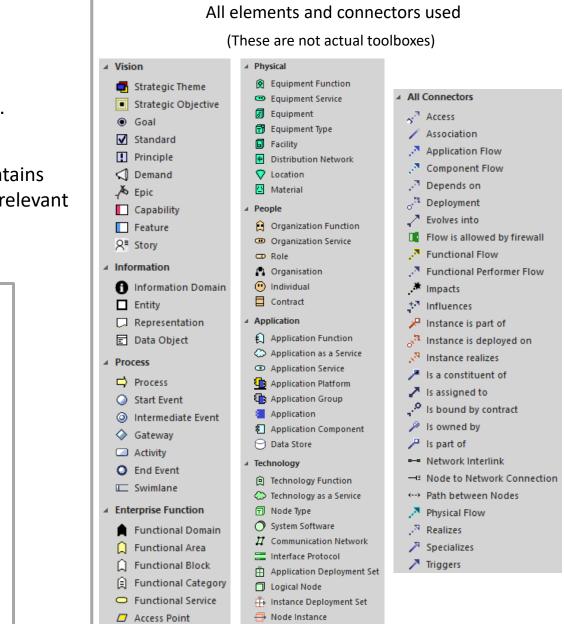
### What we want

Each diagram type has its own toolbox.

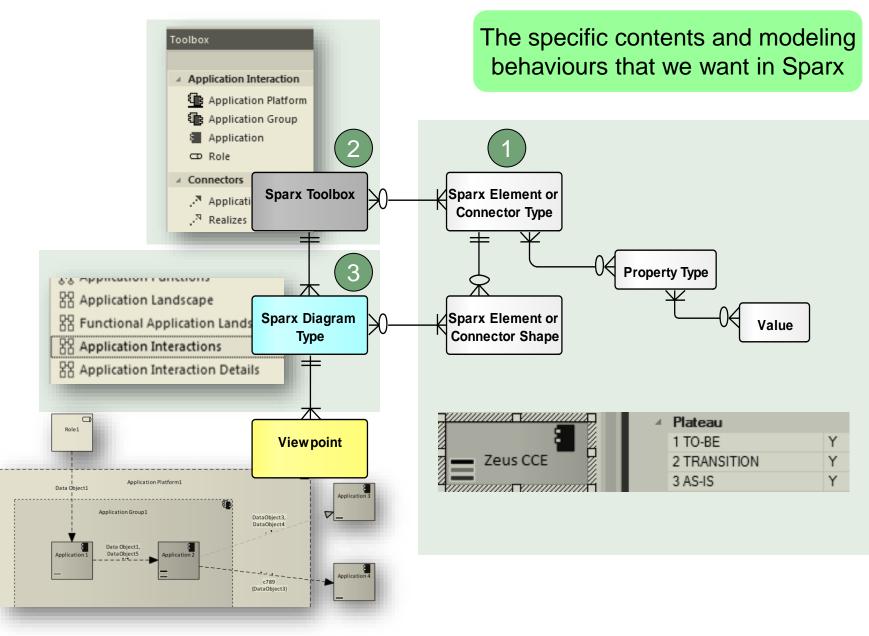
Each diagram-specific toolbox only contains the elements and connectors that are relevant to this diagram type.

> Toolbox for the diagram type "Application Interactions"

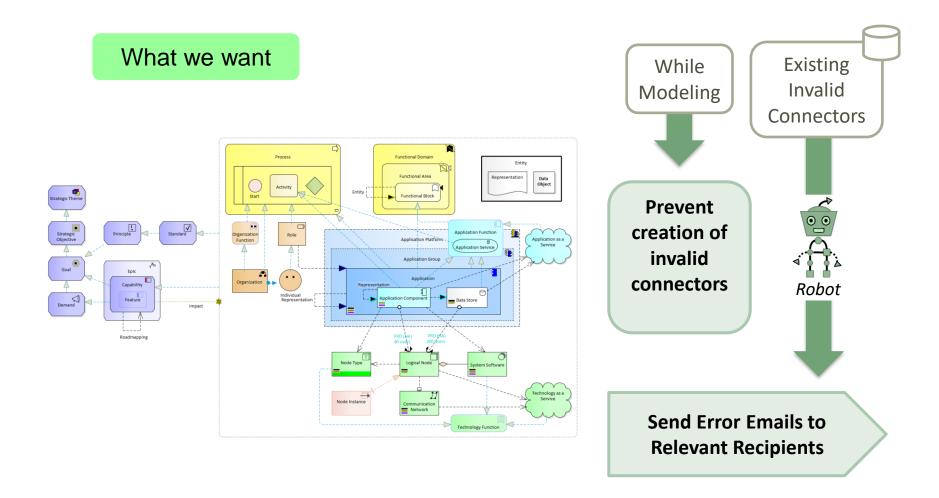
- Application Interaction
  - Application
  - 🗢 Role
  - Organization Function
  - Organization
- A Application Interaction Connectors
  - Application Flow
  - Depends on



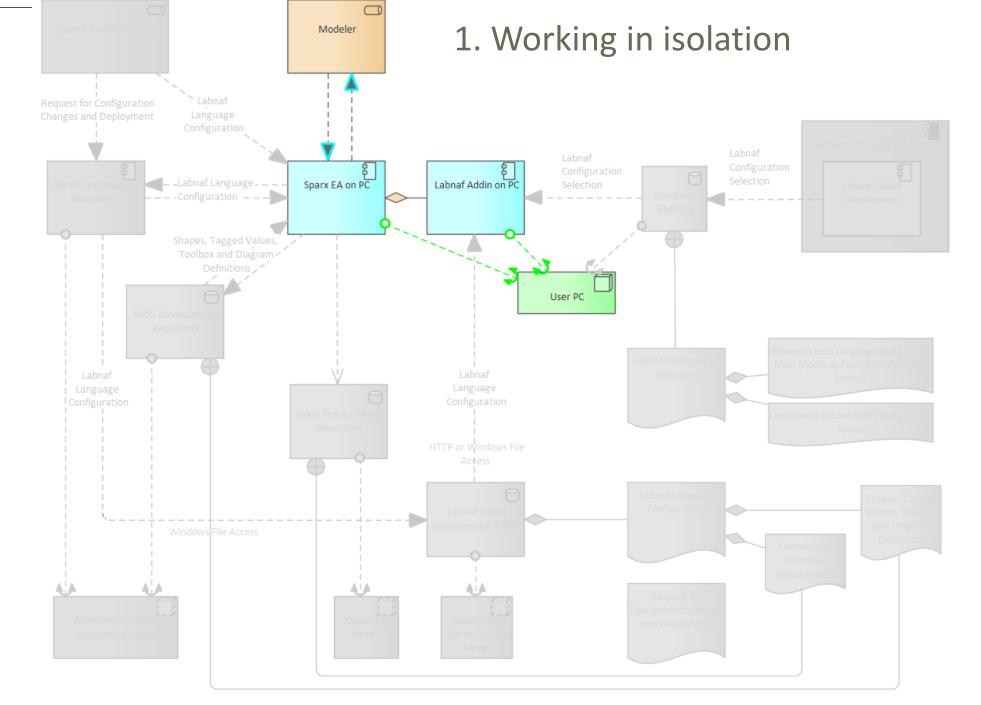
## Key items to be designed and configured



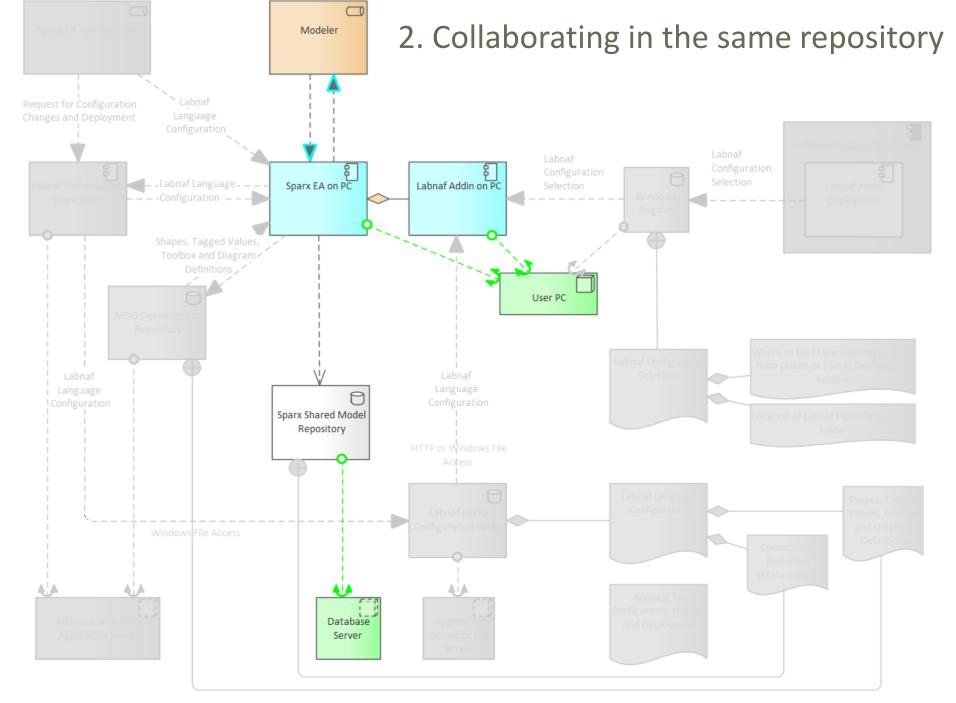
We also want an agile Language Metamodel used both for documentation & automatic model validation

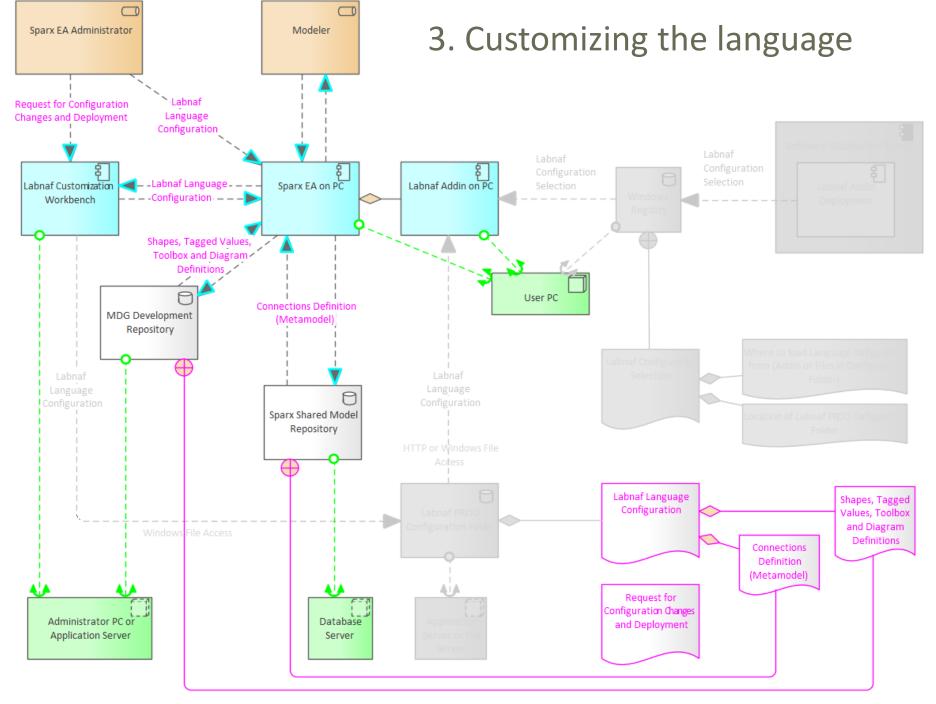


# The evolving environment



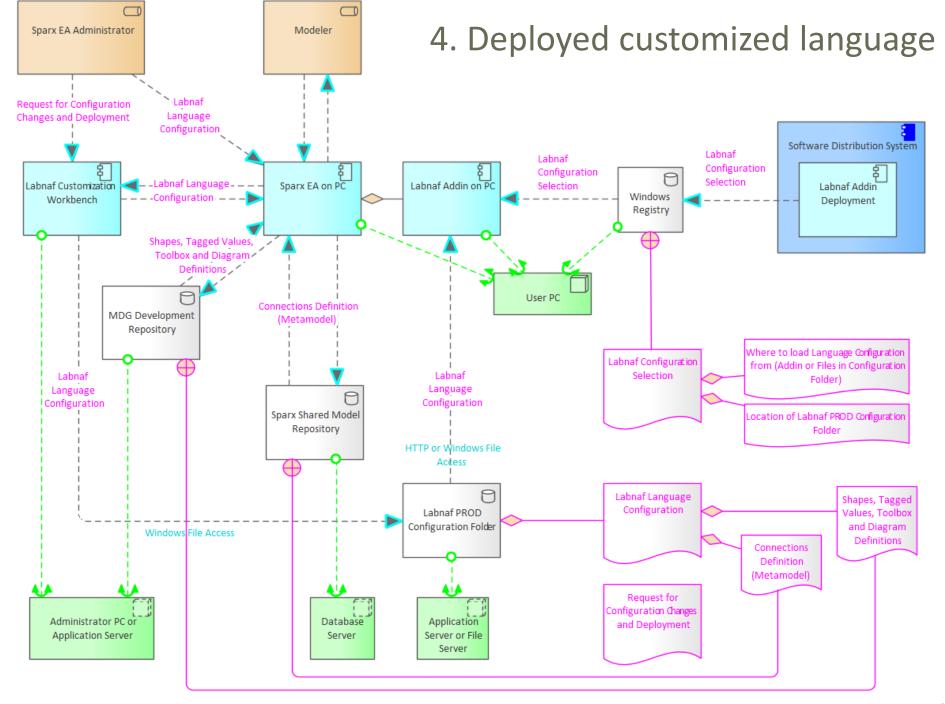
#### © 2014-2021 Alain De Preter - All Rights Reserved





#### © 2014-2021 Alain De Preter - All Rights Reserved

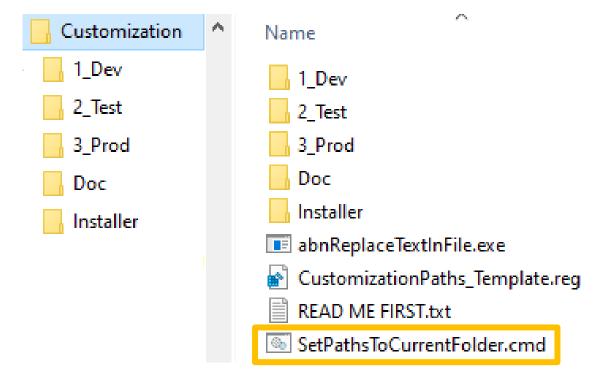
www.labnaf.oh6



## How to proceed in practice...

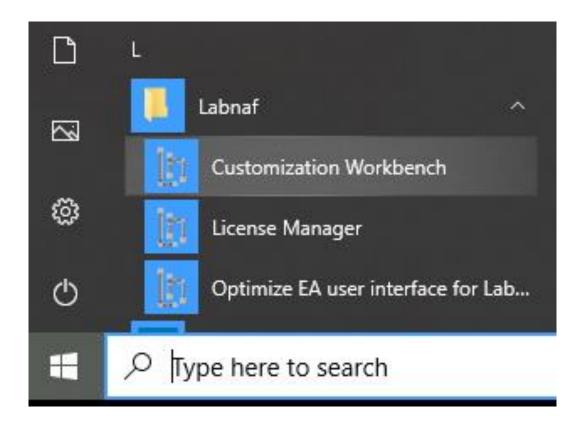
## Automatic configuration to start customization

- Copy the Labnaf\_Customization folder anywhere you want on your file system
- Double-click on "SetPathsToCurrentFolder.cmd"



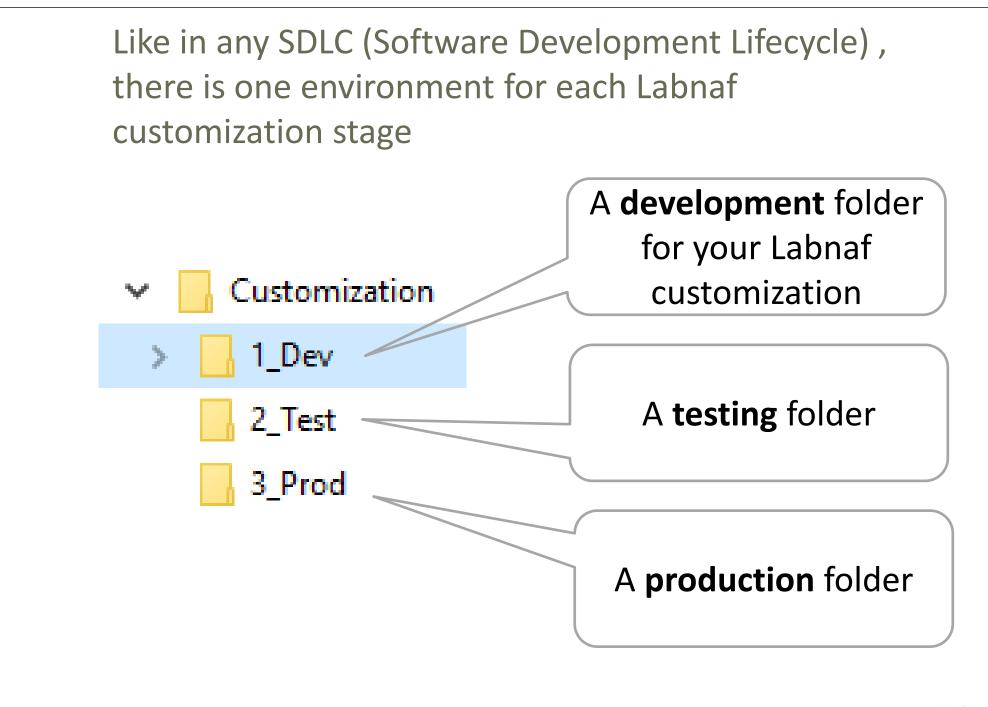
This updates the Labnaf configuration files and registry keys following the "Labnaf\_Customization" folder location.

## Start the Customization Workbench...



# The Customization Workbench guides you throughout the Language customization lifecycle

Labnaf Customization Workbench	<u></u>		
ave Reload Load MDG from:	es 🔘 AddIn		
Software Development Lifecycle Environ	nent		
Development folder:	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev	Select Folder	
Testing configuration folder:	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test	Select Folder	Activ
Production configuration folder:	H:\Tools\LabnafConfig	Select Folder	Activ
Active Runtime Configuration on this PC:	PROD		
Load MDG file from folder:	H:\Tools\LabnafConfig		
MDG file expected in this folder:	H:\Tools\LabnafConfig\Labnaf_Custom_MDG.xml	2019-03-05 11:59:1	2
Connectors Definition used (always from PROD):	H:\Tools\LabnafConfig\Labnaf_Custom_QuickLinks.xml	2019-03-04 17:36:2	5
Software Development Lifecycle		Time Last Changed	I
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP)	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	-	
Software Development Lifecycle MDG Development		2019-03-05 12:50:3	6
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS)	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2019-03-05 12:50:3 2019-03-05 11:24:0	6 2 2
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing MDG Testing MDG Testing Activate Testing Configuration Open Testing Repository Copy MDG from Testing => Production Configuring Production	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custon C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Test_Re	2019-03-05 12:50:3 2019-03-05 11:24:0	6 2 2 6
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing MDG Testing Activate Testing Configuration Open Testing Repository Copy MDG from Testing => Production	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom <b>C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom</b>	2019-03-05 12:50:3 2019-03-05 11:24:0 2019-03-05 11:59:1 2019-03-05 11:59:1	6 2 2 6 2



## **SDLC Environment Setting**

Select the **Development**, **Testing** and **Production** configuration folders

Labnaf Customization Workbench	4		
Save Reload Load MDG from: O Fi	es 🔘 AddIn		Ab
Software Development Lifecycle Environ	ment		
Development folder:	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev	Select Folder	
Testing configuration folder:	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test	Select Folder	Activate
Production configuration folder:	H:\Tools\LabnafConfig	Select Folder	Activate
Active Runtime Configuration on this PC:	PROD		
Load MDG file from folder:	H:\Tools\LabnafConfig		
MDG file expected in this folder:	H:\Tools\LabnafConfig\Labnaf_Custom_MDG.xml	2019-03-05 11:59:12	
Connectors Definition used (always from PROD):	H:\Tools\LabnafConfig\Labnaf_Custom_QuickLinks.xml	2019-03-04 17:36:25	
Software Development Lifecycle		Time Last Changed	
MDG Development			
Edit MDG Source Model (EAP)	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2019-03-05 12:50:36	
Edit MDG Deployment File (MTS)	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf _Custon	2019-03-05 11:24:02	
Generate MDG => Testing			



2\_Test

3 Prod

1 Dev

### **Development Folder**

#### Pictures

WSL LABN\_Diagrams\_01\_Vision.xml LABN\_Diagrams\_02\_Information.xml LABN\_Diagrams\_03\_Physical\_Material.xml LABN\_Diagrams\_04\_Process.xml LABN\_Diagrams\_05\_Enterprise\_Function.xml LABN\_Diagrams\_06\_People.xml LABN\_Diagrams\_07\_Application.xml LABN\_Diagrams\_08\_Technology.xml LABN\_Diagrams\_09\_Equipment.xml LABN\_Diagrams\_10\_Configuration.xml LABN\_Diagrams\_11\_Common.xml LABN\_Diagrams\_99\_All.xml LABN\_TB\_Activities.xml LABN\_TB\_Any.xml LABN\_TB\_App\_Dep.xml LABN\_TB\_App\_Func.xml LABN\_TB\_App\_Func\_Interactions.xml LABN\_TB\_App\_Func\_Realizations.xml DABN\_TB\_App\_Inter\_Details.xml LABN\_TB\_App\_Interactions.xml LABN\_TB\_App\_Land.xml LABN\_TB\_Archi\_Management.xml LABN\_TB\_Connectivity.xml

LABN\_TB\_ContractsAndImplications.xml LABN\_TB\_ControlledElementValues.xml LABN\_TB\_Corp\_Strategy\_Map.xml LABN\_TB\_Demands.xml LABN\_TB\_Distribution.xml LABN\_TB\_Entities.xml LABN\_TB\_Equipment\_Func.xml LABN\_TB\_Equipment\_Func\_Relalizations.xml LABN\_TB\_Equipment\_Land.xml LABN TB Evolution.xml LABN\_TB\_FreeText.xml LABN\_TB\_Func\_App\_Land.xml LABN\_TB\_Func\_Eqp\_Land.xml LABN\_TB\_Func\_Interactions.xml LABN\_TB\_Func\_Land.xml LABN\_TB\_Func\_Org\_Land.xml LABN\_TB\_Goals.xml LABN\_TB\_HLReqRoadmap.xml LABN\_TB\_Info\_Prod\_and\_Usage.xml LABN\_TB\_Info\_Storage.xml LABN\_TB\_Information.xml LABN\_TB\_Instance\_Dep.xml LABN\_TB\_Locations.xml LABN\_TB\_Material.xml LABN\_TB\_Motivations.xml

LABN\_TB\_Org\_Func.xml LABN\_TB\_Org\_Func\_Interactions.xml LABN\_TB\_Org\_Func\_Realizations.xml LABN\_TB\_Org\_Interactions.xml LABN\_TB\_Org\_Land.xml LABN\_TB\_Owned\_By\_Ent\_Func.xml LABN\_TB\_Owned\_By\_Organizations.xml DABN\_TB\_Phys\_Func\_Interactions.xml LABN\_TB\_Phys\_Interactions.xml LABN TB Principles.xml LABN\_TB\_Process\_Realizations.xml LABN\_TB\_Processes.xml 💭 LABN\_TB\_Standards.xml LABN\_TB\_StdTechSvc.xml 🔓 LABN\_TB\_Tabular\_Report\_Template\_Design.xn 🛛 🌑 LABN\_TB\_Tech\_Func.xml LABN\_TB\_Tech\_Func\_Realizations.xml LABN\_TB\_Tech\_Land.xml LABN\_TB\_Tech\_Usage.xml 🐼 Labnaf\_Custom\_Dev.eap Labnaf\_Custom\_MDG.xml Labnaf\_Custom\_Profile.xml Labnaf Custom Template.MTS

#### Step 1: Develop your customized Labnaf language

- Labnaf\_Custom\_Dev.eap: A Labnaf model repository for customizing your Labnaf modeling language
- Pictures: Folder for storing custom language images

#### Step 2: Generate language "profiles"

- LABN\_Diagrams\_...xml: Diagram types
- LABN\_Custom\_Profile.xml: Element & connector types
  - LABN\_TB....xml: Toolboxes

#### Step 3: Use the wizard to update

- Labnaf\_Custom.MTS: The binding of all profile files needed
- Labnaf\_Custom\_MDG.xml: Your resulting customized Labnaf modeling language (generated in the Test folder)

For further details, see Sparx'Systems MDG Technologies User's Guide @ https://sparxsystems.com/resources/user-guides/modeling/mdg-technologies.pdf

1\_Dev

2\_Test

3 Prod

## J Develop your customized Labnaf language

х Labnaf Customization Workbench Load MDG from: 💿 Files 🛛 🔘 AddIn About Save Reload Software Development Lifecycle Environment Development folder: C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1\_Dev Select Folder Testing configuration folder: C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2\_Test Select Folder Activate Production configuration folder: Activate H:\Tools\LabnafConfig Select Folder Active Runtime Configuration on this PC: PROD Load MDG file from folder: H:\Tools\LabnafConfig MDG file expected in this folder: H:\Tools\LabnafConfig\Labnaf\_Custom\_MDG.xml 2019-03-05 11:59:12 Connectors Definition used (always from PROD): H:\Tools\LabnafConfig\Labnaf\_Custom\_QuickLinks.xml 2019-03-04 17:36:25 Time Last Changed Software Development Lifecycle MDG Development C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1 Dev\Labnaf Custom 2019-03-05 12:50:36 Edit MDG Source Model (EAP) C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1\_Dev\Labnaf \_Custorr 2019-03-05 11:24:02 Edit MDG Deployment File (MTS) Generate MDG => Testing

# As soon as the Labnaf\_Custom\_dev.eap in open ensure all ribbons are showing

2_Test	

1\_Dev

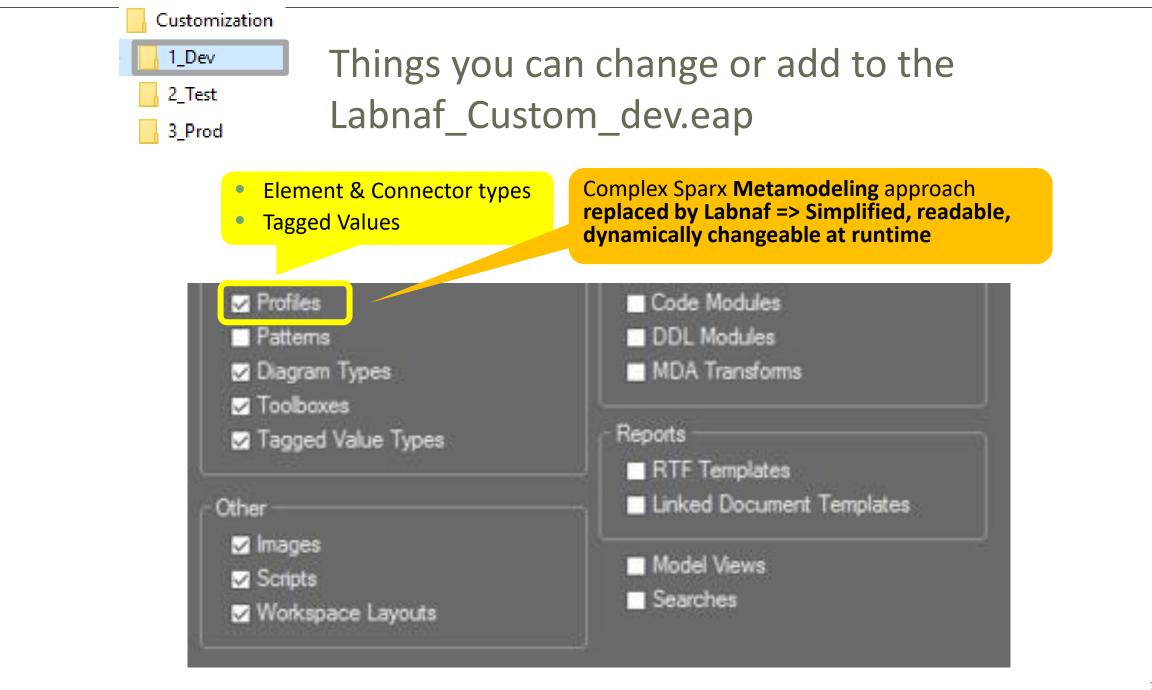
3\_Prod

						Labnaf_C	Custom_Dev - En	terprise Archite	ct 🛛		
⊗ -	Start	Design	Layout	Develop	Publish	Simulate	Specialize	Construct	Execute	Configure	Find Command

		Labnaf_Custom_Dev - Enterprise Architect
🛇 🔹 🛛 Start Design Layout	Develop Publish	♀ Find Command
Search Portals	Workspaces Working Prefe	FullScreen Visual Style Discussions Review
Explore	Workspaces	
G 🕤 🕨 / 🕨 Dev 🕨 MDG 🕨 LABN	Select a Workspace	
Browser	Manage Workspaces	LABN, Business Process Diagram
	Save New Layout	
🎦 🗀 맨   🕇 🔸   🌯 🚍 -	Startup	age 맴LABN ×
Project Context Diagram Element	My Default Package	Stereotypes
🖌 🛅 Dev	My Default Diagram	
▲ ■ MDG	Clear Default Diagram	
명 MDG	Other	Motivation
🔺 🛱 LABN	Manage Views	
圮 Building An MDG Te	Show All Ribbons	
😕 Creating an MDG Te	✓ Show Start Page	Ensure all Ribbons are showing, including those hidden using a
A D LABN	Always on Top	Custom Ribbon Set



- This feature automatically opens and organizes all the EA windows that are useful with Labnaf including Labnaf customization
- Select the "Start" ribbon.
- Select the option "Workspaces > Manage Workspaces
   > My Workspaces > Labnaf Workspace Layout".
- Press the "Apply" button.



## Updating the Labnaf MDG Profiles

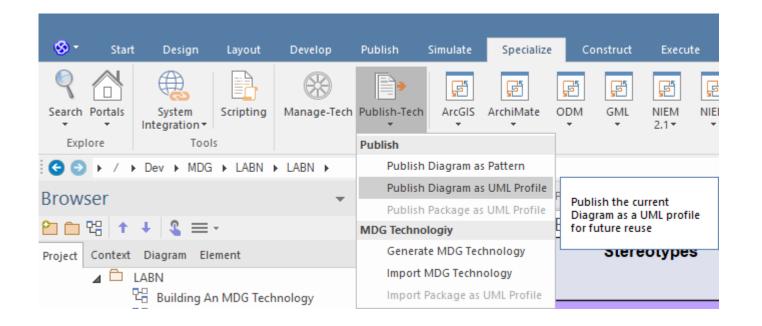
See Sparx System's EA documentation about updating

- <u>Stereotype Profiles</u>
- <u>Toolbox Profiles</u>
- Diagram Profiles

Refer to "Labnaf Customization - Updating Profiles.xlsx" to get the Labnaf MDG profile names and corresponding XML file names

	Α	В	С	D	E	F	G	H	- I	J
1	Profile Name	XML File Name								
2	LABN	Labnaf_Custom_Profile.xml	Save UM	IL Profile						×
3			Profile N	Innes II	ABN					
4			Profile IV	vame: L			_		_	
5			Filena <u>m</u>	e: C	\Test\Labnaf	_Customizatio	n\1_Dev <mark>\</mark> Lab	naf_Custom_I	Profile.xml	
6			Profile T	уре: Е/	UML(2.x)		Ŧ	Version:	2.0	
7			Nataa							_
8			No <u>t</u> es:							^
9										
10										~
11			<u>I</u> nclu							
12				lement Size		$\checkmark$	Alternate Im	age		
13				Color and Ap	bearance	$\checkmark$	Code Templ	ates		
14								<b>_</b>		
15							<u>S</u> ave	Cancel	<u>H</u> el	p

## Saving the Labnaf MDG Profiles



Working around a Sparx bug: Making sure the default colors are saved when saving as profile

- Either show the pan & zoom window
- or scroll down the length of the diagram once before you do an export
- or save the diagram fully zoomed out.

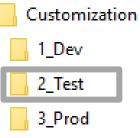
1\_Dev

2\_Test

3\_Prod

## Generate the Customized Labnaf MDG file (Language configuration)

ave Reload Load MDG from:	es 🔘 AddIn		
Software Development Lifecycle Environ			
Development folder:			
	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev	Select Folder	<u> </u>
Testing configuration folder:	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test	Select Folder	Activ
Production configuration folder:	H:\Tools\LabnafConfig	Select Folder	Activ
Active Runtime Configuration on this PC:	PROD		
Load MDG file from folder:	H:\Tools\LabnafConfig		
MDG file expected in this folder:	H:\Tools\LabnafConfig\Labnaf_Custom_MDG.xml	2019-03-05 11:59:12	
Connectors Definition used (always from PROD):	H:\Tools\LabnafConfig\Labnaf_Custom_QuickLinks.xml	2019-03-04 17:36:25	
Software Development Lifecycle		Time Last Changed	
Software Development Lifecycle		Time Last Changed	
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP)	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2019-03-05 12:50:36	
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS)		2019-03-05 12:50:36	
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2019-03-05 12:50:36	
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS)	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2019-03-05 12:50:36	
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2019-03-05 12:50:36 2019-03-05 11:24:02	
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing MDG Testing Activate Testing Configuration Open Testing Repository	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2019-03-05 12:50:36 2019-03-05 11:24:02	
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing MDG Testing Activate Testing Configuration	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2019-03-05 12:50:36 2019-03-05 11:24:02	
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing MDG Testing Activate Testing Configuration Open Testing Repository	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2019-03-05 12:50:36 2019-03-05 11:24:02	
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing MDG Testing <u>Activate Testing Configuration</u> Open Testing Repository Copy MDG from Testing => Production	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2019-03-05 12:50:36 2019-03-05 11:24:02	
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing MDG Testing MDG Testing Activate Testing Configuration Open Testing Repository Copy MDG from Testing => Production Configuring Production	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom	2019-03-05 12:50:36 2019-03-05 11:24:02 2019-03-05 11:59:12 2019-03-05 11:59:12	



## The Testing Stage

### **Contents of the Testing Folder**

Labnaf\_Custom\_MDG.xml

Labnaf\_Custom\_MDG.xml: Your customized Labnaf modeling language

Labnaf\_Test\_Repository.eap: Your model repository that you will use to test your customized Labnaf modeling language

1\_Dev

2\_Test

3\_Prod

# Activate the Testing Configuration and create some diagrams in the Testing Repository

ave Reload Load MDG from: <ul> <li>Fil</li> </ul>	les 🕥 AddIn	
Software Development Lifecycle Environ	ment	
Development folder:	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev Select Folder	
Festing configuration folder:	M:\SparxDev\Distributed\Labnaf\Environments\2_Test Select Folder	Activ
Production configuration folder:	M:\SparxDev\Distributed\Labnaf\Environments\3_Prod	Activ
Active Runtime Configuration on this PC:	TESTING	
Load MDG file from folder:	M:\SparxDev\Distributed\Labnaf\Environments\2_Test	
MDG file expected in this folder:	M:\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom_MD 2019-03-29 12:36:0	)2
Connectors Definition used (always from PROD):	M:\SparxDev\Distributed\Labnaf\Environments\3_Prod\Labnaf_Custom_Qu 2019-03-04 17:36:2	5
Software Development Lifecycle	Time Last Changed	
Software Development Lifecycle		
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP)	Time Last Changed	<b>1</b> .7
Software Development Lifecycle MDG Development	Time Last Changed	<b>1</b> .7
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS)	Time Last Changed	<b>1</b> .7 )2
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing MDG Testing Activate Testing Configuration Open Testing Repository Copy MDG from Testing => Production Configuring Production	C:\4\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom_2019-03-29 12:32:1 C:\4\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custorr_2019-03-29 12:36:0 M:\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom_MC_2019-03-29 12:36:0 M:\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Test_Reposit_2019-03-05 11:41:1	<b>1</b> .7 12 12
Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing MDG Testing Activate Testing Configuration Open Testing Repository	Time Last Changed C:\4\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom_2019-03-29 12:32:1 C:\4\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custorr 2019-03-29 12:36:0 M:\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom_MC 2019-03-29 12:36:0	<b>1</b> .7 .2 .2 .2 .6

1\_Dev

2\_Test

3\_Prod

# Copy the Customized Labnaf MDG file to Production

Labnaf Customization Workbench				
Save Reload Load MDG from:	les 🔘 AddIn			A
Software Development Lifecycle Environ	ment			
Development folder:	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev	Select Folder		
Testing configuration folder:	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test	Select Folder	ļ	Activat
Production configuration folder:	H:\Tools\LabnafConfig	Select Folder	/	Activat
Active Runtime Configuration on this PC:	PROD			
Load MDG file from folder:	H:\Tools\LabnafConfig			
MDG file expected in this folder:	H:\Tools\LabnafConfig\Labnaf_Custom_MDG.xml	2019-03-05 11:5	9:12	
Connectors Definition used (always from PROD):	H:\Tools\LabnafConfig\Labnaf_Custom_QuickLinks.xml	2019-03-04 17:3	6:25	
MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS)	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custor			
Generate MDG => Testing	]			
MDG Testing				
Activate Testing Configuration	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custor			
Open Testing Repository	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Test_Re	2019-03-05 11:4:	1:16	
Copy MDG from Testing => Production				
Configuring Production	<u>&gt;</u>			
Activate Production Configuration	H:\Tools\LabnafConfig\Labnaf_Custom_MDG.xml	2019-03-05 11:5	9:12	
Open Production Repository & Edit Metamodel	H:\Tools\LabnafConfig\Labnaf_Prod_Repository.eap	2019-02-28 18:0		
		2019-03-04 17:3		

Customization
1_Dev
2_Test
3_Prod

# The Production Stage

## **Contents of the Production Folder**

Labnaf\_Custom\_MDG.xml Labnaf\_Custom\_QuickLinks.xml Labnaf\_Prod\_Repository.eap

## The production folder can be located on a web server folder. In which case:

- The Customization Workbench accesses this folder directly on the file system.
- End users, using the Labnaf Addin, access the corresponding web folder url instead.

Labnaf\_Custom\_MDG.xml: Your customized Labnaf modeling language

Labnaf\_Prod\_Repository.eap: Your production model repository where you can dynamically customize the language metamodel

Labnaf\_Custom\_Quicklinks.xml: The connection rules generated from the language metamodel

1\_Dev

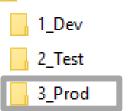
2\_Test

3\_Prod

# Activate the Production Configuration and open the Production Repository

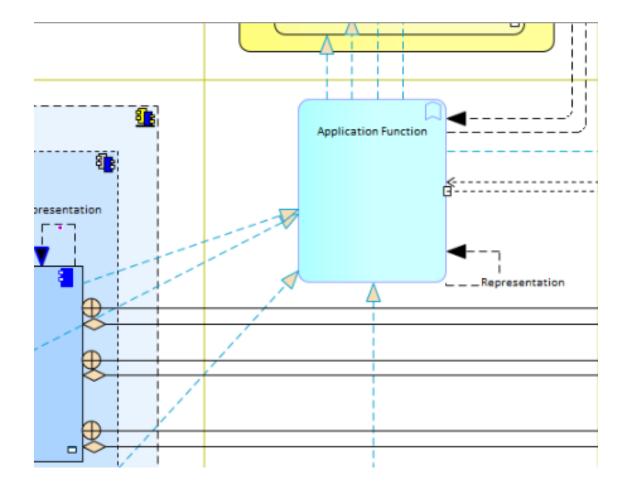
ave Reload Load MDG from:			
Software Development Lifecycle Environ	ment		
Development folder:	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev	Select Folder	
Testing configuration folder:	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test	Select Folder	Activat
Production configuration folder:	H:\Tools\LabnafConfig	Select Folder	Activat
Active Runtime Configuration on this PC:	PROD		
Load MDG file from folder:	H:\Tools\LabnafConfig		
MDG file expected in this folder:	H:\Tools\LabnafConfig\Labnaf_Custom_MDG.xml	2019-03-05 11:59:12	
Connectors Definition used (always from PROD):	H:\Tools\LabnafConfig\Labnaf_Custom_QuickLinks.xml	2019-03-04 17:36:25	
<b>Software Development Lifecycle</b> MDG Development		Time Last Changed	
		Time Last Changed	
MDG Development	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2	
		2019-03-05 12:50:36	
MDG Development Edit MDG Source Model (EAP)	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2019-03-05 12:50:36	
MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2019-03-05 12:50:36	
MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2019-03-05 12:50:36 r 2019-03-05 11:24:02	
MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custon	2019-03-05 12:50:36 2019-03-05 11:24:02	
MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing MDG Testing Activate Testing Configuration	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custon	2019-03-05 12:50:36 2019-03-05 11:24:02	
MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing MDG Testing Activate Testing Configuration Open Testing Repository Copy MDG from Testing => Production	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custon	2019-03-05 12:50:36 2019-03-05 11:24:02	
MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing MDG Testing Activate Testing Configuration Open Testing Repository	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custon	2019-03-05 12:50:36 2019-03-05 11:24:02	

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## Update the language metamodel

• Add or delete connectors in the language metamodel



<u>Further details</u> on the Labnaf Guidance web site.

1\_Dev

2\_Test

3\_Prod

## (Re)generate the connector definitions

	Labnaf Customization Workbench			
Development folder:       C:\AlLT\SparxDev\Distributed\Labnah\Environments\1_Dev       Select Folder       Active         Testing configuration folder:       C:\AlLT\SparxDev\Distributed\Labnah\Environments\2_Test       Select Folder       Active         Production configuration folder:       H:\Tools\LabnatConfig       Select Folder       Active         Active Runtime Configuration on this PC:       PROD       Configuration       Culp-03-05 11:59:12         Load MDG file from folder:       H:\Tools\LabnatConfig       2019-03-05 11:59:12       Connectors Definition used (always from PROD):       H:\Tools\LabnatConfig\LabnatConfi	ave Reload Load MDG from:	iles 🕜 AddIn		A
Testing configuration folder:       C:\A\LT\Span:Dev\Distributed\Labnaf\Environments\2_Test       Select Folder       Active         Production configuration folder:       H:\Tools\LabnafConfig       Select Folder       Active         Active Runtime Configuration on this PC:       PROD       Image: Configuration on this PC:       PROD         Load MDG file from folder:       H:\Tools\LabnafConfig       2019-03-05 11:59:12       Connectors Definition used (always from PROD):       H:\Tools\LabnafConfig\Labnaf_Custom_MDG.xml       2019-03-05 11:59:12       Connectors Definition used (always from PROD):       H:\Tools\LabnafConfig\Labnaf_Custom_QuickLinks.xml       2019-03-04 17:36:25         Software Development Lifecycle       Time Last Changed       MDG Development       C:\A\LT\Span:Dev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom 2019-03-05 11:25:0:36       Edit MDG Source Model (EAP)       C:\A\LT\Span:Dev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom 2019-03-05 11:25:0:36       Edit MDG Source Model (EAP)       C:\A\LT\Span:Dev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom 2019-03-05 11:24:02       Generate MDG => Testing         MDG Testing       C:\A\LT\Span:Dev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom 2019-03-05 11:59:12       Output:Os:05:11:59:12       Output:Os:05:11:59:12         Copy MDG from Testing => Production       C:\A\LT\Span:Dev\Distributed\Labnaf\Environments\2_Test\Labnaf_Test_Re 2019-03-05 11:59:12       Configuration 2019-03-05 11:59:12       Configuration 2019-03-05 11:59:12	Software Development Lifecycle Enviror	ument		
Production configuration folder:       Extended Config       Extended Config         Active Runtime Configuration on this PC:       PROD         Load MDG file configuration on this PC:       PROD         Load MDG file expected in this folder:       H\Tools\LabnafConfig       2019-03-05 11:59:12         Connectors Definition used (always from PROD):       H\Tools\LabnafConfig\Labnaf_Custom_MDG.xml       2019-03-05 11:59:12         Connectors Definition used (always from PROD):       H\Tools\LabnafConfig\Labnaf_Custom_QuickLinks.xml       2019-03-05 11:59:12         Software Development       Edit MDG Source Model (EAP)       C:\A\LT\SparxDev\Distributed\Labnaf_Environments\1_Dev\Labnaf_Custom 2019-03-05 11:250:36         Edit MDG Deployment File (MTS)       C:\A\LT\SparxDev\Distributed\Labnaf_Environments\1_Dev\Labnaf_Custom 2019-03-05 11:250:36         MDG Testing       C:\A\LT\SparxDev\Distributed\Labnaf_Environments\1_Dev\Labnaf_Custom 2019-03-05 11:59:12         MDG Testing       C:\A\LT\SparxDev\Distributed\Labnaf_Environments\2_Test\Labnaf_Custom 2019-03-05 11:59:12         Open Testing Repository	Development folder:	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev	Select Folder	
Active Runtime Configuration on this PC:       PROD         Load MDG file from folder:       Ht/Tools\LabnafConfig         MDG file expected in this folder:       Ht/Tools\LabnafConfig\Labnaf_Custom_MDG.xml       2019-03-05 11:59:12         Connectors Definition used (always from PROD):       Ht/Tools\LabnafConfig\Labnaf_Custom_QuickLinks.xml       2019-03-04 17:36:25         Software Development Lifecycle       Time Last Changed         MDG Development       C\ALLT\SparxDev\Distributed\LabnafLenvironments\1_Dev\Labnaf_Custom_2019-03-05 11:24:02         Generate MDG => Testing       C\ALLT\SparxDev\Distributed\LabnafLenvironments\1_Dev\Labnaf_Custor 2019-03-05 11:59:12         MDG Testing       C\ALLT\SparxDev\Distributed\LabnafLenvironments\2_Test\Labnaf_Custor 2019-03-05 11:59:12         Open Testing Repository       C\ALLT\SparxDev\Distributed\LabnafLenvironments\2_Test\Labnaf_Custor 2019-03-05 11:59:12         Copy MDG from Testing => Production       C\ALLT\SparxDev\Distributed\LabnafLenvironments\2_Test\Labnaf_Environments\2_Test\Labnaf_Environments\2_Test\Labnaf_Test_Re 2019-03-05 11:41:16         Configuring Production       LitYools\LabnafConfig\Labnaf_Environments\2_Test\Labnaf_Environments\2_Test\Labnaf_Environments\2_Test\Labnaf_Environments\2_Test\Labnaf_Environments\2_Test\Labnaf_Environments\2_Test\Labnaf_Environments\2_Test\Labnaf_Environments\2_Test\Labnaf_Environments\2_Test\Labnaf_Environments\2_Test\Labnaf_Environments\2_Test\Labnaf_Environments\2_Test\Labnaf_Environments\2_Test\Labnaf_Environments\2_Test\Labnaf_Environments\2_Test\Labnaf_Environments\2_Test\Labnaf_Environments\2_Test\Labnaf	Testing configuration folder:	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test	Select Folder	Activate
Load MDG file from folder:       HkToolskLabnafConfig         MDG file expected in this folder:       HkToolskLabnafConfig\Labnaf_Custom_MDG.xml       2019-03-05 11:59:12         Connectors Definition used (always from PROD):       HkToolskLabnafConfig\Labnaf_Custom_QuickLinks.xml       2019-03-04 17:36:25         Software Development Lifecycle       Time Last Changed         MDG Development       C:\A\LT\SparxDev\Distributed\LabnafEnvironments\1_Dev\Labnaf_Custom_2019-03-05 12:50:36         Edit MDG Source Model (EAP)       C:\A\LT\SparxDev\Distributed\LabnafEnvironments\1_Dev\Labnaf_Custom_2019-03-05 11:24:02         Generate MDG => Testing       C:\A\LT\SparxDev\Distributed\LabnafEnvironments\2_Test\Labnaf_custor 2019-03-05 11:24:02         MDG Testing       C:\A\LT\SparxDev\Distributed\LabnafEnvironments\2_Test\Labnaf_custor 2019-03-05 11:59:12         Open Testing Repository       C:\A\LT\SparxDev\Distributed\LabnafEnvironments\2_Test\Labnaf_custor 2019-03-05 11:59:12         Open Testing Repository       C:\A\LT\SparxDev\Distributed\LabnafEnvironments\2_Test\Labnaf_custor 2019-03-05 11:59:12         Copy MDG from Testing => Production       C:\A\LT\SparxDev\Distributed\LabnafEnvironments\2_Test\Labnaf_custor 2019-03-05 11:41:16         Configuring Production       H\Tools\LabnafConfig\LabnafConfig\LabnafEnvironments\2_Test\Labnaf_custor 2019-03-05 11:41:16         MDG Testing       C:\A\LT\SparxDev\Distributed\LabnafEnvironments\2_Test\Labnaf_custor 2019-03-05 11:41:16         Open Testing Repository	Production configuration folder:	H:\Tools\LabnafConfig	Select Folder	Activate
MDG file expected in this folder:       H\Tools\LabnafConfig\LabnafCustom_MDG.xml       2019-03-05 11:59:12         Connectors Definition used (always from PROD):       H\Tools\LabnafConfig\Labnaf_Custom_QuickLinks.xml       2019-03-04 17:36:25         Software Development Lifecycle       Time Last Changed         MDG Development       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom 2019-03-05 12:50:36         Edit MDG Source Model (EAP)       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom 2019-03-05 11:24:02         Generate MDG => Testing       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom 2019-03-05 11:59:12         MDG Testing       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom 2019-03-05 11:59:12         Open Testing Repository       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom 2019-03-05 11:41:16         Copy MDG from Testing => Production       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Test_Re 2019-03-05 11:41:16         Configuring Production       H\Tools\LabnafConfig\Labnaf_Custom_MDG.xml       2019-03-05 11:49:12	Active Runtime Configuration on this PC:	PROD		
MDG file expected in this folder:       H\Tools\LabnafConfig\Labnaf_Custom_MDG.xml       2019-03-05 11:59:12         Connectors Definition used (always from PROD):       H\Tools\LabnafConfig\Labnaf_Custom_QuickLinks.xml       2019-03-04 17:36:25         Software Development Lifecycle       Time Last Changed         MDG Development       C\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom_2019-03-05 12:50:36         Edit MDG Source Model (EAP)       C\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom_2019-03-05 11:24:02         Generate MDG => Testing       C\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom_2019-03-05 11:59:12         MDG Testing       C\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom_2019-03-05 11:59:12         Open Testing Repository       C\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom_2019-03-05 11:41:16         Configuring Production       C\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom_2019-03-05 11:41:16         Configuring Production       2019-03-05 11:41:16	Load MDG file from folder:	H:\Tools\LabnafConfig		
Connectors Definition used (always from PROD):       H:\Tools\LabnafConfig\LabnafCustom_QuickLinks.xml       2019-03-04 17:36:25         Software Development Lifecycle       Time Last Changed         MDG Development       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom_2019-03-05 12:50:36         Edit MDG Deployment File (MTS)       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom 2019-03-05 11:24:02         Generate MDG => Testing       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom 2019-03-05 11:59:12         MDG Testing       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom 2019-03-05 11:59:12         Open Testing Repository       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom 2019-03-05 11:59:12         Copy MDG from Testing => Production       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Test_Re 2019-03-05 11:41:16         Configuring Production       H:\Tools\LabnafConfig\Labnaf_Custom_MDG.xml       2019-03-05 11:59:12	MDG file expected in this folder:		2019-03-05 11:59:12	
Software Development Lifecycle     Time Last Changed       MDG Development     Edit MDG Source Model (EAP)     C:\A\LT\SpanxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom 2019-03-05 12:50:36       Edit MDG Deployment File (MTS)     C:\A\LT\SpanxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom 2019-03-05 11:24:02       Generate MDG => Testing     C:\A\LT\SpanxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom 2019-03-05 11:29:12       MDG Testing     C:\A\LT\SpanxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom 2019-03-05 11:59:12       Open Testing Configuration     C:\A\LT\SpanxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom 2019-03-05 11:59:12       Copy MDG from Testing => Production     C:\A\LT\SpanxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Test_Re 2019-03-05 11:41:16       Configuring Production     H:\Tools\LabnafConfig\Labnaf_Custom_MDG.xml     2019-03-05 11:59:12			2019-03-04 17:36:25	
Generate MDG => Testing         MDG Testing         Activate Testing Configuration       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custor 2019-03-05 11:59:12         Open Testing Repository       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Test_Re 2019-03-05 11:41:16         Copy MDG from Testing => Production       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Test_Re 2019-03-05 11:41:16         Configuring Production       H:\Tools\LabnafConfig\Labnaf_Custom_MDG.xml       2019-03-05 11:59:12	Software Development Lifecycle		Time Last Changed	
Edit MDG Deployment File (MTS)       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custor 2019-03-05 11:24:02         Generate MDG => Testing       MDG Testing         MDG Testing       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custor 2019-03-05 11:59:12         Open Testing Repository       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Test_Re 2019-03-05 11:41:16         Copy MDG from Testing => Production       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Test_Re 2019-03-05 11:41:16         Configuring Production       H:\Tools\LabnafConfig\Labnaf_Custor_MDG.xml       2019-03-05 11:59:12	Software Development Lifecycle		Time Last Changed	
MDG Testing         Activate Testing Configuration       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custor 2019-03-05 11:59:12         Open Testing Repository       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Test_Re 2019-03-05 11:41:16         Copy MDG from Testing => Production       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Test_Re 2019-03-05 11:41:16         Configuring Production       H:\Tools\LabnafConfig\Labnaf_Custom_MDG.xml       2019-03-05 11:59:12	Software Development Lifecycle MDG Development		-	
Activate Testing Configuration       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custor 2019-03-05 11:59:12         Open Testing Repository       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Test_Re 2019-03-05 11:41:16         Copy MDG from Testing => Production       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Test_Re 2019-03-05 11:41:16         Configuring Production       H:\Tools\LabnafConfig\Labnaf_Custom_MDG.xml       2019-03-05 11:59:12	Software Development Lifecycle MDG Development Edit MDG Source Model (EAP)	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2019-03-05 12:50:36	
Open Testing Repository       C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Test_Re       2019-03-05       11:41:16         Copy MDG from Testing => Production       Configuring Production       2019-03-05       11:41:16         Activate Production Configuration       H:\Tools\LabnafConfig\Labnaf_Custom_MDG.xml       2019-03-05       11:59:12	Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS)	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2019-03-05 12:50:36	
Copy MDG from Testing => Production         Configuring Production       Configuring Production         Activate Production Configuration       H:\Tools\LabnafConfig\Labnaf_Custom_MDG.xml       2019-03-05 11:59:12	Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2019-03-05 12:50:36	
Configuring Production           Activate Production Configuration         H:\Tools\LabnafConfig\Labnaf_Custom_MDG.xml         2019-03-05 11:59:12	Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing MDG Testing	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom	2019-03-05 12:50:36 2019-03-05 11:24:02	
Activate Production Configuration H:\Tools\LabnafConfig\Labnaf_Custom_MDG.xml 2019-03-05 11:59:12	Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing MDG Testing Activate Testing Configuration Open Testing Repository	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom	2019-03-05 12:50:36 2019-03-05 11:24:02 2019-03-05 11:59:12	
	Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing MDG Testing Activate Testing Configuration Open Testing Repository	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom	2019-03-05 12:50:36 2019-03-05 11:24:02 2019-03-05 11:59:12	
Open Production Repository & Edit Metamodel H:\Tools\LabnafConfig\Labnaf_Prod_Repository.eap 2019-02-28 18:01:07	Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing MDG Testing Activate Testing Configuration Open Testing Repository Copy MDG from Testing => Production	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custom	2019-03-05 12:50:36 2019-03-05 11:24:02 2019-03-05 11:59:12	
Generate Connectors Definition => Production H\Tools\LaboratConfig\LaboratConfig\LaboratCustom QuickLinks yml 2019-03-04 17:36:25	Software Development Lifecycle MDG Development Edit MDG Source Model (EAP) Edit MDG Deployment File (MTS) Generate MDG => Testing MDG Testing Activate Testing Configuration Open Testing Repository Copy MDG from Testing => Production Configuring Production	C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\1_Dev\Labnaf_Custom C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Custon C:\A\LT\SparxDev\Distributed\Labnaf\Environments\2_Test\Labnaf_Test_Re	2019-03-05 12:50:36 2019-03-05 11:24:02 2019-03-05 11:59:12 2019-03-05 11:59:12	

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38

## Deployment for end users of the Labnaf Addin

To deploy the customized version of the language on end users' desktops, the software distribution package must set some registry keys under **HKEY\_CURRENT\_USER\Software\Labnaf** 

- LoadMdgFrom = MdgFiles
- ActiveFolder and ProdFolder point to the production folder (web url or file system)
   For end users ActiveFolder and ProdFolder must have the same value.

#### 🏥 Registry Editor

File Edit View Favorites Help

Computer\HKEY_CURRENT_USER\Software\Labnaf										
Labnaf Labnaf.Installed LogiShrd Logitech Magic TuneDB	^	Name (Default)	Type REG_SZ	Data (value not set)						
		ab ActiveFolder ab LoadMdgFrom ab ProdFolder	REG_SZ REG_SZ REG_SZ	http://localhost/MdgFiles MdgFiles http://localhost/MdgFiles						

#### 📫 Registry Editor

<u>File Edit View Favorites H</u>elp

Computer\HKEY\_CURRENT\_USER\Software\Labnaf

Labnaf Labnaf.Installed	^	Name ab (Default)	Type REG SZ	Data (value not set)
LogiShrd Logitech		ab ActiveFolder	REG_SZ	C:\Users\User\Desktop\Labnaf_Package\Labnaf_Customization\3_Prod
Magic TuneDB MainConcept		ab LoadMdgFrom	REG_SZ REG_SZ	MdgFiles C:\Users\User\Desktop\Labnaf_Package\Labnaf_Customization\3_Prod

## Merging your Labnaf customizations into a new version of Labnaf

