

Unified Framework for Driving Transformations

Labnaf PowerShell

User Guide

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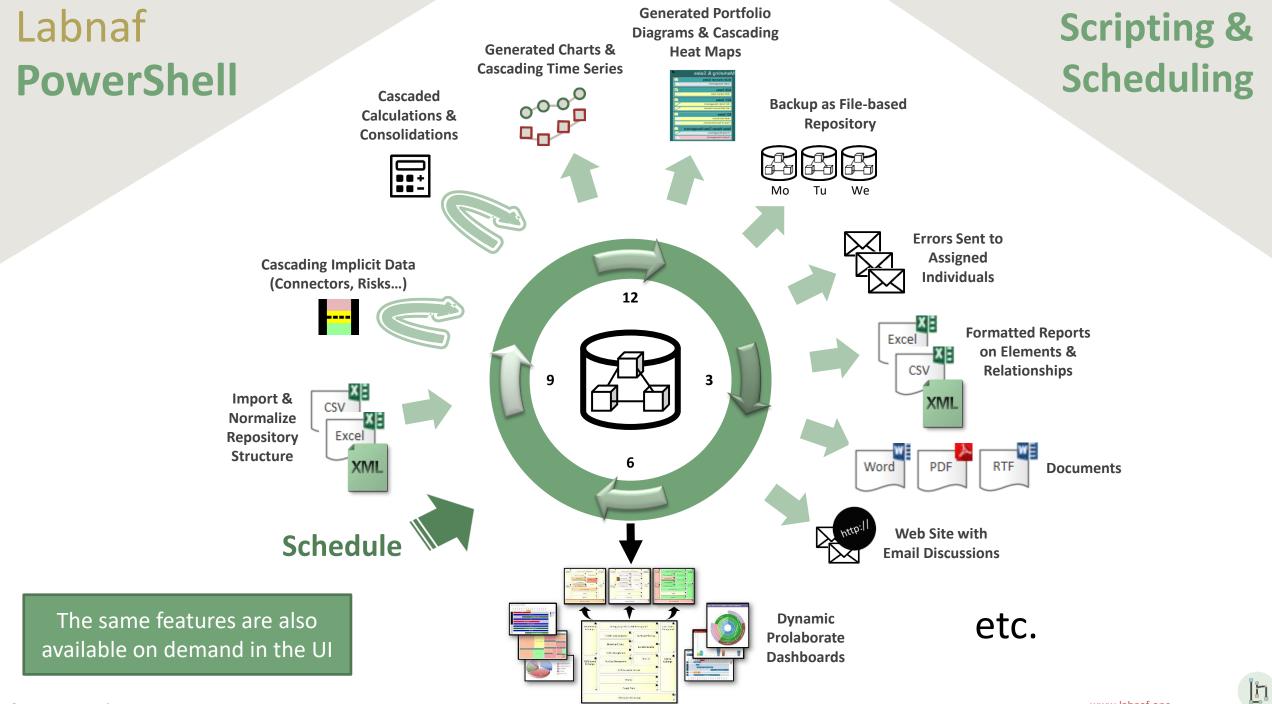
Labnaf PowerShell Commands

- 1. Overview
- 2. Strategy and Architecture Operations
- 3. Systems Integrations and Content Refactoring

4. Command Compatibility Matrix

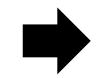
Related resources (latest versions)

- Labnaf PowerShell Reference Guide: <u>https://www.labnaf.one/EndUserMaterial/Labnaf_PowerShell/Labnaf%20PowerShell%20-%20Reference%20Guide.pdf</u>
- Labnaf On-line Guidance: <u>https://www.labnaf.one/guidance/index.html?guid=569FF62A-5210-4359-923F-4EB00EB03D61</u>
- Sample data: Provided with the Labnaf PowerShell software



Running commands on the command line

Inps



Labnaf PowerShell Program

- "LNPS" is the name of the Labnaf PowerShell program.
- Full path is "C:\Program Files (x86)\Labnaf\PowerShell\Inps.exe"

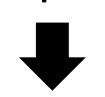
Usage : "C:\Program Files (x86)\Labnaf\PowerShell\lnps.exe" [-]Command [arguments] Available Commands: (Prefix the command name with '-' to run in non verbose mode) AutoConnectorsDelete AutoConnectorsGenerate BackupToAccessFile CalculateTaggedValues ClonePackage CreatePackage **DeleteGeneratedCharts** DeleteGeneratedDiagrams ExportToXmi GenerateCharts GenerateDiagrams GenerateDoc GenerateHTML GenerateImplicitData GenerateTabularReports ImportConnections ImportFromXmi ImportTabularReport MoveElementsToCalculatedParent MoveElementsToPackage MovePackagesToPackage RenameItem ScheduleCommand SetDiagramProperty SqlExportToCsv

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Validate

? => Show details for all commands

Running commands on the command line Inps?



Shows a detailed description of all commands and their usage

C:\Program Files (x86)\Labnaf\PowerShell>lnps ?
Command: AutoConnectorsDelete
Description: Delete generated connectors for child elements following defined element stereotype hierarchies. Usage : lnps AutoConnectorsDelete [arguments]
Arguments: SourceRepoPathName: Path name of the source repository (EAP file).
Command: AutoConnectorsGenerate
Description: Generate connectors for child elements following defined element stereotype hierarchies. Usage : lnps AutoConnectorsGenerate [arguments]
Arguments: SourceRepoPathName: Path name of the source repository (EAP file).
Command: BackupToAccessFile
Description: Backup a DBMS or Access repository to an Access Repository. Usage : lnps BackupToAccessFile [arguments]
Arguments: SourceRepoPathName: Path name of the source repository (EAP file). DestEapPathName: Path name of the destination Access repository (EAP file). LogFilePath: Path name of the log file name.
Command: CalculateTaggedValues
Description: Calclute values for some defined tags and elements. The elements to be selected, the tags to be undated and the calculation formulas are all defined in the model renository

Running commands on the command line

Inps [-]{command name}

Example: if you type « Inps GenerateTabularReports » you get the following info.

Command: GenerateTabularReports Description: Generate spreadsheets from a model repository based on configuration stored in that same repository. Usage : lnps GenerateTabularReports [arguments] Arguments: SourceRepoPathName: Path name of the source model repository (EAP file). OutputDirectoryPath: Directory path name where the spreadsheets must be generated.The name of each spreadsheet file is the name of the template report. [ElementPrototypeName]: The name of a specific element prototype name for which all embedded tabular report templates must be applied. [TabularReportTemplateName]: The name of a specific tabular report template to be applied.

Prefix the command name with '-' to run in non verbose mode



Running multiple commands from a Labnaf Power Script file (.lpsc)

Inps {LabnafPowerScriptFileName} .lpsc {RepoPathName} [SecondsBeforeRestart] [MaxMinutesRestartAfterFirstRun]



This executes commands from a '{LabnafPowerScriptFileName}.lpsc' file within a single Sparx EA session.

All commands refer to the **same repository {RepoPathName}** specified in the Windows command line, so there's no need to include a repository argument inside the Labnaf script file itself.

Sample Labnaf Power Script:

// Script files can include environment variables and comments. Same for the SQL queries used by the PowerScript commands. GenerateTabularReports %OUTPUT_DIR% Capability /* OUTPUT_DIR is a Windows environment variable that was set earlier */ GenerateTabularReports %OUTPUT_DIR% LABN_Application "Application List[CP=utf-8].CSV"

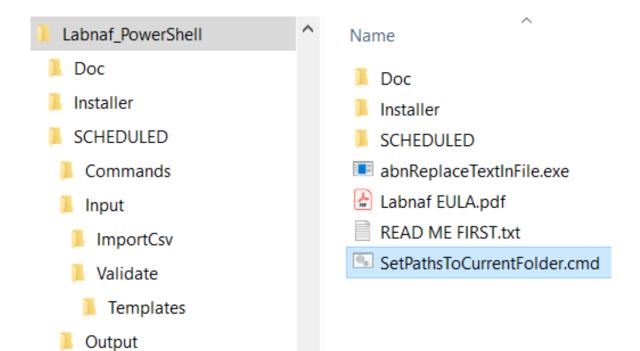
If specified as lnps arguments, the script will run iteratively:

- Resumes after {SecondsBeforeRestart}
- Concludes after {MaxMinutesRestartAfterFirstRun}

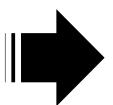
If only {SecondsBeforeRestart} is provided, the script continues until halted by the admin via the ESC key in the console window.

Automatic configuration

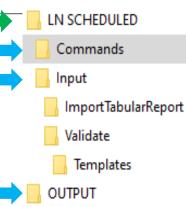
- Copy the Labnaf_PowerShell folder anywhere you want on your file system
- Double-click on "SetPathsToCurrentFolder.cmd"



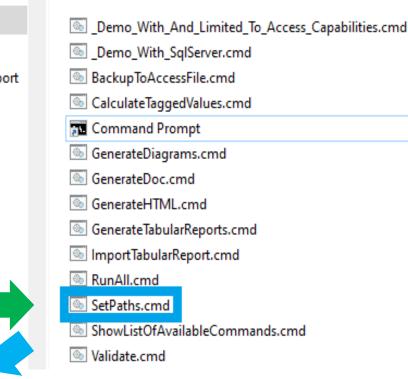
This updates the Labnaf PowerShell configuration files following the "Labnaf_PowerShell" folder location.



Preconfigured batches calling commands with predefined settings



The paths in this command were reset automatically



Name

SetPaths.cmd X 1 set LABNAF_POWERSHELL=C:\Program Files (x86)\Labnaf\PowerShell\lnps.exe 2 3 set SCHEDULED_DIR=C:\Users\User\Desktop\Labnaf_PowerShell\SCHEDULED 4 set COMMANDS_DIR=%SCHEDULED_DIR%\Commands 5 6 set INPUT_DIR=%SCHEDULED_DIR%\Input 7 set OUTPUT_DIR=C:\Users\User\Desktop\Labnaf_PowerShell\SCHEDULED\Output 8 9 set REPOSITORY=%INPUT_DIR%\Repository.eap

Preconfigured Command Scheduling

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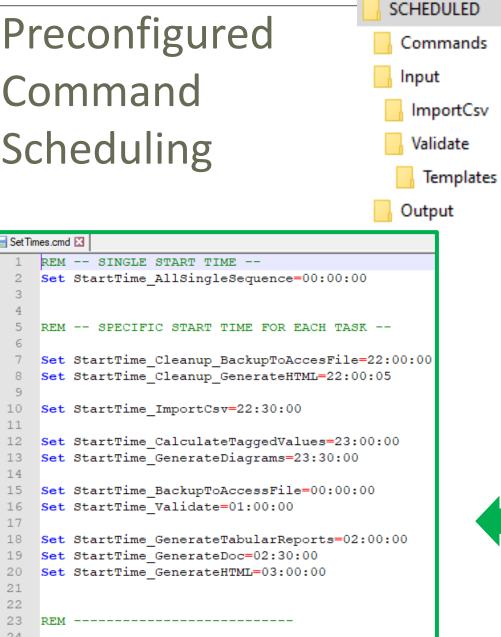
16

17 18

19 20

21 22 23

24 25



set SCHEDULED MINUTES UNTIL RESTART=1440

Name Commands Input Output 6 _ScheduleAllMultipleThreads.cmd ScheduleAllSingleSequence.cmd Command Prompt Schedule_BackupToAccesFile.cmd Schedule_CalculateTaggedValues.cmd Schedule_GenerateDiagrams.cmd Schedule_GenerateDoc.cmd Schedule_GenerateHTML.cmd Schedule_GenerateTabularReports.cmd Schedule_ImportCsv.cmd Schedule Validate.cmd ScheduleSequence.cmd SetEnvVars.cmd SetTimes.cmd

Labnaf PowerShell Commands

- 1. Overview
- 2. Strategy and Architecture Operations
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- 4. Command Compatibility Matrix

Labnaf PowerShell commands for Strategy and architecture operations

- Import Tabular Report (Excel, CSV)
- Auto Connectors Generate / Delete
- Generate Implicit Data
- Calculate Values
- Validate and send emails to assigned individuals
- Generate Charts / Delete Generated Charts
- Generate Diagrams
- Generate Tabular Report (Excel, CSV), Doc (Word, RTF, PDF), Html
- Backup To File
- Schedule Command (not only Labnaf PowerShell commands)

ImportTabularReport

Sample input data for updating tagged values of existing elements

File to be imported can be .CSV or .XLSX (Excel)

	A	В	С	D	E
1	guid	application_owner	application_owner_delegates	it_responsible_service	legal_owner
2	{D303A068-2CAA-438d-9E81-287EE9777F1D}	homer.simpson@labnaf.local		Microsoft development	Labnaf
З	{305AA65E-A3F8-435b-81EC-C22EB7DF01C4}	marge.simpson@labnaf.local	lisa.simpson@labnaf.local	Enterprise Architecture	Labnaf
4	{07F7FA8B-A01C-4aed-B5C2-80C9D62BD3FF}	bart.simpson@labnaf.local		SAP development	Labnaf

OPTIONAL repository column mappings are stored in a .CSV file

	A	В
1	Input_Column_Names	Target_Column_Names
2	guid	ea_guid
3	application_owner	IT_Contact
4	application_owner_delegates	IT_Contact_Delegates
5	it_responsible_service	IT_ResponsibleService
6	legal_owner	Legal_Owner

To start the import:

C:\Program Files (x86)\Labnaf\PowerShell>lnps ImportTabularReport
Command: ImportTabularReport
Description: Import elements, properties and tagged values from a CSV or Excel file into a SQL Server database.
If a field name mapping file (CSV) is provided, the first line must contain the following headers: Input_Column_Names, Target_Column_Names Works also with Access databases but only for updating existing elements.
Identify existing elements using either the ea_guid, or an alternative unique key. To define a unique key, you simply add a '#' in front of the property or tag name If multiple unique keys are provided, they are searched in this order: Tagged Value, Name, Alias.
Create the element if the element is not found and if 'EnableCreate' option is present on the command line. The package where new elements are added is identified by a package guid provided on the command line Initial value calculation applies to any imported new element.
Usage : lnps ImportTabularReport [arguments]
Arguments:
RepoPathName: Path name of the model repository (EAP file).
SourceFile: A CSV or Excel file containing the data that needs to be imported.
ColumnMappingFile: An optional CSV file containing the mapping between the input and output column namesor '-' if all input and output column names are the same.
ElementStereotypeName: The stereotype of the elements that need to be updated.
[EnableCreate]: Enable creation of new elements if they are not found.
[TargetPackageGuidForNewElements]: The package where the new elements must be stored.

Import Tabular Report (cont.)

Beware of the different definitions of the "Notes" / "Note" property name in Sparx EA. In the Sparx EA API, the property name is called "Note<u>s</u>". In the database, the corresponding column name is called "Note".

For Imports

In the import file use the word « Notes » (and not « Note »)

For SELECT statements

- In SQL Server, use the word « Note » in queries.
 Example: select Name, Note from t_Object
- In the Sparx EA user interface, use « Note as {Something} ». Indeed « Note » is a reserved word. Example: select Name, Note as Element_Notes from t_Object

CalculateTaggedValues

You first need to model your value calculations

See the Value Calculation User Guide document and the examples on the Guidance Web Site

New Diagram		×
Package: {User Name}		
Diagra <u>m</u> : {User Name}		Toolbox
Labnaf	Diagram Types:	1001001
Select From:	문 Element Prototypes	Search
止 Labnaf - Vision 止 Labnaf - Information 止 Labnaf - Physical Material 마 Labnaf - Process	Controlled Element Values Chart Generators Chart Series Chart Template Design	✓ Value Control
h Labnaf - Enterprise Function h Labnaf - People h Labnaf - Application h Labnaf - Technology		 Initial Value Calculation Periodial Value Calculation
In Labrial - Technology In Labriaf - Equipment In Labriaf - Generic In Labriaf - Configuration In Labriaf - Common	Controlled Element Values Diagram	
	<u>Q</u> K <u>C</u> ancel	

Calculate Tagged Values (cont.)

To start calculation:

Command: CalculateTaggedValues

Description: Calclute values for some defined tags and elements.The elements to be selected, the tags to be updated and the calculation formulas are all defined in the model repository.

Usage : lnps CalculateTaggedValues [arguments]

Arguments:

```
RepoPathName: Repository path name EAP file).
```

[ElementPrototypeName]: A specific element stereotype for which tagged values must be calculated.

[TagName]: The name of aspecific tagged value that must be calculated.

AutoConnectorsGenerate

To start implicit connector generation:

Command: AutoConnectorsGenerate

Description: Generate implicit connectors following numerous patterns and options, including: - for child elements following defined element stereotype hierarchies (this option is enabled by default) - for information elements (entities) used, owned, aggregated or exchanged directly or indirectly by any other element. See 'Implicit Connectors' on the Labnaf guidance web site to learn more about enabling and disabling options.

Usage : lnps AutoConnectorsGenerate [arguments]

Arguments:

SourceRepoPathName: Path name of the source repository (EAP file).

The generated implicit connectors are aggregations.

See the different implicit connector generation options on the guidance web site.

Benefits of implicit connector generation

- Know which information is used by whom, by which role, organization, function, process, activity, data flow, application, component, data store, server, equipment, network, etc
- Know which information is stored where (for example in which country)
- Dramatically simplifies information security and GDPR compliance analysis
- Simplifies traceability as embedded elements get aggregation connectors
- Normalizes the way elements are related in a repository i.e. based on connectors
- Enables powerful reporting capabilities including Prolaborate charts

AutoConnectorsDelete

To start deletion of generated connectors:

Command: AutoConnectorsDelete

Description: Delete generated connectors for child elements following defined element stereotype hierarchies.

Usage : lnps AutoConnectorsDelete [arguments]

Arguments:

SourceRepoPathName: Path name of the source repository (EAP file).

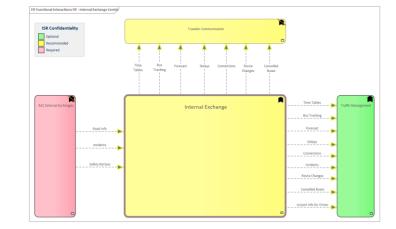
The generated connectors are aggregations.

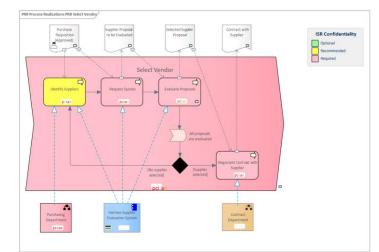
GenerateImplicitData

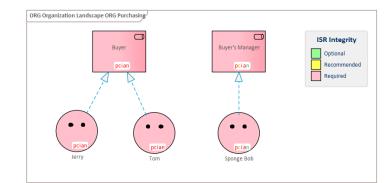
Implicit Data Generation is configured using Labnaf AddIn user interface

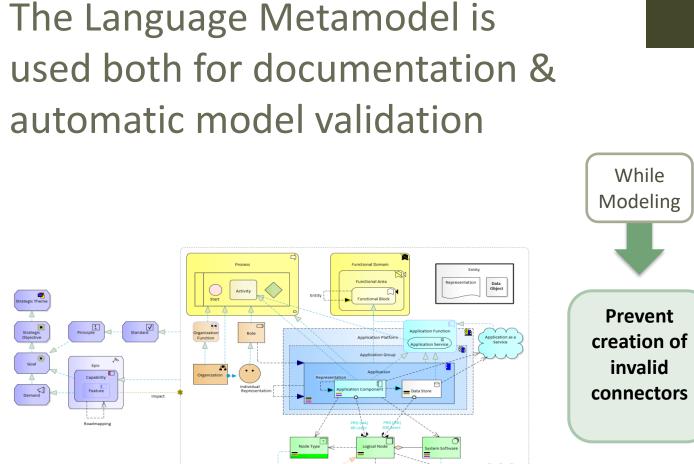
See Implicit Data Generation on the Guidance Web Site

	Save Configuration	Update Implicit Data	Delete All Implicit Connectors
Implicit Connector Configuration			
Generate aggregations of children by parents			Cancel
Generate aggregations of Entities by			
Entities Exchangers (Processes, Roles, Applications)	5)		
Individuals			
Logical Nodes			
Communication Networks			
Parents of all above entities aggregators			
Implicit Risk Information Configuration			
Generate information security requirements for			
Entities			
	s)		
Entities Exchangers (Processes, Roles, Applications)			

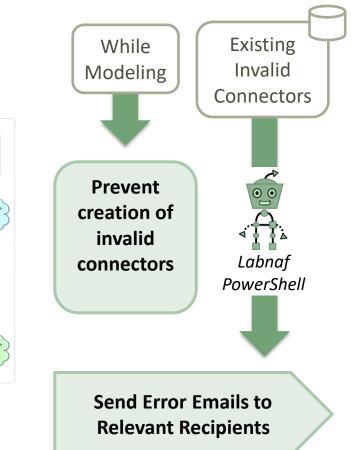








Validate



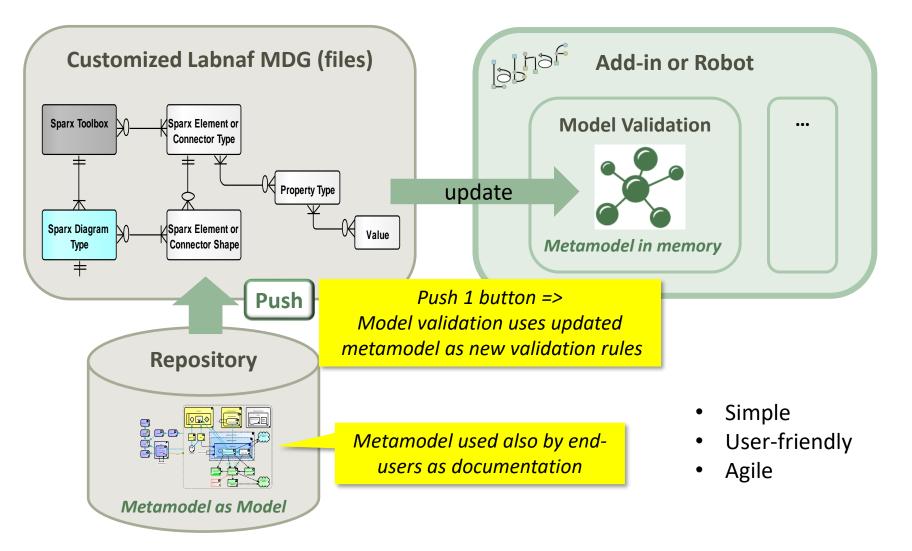
Why do we need periodical validation?

How could we have errors if we prevent users from entering errors?

- At the beginning, informal (invalid) models can be imported and their language can be transformed e.g. from ArchiMate to Labnaf.
- Then, every time you update the metamodel to adapt to your enterprise specificities, some existing model repository content becomes invalid... according to your new rules.

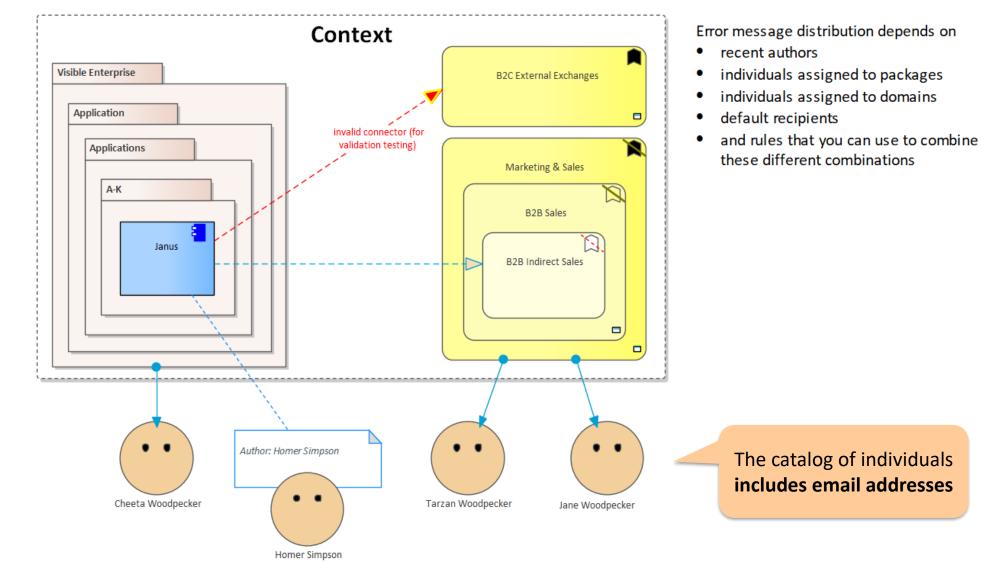
Validate (cont.)

The default metamodel can be **very** easily updated: One click on a connection in your production repository.



Validate (cont.)

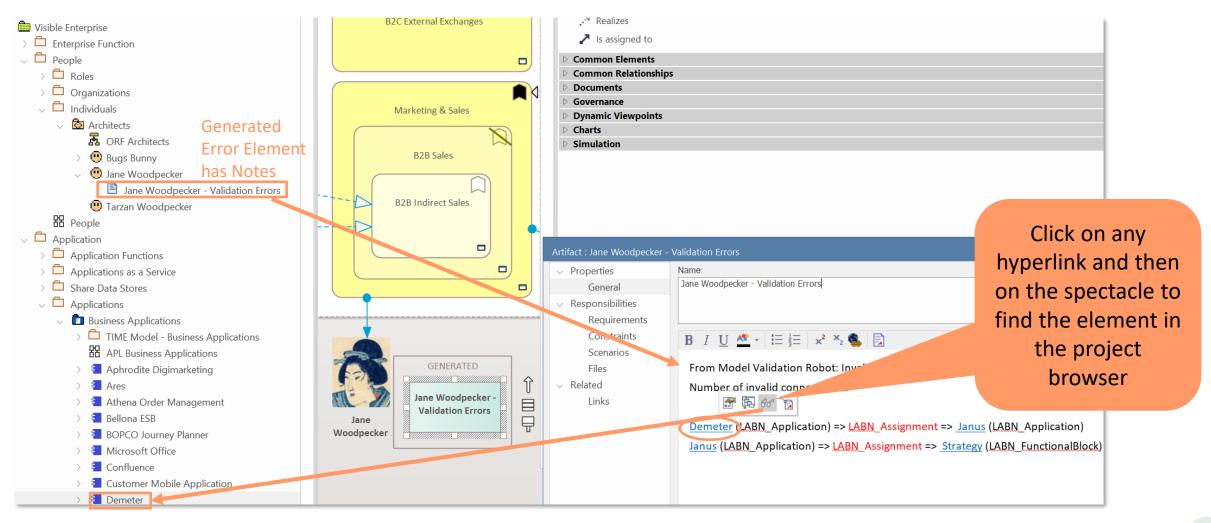
Error message routing is based on architecture management assignments



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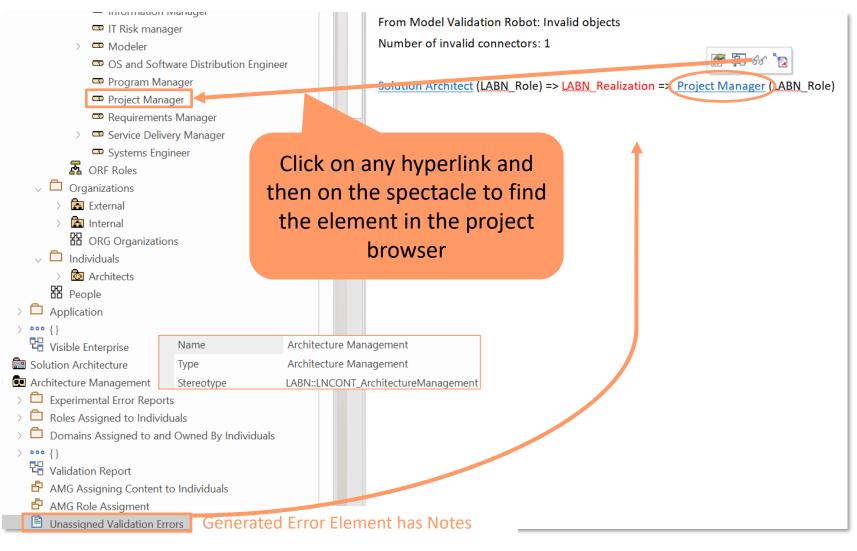
Validate (cont.)

Error messages are generated as an error element with notes under each assigned individual in the model repository



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If the error cannot be assigned to any specific individual, then the error element is generated under the unique package of type "Architecture Management"



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Error messages are also sent to assigned individuals by email, if email is configured

📚 Rules | 🗱 Options PAPERCUT From model.validation@labnaf.local Welcome to Papercut! 2019-10-15 21:24:50 (19.3KB) To tarzan.woodpecker@Labnaf.local From Model Validation Robot: Invalid objects. Date 2019-10-16 21:37:19 +02:00 2019-10-16 21:37:19 (2.1KB) From Model Validation Robot: Invalid objects. Subject From Model Validation Robot: Invalid objects. 2019-10-29 14:43:02 (1.1KB) Message Headers Body Sections Raw The connector validation robot identified some inconsistent content. Following our current knowledge, these problem(s) occur in a domain or package where you are personally involved in. Please make sure that the following model repository items get corrected either by you or by your team Number of errors: 4 Labnaf Application Component (LABN ApplicationComponent) => LABN Triggering => Labnaf Activity (LABN Activity) Labnaf Gateway (LABN Gateway) => UML:Dependency => Labnaf Activity (LABN Activity) Labnaf Application Component (LABN ApplicationComponent) => UML:Aggregation => Labnaf Application Component (LABN ApplicationComponent) UML Component (UML:Component) => LABN Realization => Labnaf Application Component (LABN ApplicationComponent)

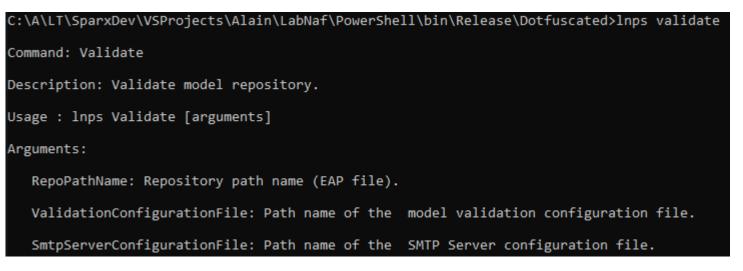
Validation rules can be further customized

<validationconfiguration xmlns:xsd="</th" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"><th></th></validationconfiguration>	
<pre>"http://www.w3.org/2001/XMLSchema"></pre>	If you want to be specific about the elements to be validated. By default all Labnaf elements are validated.
<pre><sender>model.validation@labnafdemo.com</sender></pre>	ent from this email address.
<sendto></sendto>	
<pre><firstavailablealternativeonly>true</firstavailablealternativeonly> <peopleassignedtodomain>true</peopleassignedtodomain></pre>	Who will receive the error
	messages.
<authorduringmonthsafterelementcreated>120</authorduringmonthsafterelementcreated>	
<peopleassignedtopackage>true</peopleassignedtopackage>	
<defaultemailaddresses>lisa.simpson@labnaf.local</defaultemailaddresses>	
<publishedrepositorywebsiteurl>http://localhost/guidance<td>></td></publishedrepositorywebsiteurl>	>
<documentationreferences></documentationreferences>	_
<pre><guidancewebsiteurl>http://www.Labnaf.one/guidance</guidancewebsiteurl></pre>	Error messages contains
<diagramguids></diagramguids>	urls to invalid elements.
<pre><connectorvalidation>{269E2D0C-3B9E-4d85-915A-87905EB7271F}</connectorvalidation></pre>	HTML publication should
<pre><modelrepository>{EF41E336-AC6B-4407-88D9-3ECC41725132}</modelrepository></pre>	be scheduled as well

Smtp Server configuration is straightforward

Needed to send error messages to assigned individuals

To start validation:



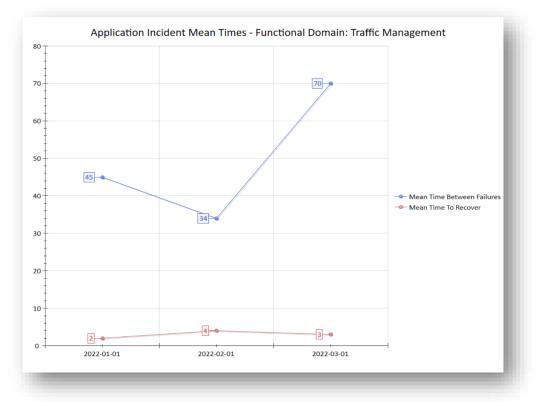
GenerateCharts

Labnaf comes with predefined chart templates, but you might want model your own chart templates

See Chart Generation on the Guidance Web Site

v Diagram	:
P <u>a</u> ckage : Playpen Alain Diagra <u>m</u> : Playpen Alain	Auto
Type Labnaf Select From: Ib Labnaf - Vision Ib Labnaf - Information Ib Labnaf - Information Ib Labnaf - Physical Material Ib Labnaf - Process Ib Labnaf - Enterprise Function Ib Labnaf - People Ib Labnaf - Application Ib Labnaf - Technology Ib Labnaf - Generic Ib Labnaf - Configuration Ib Labnaf - Common	Diagram Types: Element Prototypes Tabular Report Template Design Controlled Element Values Chart Generators Time Series Chart Template Design Chart Generators Diagram
	<u>Q</u> K <u>C</u> ancel <u>H</u> elp

Sample Generated Time Series Chart



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Generate Charts (cont.)

To start chart generation:

Command: GenerateCharts Description: Generate charts for some configured types of element. The elements to be selected and the charts to be generated are all defined in the model repository. Chart Generator elements that have a name starting with "--" will be ignored. Usage : "C:\Program Files (x86)\Labnaf\PowerShell\lnps.exe" GenerateCharts [arguments]

Arguments:

RepoPathName: Repository path name (EAP file).

[ElementPrototypeName]: A specific element stereotype for which charts must be generated.

[TemplateChart]: The template chart name defining the type of chart diagram and chart element to be generated.

To delete all generated charts:

Command: DeleteGeneratedCharts Description: Delete generated charts. Usage : "C:\Program Files (x86)\Labnaf\PowerShell\lnps.exe" DeleteGeneratedCharts [arguments] Arguments:

SourceRepoPathName: Path name of the source repository (EAP file).

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GenerateDiagrams

Sample Results

Enterprise Function Taxonomy & Applications Supporting Level 1

/larketing & Sales	List of applications supporting the domain.
	'Application Name'
Multi-channel Sales	Ares
- Order Management	Athena Cash Desk
B2B Sales	Customer Mobile Application
- B2B Indirect Sales	Demeter
B2C Sales	Hera
- B2C Order Management	Janus
- B2C Self-Service Channel	Jupiter Cash Desk
B2I Sales	LOGIN B2B
- Bulk Distribution	Neptune
- Face-to-Face Distribution	Venus Cash Desk
	Zeus Pricing
Sales Master Data Management	Zeus Sales Records Management
- Pricing Management	
- Product Management	N

Differentiator = ?	252
= Y	
- N	
Externalized = Y	Entirely externalized
= P	A Partially externalized
- N	Not externalized (default)

Nb of Applications / Business function	
0	
1	
2 or more	

Other diagram(s) for this enterprise function:

FULSales

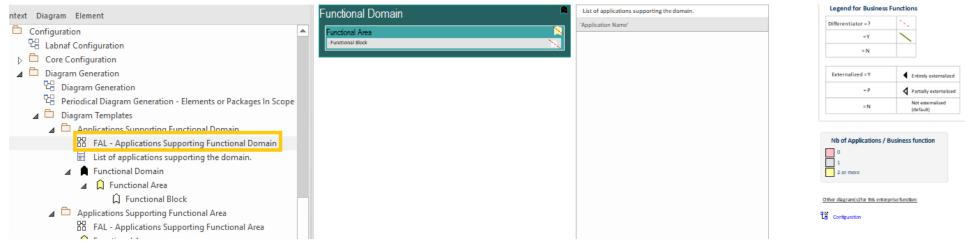
Applications managed by organizations

ΙТ	5	Application Lifecycle / Vision
IT for IT	-	New Invest
СМДВ		Maintain
Labnaf Powered by Enterprise Architect	2	Phase Out
IT Marketing & Sales Apps	1=1	?
Athena Cash Desk		Other diag ram(s) for this organization
Customer Mobile Application	2	다. Configuration

Generate Diagrams (cont.)

Sample Diagram Templates

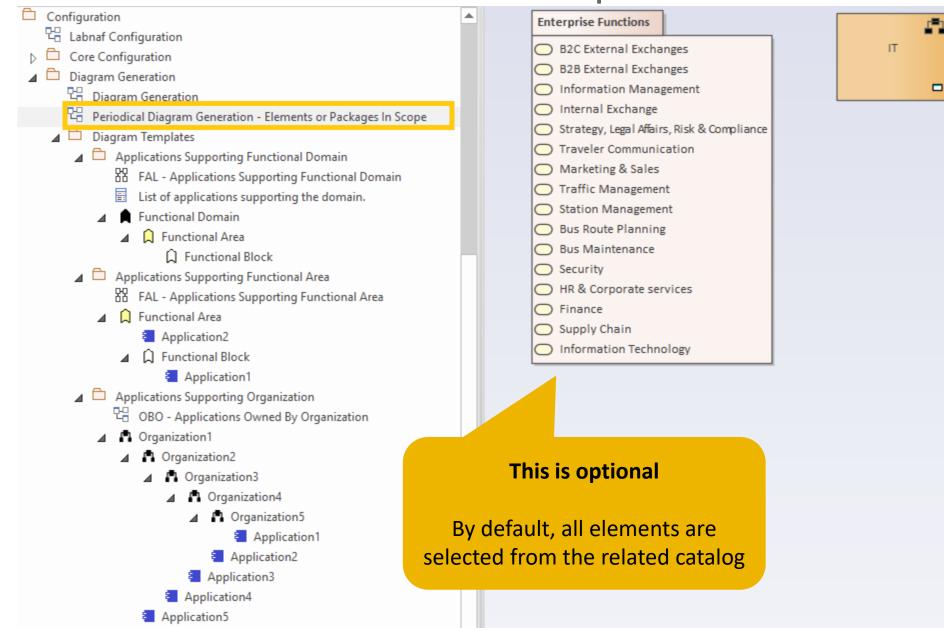
Enterprise Function Taxonomy & Applications Supporting Level 1



Applications managed by organizations



Generate Diagrams (optional) Items in Scope for Generation



Generate Diagrams (cont.)

To start diagram generation:

Command: GenerateDiagrams

Description: Generate diagrams in a model repository.

Usage : lnps GenerateDiagrams [arguments]

Arguments:

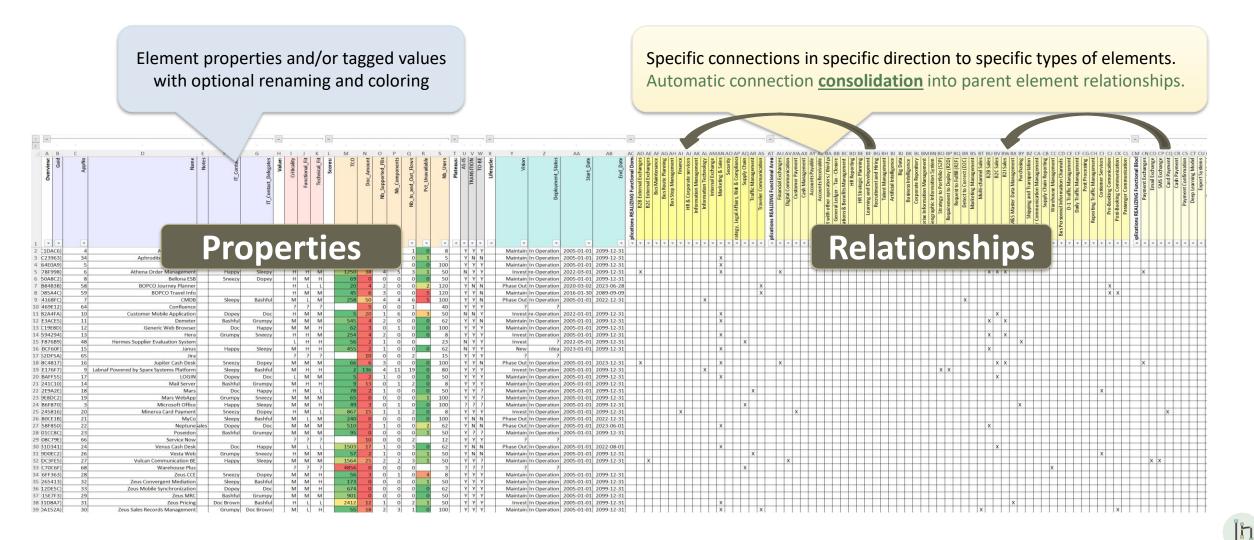
RepoPathName: Path name (EAP file) of the repository where the diagrams must be generated.

GenerationScopeDiagramGUID: A diagram containing organizations elements and/or a package of enterprise functions for which diagram generation is required.

GenerateTabularReports

Sample Result

Reported collection of elements (e.g. applications) selected following any kind of rule



Generate Tabular Report (cont.)

Labnaf comes with many tabular report templates, but you might want model your own templates See the Tabular Report Generation User Guide document and the examples on the Guidance Web Site

To start tabular report generation:

Command: GenerateTabularReports

Description: Generate spreadsheets from a model repository based on configuration stored in that same repository.

Usage : lnps GenerateTabularReports [arguments]

Arguments:

SourceRepoPathName: Path name of the source model repository (EAP file).

OutputDirectoryPath: Directory path name where the spreadsheets must be generated. The name of each spreadsheet file is the name of the template report.

[ElementPrototypeName]: The name of a specific element prototype name for which all embedded tabular report templates must be applied.

[TabularReportTemplateName]: The name of a specific tabular report template to be applied.

By default, all scheduled report templates will be applied. But you can also be specific.

When a report template name ends with '.CSV' a CSV file is generated instead of Excel.

Generate Tabular Report (cont.)

To start tabular report generation:

Command: GenerateTabularReports

Description: Generate spreadsheets from a model repository based on configuration stored in that same repository.

Usage : lnps GenerateTabularReports [arguments]

Arguments:

SourceRepoPathName: Path name of the source model repository (EAP file).

OutputDirectoryPath: Directory path name where the spreadsheets must be generated. The name of each spreadsheet file is the name of the template report.

[ElementPrototypeName]: The name of a specific element prototype name for which all embedded tabular report templates must be applied.

[TabularReportTemplateName]: The name of a specific tabular report template to be applied.

By default, all report templates will be applied. But you can also be specific.

When a report template name ends with '.CSV' a CSV file is generated instead of Excel.

GenerateDoc (Word, RTF, PDF)

To start document generation:

Command: GenerateDoc

Description: Generate a Word, RTF or PDF document from a model repository package.

Usage : lnps GenerateDoc [arguments]

Arguments:

SourceRepoPathName: Path name of the source model repository (EAP file).

OutputPath: Path name of the document file to be generated. The file extension specified will determine the format of the generated document - for example, RTF, PDF

PackageGuid: The GUID of the package or master document to run the report on.

TemplateName: The document report template to use; if the PackageGUID has a stereotype of MasterDocume nt, the template is not required.

GenerateHtml

To start HTML generation:

Command: GenerateHTML

Description: Generate an HTML web site from a model repository package.

Usage : lnps GenerateHTML [arguments]

Arguments:

SourceRepoPathName: Path name of the source model repository (EAP file).

OutputPath: The path of the file system folder where the HTML pages must be generated.

SourcePackageGUID: The GUID of the repository package for which HTML must be generated.

[WebSiteTemplateName]: The optional name of a web style template used for HTML generation (default=Sparx EA default template).

On the web site, you can email a stable link to the current page by clicking on the little envelope.



BackupToFile

To start the backup to a file:

Command: BackupToFile Description: Backup a DBMS repository to a file-based Repository (.eap, .eapx, .eadb, .feap). Usage : "C:\Program Files\Labnaf\PowerShell\lnps.exe" BackupToFile [arguments] Arguments: SourceRepoPathName: Path name of the source repository (EAP file containing a connection string). DestPathName: Path name of the destination file-based repository (.eap, .eapx, .eadb, .feap).

[DetailedLogFilePath]: Alternative path for the detailed log file (supersedes the default detailed log file path)

SourceRepoPathName (EAP) must point to a DBMS repository

ScheduleCommand

Alternatives to « ScheduleCommand » (If you prefer):

- Windows Task Scheduler (<u>https://docs.microsoft.com/en-us/dynamics365/business-central/dev-itpro/developer/devenv-task-scheduler</u>)
- Your company standard scheduler

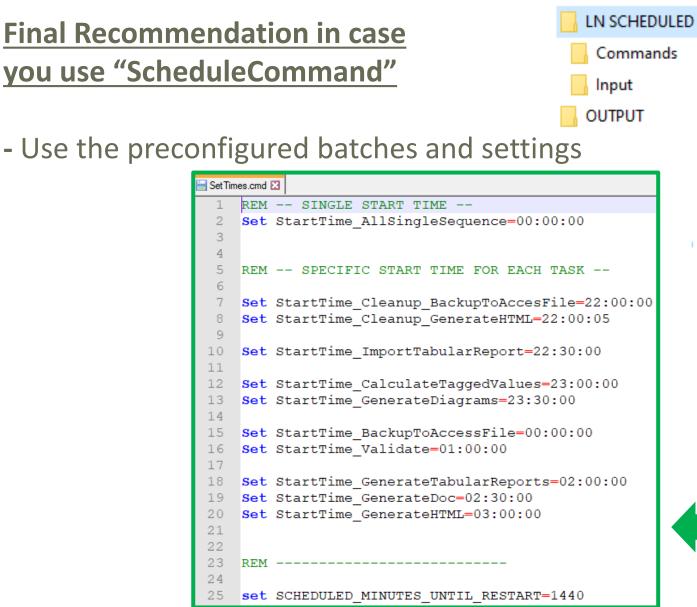
To schedule a nightly command starting at midnight:

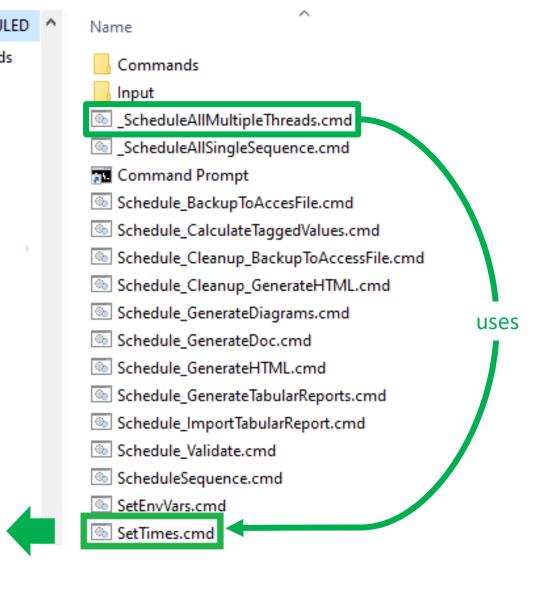
- InitialStartTime = 00:00:00 Don't schedule 2 commands starting exactly at the same time
- **PeriodAsMinutes = 1440** There are 1440 minutes in one day

To start the schedular:

Command: ScheduleCommand
Description: Schedule a task to run periodically starting at a specific time.
Usage : lnps ScheduleCommand [arguments]
Arguments:
CommandPathName: Path name of the command that needs to be periodically started (.cmd or .bat).
InitialStartTime: The initial start time for the task (HH:MM:SS).
[PeriodAsMinutes]: The length of a period expressed in minutes.

Final Recommendation in case you use "ScheduleCommand"





- Take computer reboots into account

Labnaf PowerShell Commands

- 1. Overview
- 2. Strategy and Architecture Operations
- 3. Systems Integrations and Content Refactoring
- 4. Command Compatibility Matrix

Labnaf PowerShell commands for Systems integrations and content refactoring

- ClonePackage
- CreatePackage
- ExportToXmi
- ImportConnections
- ImportFromXmi
- ImportTabularReport
- MoveElementsToCalculatedParent
- MoveElementsToPackage
- MovePackagesToPackage
- Renameltem
- ScheduleCommand
- SetDiagramProperty
- SqlExportToCsv

Detailed information in the Labnaf PowerShell Reference Guide

Latest version:

https://www.labnaf.one/EndUserMaterial/Labnaf_PowerShell/L abnaf%20PowerShell%20-%20Reference%20Guide.pdf

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Labnaf PowerShell Command Compatibility Matrix

Legend

-> UI : Use the Labnaf AddIn i.e. the user interface

Power Shell Commands	Labnaf Script Compatible	Sql Server	Pro Cloud Server	SQLite (QEA)
AutoConnectorsDelete	х	Х	Х	-> UI
AutoConnectorsGenerate	Х	х	х	-> UI
BackupToFile		х	х	
CalculateTaggedValues	Х	х	х	х
ClonePackage	Х	х	х	х
CreatePackage	Х	х	х	Х
ExportToXmi	Х	Х	Х	х
GenerateCharts	Х	х	х	х
GenerateDiagrams	х	х	х	х
GenerateDoc	х	х		х
GenerateHTML	х	Х		х
GenerateImplicitData	х	х	х	
Generate Tabular Reports	х	х	х	х
ImportConnections	х	х	х	х
ImportFromXmi	Х	х	х	х
ImportTabularReport	Х	х	х	-> UI
MoveElementsToCalculatedParent	Х	х	х	х
MoveElementsToPackage	х	х	х	х
MovePackagesToPackage	х	х	х	х
Renameltem	х	Х	Х	х
ScheduleCommand		Х	Х	х
SetDiagramProperty	х	Х	Х	х
SetProperty	Х	Х	Х	х
SqlExportToCsv	Х	Х	Х	х
Validate	х	Х	Х	Х