Configuration

Antidoc v3.0.0, Ron Dexter

Table of Contents

Chapter 1. Project description

No description found (add content in project description)

Chapter 2. Libraries

This section describes the libraries contained in the project.

2.1. Configuration.lvlib

Responsibility: No description found (add content in lvlib description)

Version: 1.0.0.0

Table 1. Nested libraries

Name	Type
Configuration.lvclass	LVClass

2.1.1. Functions

This library has no functions set to non private scope.

2.1.2. Library Constant VIs

NOTE	No Constant VIs Found

Chapter 3. Actors (AF)

This section describes AF framework usage in the project

3.1. Preamble

Add anything that could be interseting to describe AF concepts and help the reader to understand the AF section
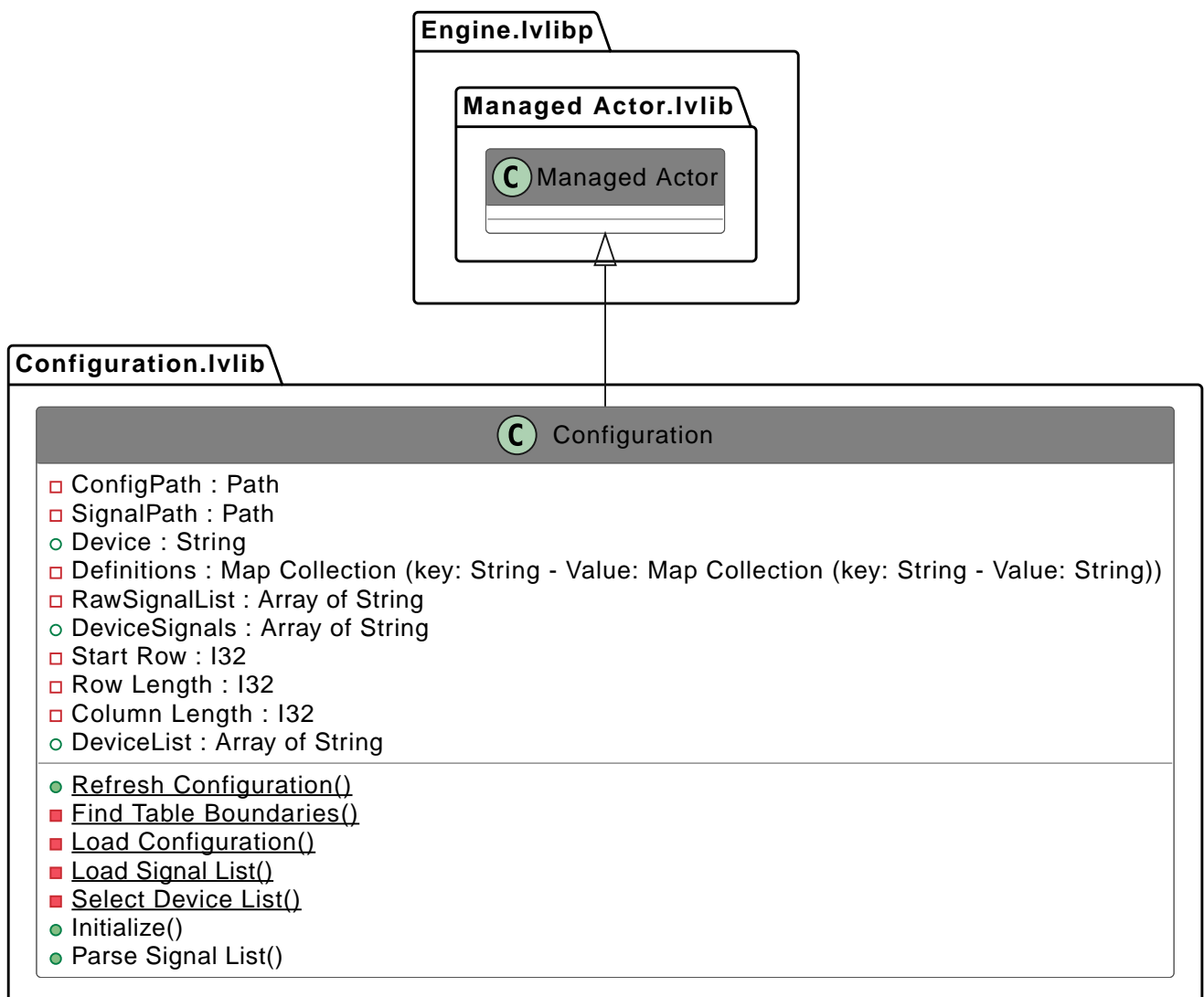
3.2. Actors overview

3.3. Configuration.lvclass

Responsibility: No description found (add content in lvclass description)
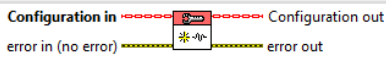
Version: 1.0.0.8

3.3.1. Diagram

3.3.2. Methods

Table 2. Functions (non private scope only)

Name	Connector pane	Description	S.	R.	I.
Read Device		No description found (add content in vi description)		▣	⇉
Write Device		Writing a device handle to this method results in a refresh of the config.ini file and the signal list which then downselects the signal list data for the specific device.		▣	⇉
Read DeviceList		Returns the full list of devices stored in the config.ini file.		▣	⇉
Read Key Values		Returns an array of key values - This is a placeholder for the configuration editor application.			
Read Keys		Returns a array of configuration keys for a device - this is a placeholder for an editor application.			
Read DeviceSignals		SLL→Read DeviceSignals → This routine accesses the device specific data Row 0 represents the headers, and the remaining rows are the specific signals, this routine should be called in **Parse Signal List**		▣	⇉
Read Key		This routine searches the configuration defintion for the ancestor class' defintion file, accesses the key by name and returns the key's value. **Inputs** String **Key** - This is the specific key the ancestor class is requesting **Outputs** String **Value** - This is the specific value associated with the ancestor class' configuration item			
Refresh Configuration		Load configuration and signals list in to memory for reference. Inspects the signal list for the defined device (if provided) and downselects the device's specific signal list.			

Name	Connector pane	Description	S.	R.	I.
Initialize	Configuration in → Configuration out / error in (no error) → error out	**Initialize** This routine is implemented in the Pre-Launch Init override → as a result, it is not necessary to call initialize anywhere else, and any methods that need to be called after post-launch intiialize can be implemented here. **Engine** - Calls Check for Errors **Configuration** - Uses the application directory to locate the config.ini file and signals.csv file, Loads the dictionaries in to memory, and downselects the device data from a signal list via **Refresh Configuration**			
Parse Signal List	Configuration in → Configuration out / error in (no error) → error out	**Parse Signal List** **Configuration** - This is an override VI, no methods implemented at this level it is the base abstraction			
Read Required Keys	Configuration in → Configuration out / error in (no error) → Required Keys / error out	**Read Required Keys** Override and call parent method for this routine. This routine returns an array of all of the required keys for any instantiated device. **Configuration** Keys: **Class** - The name of the descendant class which will define the instance **Category** - The type of class (this is used to create the dynamic loading paths)		⑤	
Read Required Signals	Configuration in → Configuration out / error in (no error) → Required Signals / error out	This override routine is used to create default signals to be loaded in to the signal list. This is a placeholder routine for editor functions in later development.			

Scope: ⚷ → Protected | ⚷ → Community

Reentrancy: ⓟ → Preallocated reentrancy | ⑤ → Shared reentrancy

Inlining: ⊞ → Inlined

3.3.3. Class Constant VIs

NOTE | No Constant VIs Found

Chapter 4. Legal Information

4.1. Document creation

This document has been generated using the following tools.

4.1.1. Antidoc

Project website: Antidoc

Maintainer website: Wovalab

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4.1.2. Asciidoc for LabVIEW™

Project website: Asciidoc toolkit

Maintainer website: Wovalab

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4.2. Product used in the project

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