



WOVALAB

AsciiDoc for LabVIEW - v1.6.0.52

Antidoc v2.0.1

# Table of Contents

1. Toolkit description.....	1
2. API description .....	2
2.1. AsciiDoc for LabVIEW .....	2
2.2. Data Visualization.....	6
2.3. Create table .....	7
2.4. Attributes .....	8
2.5. Formating .....	9

# Chapter 1. Toolkit description

This toolkit provides a set of vis that helps you builds plain-text file using asciidoc syntax.

It now provides all the tools needed to generate the HTML5 or PDF final document you always dream to get from your LabVIEW applications.

**Author:** Olivier Jourdan

**Copyright:** Copyright © 2022, Wovalab

**License:** BSD 3-Clause

**Compatible LabVIEW Versions:** >= 2014.

**Compatible OS Versions:** Windows 64-Bit.

# Chapter 2. API description

## 2.1. AsciiDoc for LabVIEW

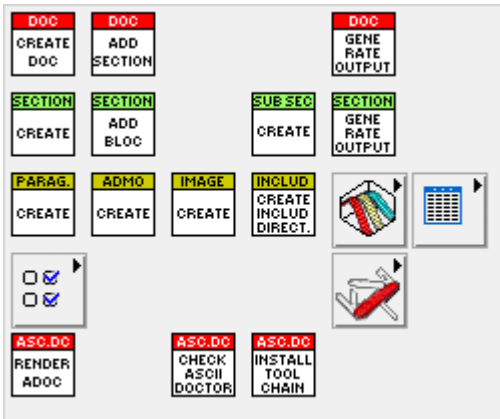
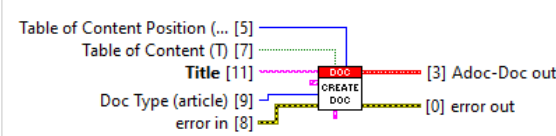

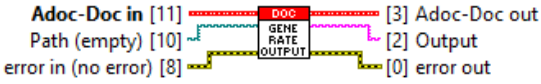






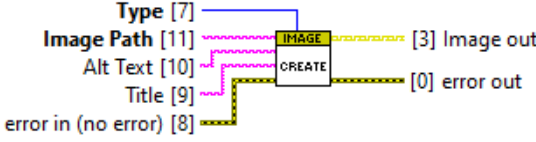



Table 1. Functions description

Name	Connector pane	Description
Create Document		<p>Create an asciidoc document.</p> <p>&gt;The document type (aka doctype) declares the expected structure of an AsciiDoc document. &gt; AsciiDoc defines a fixed set of document types. &gt; Each document type provides a slight variation on the permitted structure of an AsciiDoc document to accommodate different uses cases.</p> <p>For more information:  <a href="https://docs.asciidoctor.org/asciidoc/latest/document/doctype/">https://docs.asciidoctor.org/asciidoc/latest/document/doctype/</a></p>

Name	Connector pane	Description
Add Section		<p><b>NOTE</b>   This VI is polymorphic.</p> <p>Add section to an asciidoc document.</p> <p>Sections partition the document into a content hierarchy.</p> <p>This function supports the addition of a single section or an array of sections.</p> <p>For more information: <a href="https://docs.asciidoctor.org/asciidoc/latest/sections/titles-and-levels/">https://docs.asciidoctor.org/asciidoc/latest/sections/titles-and-levels/</a></p>
Generate Output		<p>Generate the asciidoc document string.</p> <p>If a file path is provided, the output will be saved to file.</p> <p>For more information: <a href="https://docs.asciidoctor.org/asciidoc/latest/">https://docs.asciidoctor.org/asciidoc/latest/</a></p>
Create		<p>Create a section.</p> <p>Sections partition the document into a content hierarchy.</p> <p>Use <code>&lt;b&gt;Add bloc.vi&lt;/b&gt;</code> to add content to a section</p> <p>For more information: <a href="https://docs.asciidoctor.org/asciidoc/latest/sections/titles-and-levels/">https://docs.asciidoctor.org/asciidoc/latest/sections/titles-and-levels/</a></p>
Add Bloc		<p><b>NOTE</b>   This VI is polymorphic.</p> <p>Add content blocs to a section.</p> <p>This function supports the addition of a single bloc or an array of blocs to a section</p>

Name	Connector pane	Description
Create Sub Section		<p><b>NOTE</b>   This VI is polymorphic.</p> <p>Create a subsection with the given sections.</p> <p>A <code>&lt;b&gt;Subsection&lt;/b&gt;</code> in this instance is actually a container object - its contains the sections given to it and they are then handled as subsections when rendered into the document.</p> <p>This function supports creation of a subsection container from both a single section or an array of sections.</p>
Generate Output		<p>Generate the asciidoc string of the section.</p> <p>You can use this function to create an asciidoc document to include in another one.</p>
Create Paragraph		<p>Create a paragraph bloc.</p> <p>Paragraphs are blocks of text with optional formatting (e.g. bold, underline, italic etc) for specific words or phrases.</p> <p><code>&lt;b&gt;Note&lt;/b&gt;</code> Regular linespaces are ignored. Use <code>&lt;b&gt;Add line break.vi&lt;/b&gt;</code> or multiple paragraph blocs to form paragraphs in a section.</p> <p>More information: <a href="https://docs.asciidoctor.org/asciidoc/latest/blocks/paragraphs/">https://docs.asciidoctor.org/asciidoc/latest/blocks/paragraphs/</a></p>
Create Admonition		<p>Create an admonition bloc.</p> <p>Admonitions (or notices) help draw attention to content with a special label or icon. In AsciiDoc there are 5 types of admonition: "Note", "Tip", "Important", "Caution" and "Warning". Use them to call out content within a paragraph or section.</p> <p>More information: <a href="https://docs.asciidoctor.org/asciidoc/latest/blocks/admonitions/">https://docs.asciidoctor.org/asciidoc/latest/blocks/admonitions/</a></p>

Name	Connector pane	Description
<p>Create Image</p>		<p>Create an image bloc.</p> <p>Adds an image from file to the document. File path can be absolute or relative to the "Image directory" attribute of the AsciiDoc document.</p> <p><b>CAUTION</b> Image path must not contain space or square brackets</p> <p>More information: <a href="https://docs.asciidoctor.org/asciidoc/latest/macros/images/">https://docs.asciidoctor.org/asciidoc/latest/macros/images/</a></p>
<p>Create Include Directive</p>		<p>Create an "Include" bloc.</p> <p>The "Include" directive allows inclusion of content from another file into the current AsciiDoc document.</p> <p>The included content can be in AsciiDoc or any other text format. Where that content is included in the document determines how it will be processed.</p> <p><b>CAUTION</b> Include file path must not contain space or square brackets</p> <p>More information: <a href="https://docs.asciidoctor.org/asciidoc/latest/directives/include/">https://docs.asciidoctor.org/asciidoc/latest/directives/include/</a></p>

Name	Connector pane	Description
Render Adoc File		<p>This function generate an HTML5 or PDF file using an adoc file as input.</p> <p><b>NOTE</b></p> <p>The file is generated in the same folder than the input file with the same name except for the extension.</p> <p><b>WARNING</b></p> <p>If the adoc file contains diagram, you need to have access to the web in order to generate them.</p>
Check AsciiDoctor Toolchain Installation		<p>This function to check that asciidoctor toolchain is correctly installed.</p>
Installing AsciiDoctor toolchain		<p>This function install the asciidoctor toolchain. With the asciidoctor toolchain you can render adoc files in HTML5 or PDF file format.</p>

## 2.2. Data Visualization



Table 2. Functions description

Name	Connector pane	Description
Create		<p>Create a diagram bloc representing a ine chart.</p>



Name	Connector pane	Description
Create		<p>Create a diagram bloc representing a line chart.</p> <ul style="list-style-type: none"> <li>• Keys are the different axes' names.</li> <li>• Categories are the set of values' names.</li> <li>• Data is a 2D array where lines are the categories' values set for each key (columns).</li> </ul>
Create		<p>Create a diagram bloc representing a line chart.</p> <ul style="list-style-type: none"> <li>• Keys are the different axes' names.</li> <li>• Categories are the set of values' names.</li> <li>• Data is a 2D array where lines are the categories' values set for each key (columns).</li> </ul>
Create Diagram		<p>Create a diagram bloc.</p> <p>Diagrams are described using plain text. The format of the text description depends on the selected diagram type.</p> <p>More information:  <a href="https://docs.asciidoctor.org/diagram-extension/latest/#creating-a-diagram">https://docs.asciidoctor.org/diagram-extension/latest/#creating-a-diagram</a></p>

### 2.3. Create table



Table 3. Functions description

Name	Connector pane	Description
Create Table		<p><b>NOTE</b> This VI is polymorphic.</p> <p>Create a table block using either a 2D array of <b>Table cell</b>s or strings for the content.</p> <p><b>Note 1:</b> Nesting is permitted to a maximum depth of 1 (i.e. table in a table) only (only possible when building a table from table cells). <b>Note 2:</b> Row attributes override cell attributes, and both override column attributes</p> <p>More information: <a href="https://docs.asciidoctor.org/asciidoc/latest/tables/build-a-basic-table/">https://docs.asciidoctor.org/asciidoc/latest/tables/build-a-basic-table/</a></p>
Create table cell	<p>Cell content [10] Cell attributes [9] error in (no error) [8]</p> <p>T.CELL CREATE TABLE CELL [3] Cell [0] error out</p>	<p>Create a table cell object.</p> <p>A Table cell can contain any asciidoc bloc, including another table (<b>Note</b> only one level of table nesting is permitted by the renderer).</p> <p>Table cells are used to build the content of an advanced table bloc, they should <b>not</b> be added directly to a document section.</p> <p><b>Note:</b> Style can only be set for cells containing paragraph text.</p>

## 2.4. Attributes



Table 4. Functions description

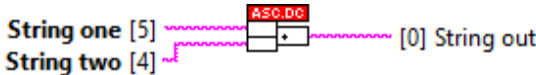

Name	Connector pane	Description
Set Image Directory	<p>Doc in [11] Path [10] error in (no error) [8]</p> <p>DOC SET IMAGES DIR [3] Doc out [0] error out</p>	<p>Sets the directory for locating images added to the document.</p>

Name	Connector pane	Description
Set Table Of Content		Enable or disable the creation of a table of contents in the generated document
Set Table Of Content Levels		Set the number of section levels (i.e. subsection depth) shown in the table of contents
Set Section Numbering		Enable or disable section numbering in the generated document
Add Custom Attribute		<p>Add a custom attribute to the document.</p> <p>Attributes can be references in the text using {"attribute name"}. Allowing e.g. text substitutions etc.</p> <p>For more information see: <a href="https://dosc.asciidoctor.org/asciidoc/latest/attributes/document-attributes">https://dosc.asciidoctor.org/asciidoc/latest/attributes/document-attributes</a></p>

## 2.5. Formating



Table 5. Functions description

Name	Connector pane	Description
<p>Add Line Break</p>		<p>Insert a line break between 2 lines used in a paragraph block</p> <p>Since adjacent lines of text in AsciiDoc are combined into a single paragraph when converted, it means you can wrap paragraph text or put each sentence or phrase on a separate line. The line breaks won't appear in the output. However, if you want the line breaks in a paragraph to be preserved, you can use a space followed by a plus sign (+).</p> <p>More information: <a href="https://docs.asciidoctor.org/asciidoc/latest/blocks/hard-line-breaks/">https://docs.asciidoctor.org/asciidoc/latest/blocks/hard-line-breaks/</a></p>
<p>Format Text</p>		<p>Add selected formatting to the input string.</p> <p>For more information: <a href="https://docs.asciidoctor.org/asciidoc/latest/text">https://docs.asciidoctor.org/asciidoc/latest/text</a></p>