

LOGO! Web Editor - agenda



1	Welcome to the workshop – customized webserver
2	LOGO! 8 webserver – simply and affordable creation of customized websites
3	LOGO! webserver options
4	LOGO! Web Editor
5	Necessary supplies to create and run a customized website
6	Overview of the LWE tool interface
7	LWE components in detail
8	Frist steps with the LOGO! Web Editor
9	Designing digital components

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Welcome to the workshop – customized webserver

The purpose of this workshop is to introduce our new and innovative tool. This tool enables the creation of customized websites. Furthermore the procedure of creating a customized website is performed in this workshop.

All screenshots were taken by using the LOGO! Web Editor V1.0.0 (2017-10-23 13-30)

The download is published on our LOGO! homepage and you can find it via following: https://w3.siemens.com/mcms/programmable-logic-controller/en/logicmodule-logo/demo-software/Pages/Default.aspx

Enjoy the workshop!



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LOGO! 8 webserver – simply and affordable creation of customized websites

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LOGO! – integrated webserver

Basic version "text messages"



Advanced version "customized websites"



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attribute / function

Integrated webserver

- Designing websites without any HTML knowledge
- simply version to display text messages and function buttons of the TDE
- Customized websites created by yourself using LOGO! Web Editor (LWE = open source)
- Advanced user can optimize the websites by using HTML 5
- Compatible with all common web browsers (Internet Explorer, Chrome, Firefox etc.)

benefit

Affordable solution for controlling systems via smartphones, tablets and computers

- No additional knowledge necessary because of using text messages
- Creating own websites without HTML knowledge
- Individual optimization of websites using HTML 5

LOGO! webserver options



TDE based and internal webserver:

- text messages via LOGO! Soft Comfort
- Integrated since LOGO! 8
- Displaying:
 - LOGO! device
 - LOGO! TDE with function buttons
 - Variable table

Customized webserver:

- Creating websites using LOGO! Web Editor (LWE) (no additional knowledge necessary)
- Projects are editable by using HTML 5
- LOGO! Basic Module needs a Micro-SD card for saving the customized website



Both webservers use the same password and must be enable in LOGO! Soft Comfort "Tools – Transfer – Access control"

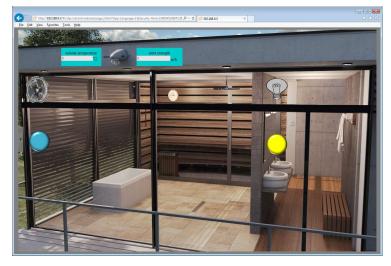
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LOGO! Web Editor

The LWE allows to create customized websites, which are used to control and monitor LOGO! automated tasks:

- Individual user interfaces
- Controllable by any terminal device (just browser necessary)
 - \rightarrow Customizable resolution (according to your device)
- Location independent controlling (e.g. via smartphone)





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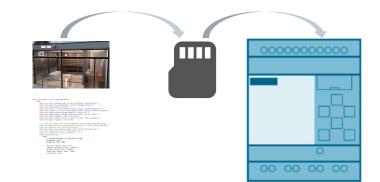
Necessary supplies to create and run a customized website

- LOGO! Web Editor (Download via LOGO! homepage: <u>https://w3.siemens.com/mcms/programmable-logic-controller/en/logic-module-logo/demo-software/Pages/Default.aspx</u>) (supported operating systems: Windows 32/64, Linux 32/64 und MacOS)
- LOGO! Soft Comfort V8.2 (for programming)
- LOGO! 8 basic module version 8.2

LOGO! 12/24RCE	6ED1052-1MD08-0BA0
LOGO! 12/24RCEo	6ED1052-2MD08-0BA0
LOGO! 230RCE	6ED1052-1FB08-0BA0
LOGO! 230RCEo	6ED1052-2FB08-0BA0
LOGO! 24RCE	6ED1052-1HB08-0BA0
LOGO! 24RCEo	6ED1052-2HB08-0BA0
LOGO! 24CE	6ED1052-1CC08-0BA0
LOGO! 24CEo	6ED1052-2CC08-0BA0

(1/2018)

 Micro-SD card for using customized websites (All required data like pictures are stored on this Micro-SD card)

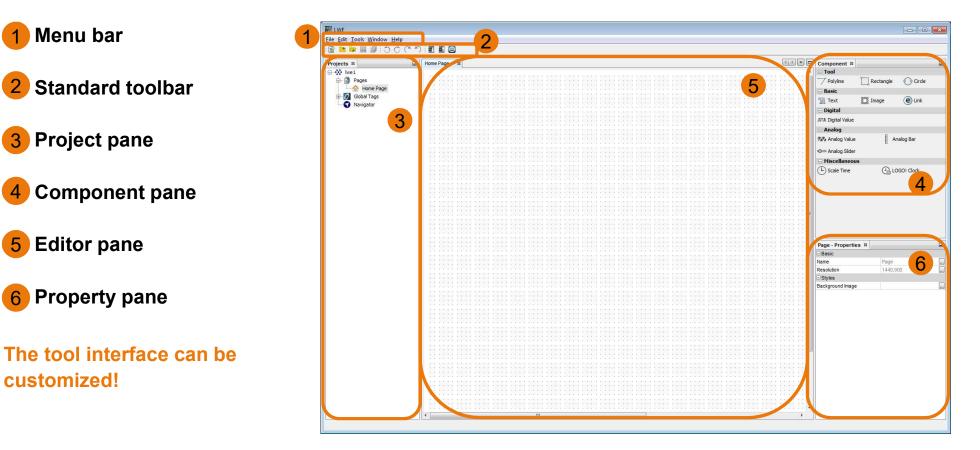




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1

5

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Menu bar:

File, Edit, Tools, Window, Help

Standard toolbar:

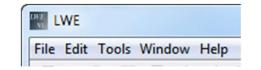
New project, open project, close project, save, save as, left / right rotate, redo, undo, download, upload, deploy on SD card

Project pane:

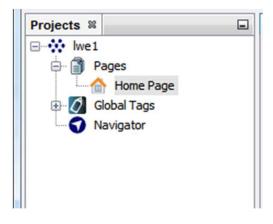
Project name, pages, Global Tags, Navigator

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Component pane:

The components have to drag and drop into the editor pane.

Tool: to draw graphics
Basic: Text, Image and Link
Digital: Digital Value (control buttons)
Analog: Analog Value (writeable), Analog Bar (monitoring bar graph) and Analog Slider (writeable)
Miscellaneous: Scale Time and LOGO! Clock

Properties pane:

Here you can customize the properties of a selected component or page.

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Component %		-
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🖂 Basic		
Text	💢 Image	(e) Link
🖂 Digital		
.MM. Digital Value		
🗄 Analog		
Analog Value	Analog Bar	40 Analog Slider
Miscellaneous		
L Scale Time	LOGO! Clock	

Page - Properties %		-
Basic		
Name	Page	
Resolution	1440,900	
⊡ Styles		
Background Image		



Editor pane:

The editor pane is the working area for the project. In this working area the customized websites will be generated. The area is used to place components, design images or buttons, add backgrounds, and set properties.

Different resolutions are able to customize

- e.g.: smartphone
 - tablet
 - computer

(see page 28)

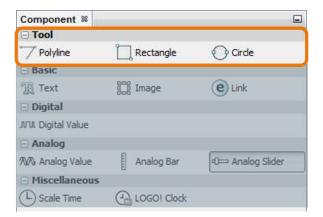
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Components in detail: Tool

Polyline, Rectangle and circle can be used to design own images.

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Polyline - Properties 8		-
Basic		
Name	Polyline	
⊡ Styles		
Weight	1	
Color	[0,0,0]	
Dashed	Solid	•
Transparency	0	

Rectangle - Properties %		
Basic		
Name	Rectangle	
Location	460,244	
Size	140,128	
Styles		
Border Width	1	
Border Style	Solid	•
Border Color	[0,0,0]	
Background Color	[255,255,255]	
Transparency	0	
Fill		

Circle - Properties #		
Basic		
Name	Circle	
Location	448,248	
Size	100,100	
🗆 Styles		
Border Width	1	
Border Style	Solid	•
Border Color	[0,0,0]	
Background Color	[255,255,255]	
Transparency	0	
Fill	1	

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Components in detail: Basic

Text: to monitor text information Image: to monitor images Link: to add another URL-links or websites

Text - Properties 🕷		
Basic		
Name	Text	
Location	404,296	
Size	100,57	
🗄 Styles		
Font	Arial 14 Plain	
Text Color	[0,0,0]	
Background Color	[255,255,255]	
Fill		
⊡Values		
Text Value	Text	

Image - Properties %		-
Basic		
Name	Image	
Location	464,270	
Size	100,100	
- Values		
Image	Default.png	



Component %		
🖃 Tool		
7 Polyline	Rectangle	🕜 Circle
🖂 Basic		
18 Text	Image	e Link
🖃 Digital		
JULI Digital Value		
Analog		
1000 Analog Value	Analog Bar	0 Analog Slider
Miscellaneous		
C Scale Time	LOGO! Clock	

Link - Properties %		
Basic		
Name	Link	
Location	549,311	
Size	100,50	
⊡ Styles		
Font	Arial 14 Plain	
Text Color	[0,0,0]	
Background Color	[255,255,255]	
Fill		
⊡Values		
Text Value	Link	
Url	http://	

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Components in detail: Digital

Digital Value:

The Digital Value is one of the most important components. This component can be used to monitor and control digital signals.

Other images can be added for the signal state "on" and "off".

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Digital Value - Properties 8		-
Basic		
Name	Digital ∀alue	
Location	433,334	
Size	100,100	
⊡ Variable		
Variable Name	Private Tag	• •
Block Type	I	•
Block Number	I1	•
Writable		
Animation		
On Image	Default.png	
Off Image	Default.png	
On Text	ON	
Off Text	OFF	

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Component %		
Polyline	Rectangle	🔿 Cirde
🖃 Basic		
Text	🛱 Image	e Link
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Analog		
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Miscellaneous		
C Scale Time	LOGO! Clock	

Components in detail: Analog

Analog Value: to monitor and specify analog values (numeric)Analog Bar: to monitor analog values (just reading)Analog Slider: to monitor and specify analog values

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Component %		
Polyline	Rectangle	Circle
- Basic		
Text	🗒 Image	e Link
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C Scale Time	LOGO! Clock	

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	ize	100,38		60	Variable Name	Private Tag	•		Variable Name	Private Tag	•
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v	ariable Name	Private Tag			Block Number	AI1			Block Number	AI1	•
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				<u> </u>	Styles				Background Image	uibg5.png	
					Border Color	[0,0,0]			Thumb Image	uibg2.png	

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Components in detail: Miscellaneous

Scale Time:

To convert integer values (e.g. counter values into time values)

LOGO! Clock:

To monitor Date and Time of the connected LOGO! 8

Scale Time - Properties 8		-
Basic		
Name	Scale Time	
Location	370,363	
Size	100,38	
Variable		
Variable Name	Private Tag	•
Block Type	AI	•
Block Number	AI1	•
Time	Hours(h)	•
Writable		

LOGO! Clock - Properties %		
Basic		
Name	LOGO! Clock	
Location	444,448	
Size	120,60	
🗆 Styles		
Font	Arial 14 Plain	
Text Color	[0,0,0]	
Background Color	[255,255,255]	
Fill		



Component %		
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Polyline	Rectangle	🕐 Circle
Basic		
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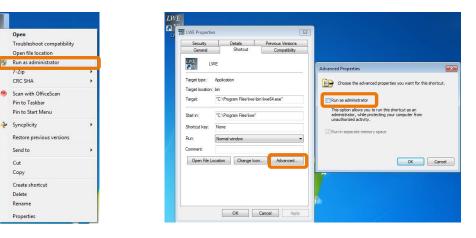
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Install the LOGO! Web Editor!

Run LWE as administrator (2 Options):

- Right click on LWE.exe "run as administrator" •
- Right click on LWE.exe "Properties Advanced" and enable "run as administrator"

Now symbols and images are able to import into the Library



General System Notice	×
LOGO! Web Editor V1.0.0 (2017-10-23 13-30) © Siemens 2017	
LOGO! Web Editor V1.0	
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LWE

IW

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Once the LOGO! Web-Editor is running, create a new project.

5,000.		W LWE				
LWE		File	Edit Tools W New Project	indow Help	5	
File Edit Tools Window Help				Ctrl+Shift+N		*Home Page 8
Pr New Project	*Home Page 🛛		Close Project Save	Ctrl+F4 Ctrl+S		
□		4	Save All	Ctrl+Shift+S		
Home Page		G	Save As			
⊕ Ø Global Tags		-	Exit			

- Enter a project name
- Select a project location on your computer
- Select the default resolution of your website

Project <u>N</u> ame:	we2			
Project Location:	C:\Users\z003vdy	p\Desktop		Browse
Default Resolution:	1440*900 👻			

Afterwards you are still able to change the resolution. There is also the option to add another pages with different resolutions. This benefit enables different websites for various devices.

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Add a Digital Value to control and monitor the digital output Q1.

- Digital Value needs to drag and drop into the editor 1. pane
- 2. Select "Q" as Block type and Q1 as Block Number
- 3. Attention: Enable *"writable"* otherwise it is not possible to modify the variable

Ele Edit Icols Window Help rojects % We1 Pages More Page Global Tags Navigator Orde Rectangle e Link ⊙⇒ Analog Side Analog Bar 2 Variable Variable Name Private Tag T Block Type Block Number I1 3 Default.ong Default.ong ON Writable

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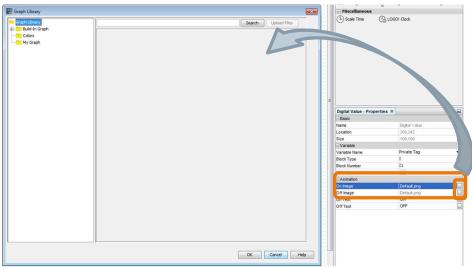
We will now add an animation to the Digital Value. LOGO! Web Editor Tool offers different images and animations.

Possibilities for Digital Value:

- Images, gifs or text information for the signal state "ON"
- Images, gifs or text information for the signal state "OFF"

If you click on "...", the Graph Library will be open

- Build-In Graph (pre-installed animations, images...)
- Colors (pre-installed background colors)
- My Graphs (adding own images and animations)



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We select for example *"flashinglight_blue"* This animation is located in *"Build-In Graph – Animation"*.

To add own images or animation, there are two options:

• Via *"Upload file"* in *"My Graph"* to import own images

ph Library Build-En Graph Colors My Graph		Search Upload Files
Open		ht House
Lo	ok in: 👔 My Documents	🔹 🖻 😁 🛄 -
Recent In Desitor	My Received Files NetBeamProjects Outlook-Dateien Scanned Documents	
6	File name:	Open
Networ	Files of type: Images Filter	Cancel

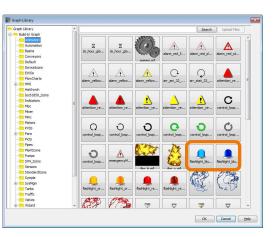
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• Copy and paste into the location of *"My Graph"* (needs to confirm by the administrator)

rganize 🔻 🛛 🎇 Open	Include in library 👻 Share with 👻	Burn New folder		100 -	
Favorites	Name	Date modified	Туре	Size	
E Desktop	🕌 Build-In Graph	12.02.2018 14:46	File folder		
Downloads	Delors	12.02.2018 14:46	File folder		
Recent Places	🏄 My Graph	13.02.2018 11:36	File folder		
∻ Syncplicity 🗉					
Syncplicity Libraries Documents Music Pictures Videos Computer Computer					
Libraries Documents Music Pictures Videos					

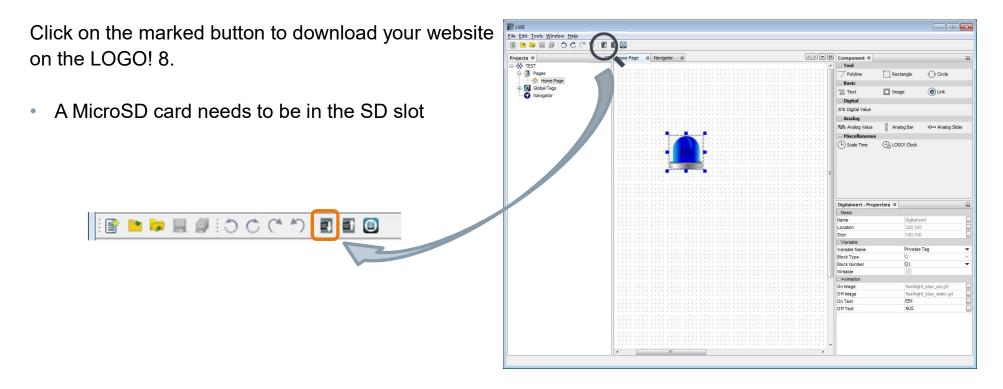


The location of the folders depends on the installed location!

"… - lwe - lwe - res - Graph Library – My Graph"



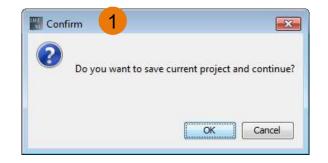




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During the download several dialogs will pop up:

- 1. To save current project and continue? *"OK"* (or *"Cancel"*)
- 2. The download dialog like in LOGO! Soft Comfort V8



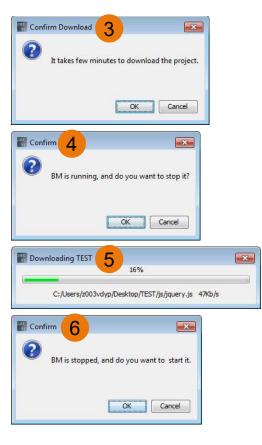
Interface:	Intel(R) Eth	nernet Connection I.	217-V		
	2				
			Test		
et IP Addres	s: 192.168. 0). 3			Address Book
ssible Device	::				
ne	IP Address	Subnet Mask	Gateway	Mac Address	Status
ie	IP Address	Subnet Mask	Gateway	Mac Address	Status

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- 3. A confirmation pop-up, that the download takes few minutes. The duration depends on the resolutions of the used images or gifs. (Do not skimp on the resolutions, because the result is important!)
- 4. An information, that the basic module is still running. For the download the basic module has to be in the STOP mode
- 5. Download-progress
- 6. Another confirmation pop-up to switch LOGO! 8 back to the RUN mode

Now the customized website is stored on the LOGO!

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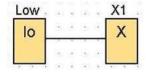


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In this example, the output Q1 is directly controlled by the "ON / OFF" button, so there is just required a program, which sets the LOGO into the RUN mode.

The access control for the webserver must be enable. "Tools – Transfer – Access control"

Download the minimal program on the LOGO!:



Assign IP address New password: Set clock Confirm New Password: Operating mode Clear program and password TD power-on screen Apply Hours Counter Web server access Upload data log Allow Web server access Diagnostics Enable password protection for Web server access Summer/Winter time Dynamic server IP filter Enter new password Clock Sync with EM Switch New password: NTP Settings Confirm New Password: Apply Contro Allow operation control from the LOGO! TD I Enable password protection for operation control Enter new password New password: Confirm New Password: Apply OK Cancel Help

Enter new password

LOGO! settings

Connect to LOGO!

Show FW version

Offline settings Online settings

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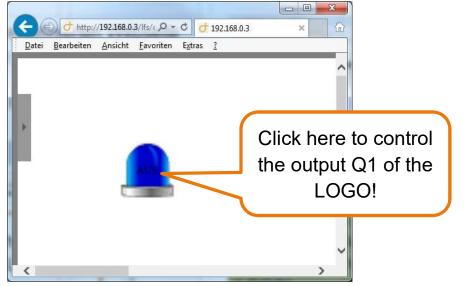


X

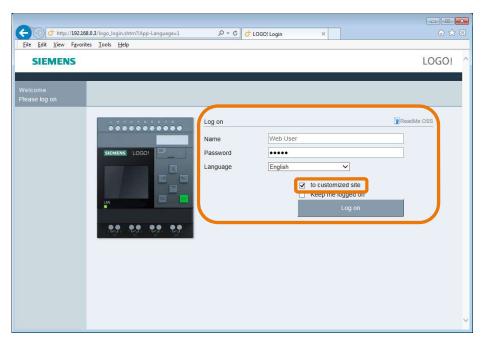
~

Start your browser and enter the IP address of your LOGO!

You have to enter your configured password and enable *"to customized site"* to monitor your customized website.



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Congratulation on the first customized website without any HTML knowledge!



The next tutorial includes the following points:

Adding new pages, changing resolution of pages, monitoring images and specifying the navigators:

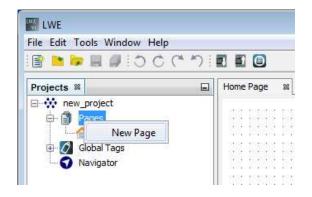
Adding new pages in the LOGO! Web-Editor:

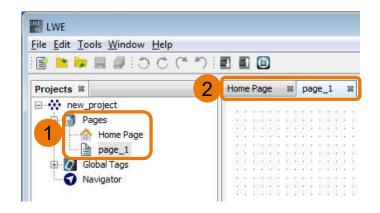
To add a new pages, right click on *"Pages"* → *"New Page"*

To get to the desired page, there are two possibilities:

- 1. Double click on the respective page in the project pane
- 2. Click on the respective tap in the editor pane





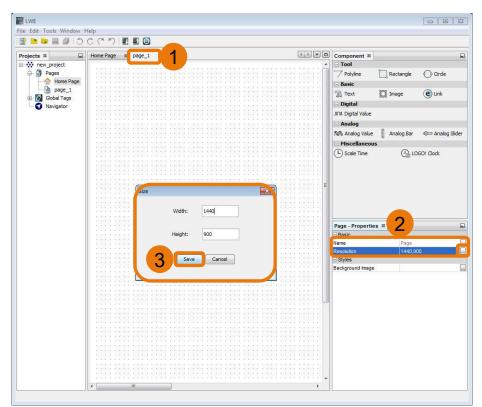


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Changing the resolution of a page:

The resolution of a customized website can be scaled to any terminal device.

- 1. Switch to the new page
- 2. Click on "..." in the resolution properties
- The resolution can be changed via width and height in the pop-up dialog. Configure the resolution like the display resolution of your terminal device and confirm by the *"Save"* button.



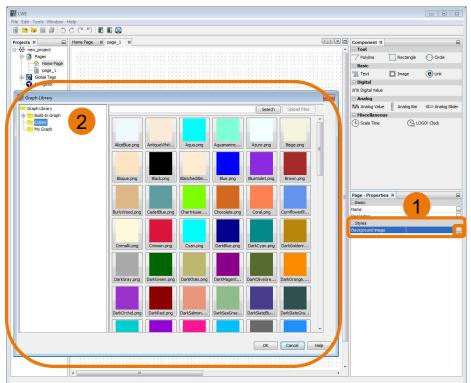
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Changing backgrounds of a page:

- 1. Click on the "..." button at background image bar in the properties pane
- 2. Select an image from the Graph Library
 - Background colors are in the "Colors" file
 - Your own images will be in the "My Graph" file (See page 21 to know how to import your own images)



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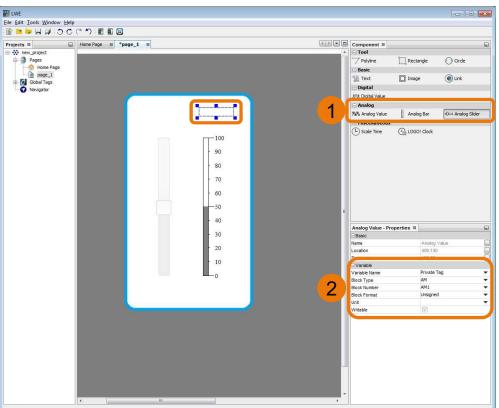
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Analog - component

- 1. Add an *"Analog Value"*, an *"Analog Bar"*, and an *"Analog Slider"* to your new page
- 2. Click on the *"Analog Value"* and change the properties like in the following picture:

Variable		
Variable Name	Private Tag	•
Block Type	AM	-
Block Number	AM1	-
Block Format	Unsigned	-
Unit		•
Writable	V	

Specify for all three components *"AM"* as the Block Type and *"AM1"* as the Block Number.



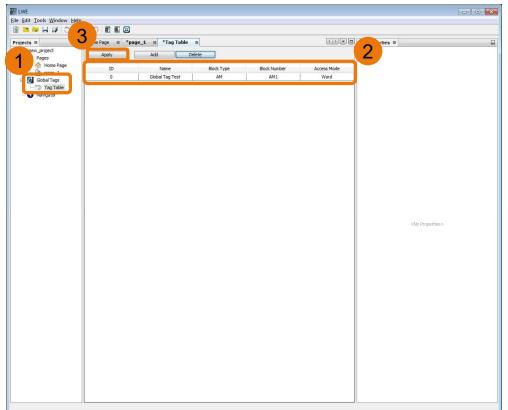
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Creating Global Tags

- 1. Double Click on *"Tag Table"* in the project pane
- 2. Add a new tag and configure it like in the picture
- 3. Click on *"Apply"* to confirm the configuration

In the Tag Table can be specify the ID, name, Block Type, - Number and Access Mode. Once a tag is already used, it is not able to change or delete it. If you want to change it, the tag must not be selected at any variable.



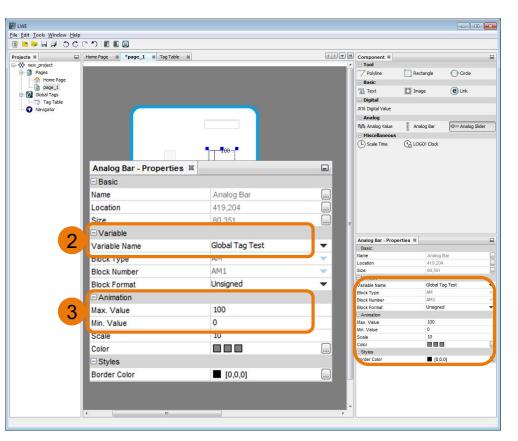
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Applying Global Tags:

- 1. Create a global tag with the LOGO! Address *"AM1"*
- 2. Select the created global tag for the analog bar and analog slider
- Both the analog bar and the analog slider can be specified by an interval. Set each to the limited Values 0 – 100.

So it is just necessary to specify the global tag name instead of Block Type and Block Number.



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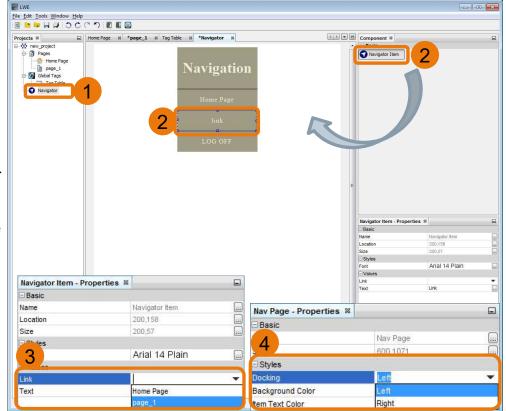
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The Navigator in the LOGO! Web Editor:

If there are more than one page, it should be able to navigate to the other pages. LOGO! Web Editor offers a navigator to manage this task.

- 1. Double click on the Navigator at the Project pane
- 2. Drag and drop a *"Navigator Item"* into the editor pane for each page
- 3. Link a page (Here the first link was linked to the Home Page)
- 4. Configure "Nav Page Properties"

Now download the website on your LOGO! and open your browser again.



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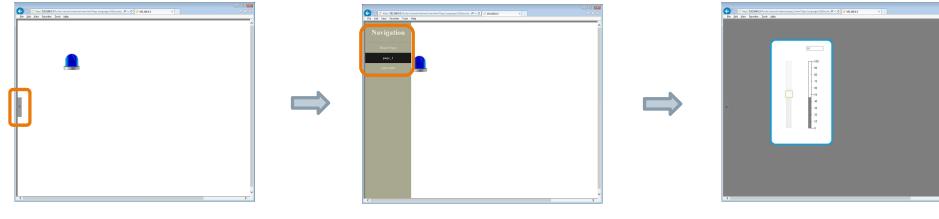
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1. The navigator is located on the left side.

Hint: The navigator can be docked on the left and right side of the customized website. Dock the navigator on the left side to ensure that the navigator is easier to locate at websites with different resolutions.

2. Click on the respective website to get to this website.

Click on *"page_1"* to test the function of the navigator in your browser. (The name of a page can still be changed afterwards in the LOGO! Web Editor)



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Designing digital components

This is one of the most important feature for our customers. This feature enables the customized design of the website. The LOGO! Web Editor offers many possibilities.

Supported image formats in the LOGO! Web Editor:

- 1. JPG/JPEG: image (rectangular, nontransparent)
- 2. PNG: images in any shape (without frame) (GIMP can be used to design these images)
- 3. GIF/TIFF: animated images (GIMP can be used to design these animations)



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Thank you for your attention





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