zenon manual

History of changes

v.7.00
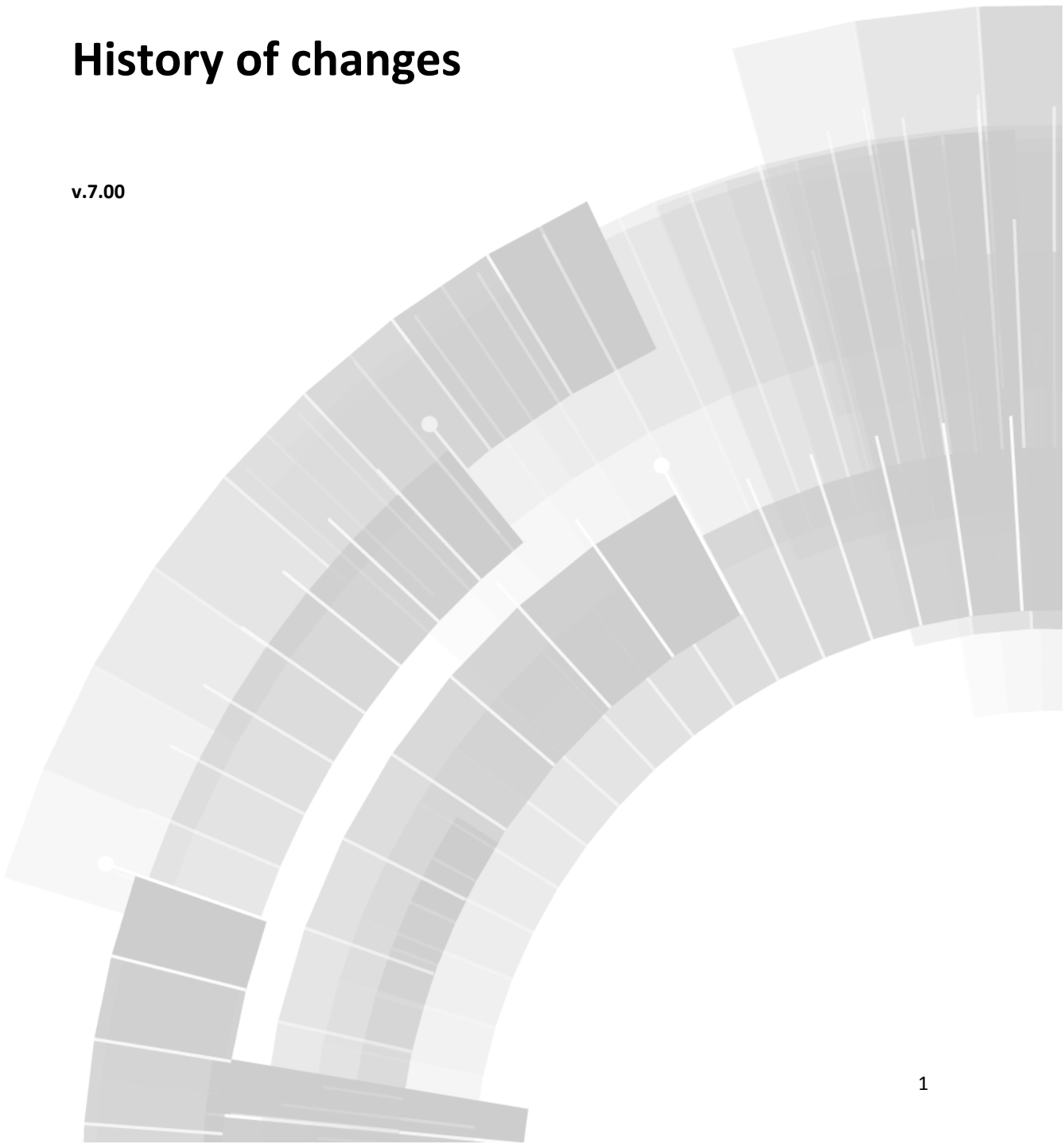
COPA·DATA
do it your way

Contents

1. Welcome to COPA-DATA help

GENERAL HELP

If you miss any information in this help chapter or have any suggestions for additions, please feel free to contact us via e-mail: documentation@copadata.com (mailto:documentation@copadata.com).

PROJECT SUPPORT

If you have concrete questions relating to your project, please feel free to contact the support team via e-mail: support@copadata.com (mailto:support@copadata.com)

LICENSES AND MODULES

If you realize that you need additional licenses or modules, please feel free to contact the sales team via e-mail: sales@copadata.com (mailto:sales@copadata.com)

2. History of changes

The history of changes serves for complete documentation of the phase of engineering. All changes to a project such as change, delete, create, etc. can be protocoled. Per default the history of changes turned off and must be activated (on page 5) in the Editor.

License information

Part of the standard license of the Editor and Runtime.

PROJECT MANAGER CONTEXT MENU

Menu item	Action
Export XML all ...	Exports all entries as an XML file.
Export CSV all...	Exports all entries as an CSV file.
Activate extended filter	Opens the dialog for Engineering enhanced filter settings (on page 9).
Deactivate enhanced filter	Deletes the settings for the extended filters and deactivates the property for the engineering of the extended filter settings.
Editor profile	Opens the drop-down list that includes pre-defined editor profiles.
Help	Opens online help.

3. Engineering in the Editor

The history of changes must be activated in the Editor. To do this:

1. navigate to Group `History of changes` in project properties

2. Activate the `History of changes active` property

3. select via property `Detailling level` which details should be recorded:
   - `Object`: Only the object names of the changed objects are logged.
   - `Properties`: Additionally to the object names the changed properties and the new values are displayed in the history of changes.
   - `Value changes`: Not only the new value of a property is displayed but also the old one. This makes a complete tracability of the changes of values possible. This setting causes the most detail level of logging.

4. with multi-user projects via property `Automatically allow changes` you can automatically grant write access to the entry of a comment;
   per default this settings is deactivated as it may need a lot of resources

PROTECTING THE HISTORY OF CHANGES

The activating/deactivating of the history of changes can be protected from unauthorized user access. To do this:

1. navigate to Group `User administration` in project properties

2. click in the field of property `Function authorizations`

3. the dialog for changing the function authorization is opened

4. select for `Turn on/off history of changes` the desired authorization level

3.1 Change history detail view of toolbar and context menu

CONTEXT MENU

Menu item	Action
Filter Module	Sets the filter to the module of the selected entry.
Filter object	Sets the filter to the object of the selected entry.
Activate extended filters	Activates the property for engineering extended filter settings.
Deactivate extended filters	Deletes the settings for the extended filters and deactivates the property for the engineering of the extended filter settings.
Remove all filters	Removes all filter settings.
Copy	Copies selected entry to the clipboard.
Delete	Deletes selected entries.
Export selected XML	Exports selected entries as an XML file.
Export selected CSV	Exports selected entries as a CSV file.
Edit selected cell	Opens the selected cell for editing. The binocular symbol in the header shows which cell has been selected in a highlighted line.
Properties	Opens the **Properties** window for the selected entry.
Help	Opens online help.

4. Logged data

If the history of changes is activated, the changes are displayed in the detail view of the project manager according to the selected settings. The first entry documents the activation of the History of changes. At deactivation the last entry is the deactivating of the history of changes.

Entry	Description

`Status`	State of the object for multi-user projects.
	
	`Green:` Object has the state `Enable changes`
	
	`Empty:` Object has the state `Apply changes`

`time stamp`	Date and time.
`Action`	Type of interference. Possible values: ▸ New ▸ Changed ▸ Deleted ▸ New - VBA ▸ Changed - VBA ▸ Deleted - VBA
`Module`	The module (e.g. PFS, archive, report) where the changes have been made.
`Object`	Object which was changed.
`Element`	Element which was changed. Recorded is the name as defined in property `Element name`.
`Property`	The property of the objects/elements which were changed.
`Old value`	The value of the property before changes were done. Only available if you selected `Value change` in project property `Detailling level`.
`New value`	Value of the property after the change. Only available if in project settings under `Detailling level` `Properties` or `Value changes` was selected.
`User`	The user who carried out the changes. If the user administration is not activated or no user is logged in, the Windows user is read out and entered.
`Computer`	The name of the computer where the changes have been made.
`Comment`	Freely usable text.

You can sort the columns via drag&drop with the help of the mouse according to your desire. Each column can be filtered (on page 9)for certain content.

Note: If you can certain properties which open a dialog for additional settings, not all changes are recorded.

For example: In module Batch Control you change a parameter which is linked to a phase via a formula. This change is not recorded. If you change the formula, the change is recorded.
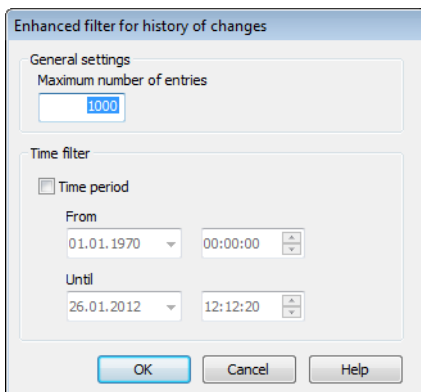
4.1   Filter data

There are two possibilities to filter displayed list of the history of changes:

1. Enhanced filter of the history of changes

2. Filter of the list view

ENHANCED FILTER OF THE HISTORY OF CHANGES

You can reach the enhanced filter via the context menu in the project manager or in the detail view.

Parameters	Description
Maximum number of entries	Defines the maximum number of data sets which are displayed in the list. 0: Unlimited number. Default: 1000
Time period	Enables filtering on a specified time period or to or from a certain point in time. Active: Only entries from the given time period are displayed. Default: Deactivated.
From	Date and time after which changes should be displayed.
To	Date and time up to which changes should be displayed.

5. Logged actions

In the history of changes the following is protocoled:

Object	Changes
zenon Logic	▸ zenon Logic New project ▸ zenon Logic Delete project ▸ zenon Logic Change project
Archives	▸ New archive ▸ Delete archive ▸ Change archive ▸ Add variable ▸ Delete variable
Users	▸ New user ▸ Delete user ▸ Change user
Screens	▸ New screen ▸ Delete screen ▸ Change screen
Files	▸ Add file ▸ Delete file ▸ Change file
Data types	▸ Datatype new ▸ Delete data type ▸ Change data type
Dynamic elements/ Vector elements	▸ Element new ▸ Delete element ▸ Change element
Functions	▸ Function new ▸ Delete function

	▸ Change function

Menus		Main menu new
	▶	Delete main menu
	▶	Change main menu
	▶	Context menu new
	▶	Delete context menu
	▶	Change context menu
Message Control	▶	At saving changes
Process Control Engine (PCE)	▶	At saving changes
Project	▶	Move project within project tree
Project backup	▶	Creating a project backup with version number.
Reaction matrices	▶	Rema new
	▶	Delete Rema
	▶	Change Rema
Report	▶	New report
	▶	Delete report
	▶	Change report- when saved
Recipe	▶	Recipe new
	▶	Recipe delete
	▶	Change Recipe
	▶	Add variable
	▶	Delete variable
	▶	Change the value
Recipegroups	▶	Recipe group new
	▶	Recipe group delete
	▶	Change Recipe group
	▶	Recipe new

	▸ Change Recipe
	▸ Recipe delete
	▸ Add variable
	▸ Delete variable
	▸ Change the value
	▸ Change source
	▸ Change source type

Frames	▸ Frame new
	▸ Delete frame
	▸ Change frame
Scheduler	▸ At saving changes
Fonts	▸ Font new
	▸ Delete font
	▸ Change font
Scripts	▸ Script new
	▸ Delete script
	▸ Change script
Language table	▸ New entry
	▸ Delete entry
	▸ Change entry
Drivers	▸ Driver new
	▸ Delete Driver
	▸ Change Driver
VBA	▸ When saved the changes in the VBA-Editor an entry is generated.
Variables	▸ Variable new
	▸ Delete variable
	▸ Change data point
Interlockings	▸ New interlocking
	▸ Change interlocking
	▸ Delete interlocking
	▸ Variable new
	▸ Delete variable
Time control	▸ Time function new

	▸ Delete time function
	▸ Change time function

6. Export data

The data of the history of changes can be exported as XML or CSV file.

To export data:

1. highlight the desired entries
   (Multi-select via shortcut `Ctrl+left mouse button`, **`Shift+left mouse button`**, **`Ctrl+A`** is possible)

2. select the desired export form (XML or CSV) in the context menu

3. the dialog for selecting where to save the file is opened

4. enter a name and confirm by clicking **`Save`**

Note: The headings of the entries in the exported files are in English.