

Alarms - Alarm History Filter




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[AlarmHistoryFilter.tproj](#)





- **Project Name:** AlarmHistoryFilter
- **Software Version:** 9.2 sp2 (9.2.26)
- **Keywords:** Alarm. History. Filter.

Project Summary

This sample shows how to filter Alarm History data using start and end dates and SQL statements as filters.



Project: AlarmHistoryFilter

 GUEST   23:18:24
8/30/2022 

Simulation Value: 93

Online

Ack	Active Time	TagName	Message
	8/30/2022 11:18:21...	Tag.SimulationValue	The Simulation Value reached 70
X	8/30/2022 11:18:14...	Tag.SimulationValue	The Simulation Value passed 5
X	8/30/2022 11:18:12...	Tag.SimulationValue	The Simulation Value reached 90

History 1

Start Date: 08/30/2022 11:08 PM End Date: 08/30/2022 11:18 PM Now

Ack	Active Time	TagName	Message
	8/30/2022 11:18:21....	Tag.SimulationValue	The Simulation Value reached 70
X	8/30/2022 11:18:14....	Tag.SimulationValue	The Simulation Value passed 5
X	8/30/2022 11:18:14....	Tag.SimulationValue	The Simulation Value passed 5
	8/30/2022 11:18:14....	Tag.SimulationValue	The Simulation Value passed 10

Good to know

You can copy the rows to Excel by right clicking on the respective rows, selecting Copy, then Paste.

History 2

Ack	Active Time	TagName	Group	Value	Condition	Message
	8/30/2022 11:18:21....	Tag.SimulationValue	Warning	70.00	Hi	The Simulation Value reached 70
X	8/30/2022 11:18:14....	Tag.SimulationValue	Critical	6.00	LoLo	The Simulation Value passed 5
X	8/30/2022 11:18:14....	Tag.SimulationValue	Critical	0.00	LoLo	The Simulation Value passed 5
	8/30/2022 11:18:14....	Tag.SimulationValue	Warning	0.00	Lo	The Simulation Value passed 10

Insert here any SQL statements to be the filter like the examples below:
1) Condition = 0 **Note:** 0 = Hi 1 = HiHi 2 = Lo 3 = LoLo
2) Group = 'Warning'

Filter: Condition = 0 AND Group = 'Warning' Update Filter

Technical Information

The Alarm Viewer object allows to show Online Alarm, Historian Alarms or Audi Trail logs.

In order to select the historian time-frame, the Alarm Viewer object uses the fields Start and EndDateTime.

This example shows use calendar or SQL queries to populate the Start and End fields.

Reference Information

See [Alarms and Audit Trail](#) for more information.

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