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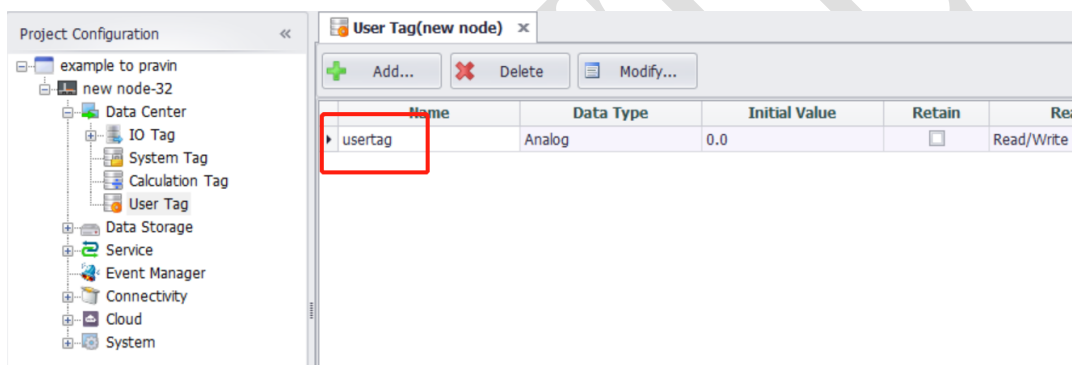
Date	2018/3/14	SR#	1-3730752481
Category	■FAQ □SOP	Related OS	N/A
Abstract	How to Calculate the Variation of Tag in Edgelink		
Keyword	Variation, Calculation Tag		
Related Product	ADAM-3600, ECU-1152, ECU-1251		

■ Problem Description:

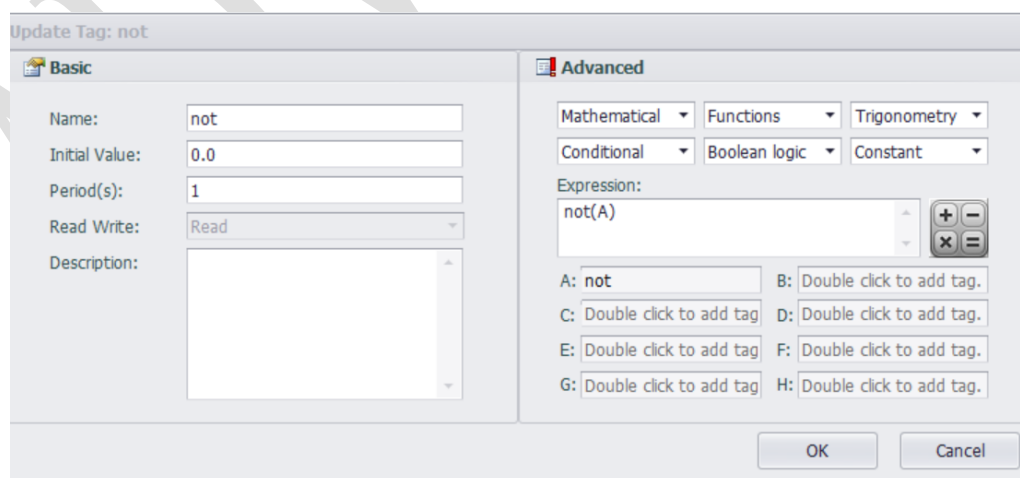
We can calculate the variation of tag by using calculation tags in Edgelink.

■ Answer:

For example, “usertag” is the tag you want to calculation the variation.



- 1) Add a calculation tag “not”. Formula is “not(A)”, A is itself. So it will produce a sequence: 0101010101.....



- 2) Add a calculation tag “usertag1”. Formula is “A?B:C”. A is not, B is “usertag”, C is itself. It means when “not” is 1, “usertag1” will be the value of the tag you want to know the change-----“usertag”. When “not” is 0, “usertag1” will stay itself.

Update Tag: usertag1

Basic	Advanced
Name: usertag1	Mathematical Functions Trigonometry
Initial Value: 0.0	Conditional Boolean logic Constant
Period(s): 1	Expression: A?B:C
Read Write: Read	A: not B: usertag
Description:	C: usertag1 D: Double click to add tag.
	E: Double click to add tag F: Double click to add tag.
	G: Double click to add tag H: Double click to add tag.
	OK Cancel

- 3) Add a calculation tag "usertag2". Formula is "A?B:C". A is not, B is itself, C is "usertag". It means when "not" is 1, "usertag1" will stay itself. When "not" is 0, "usertag2" will be the value of the tag you want to know the change----"usertag".

Update Tag: usertag2

Basic	Advanced
Name: usertag2	Mathematical Functions Trigonometry
Initial Value: 0.0	Conditional Boolean logic Constant
Period(s): 1	Expression: A?B:C
Read Write: Read	A: not B: usertag2
Description:	C: usertag D: Double click to add tag.
	E: Double click to add tag F: Double click to add tag.
	G: Double click to add tag H: Double click to add tag.
	OK Cancel

- 4) Add a calculation tag "change". Formula is "(A=B)?C:abs(B-A)". So if usertag1=usertag2, it will not change. If "usertag1" \neq "usertag2", this tag will show absolute value of the change of "usertag".

Update Tag: change

Basic	Advanced
Name: change	Mathematical Functions Trigonometry
Initial Value: 0.0	Conditional Boolean logic Constant
Period(s): 1	Expression: (A=B)?C:abs(A-B)
Description:	A: usertag1 B: usertag2
	C: change D: Double click to add tag.
	E: Double click to add tag F: Double click to add tag.
	G: Double click to add tag H: Double click to add tag.
	OK Cancel

There is an example below.

usertag	not	Usertag1	Usertag2	change
1	0	0	1	1
3	1	3	1	2
6	0	3	6	3
7	1	7	6	1