

Advantech AE Technical Share Document

Date	2016 / 1 / 10	SR#				
Category	■ FAQ □ SOP	Related OS	Microsoft Windows7			
Abstract	How to Modify WebAccess Default Datalog Trend Template					
Keyword	WebAccess, Datalog Trend, Description					
Related Product	N/A					

Problem Description:

WebAccess default datalog trend template is dlogtrd.bxx and dlogtrd.dxx. In this FAQ, user will learn following skills:

- How to add timestamp and tag range in X and Y Axis
- How to display tag description instead of tag name
- No data in Datalog Trend



Brief Solution - Step by Step:

1. Retrieve dlogtrd.dxx in DrawDAQ

File Edit View Setting Draw Dynamic Tools Help	
DATALOG TREND	INTERVAL: 1234567 SPAN: 1234567 GROUP NO: 1234
TAGNAME	Show reference lines 124 days 00.000
□ 2123456789012345678901	
123456789012345678901	
■ 2123456789012345678901	
□ ■ 123456789012345678901	
□ 3 123456789012345678901	
■ 3 123456789012345678901	
□ □ 123456789012345678901	
■ > 123456789012345678901	
□ 3 123456789012345678901	
□ 3 123456789012345678901	
□ 2 123456789012345678901	
□ 🛛 123456789012345678901	12/12/2001 12:12:12
VALUE: 12345678901234 HISTO	RICAL VALUE: 12345678901234 TIME: 12/12/2001 12:12:12
DISPLAY LOW: 12345678901234	DISPLAY HIGH: 12345678901234 ENG UNIT: 123456789012
DESCRIPTION: 123456789012345	67890123456789012345678901234567 DATA TYPE: 1234
NEW TAG DELETE TAG CHANGE	VALUE ALARM GRAPH ACKNOWLEDGE POINT ACKNOWLEDGE GROUP
	ABC L 0 [Zm1 x 1160 Y 0

AD\ANTECH

Enabling an Intelligent Planet

2. To get more space for Y axis, user has to shorter tag name space.

Click right button of mouse and select "Replace String"



 Enter "123456789012345678901" in Find What Enter "1234567890" in Replace With Then click "OK"

Replace String	
Find What: 12345678901234567 Replace With: 1234567890	78901
☐ No Leading Charters ☐ No Trailing Charters	Entire Drawing Selected Objects
ОК	Cancel

Result of replacing string

👸 Advantech DrawDAQ - dlogtrd.dxx [dashboard_scada]	
File Edit View Setting Draw Dynamic Tools Help	
DATALOG TREND	INTERVAL: 1234567 😴 SPAN: 1234567 GROUP NO: 1234 🛱
TAGNAME	
□ 🛛 1234567890	
□ 34567890	
□ □ 1234567890	
□ □ 1234567890	
□ □ 1234567890	
■ 234567890	
□ □ 1234567890	
□ □ 1234567890	
□ □ 1234567890	
□ □ 1234567890	
□ □ 1234567890	
□ □ 1234567890	12/12/2001 12:12:12 K
VALUE: 12345678901234 HISTOR	TCAL VALUE: 12345678901234 TIME: 12/12/2001 12:12:12
DISPLAY LOW: 12345678901234	DISPLAY HIGH: 12345678901234 ENG UNIT: 123456789012
DESCRIPTION: 1234567890234567	789012345678901234567 DATA TYPE: 1234
NEW TAG DELETE TAG CHANGE V	VALUE ALARM GRAPH ACKNOWLEDGE POINT ACKNOWLEDGE GROUP
> > > > = • = • = • x8(64 53 GdOr Sa	ABC L 0 Zml (989 Y 950

AD\ANTECH

Enabling an Intelligent Planet

4. Adjust frame and line in tag name.

3,	Adva	nteck	h Dra	wDAQ	- dla	ogtrd.	dxx [das	hbo	ard_so	ada]			-	au., 1		-
File	E	dit '	View	Sett	ing	Draw	Dyna	mic	Too	s Hel	p					
	Ê			ð.			ABc	•	₿	1	۵	* •	1	. 4 ر	5	L Ó
	D	47	-Al	0	G	T	REI	VE)	0						
	_					1	ГАG	NZ	AM	E						
Ŀ			12		45											
			1:													
			1:													
			12													
		Ø	12	23	45	67	789	0								
			12	23	45	i 67	789	0								
			12													
					45	67	789									
			12	23	45	67	789	0								
			12	23	45	67	189	0								12

5. Make graph smaller so we may put time in X axis



- 6. To display full date and time, user will need create a string of 19 characters e.g. 19 characters for "2016/01/11 13:13:18"
- 7. Macro for adding time in X-axis:
 - Start Time: %TDTRDSTM
 - 25% of Time: %TDTRDTM25
 - 50% of Time: %TDTRDTM50
 - 75% of Time: %TDTRDTM75
 - 100% of Time: %TDTRDETM



Enabling an Intelligent Planet

8. Start time: %TDTRDSTM

File Edit View Setting Draw Dynamic Tools Help	
DATALOG TREND	INTERVAL: 1234567 ╤ SPAN: 1234567 GRO
TAGNAME	
□ 1234567890	
■ 1234567890	
□ 234567890	
□ 234567890	Tag: %TDTRDSTM Advanced I/O Tag DegTag
1234567890	C Move C Rotate C C Color C Scale C Scale C Color Loc Tag Field
□ 1234567890	○Bar ← ○Bar ← ○Bar ← ○Bar ← 00001 00002 ○Pie ○ ○Pie ○ ○Fill ○Frame 00003 □
□ 234567890	C R-Text C L-Text C C-Text Pick 40001 00002 00002 00003
■ 234567890	Attribute Tag:
□ 234567890	C Alam Status C Alam Type C Digital States C Multiple States T Enck Alam Bits Fits Fit
■ 234567890	Normal
□ 2 1234567890	Alarm Ack
□ □ 1234567890	/12/2001
VALUE: 12345678901234 HISTORIC	AL. VALUE
DISPLAY LOW: 12345678901234 D	
DESCRIPTION: 123456789023456789	01234567

9. 25% of time: %TDTRDTM25



10. 50% of time: %TDTRDTM50

□ □ 1234567890	Animation Configuration
□ □ 1234567890	Tag: %TDTRDTM50 Advanced 10 Tag DayTag
□ □ 1234567890	C Move C Rotate O C Rotate Q C Color C Scale C Scale Y Original Color 000001
■ 2 1234567890	C Bar ◆ C Bar ◆ C Bar ◆ 00002 C Bir ◇ C Fir ◇ C Fill C Fame 00003 C R-Text C L-Text C -Text C +Text 40001
□ 234567890	Emble Attribute Tag Attribute Tag
■ 234567890	Alarm Status C Alarm Type C Night Status C Multiple Status Disk Alarm
□ 234567890	FG BG Bind
■ 234567890	Alarma III Tab Stop
■ 2 1234567890	
■ 234567890	
VALUE: 1234567890123	
DISPLAY LOW: 1234567	OK 78901234 ENG



Enabling an Intelligent Planet

11. 75% of time: %TDTRDTM75

Animation Configuration		
Tag: %TDTRDTM75 Advanced	L/O Tag DaqTag	
C Move C Rotate C Rotate C Color C Scale Scale C Scale Scale	LocTag Field	
Kriekt & Briekt & Criekt & Field Enable Attribute Tag	40002	
Normal Fickable Alarm Alarm Ack Tab Stop		
	OK Cancel	TIME: 12/12/2001 12:12:12

12. 100% of time: %TDTRDETM

Animation Configuration			
Tag: %TDTRDETM	Advanced	I/O Tag	DaqTag
C Move C Rotate Ω C Rotate C Scale C ScaleH C ScaleV C Bar → C Bar ← C Bar ← C Pie Ω C Pie Q C Fill C R-Text C L-Text C C-Tex Enable Attribute Tag Attribute Tag	C Color Original Colo: C Bar ↓ C Frame t C Pick	LocTag 00001 00002 00003 40001 40002 40003	Field
Alarm Status C Alarm Type Digital States FG BG Blink Normal Alarm	☐ Block Alarm		
Alam Ack 🔲 🔲 🗖	Tab Stop		

Note: adjust the screen so 5 strings can fit the screen.

- 13. Add tag display value in Y-axis:
 - 0% of display: %TLV(%TDTRD4 0 %ADTRDH)
 - 100% of display: %TLV(%TDTRD5 0 %ADTRDH)
 - 25% of display: %TLV(%TDTRD8 0 %ADTRDH)
 - 50% of display: %TLV(%TDTRD9 0 %ADTRDH)
 - 75% of display: %TLV(%TDTRDA 0 %ADTRDH)

Example of "100% of display":

	Animation Co	onfiguration				
	Tag: %TLV(%TDTRD50 %AD	TRDH)	Advanced	I/O Tag	DaqTag
	C Move C Scale	Ο Rotate Ω Ο ScaleH	O Rotate Q O ScaleV	C Color C Original Colo:	LocTag	Field
жжжжжж	C Bar → C Pie Ω	$ \begin{array}{c} \bigcirc & \text{Bar} \\ \bigcirc & \text{Pie} \\ \bigcirc \end{array} $	O Bar ↑ O Fill	O Bar ↓ O Frame	00001 00002 00003	Ē
	O R-Text	C L-Text	C C-Text	C Pick	40001	

AD\ANTECH

Enabling an Intelligent Planet

- 14. Done for adding timestamp in X-axis and tag ranges in Y-axis.
- 15. Here shows the way to displaying tag description and this can be don't by using Tag Replace
 - Tag Name Macro: %TLV(%TDTRD1 0 %ADTRDP)
 - Tag Description Macro: %TLV(%TDTRD3 0 %ADTRDP)

Replace String	
Find What: %TLV(%TDTRD1 Replace With: %TLV(%TDTRD3	
 No Leading Charters No Trailing Charters 	 Entire Drawing C Selected Objects
OK	Cancel

Q&A: Tag "datalog" function and active and datalog trend are setup properly, but user can't see any trend in datalog trend

Suggestion:

Check "Data Log Dead Band" function in Tag Property.

It means enables Data logging to c:\webaccess\node\YOUR PROJECT\log folder by default when the tag value change exceeds 3% of the Data Log Dead Band configuration.

Log Data	● Yes ○ No
Data Log Dead Band	3 %
Write Action Log	● Yes ○ No