

File comparison in FTVersionTrak

The file comparison feature available in FTVersionTrak executes differently depending on whether WorkShop files (505WorkShop & Modicon) or standard files are compared.

a) between two WorkShop (505WorkShop or PLC WorkShop Modicon) files:

In the first screen shot, the upper left pane displays a tree list of WorkShop program categories that can be compared. In this example, the "Logic" category is selected, and a list of networks from the two files being compared appears on the right. Networks that are different between the two files are highlighted with blue and yellow backgrounds (users can change these background colors).

FTVersionTrak 505 Program Com	iparison Results	
Show All Show Different Only	🕈 Previous Difference 🛛 🕹 Next Difference 🛛 🤫 Choose Color	🛐 View Logic 🖄 AutoFit Columns 📔 Generate Report
Compare	File 1	File 2
Logic	Ladder	
- PLC Configuration	Network 1	Network 1
-XY Registers	Network 2	Network 2
Control Relays	Network 3	Network 3
	Network 4	Network 4
WXY Registers	Network 5	Network 5
V-Memory	Network 6	Network 6
K-Memory	Network 7	Network 7
- TCP	Network 8	Network 8
I −1/0	Network 9	Network 9
- Profibus I/O	Network 10	Network 10
Forced I/O	Network 11	Network 11
Sequencer Scan Time	Network 12	Network 12
Alarms	Network 13	Network 13
v	Network 14	Network 14
	Network 15	Network 15
🖃 🔻 Logic	Network 16	Network 16
	Network 17	Network 17
É-Ÿ SFP	Network 18	Network 18
	Network 19	Network 19
	Network 20	Network 20
	Network 21	Network 21
	1 · · · · · · · · · · · · · · · · · · ·	
File 1:\$/505 WorkShop/Dumper Forge.fs	[7] File 2:\$/505 WorkShop/Dumper Forge.fss[9]	

Double click one of the different networks in the list on the right, and the window in below screen shot appears. FTVersionTrak highlights the actual differences in ladder logic, documentation, data, configuration, etc. in a split-screen window. The actual differences in the logic are displayed in red on a darker background.

FasT	rak Files Logic	Viewer				×
9	🤫 100%	▼ Different		Show Headers	Show <u>T</u> ags and Des	criptions 🔲 <u>S</u> ynchronized Scrolling
File	1: \$/505 Works	hop/Dumper Forge.f:	ss[7] [Network 21] -			
IF	¥135		¥130	1 SEC TIMER	81	
				PRESET:	30.0	
	¥135		Y130			
			-1	STATUS:	UNPROT	
l I						
File	2: \$/505 Works ¥135	hop/Dumper Forge.f:		1 SEC TIMER		
IH	1		-	TC:	81	
				PRESET:	30.0	
IH	¥135		¥130 	STATUS:	UNPROT	

b) between two non-WorkShop files

In addition to WorkShop files, FTVersionTrak can store any type of file. The same check in/check out, file-locking, date/time/user stamp, history, and other capabilities are available for non-WorkShop files. But FTVersionTrak does not yet display detailed split-screen comparisons for non-WorkShop files.

Instead, FTVersionTrak simply states that the two compared files are either identical, or are different. For example, the attached screen shots illustrate how FTVersionTrak compares identical and different versions of a Microsoft Word document file.

Hi	story of s	\$/Documents/l	orem Ipsun.	n.doc				<u>? ×</u>
	Version	Username	Computer	Date	State	Comment		Close
	5	FASTRAK\jeffg	JEFFG2800	11/5/08 2:21PM	Initial	no changes to this version		
	a	FASTRAK\jeffg	JEFFG2800	11/5/08 2:21PM	Initial	add mysterious characters		
	📄 З	FASTRAK\jeffg	JEFFG2800	11/5/08 2:20PM	Initial	add exotic locations		Compare
	2 📄	FASTRAK\jeffg	JEFFG2800	11/5/08 2:19PM	Initial	add unexpected plot twists		
	1 🗎	FASTRAK\jeffg	JEFFG2800	11/5/08 2:18PM	Initial	original version of Ipsum Lorem		⊻iew
		FTVersionTrak Comparison Result						<u>G</u> et Sign Rollback
								<u>P</u> roperties Rep <u>o</u> rt
I	Show Labels Show Electronic Signatures							

History o	f \$/Documents/I	Lorem Ipsun	n.doc			<u>? ×</u>		
Versio	Username	Computer	Date	State	Comment	Close		
1 5	FASTRAK\jeffg	JEFFG2800	11/5/08 2:21PM	Initial	no changes to this version			
4	FASTRAK\jeffg	JEFFG2800	11/5/08 2:21PM	Initial	add mysterious characters			
3	FASTRAK\jeffg	JEFFG2800	11/5/08 2:20PM	Initial	add exotic locations	Compare		
2 📄	FASTRAK\jeffg	JEFFG2800	11/5/08 2:19PM	Initial	add unexpected plot twists			
1	FASTRAK\jeffg	JEFFG2800	11/5/08 2:18PM	Initial	original version of Ipsum Lorem	⊻iew		
	FTVersionTrak Comparison Result Image: The files contain different binary data.							
						Properties Report		
Show Labels D Show Electronic Signatures								

FasTrak evaluates the possibility of offering the detailed compare functionality also for other files than 505Workshop and Modicon, however no firm plans are available at present.