

Abstract:

In our programming experience, we must have come across 1) situations where programmers must have saved copies of previous versions of the programs as a back-up encompassing snapshots of the programs at various deliverables and 2) different copies of the programs worked on by different programmers gets saved as a back-up to reference for later period. This is a programming hoarders safe-haven and a pragmatic programmer's nightmare. In the long run this will cause an unmanageable number of files to keep track of with no traceability of the updates between each copy of the programs. As a solution to this challenge, in this poster we will show how with the use of version control, and with the proper versioning of programs we can tackle these situations. We will also discuss some great features available to us through version control tools which can be of immense help to the end-users.

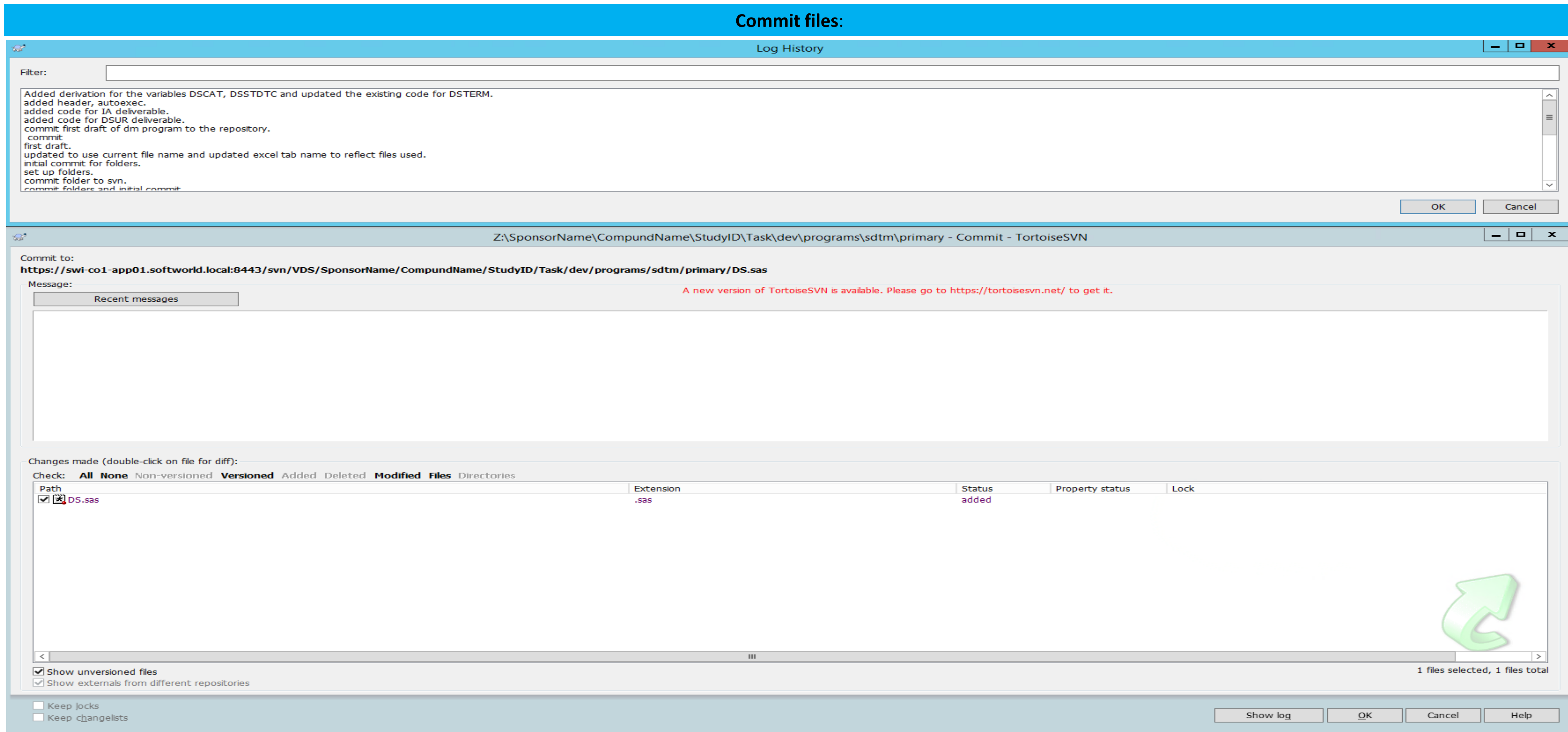
Requirements:

a) Ability to provide the history of changes to any information on a file/document including the author, date, time, and written notes on the purpose of each change. b) Ability to revert changes to a previous revision. c) Ability to manage changes to any information on a file/document (addition, modification and/or deletion).

Uncontrolled programming environment:

Hoarders > HeapOfProgrammingGarbage				
☐	Name	Date modified	Type	Size
	New folder	1/22/2023 12:06 PM	File folder	
is	DM	1/22/2023 11:37 AM	SAS System Progr...	1 KB
aces	DM_Dawn	1/22/2023 11:37 AM	SAS System Progr...	1 KB
	DM_DSUR	1/22/2023 11:37 AM	SAS System Progr...	1 KB
	DM_IA	1/22/2023 11:37 AM	SAS System Progr...	1 KB
	DM_MayWantThisCopy	1/22/2023 11:37 AM	SAS System Progr...	1 KB
	DM_John	1/22/2023 11:37 AM	SAS System Progr...	1 KB
	DM_Shaun	1/22/2023 11:37 AM	SAS System Progr...	1 KB
	DM_Vaughn	1/22/2023 11:37 AM	SAS System Progr...	1 KB
	Test	10/1/2021 8:09 AM	SAS System Progr...	1 KB

Version control key functionalities:

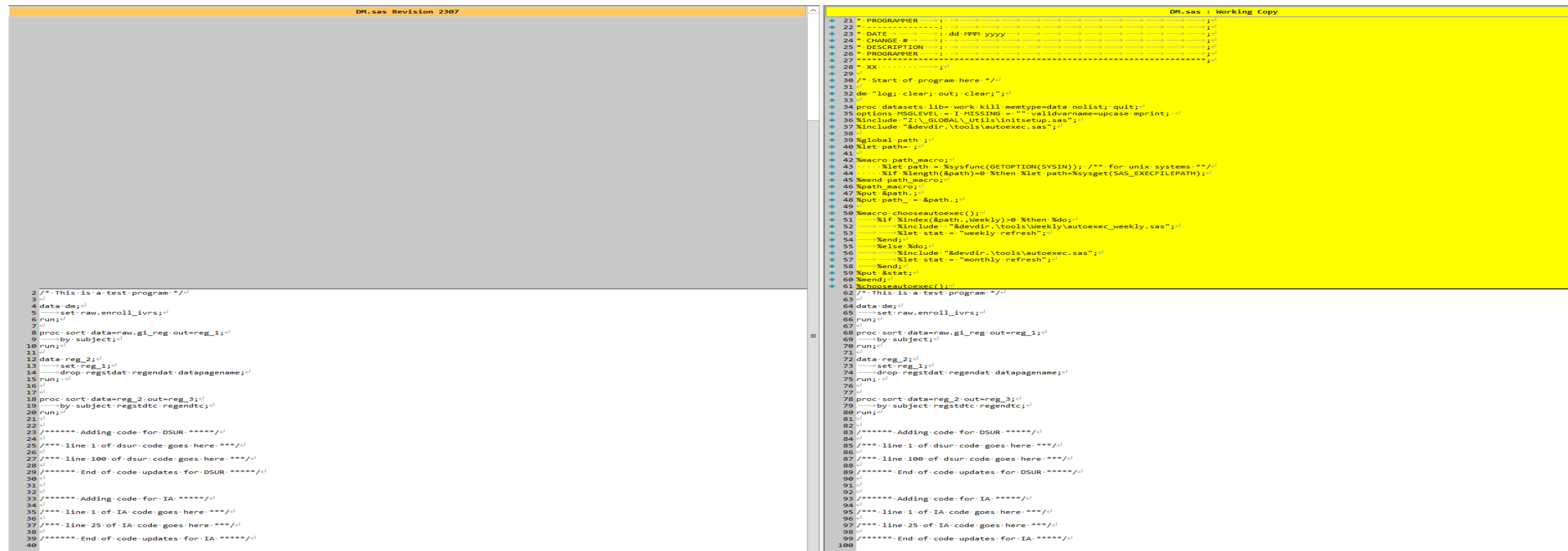


Show modification log:

Filter by Messages, Paths, Authors, Revisions, Bug-IDs, Date, Date Range				
Revision	Actions	Author	Date	Message
2308		SRamakrishnan	Sunday, January 22, 2023 12:33:52 PM	added header, autoexec.
2307		SRamakrishnan	Sunday, January 22, 2023 12:19:02 PM	added code for IA deliverable.
2306		SRamakrishnan	Sunday, January 22, 2023 12:16:33 PM	added code for DSUR deliverable.
2305		SRamakrishnan	Sunday, January 22, 2023 11:39:08 AM	commit first draft of dm program to the repository.

Path	Action	Copy from path	Revision
Z:\SponsorName\CompundName\StudyID\Task\dev\programs\sdtn\primary\DM.sas	Modified		

Compare between versions:



Version controlled programming environment:

is PC > Clients (\SWI-C01-APP01) (Z) > SponsorName > CompundName > StudyID > Task > dev > programs > sdtn > primary				
☐	Name	Date modified	Type	Size
☐	DM	1/22/2023 1:31 PM	SAS System Progr...	3 KB
☒	DS	1/22/2023 12:06 PM	SAS System Progr...	0 KB



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