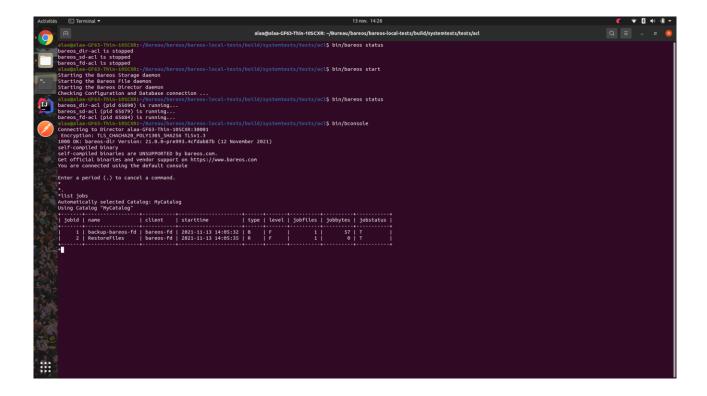


Task Solutions for Bareos Technical Test By the candidate Alaa Mzoughi

1/

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2/

I would improve the performance of the setdebug command by making the program itself asking for enabling a trace as well as asking for debug level and daemon So when the user executes setdebug without passing arguments or without passing the trace argument , The command line will ask the user to input a trace , and if he inputs a negative trace (Trace<0) the command line will ask him to input a positive integer

3/

The Function that handles this functionality is:

SetdebugCmd

located in the file "core/src/dird/ua_cmds.cc"

and it calls the functions

DoAllSetDebug

DoDirectorSetdebug

DoClientSetdebug

DoStorageSetdebug

4/

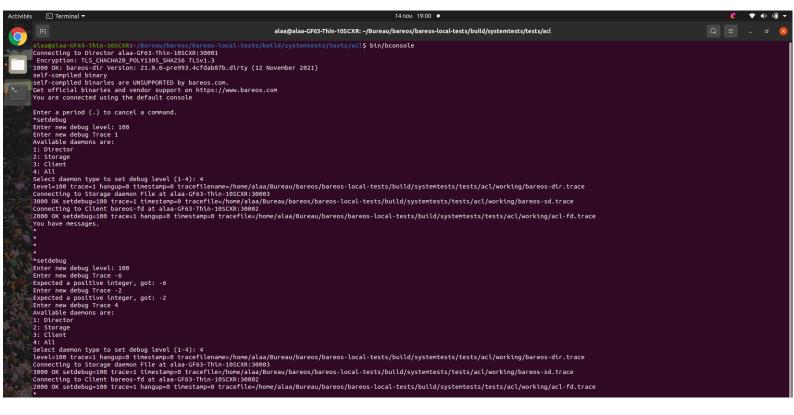
In order to apply my solution described in Question /2, I will modify the setdebugCmd Function to ask the user to pass the Trace argument like the other arguments (Debug level and daemons), so in case the user dosen't specify the trace, automatically he will be asked to input it Also if the user passes a negative number as a trace, the command line will display: Enter new debug Trace and it will repeat that until the user enters a number (0 or positive number) P.S: The only case that the file would not be created is if the client himself fixes the trace as 0

5/

Test Cases:

case 1: Setdebug executed without mentionning the trace

case 2: Setdebug executed with a negative trace then executed with a positive trace



6/

When a user tries to determine the built version and he is not installing GIT, An error occurs So I would suggest to return "Git Not installed Try installing Git "and give him the command to do so: "apt install git" to avoid any problems for the user trying to understand the cause of failing 7/

The work (Source Code) has been pulled to <a href="https://github.com/bareos/ba