PLCnext

Linux Commands

Erase SD Flash Card

1061701

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1. Overview

1. SD Flash Card 8GB PLC Next Memory (1061701)

2. PLC Next AXC F 2152 (2404267)

3. Putty

2. General Information

1. Putty needs to be loaded on your computer.

2. PLC Next Engineer software.

2. Instructions

1. Turn off power to PLC Next then insert the flash card into the PLC.

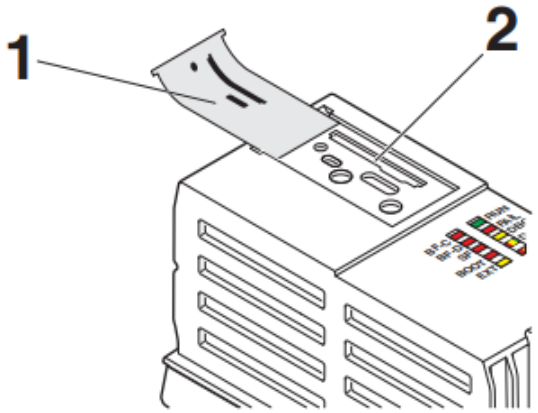
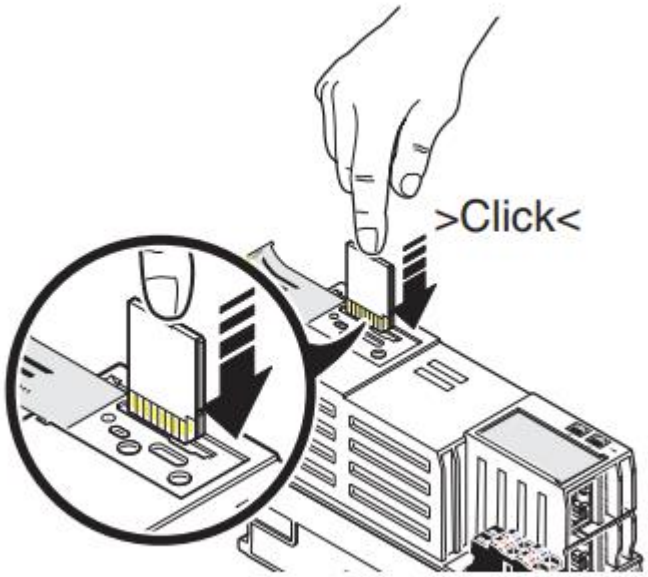


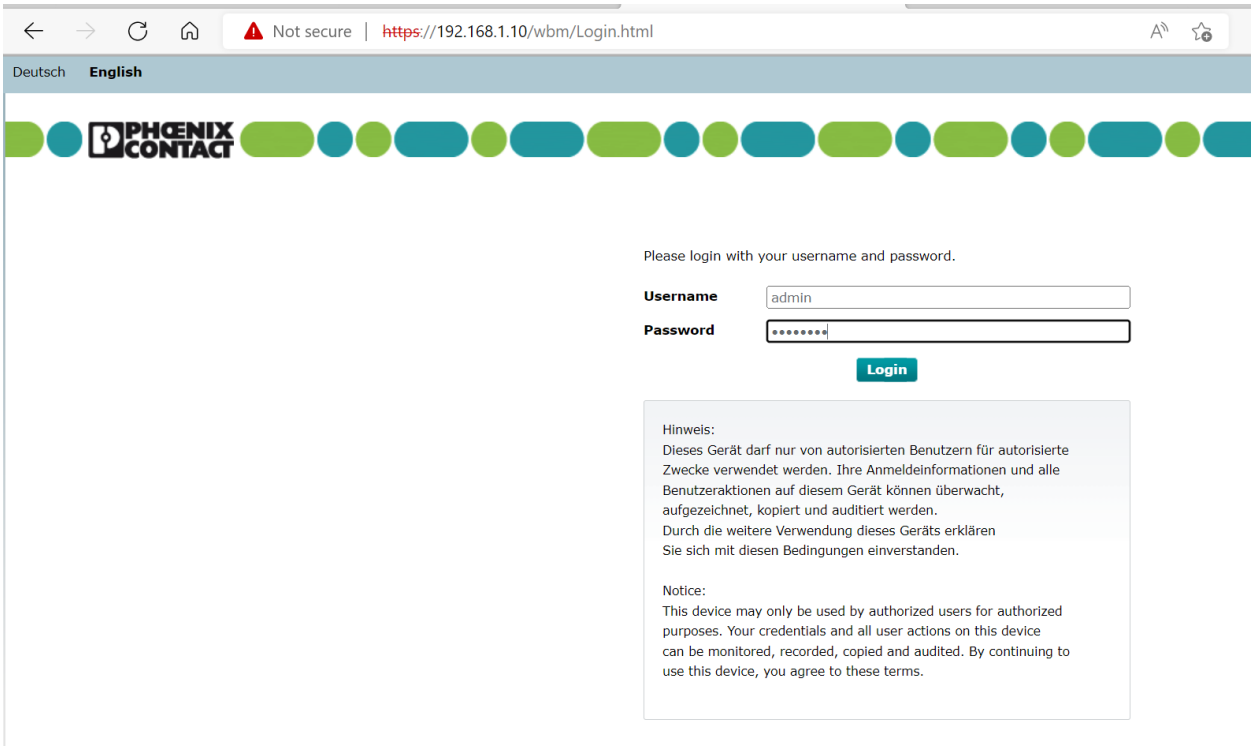
Figure 4-8 Removing the upper marking field of the AXC F 1152 and AXC F 2152



AXC F 1152 and AXC F 2152

2. Power up the PLC Next

3. Log Into the PLC Next Web page (WBM) and verify if there is a current program on the controller. IP address example 192.168.1.10\wbm
Then log in with Usename and Password

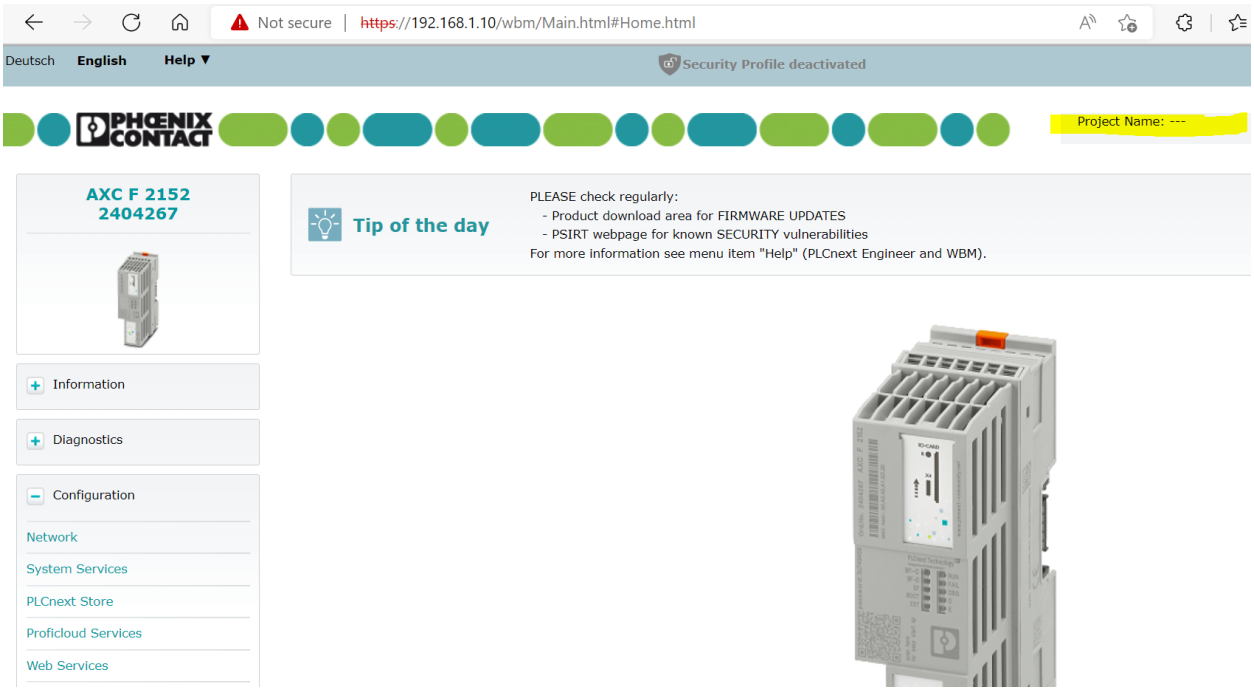


4. When you have logged into the Webpage you will need to look at the top right of the page to find out if there is a project. (This step is not required but useful because if there is a project then you can come back and check to make sure the SD erase process worked)

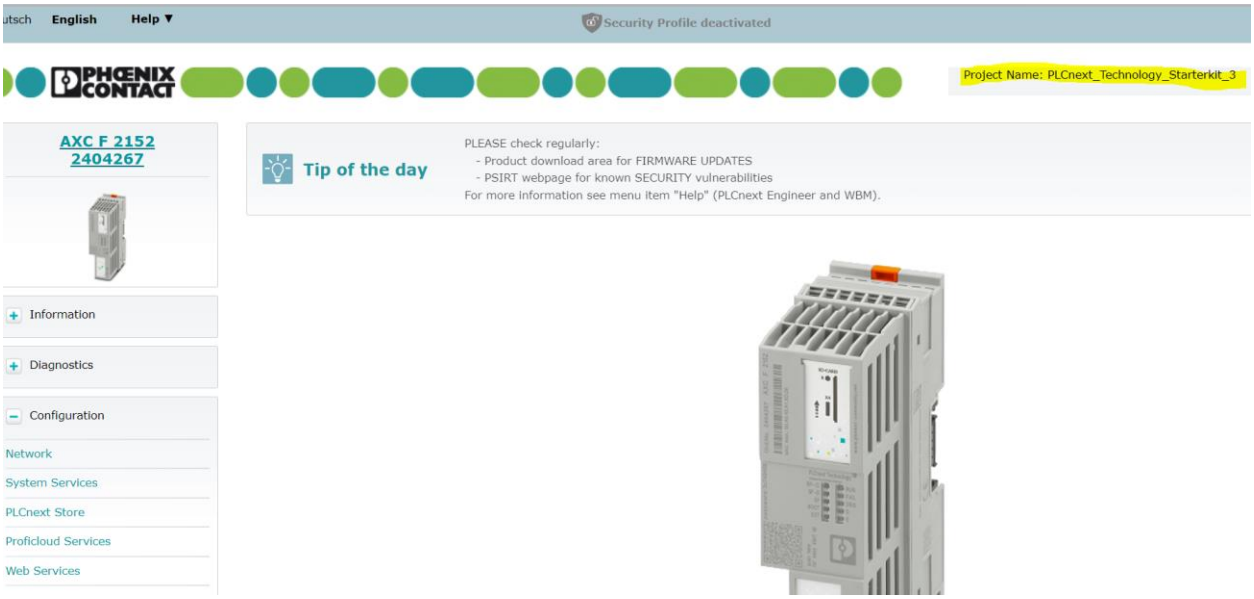
Project Name:- - - - (No project)

Project Name:Test123 (Project on Flash)

See Below

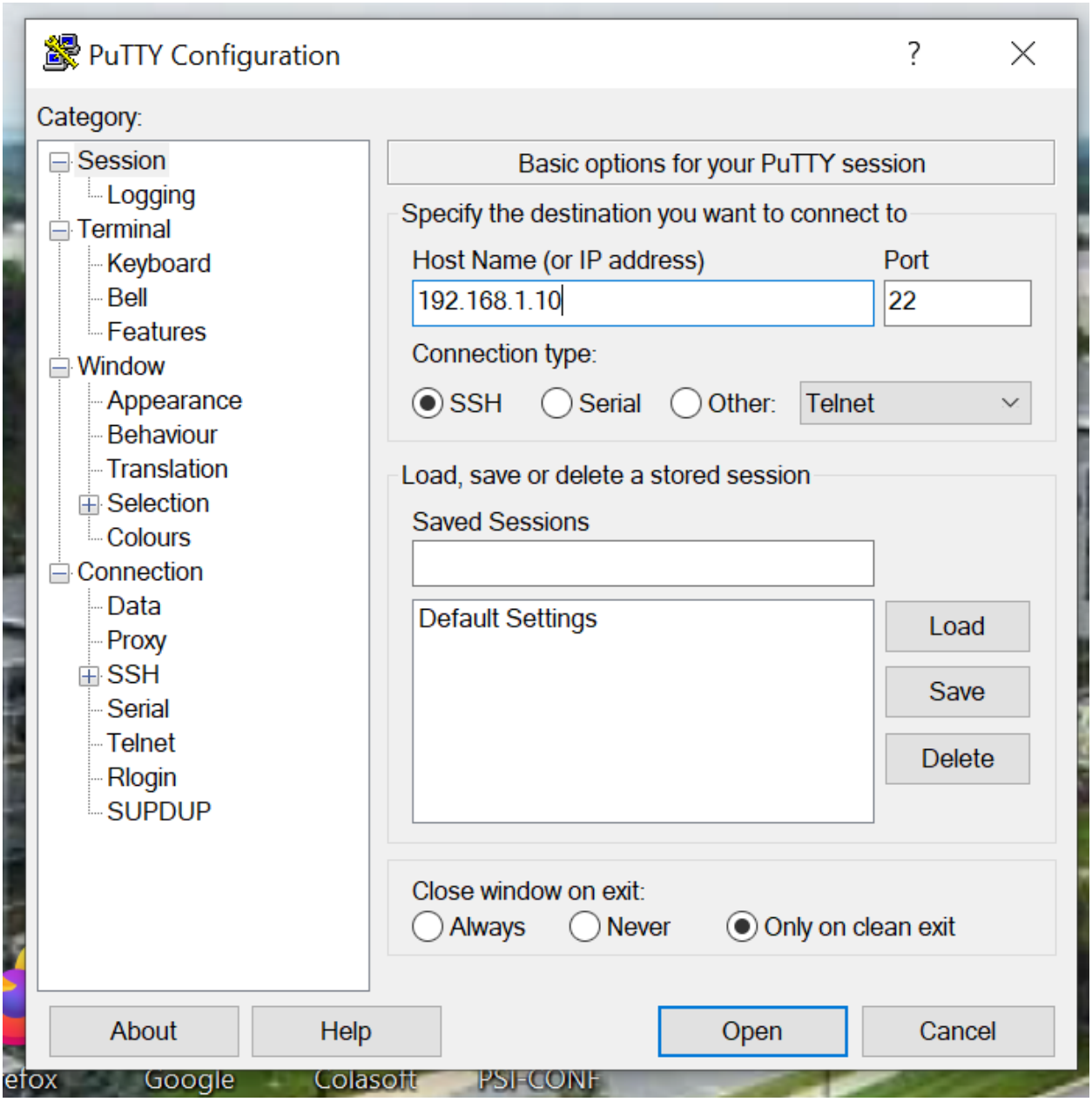


No Project



Current Project PLC_Next_Technology_Starterkit_3

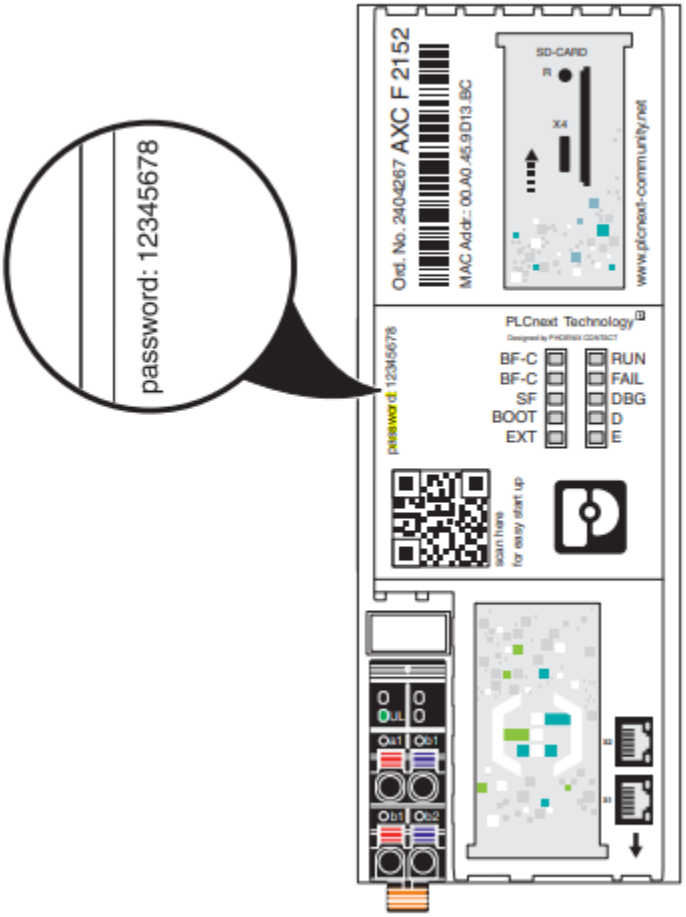
5. **Now you will need to run Putty (or some other)**



Enter IP address of your controller and then Enter.

Then the shell window will appear and you need to log in.
login as: admin
password: (Is located on front of the controller.) See below

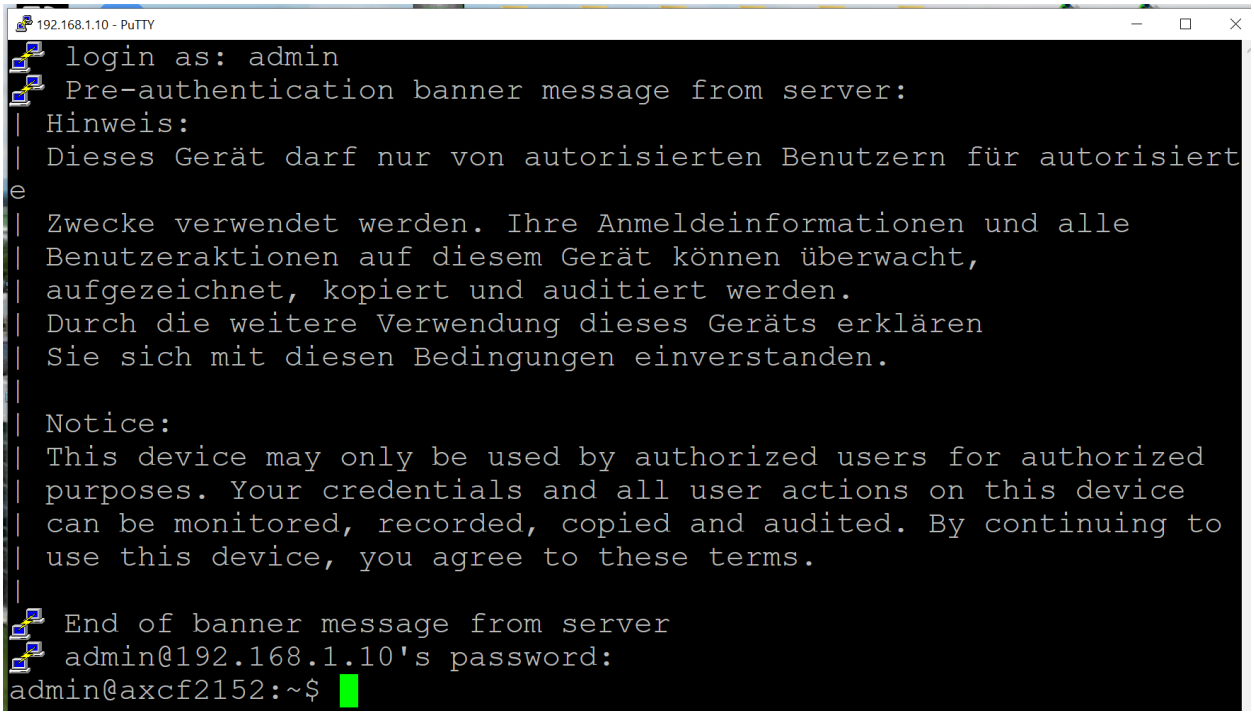
NOTE: as you type the password it will not show on the screen. Just type is and then enter.



AXC F 1152 and AXC F 2152

You should be logged into the controller as below.

admin@axcf2152:~$
e



Now you will have to setup root user and password.

Type in (sudo passwd root) then enter

admin@axcf2152:~$ sudo passwd root

Password: (this password is the one on front of controller)

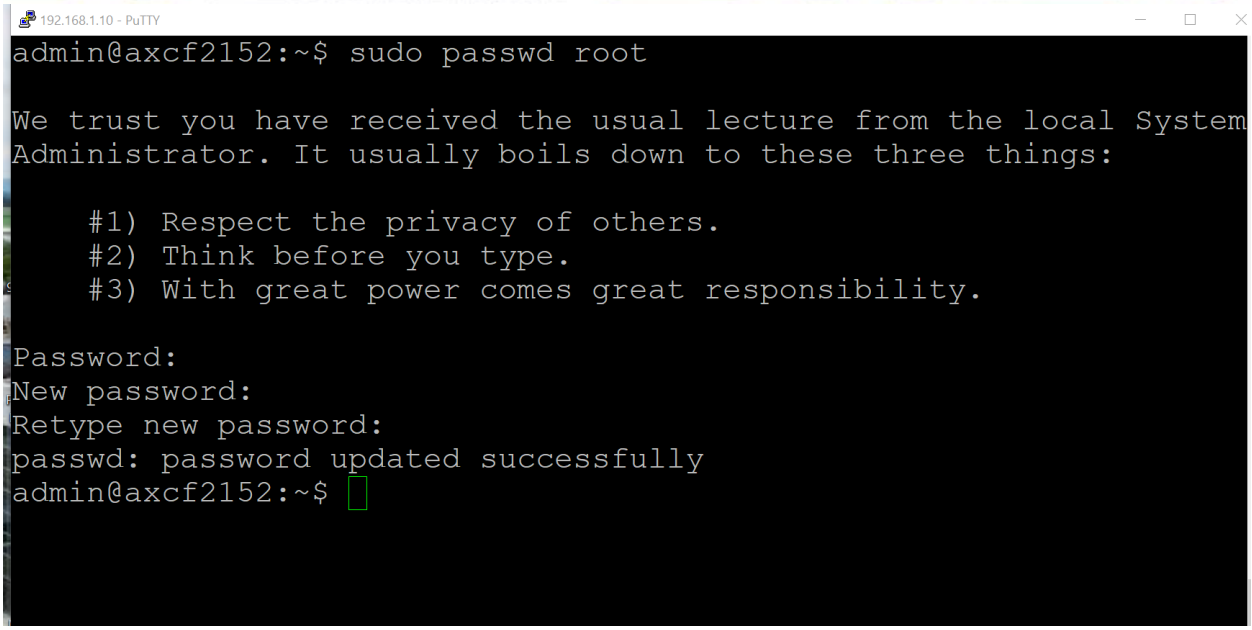
New Password: (this is the root user password) Example private

Retype new password: (this is the root user password) Must match above password.

You should get this return

passwd: password update successfully

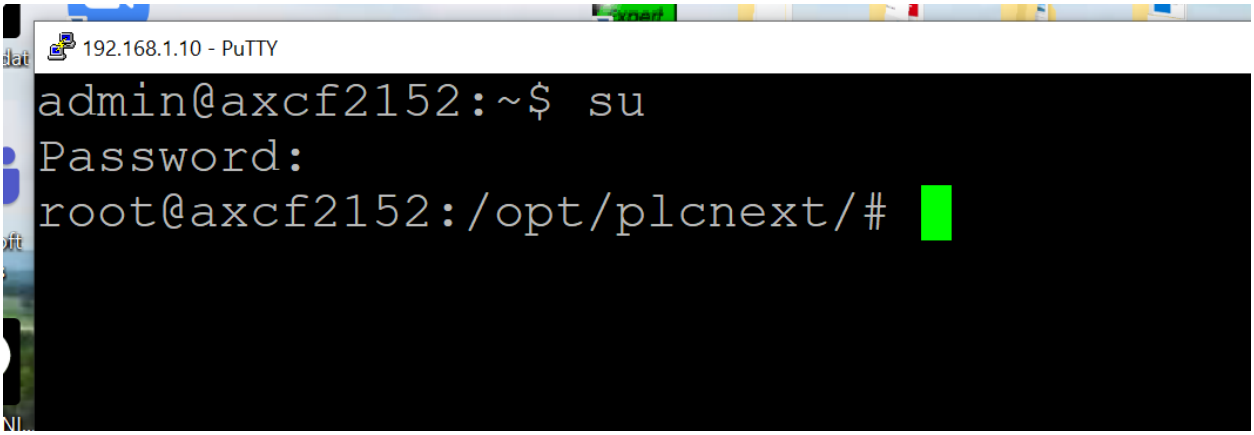
admin@axcf2152:~$ (you are still logged in as admin. Now you need to Login as root)



Now to login as root user.

Type this (su enter then the password you just made)

You will see you are logged in as root



Now we will go to the Flash files below.

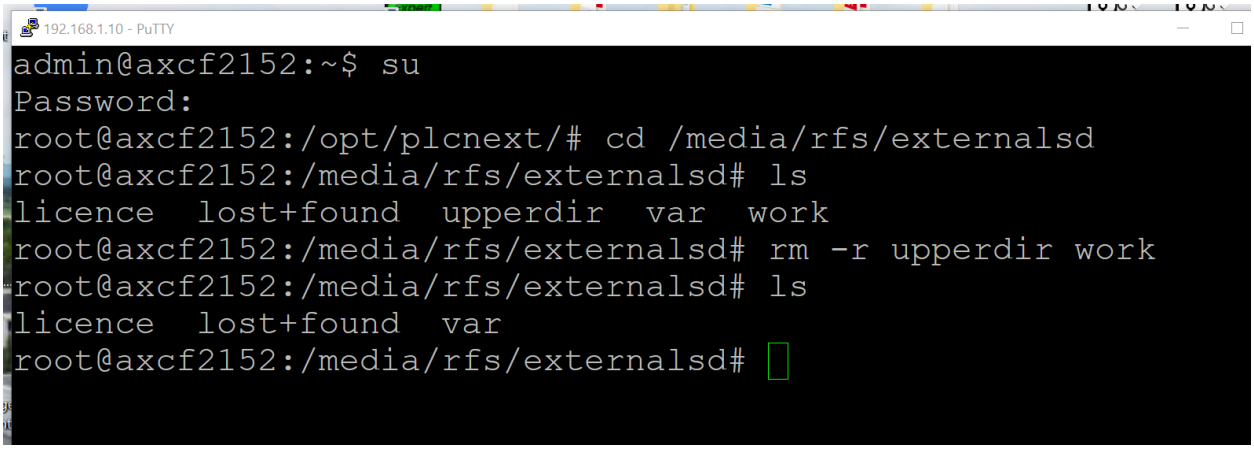
First we go to the correct directory. (cd /media/rfs/externalsd)

We do ls cmd to list files. We are looking for upperdir and work

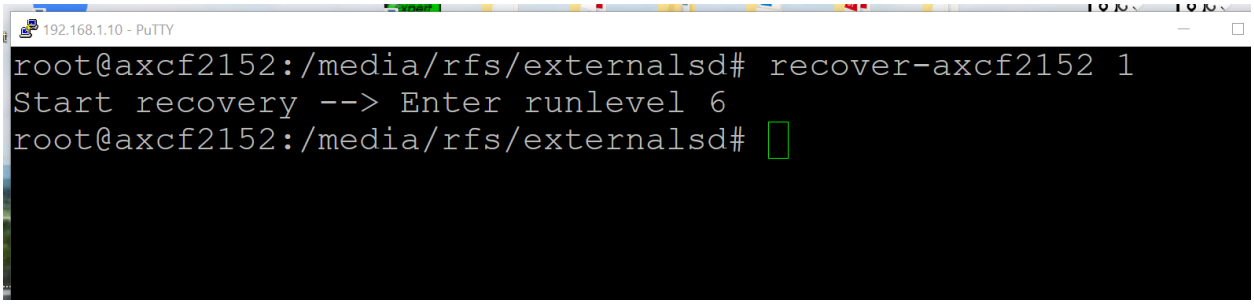
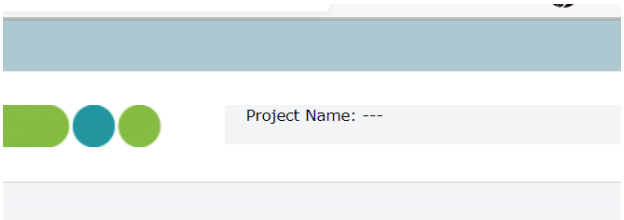
Then we do the remove cmd to delete upperdir and work

cmd rm -r upperdir work

Then we do another ls cmd to list the files to make sure upperdir and work have been removed.



Now you need to do a Reboot command

Cmd (recover-axcf2152 1) (The 1 is for Type 1 reset)

Your controller will do a reset and your flash card is now clean. You can also log back into the controller WBM to make sure your program is gone.