

Tasks for Lab assignment 2: hardening user accounts

- 1 Disable direct root login, both Display Manager and all virtual terminals (accessible with HOST+F? ... on a virtual machine) except `ttty3`
- 2 Using the module `pam_wheel.so` allow only user001, user002, user003 and user004 to become root via the `su` command, user003 does not need to know the password, user001 user002 and user004 would need the password to become root. The rest of the users will not even be asked for the password

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- 3 What crypting method is used for the passwords? Has the same method been used all the passwords in the system?. We want to use sha256 and change all the users (user000) passwords to this (sha256) method
- 4 Force the following password requisites for password changes
 - at least 10 characters
 - must contain upper and lowercase
 - must contain at least two digits
 - must contain at least one non alphanumeric character
 - must no be one of the last three passwords used

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- 5 user010 **CAN ONLY** execute `ls` and `rm`, `vi` and `wc`. Explain clearly all that has been done so that he/she cannot revert the situation
- 6 user020 can manage filesystems in the system by running the `fdisk`, `mkfs`, `mount`, `umount` programs
- 7 any user in the system can execute anything as user010, providing his/her own authentication
- 8 any member of the group `adm` can perform any administration task without being prompted for a password

Lab Assignment 2: Work submission

- After performing the corresponding tasks of the lab assignment, a pdf document, describing what has been done (including screenshots showing the behaviour of the virtual machine, changes made to configuraton files, output from commands. . .) should be sent to
 - antonio.yanez@udc.es. (students at udc)
 - yolanda@det.uvigo.es. (students at uvigo)
- The subject of the mail should be *FSO: practica-2*
- The attachment should be named with the lab assignment number and the surname and name of the student, in the form P2-Surname-Name.pdf, avoiding non-ascii caracteres (á, é, ñ . . .)
 - For example, for this lab assignigment, the work submitted by student *Donald Trump Núñez* should come as an attached file named P2-TrumpNunez-Donald.pdf to a mail with the subject *FSO: practica-2*
- The work must be submitted within 15 minutes of the end of the lab assignment class