Linux Platform 2	اسم المقرر
IOS305	رمز المقرر
F20	الفصل
م.عُلا حيدر	إعداد
26-04-2021	تاريخ التوزيع
20-06-2021	تاريخ الإعادة
1. الوظيفة فردية 2. التوزيعة المطلوبة يجب أن تكون Centos 7 أو أي توزيعة أحدث 3. يجب على كل طالب تنفيذ جميع الأسئلة وأخذ صورة عن التنفيذ وإضافتها لتقرير الوظيفة مع رقم السؤال الموافق لها. 4. يجب رفع الوظيفة على نظام LMS	ملاحظات

1. Change your hostname to be your student ID (student_123).
2. Set the grub in your system to show system recovery entries in the grub menu. And verify the result.
3. Display the current system target, and change it into the rescue target.
4. List all installed modules on your system kernel, check the "sd_mode" module status. If it's loaded, can we remove it?
5. Create a new user with the following details and verify your creation:
    a. username is your student ID (student_123), UID is 2222.
    b. A built in folder named "my-files" in its home directory.
    c. The user should be a member in a group called "IOS305" with GID 2222.
    d. The user should be sudo
6. Login with the new user and display a welcome message which shows the user ID and the group ID beside the current date and time in the format: 01-05-2021 22:00

7. Create a new folder "/doc" with the following details:
    a. Owner and group have full permissions, others have read only permission.
    b. Deny any user from deleting a file that he does not own.
    c. Configure an ACL on this folder that gives the user (you previously created) a read/write permissions, verify your command.
    d.   Configure an ACL rule to give read/write permissions to the group "IOS305" (you previously created) on any newly created files or directories in the /documents directory, verify your command.
8. The administrator wants to operate ssh service on this machine with port 2222, which should be available all the time.
    a. Prepare this service with this setting.
    b. What are the required steps to accomplish network settings (including firewall rules and security SELinux configurations)?
    c. Test the service.

Question number	Marks
Q1	5
Q2	10
Q3	7
Q4	8
Q5	20
Q6	10
Q7	20
Q8	20
Total	100