DITISS

COSA - Linux

Assignment

1. Install Rocky Linux on a VM and configure hostname as ditiss1. Assign IP address 192.168.10.1.
2. Attach a hard disk of 20 GB and create 2 partitions. The first partition is of 12GB and second partition of 8 GB. Format the partitions using ext4 file system. Mount the first partition in /faculty directory. Mount the second directory in /students directory.

Go to these directories and create 10 files using {1..10} option.

1. Now restart the server. After restart login and check if the above files are visible.
2. Add /etc/fstab entry for the above partitions. Now restart the system and check if the data is visible.
3. Now remount these partitions as read only. Try to create files inside them.
4. Mount them again as read write. Try to create a files inside these directories.
5. Unmount these partitions. Using fdisk delete the partitions. Restart the system.
6. Recover from the maintenance mode.
7. Change the umask value for root. Create new file and directory and check the permissions.