DITISS

COSA - Linux

Assignment

1. Phoenix is a software company. Users Jack and Jill are working in the sales department. User Sam is the manager of the sales department. All the data of the sales department needs to be stored in the /sales directory. Make sure the Sam user is the owner of the /sales directory. The users Jack and Jill should be able to create, delete files inside /sales directory. No other department users should be able to access the files inside the /sales directory.

The users Tom and Jerry work in the development department of the company. The data of the development directory needs to be stored in the /software directory. User Micky is the manager of the development department. Implement the similar permissions as above for the development department. Make sure no other department user can access the /software directory.

1. Attach additional 2 20 GB hard disks to the virtual machine. Start the virtual machine. Create a volume group by name ditiss by adding 2 20 GB hard disk into it so it will be of 40GB. In this volume group create 2 Logical volumes. First logical volume will be of size 10 GB. The other logical volume will be of 15GB size. Format both the logical volumes with ext4 file system. Mount the first logical volume under the /mnt/linux directory. Mount the second logical volume under /mnt/win folder.

Now add the remaining third 20 GB hard disk to the volume group ditiss to increase its size from 40GB to 60GB. Also increase the first logical volume size from 10GB to 25GB.

Next reduce the second logical volume by 5 GB to make it 10GB.