

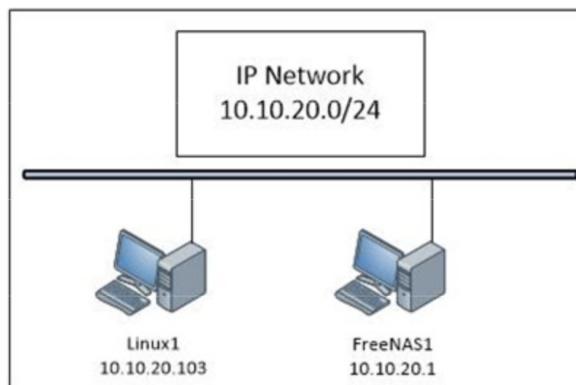
Setting Up NAS Storage Using FreeNAS

Objectives

Configure FreeNAS for Content Storage and Management

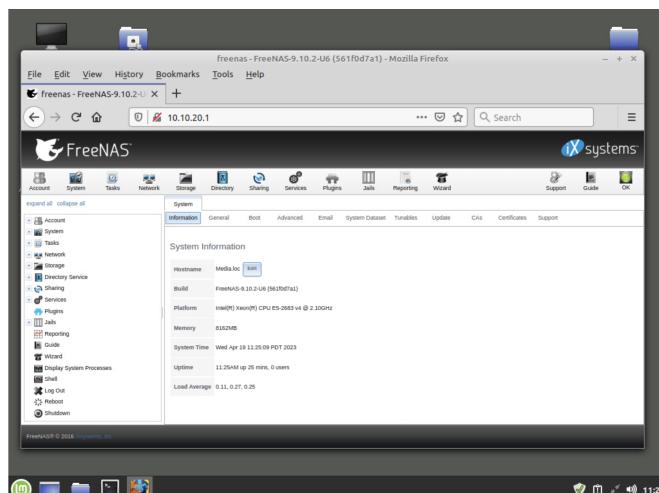
- Setup Users and Groups
- Setup Volumes using different RAID configurations
- Build Datasets inside Volumes
- Setup SMB Services and setup shared folders
- Access shared folders from client operating systems

Topology & Lab Settings

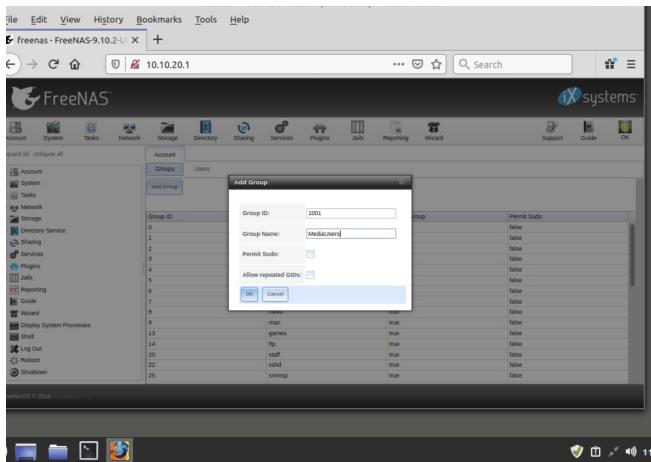


Virtual Machine	IP Address / Subnet	Account	Password
FreeNAS1	10.10.20.1 / 24	root	Password1
Linux1	10.10.20.103 / 24	Admin	Password1

Lab



1. Logged in using FreeNAS1 root credentials
2. Changed Hostname



1. Created Group

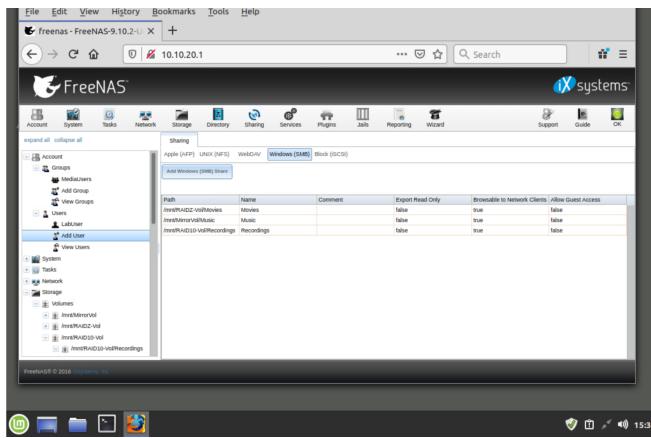
1. Created first User

1. Added 3 Volumes to storage (IoT)

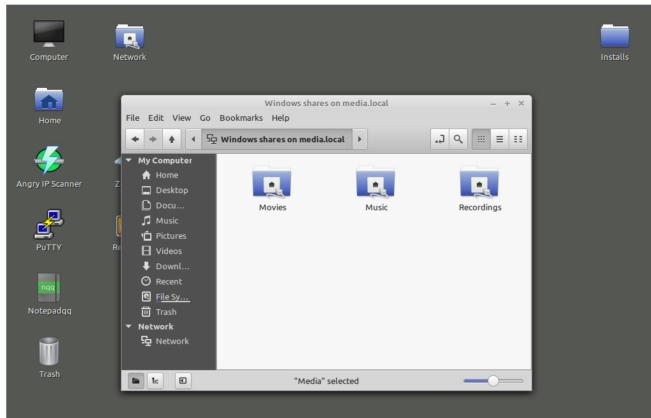
- Mirrored Vol using 2 disks
- RAID-Z Vol using 3 disks
- RAID10 Vol using 4 disks

1. Added Datasets to each Volume

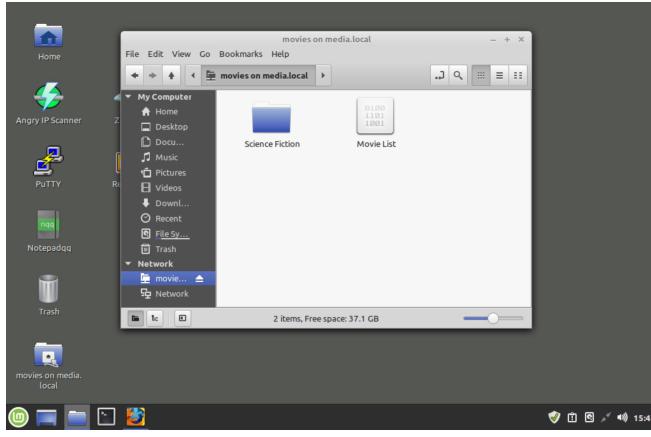
- Music -> MirrorVol
- Movies -> RAID-Z
- Recordings -> RAID10



1. Setup SMB services & shared folders



1. Tested access to FreeNAS server
2. Verified the created folders



1. Accessed Movies folder using credentials
 - a. Username: LabUser
 - b. Password: Password1