**1 VM ( X Is Your Foundation Number )**

**station1.domain15.example.com 172.24.X.5(Hostname need to set) # [system1.group11.example.com]**

**station2.domain15.example.com 172.24.X.6**

**DomainX.example.com 172.24.X.0**

**Netmask 255.255.255.0**

**Gateway 172.24.X.254**

**DNS 172.24.X.254**

**Set Root password of beta.domainX.example.com as redhat.**

**eg:**

**Password for alpha.domainX.example.com is redhat**

**Task for alpha.domainX.example.com**

**Network Setup**

**Alpha.domainX.example.com 172.24.X.5**

**Netmask 255.255.255.0**

**Gateway 172.24.X.254**

**DNS 172.24.X.254**

**2 . Create default yum Repos**

**Repo1link………..[Additinal configuration ]**

[**http://utility.lab.example.com/—/—--/BaseOS**](http://utility.lab.example.com/%E2%80%94/%E2%80%94--/BaseOS)

[**http://utility/**](http://utility/)**—----------------------------/AppStream**

**#nslookup utility**

[**http://utility.lab.example.com/—/–/AppStream**](http://utility.lab.example.com/%E2%80%94/%E2%80%93/AppStream)

**Repo2link………...**

**4 . Create a directory /home/ records**

**Change the group owner to sysadmin**

**Owner & group should have full permission. Others should not have permission.**

**All file & folders under the folder should have same group owner as sysadmin**

**3. User management:**

**Add a Group sysadmin # groupadd sysadmin**

**Useradd natasha as secondary group sysadmin #useradd -G sysadmin natasha**

**Useradd harry as secondary group sysadmin # useradd -G sysadmin harry**

**Useradd sarah not a member of the sysadmin and non active login shell # useradd -s /sbin/nologin sarah**

**Password for all must be postroll.**

**5. Station would configure the automounter such that ldapuserX[x is station no : 13] / Remoteuser home directory /home/guests/ldapuserX gets mounted automatically upon login. The NFS share would be classroom.example.com:/home/ldapuserX.**

**6. Locate all file of user natasha on your system and save the list of all files in /var/resultdir**

**7. The user Natasha must configure a cron job that runs daily at 06:25 local time and executes /bin/echo “Hello Test”**

**9. Copy the file /etc/fstab to /var/tmp. Configure the permissions of /var/tmp/fstab so that:**

**· the file /var/tmp/fstab is owned by the root user.**

**· the file /var/tmp/fstab belongs to the group root.**

**· the file /var/tmp/fstab should not be executable by anyone.**

**· the user natasha is able to read and write /var/tmp/fstab.**

**· the user harry can neither write nor read /var/tmp/fstab.**

**· all other users (current or future) have the ability to read /var/tmp/fstab.**

**10. Configure your system so that it is an NTP client of classroom.example.com [chrony ][utility.group10.example.com]**

**Ntp server—---> client**

**11. Create a user joe on your system which hass [no login to your system having user id to 1088. With the password postroll.**

**# if no login : -s /sbin/nologin should be used**

**# if no login is not mentioned then [-s /sbin/nologin should not be used] should not be mentioned**

**12. Create a /root/etc.tar file which will take a gzip /[bzip2 l] backup of /etc**

**13. Find the word ich from the file given in the /usr/share/dict/words and copy those lines to /root/result.txt**

**14. Apache Service is not responding on port 18989/tcp on alpha.domainX.example.com. Make system can listen on port 18989/tcp.[httpd installed ; already entry in the conf file ; chk firewall entry]**

**Conf + selinux port +firewall**

**15 .Write shell script name myshare for finding files less than 10Mb and havinacross reboot**

**Q17g suid set in /usr and save list of files in /root/filelist . place myshare shell script under /usr/local/bin.**

**OR**

**There is group called elite. All user of elite should have access to execute command as root and password should not be asked while executing any commands**

**Extra:**

**All upcoming users should have password expiry after 45days.**

**Umask :**

**Dir : rwx- - - - - - x :701 : 777-701=076 umask :**

**File :**

**User: natasha: /home/natasha/.bashrc : —> umask 076**

**#Q16**

**● Create a container logserver from an image rsyslog[httpd ] in node1 From registry.lab.example.com**

**● Configure the container with systemd services by an existing user “Walhalla”,**

**● Service name should be container-logserver, and configure it to start automatically**

**● Configure your host journal to store all journal across reboot**

**● Copy all \*.journal from /var/log/journal and all subdirectories to /home/Walhalla/container\_logserver ● Configure automount /var/log/journal from logserver (container) to /home/walhalla/container\_logserver when container starts.**

**System 2**

**1 Create default Repo**

**Repo1link………..**

**Repo2link………...**

**2. Resize the logical volume “xyz” 830MB . accepted value range [810-850M]**

**# lvscan**

**#lvextend -L 810M /dev/vg0/xyz**

**#resize2fs /dev/vg0/xyz**

**#check**

**#lvscan ; df -h**

**4. Create a new swap partition of 750M and make it active on boot time.**

**5. Create the new logical volume “datastore” inside volume group “database” with the following keynotes –**

**The logical volume should be of 50extends # 50 \* 16= 800 + 50M=partition ~ 850M**

**Volume group physical extent size must be 16 MB**

**It should be mounted under /common/classes with ext4 /ext3/vfat(automount after reboot as well).**

**6. Create a VDO named vgrp using all available empty disks**

**Give xfs file systemc to the mapper /dev/mapper/vgrp**

**Mount it to /datadisk (mount must be available after reboot as well)**

**7. Change the Tuned profile to the appropriate profile as mentioned in Recommended.**