***ssh service***

openssh-client(ssh) ssh user@ip xshell/xftp

openssh-server(sshd) service ssh/sshd

***ftp service(linux)***

1.vsftpd(vsftpd) service vsftpd

ftp://user@ip ftp ip filezilla client

2./etc/vsftpd.conf

①local user

local\_enable=YES write\_enable=YES local\_umask=022(dir:755 file:644)

***user:/home/user***

②anonymous/ftp user

anonymous\_enable=YES write\_enable=YES anon\_upload\_enable=YES anon\_mkdir\_write\_enable=YES anon\_other\_write\_enable=YES anon\_umask=077(dir:700 file:600) anon\_root=/anon

***ftp:/var/ftp*** chmod 755 anon chmod 777 upload anon\_umask=022

***ftp service(windows)***

1.filezilla server

ftp://user@ip ftp ip filezilla client

2.filezilla server interface-edit

group/user home\_folder(aliases)+permission

user\_name:anonymous

***NFS service(linux)***

1.rpcbind nfs-utils(centos) nfs-kernel-server(ubuntu)

2.service rpcbind service nfs-kernel-server service nfs

3./etc/exports /share-folder \*(rw,sync,no\_root\_squash)

/usr/sbin/showmount showmount -e ip/domain showmount -a ip/domain

/usr/sbin/exportfs exportfs -arv exportfs -auv

mount -t nfs ip:/share-folder /mount-point umount

***CIFS service(linux)***

1.samba samba-client samba-common

2./etc/samba/smb.conf

security=share(***nobody***) client lanman auth=yes client ntlmv2 auth=no

[share-name] path=/share-folder browseable=yes writable=yes guest ok=yes

/usr/bin/testparm service smb service nmb smbclient -L //ip smbstatus

*\\ip or \\ip\share-name(windows)* *mount -t cifs //ip/share-name /mount-point(linux)*

chmod 755 share-folder chmod 777 share-folder

***proxy service***

1.squid

2.service squid /var/spool/squid /etc/squid/squid.conf

acl acl-name src ip/netmask acl acl-name srcdomain .domain acl acl-name dst ip/netmask acl acl-name dstdomain .domain http\_access deny acl-name http\_access allow acl-name

***VNC service***

1.tigervnc-server tigervnc vnc4server xvnc4viewer

realvnc-VNC user+permission

2./usr/bin/vncserver vncserver :num -geometry resolution vncserver -kill :num

/usr/bin/vncpasswd vncpasswd

/usr/bin/vncviewer vncviewer ip:num

realvnc-VNC Viewer

***e-mail service***

1.mail system

mail server - mail-domain account@mail-domain password

dns server - MX record : mail-domain host-domain A record : host-domain host-ip

send protocol - smtp receive protocol - imap pop3

mail client

2.postfix + dovecot

yum postfix yum dovecot service postfix service dovecot

/usr/sbin/postfix postfix check /usr/sbin/postconf postconf -n

/usr/sbin/dovecot dovecot -n

/etc/postfix/main.cf - myhostname = host-domain myorigin = $myhostname(send) mydestination = $myhostname(receive) mynetworks = 192.168.1.0/24(rely) inet\_interfaces = all inet\_protocols = all

/etc/dovecot/dovecot.conf protocols = imap pop3

***iscsi service***

1.iscsi target

centos - scsi-target-utils ubuntu - iscsiarget

/etc/tgt/targets.conf (target-name+lun+device+account&password)

service tgtd

/usr/sbin/tgt-admin tgt-admin -show

2.iscsi initiator

centos - iscsi-initiator-utils ubuntu - open-iscsi

/etc/iscsi/iscsid.conf (account&password)

service iscsi /usr/sbin/iscsiadm

iscsiadm -m discovery -t sendtargets -p ip:port

iscsiadm -m node

iscsiadm -m node -T target-name --login/--logout

iscsiadm -m node -o delete -T target-name

***route/nat/bridge server***

1.interface - ip mask gateway dns dhcp

2.route table - destination genmask gateway interface metric

①0.0.0.0 0.0.0.0 (default route) ②192.168.67.0 255.255.255.0

3.command

windows - ipconfig route print route -p add destination genmask gateway metric num if interface route delete destination gateway

linux - route add -net destination netmask genmask gw gateway dev ethx route del -net destination netmask genmask

***IIS/ftp***

anonymous user/group - IUSR/users Everyone

***dns server***

zone - domain - a record cname record mx record ptr record

***vpn server + dhcp relay server***

***pppoe server***

***ssl(secure socker layer)***

server - private key

client - certificate(public key)

connect - session key