

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)

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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)

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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

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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 - iscsitarget

/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 socket layer)

server - private key

client - certificate(public key)

connect - session key