SAMBA

1- 1samba

Samba Linux

Windows Linux

Samba smb

Unix-like

SAMBA Linux Windows

Linux **windows**

samba windows samba

linux samba linux windows

samba

#/etc/rc.d/init.d/smb start

```
Telnet - flash.aasir.com
連線(C)  編輯(E)  終端機(T)  說明(H)
[root@flash chaiyen]# /etc/rc.d/init.d/smb restart
Shutting down SMB services: [  OK  ]
Shutting down NMB services: [  OK  ]
Starting SMB services: [  OK  ]
Starting NMB services: [  OK  ]
[root@flash chaiyen]#
```

samba


```
Telnet - flash.aasir.com

連線(C)  編輯(E)  終端機(T)  說明(H)

[root@flash chaiyen]# vi /etc/samba/smb.conf
```



```
root@flash:~

檔案  編輯  Settings  說明

     1 # This is the main Samba configuration file. You should read the
     2 # smb.conf(5) manual page in order to understand the options listed
     3 # here. Samba has a huge number of configurable options (perhaps too
     4 # many!) most of which are not shown in this example
     5 #
     6 # Any line which starts with a ; (semi-colon) or a # (hash)
     7 # is a comment and is ignored. In this example we will use a #
     8 # for commentry and a ; for parts of the config file that you
     9 # may wish to enable
    10 #
    11 # NOTE: Whenever you modify this file you should run the command "testpa
rm"
    12 # to check that you have not made any basic syntactic errors.
    13 #
    14 #======================= Global Settings =================================
======
    15 [global]
    16
    17 # workgroup = NT-Domain-Name or Workgroup-Name
    18    workgroup =workgroup
    19
    20 # server string is the equivalent of the NT Description field
    21    server string = Samba Server
    22
    23 # This option is important for security. It allows you to restrict
    24 # connections to machines which are on your local network. The
    25 # following example restricts access to two C class networks and
    26 # the "loopback" interface. For more examples of the syntax see
    27 # the smb.conf man page
    28 ;    hosts allow = 61.218.29.
    29
    30 # if you want to automatically load your printer list rather
```

檔案　編輯　Settings　說明

```
    31 # than setting them up individually then you'll need this
    32   printcap name = /etc/printcap
    33   load printers = yes
    34
    35 # It should not be necessary to spell out the print system type unless
    36 # yours is non-standard. Currently supported print systems include:
    37 # bsd, sysv, plp, lprng, aix, hpux, qnx
    38   printing = lprng
    39
    40 # Uncomment this if you want a guest account, you must add this to /etc/
passwd
    41 # otherwise the user "nobody" is used
    42 ;  guest account = pcguest
    43
    44 # this tells Samba to use a separate log file for each machine
    45 # that connects
    46   log file = /var/log/samba/%m.log
    47
    48 # Put a capping on the size of the log files (in Kb).
    49   max log size = 0
    50
    51 # Security mode. Most people will want user level security. See
    52 # security_level.txt for details.
    53   security = share
    54
    55 # Use password server option only with security = server
    56 # The argument list may include:
    57 #   password server = My_PDC_Name [My_BDC_Name] [My_Next_BDC_Name]
    58 # or to auto-locate the domain controller/s
    59 #   password server = *
    60 ;   password server = <NT-Server-Name>
    61 []
```

檔案　編輯　Settings　說明

```
    62 # Password Level allows matching of _n_ characters of the password for
    63 # all combinations of upper and lower case.
    64 ;  password level = 8
    65 ;  username level = 8
    66
    67 # You may wish to use password encryption. Please read
    68 # ENCRYPTION.txt, Win95.txt and WinNT.txt in the Samba documentation.
    69 # Do not enable this option unless you have read those documents
    70   encrypt passwords = yes
    71   smb passwd file = /etc/samba/smbpasswd
    72
    73 # The following is needed to keep smbclient from spouting spurious error
s
    74 # when Samba is built with support for SSL.
    75 ;   ssl CA certFile = /usr/share/ssl/certs/ca-bundle.crt
    76
    77 # The following are needed to allow password changing from Windows to
    78 # update the Linux sytsem password also.
    79 # NOTE: Use these with 'encrypt passwords' and 'smb passwd file' above.
    80 # NOTE2: You do NOT need these to allow workstations to change only
    81 #        the encrypted SMB passwords. They allow the Unix password
    82 #        to be kept in sync with the SMB password.
    83 ;  unix password sync = Yes
    84 ;  passwd program = /usr/bin/passwd %u
    85 ;  passwd chat = *New*password* %n\n *Retype*new*password* %n\n *passwd:
*all*authentication*tokens*updated*successfully*
    86
    87 # Unix users can map to different SMB User names
    88 ;  username map = /etc/samba/smbusers
    89
    90 # Using the following line enables you to customise your configuration
    91 # on a per machine basis. The %m gets replaced with the netbios name
```

檔案　編輯　Settings　說明

```
 92 # of the machine that is connecting
 93 ;    include = /etc/samba/smb.conf.%m
 94
 95 # This parameter will control whether or not Samba should obey PAM's
 96 # account and session management directives. The default behavior is
 97 # to use PAM for clear text authentication only and to ignore any
 98 # account or session management. Note that Samba always ignores PAM
 99 # for authentication in the case of encrypt passwords = yes
100
101 ;  obey pam restrictions = yes
102
103 # Most people will find that this option gives better performance.
104 # See speed.txt and the manual pages for details
105    socket options = TCP_NODELAY SO_RCVBUF=8192 SO_SNDBUF=8192
106
107 # Configure Samba to use multiple interfaces
108 # If you have multiple network interfaces then you must list them
109 # here. See the man page for details.
110 ;    interfaces = 192.168.12.2/24 192.168.13.2/24
111
112 # Configure remote browse list synchronisation here
113 #  request announcement to, or browse list sync from:
114 #      a specific host or from / to a whole subnet (see below)
115 ;    remote browse sync = 192.168.3.25 192.168.5.255
116 # Cause this host to announce itself to local subnets here
117 ;    remote announce = 192.168.1.255 192.168.2.44
118
119 # Browser Control Options:
120 # set local master to no if you don't want Samba to become a master
121 # browser on your network. Otherwise the normal election rules apply
122 ;    local master = no
123 []
```

檔案　編輯　Settings　說明

```
    123
    124 # OS Level determines the precedence of this server in master browser
    125 # elections. The default value should be reasonable
    126 ;   os level = 33
    127
    128 # Domain Master specifies Samba to be the Domain Master Browser. This
    129 # allows Samba to collate browse lists between subnets. Don't use this
    130 # if you already have a Windows NT domain controller doing this job
    131 ;   domain master = yes
    132
    133 # Preferred Master causes Samba to force a local browser election on sta
rtup
    134 # and gives it a slightly higher chance of winning the election
    135 ;   preferred master = yes
    136
    137 # Enable this if you want Samba to be a domain logon server for
    138 # Windows95 workstations.
    139 ;   domain logons = yes
    140
    141 # if you enable domain logons then you may want a per-machine or
    142 # per user logon script
    143 # run a specific logon batch file per workstation (machine)
    144 ;   logon script = %m.bat
    145 # run a specific logon batch file per username
    146 ;   logon script = %U.bat
    147
    148 # Where to store roving profiles (only for Win95 and WinNT)
    149 #         %L substitutes for this servers netbios name, %U is username
    150 #         You must uncomment the [Profiles] share below
    151 ;   logon path = \\%L\Profiles\%U
    152
    153 # Windows Internet Name Serving Support Section:
```

檔案　編輯　Settings　說明

```
    154 # WINS Support - Tells the NMBD component of Samba to enable it's WINS S
erver
    155 ;   wins support = yes
    156
    157 # WINS Server - Tells the NMBD components of Samba to be a WINS Client
    158 #      Note: Samba can be either a WINS Server, or a WINS Client, but N
OT both
    159 ;   wins server = w.x.y.z
    160
    161 # WINS Proxy - Tells Samba to answer name resolution queries on
    162 # behalf of a non WINS capable client, for this to work there must be
    163 # at least one  WINS Server on the network. The default is NO.
    164 ;    wins proxy = yes
    165
    166 # DNS Proxy - tells Samba whether or not to try to resolve NetBIOS names
    167 # via DNS nslookups. The built-in default for versions 1.9.17 is yes,
    168 # this has been changed in version 1.9.18 to no.
    169   dns proxy = no
    170
    171 # Case Preservation can be handy - system default is _no_
    172 # NOTE: These can be set on a per share basis
    173 ;  preserve case = no
    174 ;  short preserve case = no
    175 # Default case is normally upper case for all DOS files
    176 ;  default case = lower
    177 # Be very careful with case sensitivity - it can break things!
    178 ;  case sensitive = no
    179
    180 #=========================== Share Definitions =======================
======
    181 [homes]
    182    comment = Home Directories
```

檔案　編輯　Settings　說明

```
   181 [homes]
   182    comment = Home Directories
   183    browseable = no
   184    writable = yes
   185    valid users = %S
   186    create mode = 0664
   187    directory mode = 0775
   188 # If you want users samba doesn't recognize to be mapped to a guest user
   189 ; map to guest = bad user
   190
   191
   192 # Un-comment the following and create the netlogon directory for Domain
Logons
   193 ; [netlogon]
   194 ;    comment = Network Logon Service
   195 ;    path = /usr/local/samba/lib/netlogon
   196 ;    guest ok = yes
   197 ;    writable = no
   198 ;    share modes = no
   199
   200
   201 # Un-comment the following to provide a specific roving profile share
   202 # the default is to use the user's home directory
   203 ;[Profiles]
   204 ;    path = /usr/local/samba/profiles
   205 ;    browseable = no
   206 ;    guest ok = yes
   207
   208
   209 # NOTE: If you have a BSD-style print system there is no need to
   210 # specifically define each individual printer
   211 [printers]
```

檔案　編輯　Settings　說明

```
   212    comment = All Printers
   213    path = /var/spool/samba
   214    browseable = no
   215 # Set public = yes to allow user 'guest account' to print
   216    guest ok = no
   217    writable = no
   218    printable = yes
   219
   220 # This one is useful for people to share files
   221 [tmp]
   222    comment = Temporary file space
   223    path = /home/chaiyen
   224    read only = no
   225    public = yes
   226
   227 # A publicly accessible directory, but read only, except for people in
   228 # the "staff" group
   229 ;[public]
   230 ;   comment = Public Stuff
   231 ;   path = /home/samba
   232 ;   public = yes
   233 ;   writable = yes
   234 ;   printable = no
   235 ;   write list = @staff
   236
   237 # Other examples.
   238 #
   239 # A private printer, usable only by fred. Spool data will be placed in f
red's
   240 # home directory. Note that fred must have write access to the spool dir
ectory,
   241 # wherever it is.
```

檔案　編輯　Settings　說明

```
242 ;[fredsprn]
243 ;   comment = Fred's Printer
244 ;   valid users = fred
245 ;   path = /home/fred
246 ;   printer = freds_printer
247 ;   public = no
248 ;   writable = no
249 ;   printable = yes
250
251 # A private directory, usable only by fred. Note that fred requires write
252 # access to the directory.
253 ;[fredsdir]
254 ;   comment = Fred's Service
255 ;   path = /usr/somewhere/private
256 ;   valid users = fred
257 ;   public = no
258 ;   writable = yes
259 ;   printable = no
260
261 # a service which has a different directory for each machine that connects
262 # this allows you to tailor configurations to incoming machines. You could
263 # also use the %U option to tailor it by user name.
264 # The %m gets replaced with the machine name that is connecting.
265 ;[pchome]
266 ;   comment = PC Directories
267 ;   path = /usr/local/pc/%m
268 ;   public = no
269 ;   writable = yes
270 []
```

檔案　編輯　Settings　說明

```
   271 # A publicly accessible directory, read/write to all users. Note that al
l files
   272 # created in the directory by users will be owned by the default user, s
o
   273 # any user with access can delete any other user's files. Obviously this
   274 # directory must be writable by the default user. Another user could of
course
   275 # be specified, in which case all files would be owned by that user inst
ead.
   276 ;[public]
   277 ;    path = /usr/somewhere/else/public
   278 ;    public = yes
   279 ;    only guest = yes
   280 ;    writable = yes
   281 ;    printable = no
   282 
   283 # The following two entries demonstrate how to share a directory so that
 two
   284 # users can place files there that will be owned by the specific users.
In this
   285 # setup, the directory should be writable by both users and should have
the
   286 # sticky bit set on it to prevent abuse. Obviously this could be extende
d to
   287 # as many users as required.
   288 ;[myshare]
   289 ;    comment = Mary's and Fred's stuff
   290 ;    path = /usr/somewhere/shared
   291 ;    valid users = mary fred
   292 ;    public = no
   293 ;    writable = yes
   294 ;    printable = no
```
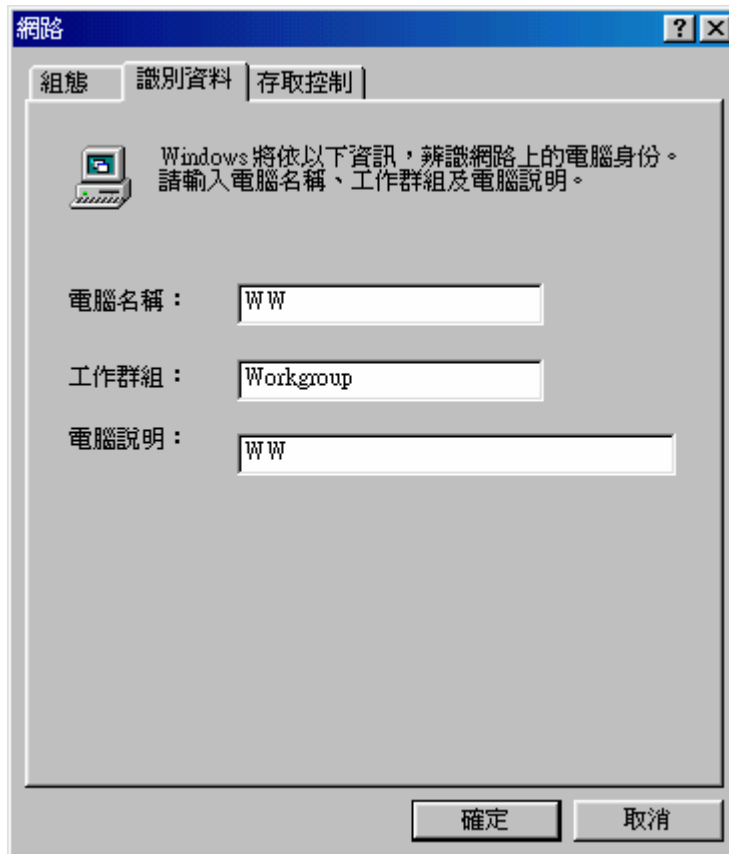
檔案　編輯　Settings　說明

```
    275 # be specified, in which case all files would be owned by that user inst
ead.
    276 ;[public]
    277 ;    path = /usr/somewhere/else/public
    278 ;    public = yes
    279 ;    only guest = yes
    280 ;    writable = yes
    281 ;    printable = no
    282
    283 # The following two entries demonstrate how to share a directory so that
 two
    284 # users can place files there that will be owned by the specific users.
In this
    285 # setup, the directory should be writable by both users and should have
the
    286 # sticky bit set on it to prevent abuse. Obviously this could be extende
d to
    287 # as many users as required.
    288 ;[myshare]
    289 ;    comment = Mary's and Fred's stuff
    290 ;    path = /usr/somewhere/shared
    291 ;    valid users = mary fred
    292 ;    public = no
    293 ;    writable = yes
    294 ;    printable = no
    295 ;    create mask = 0765
    296 [home]
    297 path = /home/chaiyen
    298 public=yes
    299 writable=yes
    300 onlyguest=yes
    301 []
```

<<1>>

　　samba　　18　　　　workgroup

```
    17 # workgroup = NT-Domain-Name or Workgroup-Name
    18    workgroup =workgroup
```

　　windows　　　　　　　　　　　　workgroup

<<2>>　　　　　samba　　　　　　IP

　　61.218.29.

```
    28 ;   hosts allow = 61.218.29.
    29
```

<<3>>

share　　　　　　　　　　　　　　　　　　　　user　　　samba

　　　　　　　　　　　　samba　　　　server　　　　　　　　　　　samba

```
    53   security = share
    54
```

　　　　　windows　　　　samba　　　linux　　　　　　　　　　　　username

　　password　samba　　　　　　　　samba　　　　　　　　　　　password

Share	windows
User	
Password Server	Samba User
Domain	Domain

<<4>>

70

```
 70    encrypt passwords = yes
 71    smb passwd file = /etc/samba/smbpasswd
```

<<5>>

linux　　　　　　chaiyen　　　　/home/chaiyen

296　　300　　path　　　　　　　　　　writable

yes　Browseable=Yes

298　　public

299　　writable

```
296 [home]
297 path = /home/chaiyen
298 public=yes
299 writable=yes
300 onlyguest=yes
```

<<6>>   chaiyen

        /home/chaiyen

[root@flash home]# chmod 777 chaiyen

<<7>>
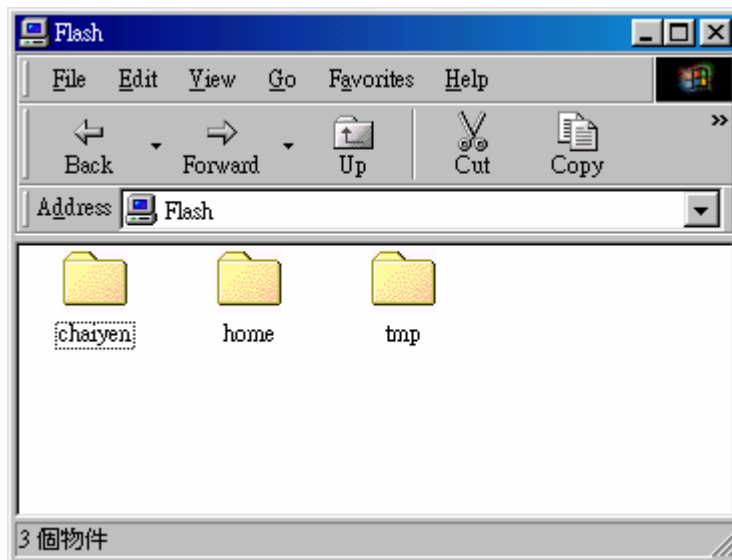
<<8>>home

<<9>>Samba　　　　　　-smbpasswd

　　　Samba

　　　　　　　　　　/etc/samba/smbpasswd　　Samba

smbpasswd

　　　　mksmbpasswd.sh　　　　/etc/passwd

/etc/samba/smbpasswd

```
[root@aasir chaiyen]# cat /etc/passwd | mksmbpasswd.sh > /etc/samba/smbpasswd
```

　　　　　　　　　　　　　　　　　　　600

```
[root@aasir chaiyen]# chmod 600 /etc/samba/smbpasswd
```

　　　　smbpasswd　　　　　　　　　　samba

```
[root@aasir chaiyen]# smbpasswd chaiyen
New SMB password:
Retype new SMB password:
```

　　　Samba　　　　　　/etc/samba/smb.conf

　　　　　　70　　　71　　　　　70　　　　　　　　　yes

71　　　　Samba　　　　　　　　　/etc/samba/smbpasswd

```
70      encrypt passwords = yes
71      smb passwd file = /etc/samba/smbpasswd
```

<<10>>　　Samba

　　　　smbstatus　　　Samba　　　　　　　　　　61.218.29.5

```
[root@aasir chaiyen]# smbstatus

Samba version 2.2.7a
Service     uid     gid     pid     machine
----------------------------------------------
public      nobody  nobody  11406   ww          (61.218.29.5) Fri Sep 26 16:06:3
1 2003

No locked files
```

.

1. Samba ?
   A./usr/bin/nmbd
   B./usr/bin/smbclient
   C./usr/bin/nmbd
   D./etc/samba/smb.conf

2. Linux
   Windows Linux
   smb
Unix-like
   A.Apache
   B.FTP
   C. Samba
   D.DHCP

3.
   A. share
   B. Password Server
   C.User
   D.Domain

4. samba windows samba
   linux samba linux windows
   samba ?
   A./etc/rc.d/init.d/smb start
   B./etc/rc.d/init.d/smb stop
   C./etc/rc.d/init.d/smb restart
   D.testparm

5. linux chaiyen /home/chaiyen path writable yes ?

A.Browseable=yes

B.Hidden=no

C.Viewable=Yes

D.Display=yes

1.B　2.C　3.A　4.A　5.A