

????: AIX 4.3.3 (IBM/RS6000)  
 ????: Windows 2000 Sserver AD  
 ??? : Windows 2000 PRO  
 ????: Samba-3.0.14a  
 ??: A.Lang (alang<dot>hsu<at>gmail<dot>com)

???? Samba ??????, ??? Linux, ? AIX ????, ?????, ??????????????, ?????? UNIX ? Linux, ??????????????????  
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**Samba Installation on AIX**

Author: a-lang 2005/6/4

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**Downloadind Samba Latest Distribution - Samba-3.0.14a**

<http://us4.samba.org/samba/ftp/>

**Read the Documentation**

????????? docs/htmldocs/using\_samba/toc.html

**Configuring source**

```
#cd samba-3.0.14a/source
#./configure
> --prefix=/usr/local/samba-3.0
> --exec-prefix=/usr/local/samba-3.0
> --with-winbind --with-smbwrapper --with-msdfs
> --with-syslog --with-utmp 2>&1 |
> tee config.my.log
```

!!!!? --with-smbmount ??? Linux ?

**Compiling and Installing**

```
#make
#make install 2>&1 | tee make-install.my.log //??????log,?????
```

?????,?/usr/local/samba-3.0?? bin,sbin ????????

**Enabling SWAT**

Check your /etc/services file, and if it does not contain the following line, add it to the end of the file:

```
swat 901/tcp
```

For inetd, add a line to the /etc/inetd.conf file. Don't forget to change the path to the SWAT binary if you installed it in the different location from the default /usr/local/samba

```
swat stream tcp nowait.400 root /usr/local/samba-3.0/sbin/swat swat
```

To reread inetd configuration

```
#refresh -s inetd
```

### A Basic Samba Configuration File

The installatin process does not automatically create an smb.conf configuration file.

You need create a new file in any text editor, it should be named **smb.conf**,and placed in the **/usr/local/samba-3.0/lib** directory.The sample as the below lines.

```
# Global parameters
[global]
workgroup = MYDOMAIN
netbios name = SMBSRV
server string = AIX4.3 Samba-3.0
security = DOMAIN
encrypt passwords = Yes
password server = MYAD
log file = /usr/local/samba-3.0/var/log.%m
max log size = 0
preferred master = No
local master = No
domain master = No
dns proxy = No
wins server = 192.168.51.4

# Notes: You need an existing /usr/local/samba/tmp directory
[test]
comment = For testing only, please
path = /usr/local/samba/tmp
read only = no
guest ok = yes
```

**!!Caution:** If you would like to migrate 2.2.x to 3.0.x for smb.conf configuration file, you must remove "code page".

To see more detail information about this,pls click the below link.

<http://www.bibsyst.no/samba/docs/man...ng-to-3.0.html>

### ?? security = DOMAIN, ????????, Join ???Windows AD(NT4/PDC)

```
root# net join -S MYAD -UAdministrator%password //MYAD= your AD host name
```

```
** ?????3.0.x, ?? 2.2.x ??????
```

```
1)? windows AD ?????computer,??? "??windows 2000?????"
```

```
2)? samba server ??
```

```
#smbpasswd -j mydomain -r myAD
```

### Testing Configuration File By Local Machine

```
#/usr/local/samba-3.0/bin/testparm
```

```
#/usr/local/samba-3.0/bin/smbclient -L localhost
```

\*\*??? AIX 4.3.3 ?????, ??????????????, ?? Google ?????, ?????  
Bug, ????? "unix charset" & "dos charset" ??????!!

Error messages:

```
init_iconv: Conversion from UTF-16LE to CP932 not supported
init_iconv: Attempting to replace with conversion from UTF-16LE to ASCII
init_iconv: Conversion from UTF8 to CP932 not supported
init_iconv: Attempting to replace with conversion from ASCII to ASCII
init_iconv: Conversion from ASCII to CP932 not supported
init_iconv: Attempting to replace with conversion from ASCII to ASCII
...
```

### Automatic Startup

```
//Modifying Samba to work with the SRC(System Resource Controller)
//?????????
#which smbd
/usr/local/sbin/smbd
#which nmbd
/usr/local/sbin/nmbd

//Defining the Samba subsystem group
//Create new subsystem
#mkssys -G samba -s smbd -p /usr/local/sbin/smbd -u 0 -a "-i" -S -n 15 -f 9
#mkssys -G samba -s nmbd -p /usr/local/sbin/nmbd -u 0 -a "-i" -S -n 15 -f 9

//modifying an existing subsystem definition
#chssys -G samba -s smbd -p /usr/local/sbin/smbd -u 0 -a "-i" -S -n 15 -f 9

//?????????
#mkitab "samba:2:wait:startsrc -g samba > /dev/console 2>&1"

//????????Subsystem?????
#odmget -q subsystemname='smbd' SRCsubsys
```

[code]

```
SRCsubsys:
subsysname = "smbd"
synonym = ""
cmdargs = "-D"
path = "/usr/local/samba-3.0/sbin/smbd"
uid = 0
auditid = 0
stdin = "/dev/console"
stdout = "/dev/console"
stderr = "/dev/console"
action = 2
```

```
multi = 0
contact = 2
svrkey = 0
svrmttype = 0
priority = 20
signorm = 15
sigforce = 9
display = 1
waittime = 20
grpname = "samba"
[/code]
```

//To start the new subsystem group,enter:

```
#startsrc -g samba
```

//or, to start an individual subsystem, enter:

```
#startsrc [-h remote_host] -s smbd
```

//To check whether the new Samba subsystem group is running, enter:

```
#lssrc [-h remote_host] -g samba
```

//or, to check an individual subsystem, enter:

```
#lssrc [-h remote_host] -s smbd
```

//To stop the new Samba subsystem group, enter:

```
#stopsrc [-h remote_host] -g samba
```

//or, to stop an individual subsystem, enter:

```
#stopsrc [-h remote_host] -s smbd
```

#### Reference links

- <http://www.redbooks.ibm.com/redbooks...4?OpenDocument>
- Upgrading from Samba-2.x to Samba-3.0.0  
<http://www.bibsyst.no/samba/docs/man...ng-to-3.0.html>
- [?? Samba ????????](http://www.bibsyst.no/samba/docs/man...ng-to-3.0.html)