

Make Samba work with iRedMail's OpenLDAP database backend

First you should follow the steps in this howto to use iRedMail's OpenLDAP database for Unix user authentication!

Generate SambaSID

Create sidgenerator.sh file

Create the sidgenerator.sh file with the following content:

```
#!/bin/sh
sambaSID=
for num in 1 2 3 ;do
    randNum=$(od -vAn -N4 -tu4 < /dev/urandom | sed -e 's/ //g')
    if [ -z "$sambaSID" ]; then
        sambaSID="S-1-5-21-$randNum"
    else
        sambaSID="${sambaSID}-${randNum}"
    fi
done
echo $sambaSID
exit 0
```

This script is created by naterator

Make it executable

```
chmod +x sidgenerator.sh
```

Generate sid

```
bash ./sidgenerator.sh
```

Set up Samba

Install samba

```
apt-get install samba smbldap-tools -y
```

Edit `/etc/samba/smb.conf`

We use root dn because we want to allow samba to create the `sambaDomainName=SERVERNAME` entry.

```
[global]
...
netbios name = SERVERNAME
...
passdb backend = ldapsam:ldap://127.0.0.1
ldap ssl = no
ldap admin dn = cn=Manager,dc=domain,dc=com
ldap suffix = dc=domain,dc=com ...
```

Set LDAP password for Samba

Enter the password of `ldap admin dn`

```
smbpasswd -w *****SECRETPASSWORD*****
```

Restart Samba

```
service smb restart
```

Set up OpenLDAP

Add the needed Samba settings to the domain group

```
{ou=Groups,domainName=domain.com,o=domains,dc=domain,dc=com}
```

```
objectClass->(new entry)->sambaGroupMapping
```

```
sambagrouptype=2sambaSID=YOU-NEED-GENERATE-WITH-SCRIPT
```

Valid numbers for `sambagrouptype` entry

```
SID_NAME_USE_NONE=0,  
SID_NAME_USER=1,  
SID_NAME_DOM_GRP=2,  
SID_NAME_DOMAIN=3,  
SID_NAME_ALIAS=4,
```

```
SID_NAME_WKN_GRP=5,  
SID_NAME_DELETED=6,  
SID_NAME_INVALID=7,  
SID_NAME_UNKNOWN=8,SID_NAME_COMPUTER=9
```

Set up user

```
{ou=Users,domainName=domain.com,o=domains,dc=domain,dc=com}
```

```
objectClass->(new entry)->sambaSamAccount
```

Create the following entries under the user

```
(new attribute)->sambaGroupMapping
```

```
sambaSID=SID-OF-THE-SAMBA-SERVER-3000 # Increment the 3000 partsambaAcctFlags=[U]  
sambaLMPassword=*****SAMBAPASSWORD*****  
sambaNTPassword=*****SAMBAPASSWORD*****sambaPrimaryGroupSID=SID-OF-THE-  
CREATED-GROUP- # Add '-' character to the end of the group sidsambaPwdLastSet=-1
```

Troubleshoot

Samba

1. Troubleshooting Samba

OpenLDAP

1. Troubleshooting OpenLDAP

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