

## Modified - /var/lib/glusterd/hooks/1/start/post/S30samba-start.sh

```
#!/bin/bash
```

```
#The preferred way of creating a smb share of a gluster volume has changed.
#The old method was to create a fuse mount of the volume and share the mount
#point through samba.
#
#New method eliminates the requirement of fuse mount and changes in fstab.
#glusterfs_vfs plugin for samba makes call to libgfapi to access the volume.
#
#This hook script automagically creates shares for volume on every volume start
#event by adding the entries in smb.conf file and sending SIGHUP to samba.
#
#In smb.conf:
#glusterfs vfs plugin has to be specified as required vfs object.
#Path value is relative to the root of gluster volume;"/" signifies complete
#volume.
```

```
PROGNAME="Ssamba-start"
```

```
OPTSPEC="volname:"
```

```
VOL=
```

```
MNT_PRE="/mnt/samba"
```

```
function parse_args () {
    ARGS=$(getopt -l $OPTSPEC -name $PROGNAME $@)
    eval set -- "$ARGS"
```

```
    while true; do
```

```
        case $1 in
```

```
            --volname)
```

```
                shift
```

```
                VOL=$1
```

```
                ;;
```

```
            *)
```

```
                shift
```

```
                break
```

```
                ;;
```

```
        esac
```

```
        shift
```

```
    done
```

```
}
```

```
function add_samba_share () {
```

```
    volname=$1
```

```
    STRING="\n[gluster-$volname]\n"
```

```
    STRING+="comment = For samba share of volume $volname\n"
```

```
    STRING+="vfs objects = glusterfs\n"
```

```

STRING+="glusterfs:volume = $volname\n"
STRING+="glusterfs:logfile = /var/log/samba/glusterfs-$volname.log\n"
STRING+="glusterfs:loglevel = 7\n"
STRING+="path = /\n"
STRING+="read only = no\n"
STRING+="guest ok = yes\n"
printf "$STRING" >> /etc/samba/smb.conf
}

```

```

function sighup_samba () {
    pid=`cat /var/run/smbd.pid`
    if [ "$pid" != "" ]
    then
        kill -HUP "$pid";
    else
        /etc/init.d/smb condrestart
    fi
}

```

```

function get_smb () {
    volname=$1
    uservalue=

    usercifsvalue=$(grep user.cifs /var/lib/glusterd/vols/"$volname"/info | \
        cut -d"=" -f2)
    usersmbvalue=$(grep user.smb /var/lib/glusterd/vols/"$volname"/info | \
        cut -d"=" -f2)

    if [[ $usercifsvalue = "disable" || $usersmbvalue = "disable" ]]; then
        uservalue="disable"
    fi
    echo "$uservalue"
}

```

```

function add_fstab_entry () {
    volname=$1
    mntpt=$2
    mntent=""hostname`:/$volname $mntpt glusterfs defaults,transport=tcp 0 0"
    exists=`grep "$mntent" /etc/fstab`
    if [ "$exists" == "" ]
    then
        echo "$mntent" >> /etc/fstab
    fi
}

```

```

function mount_volume () {
    volname=$1
    mntpt=$2
    if [ "$(cat /proc/mounts | grep "$mntpt")" == "" ]; then

```

```

        mount -t glusterfs `hostname`:$volname $mntpt && \
            add_fstab_entry $volname $mntpt
    fi
parse_args $@
if [ $(get_smb "$VOL") = "disable" ]; then
    exit 0
fi

add_samba_share $VOL
add_fstab_entry
mkdir -p $MNT_PRE/$VOL
sleep 5
mount_volume $VOL $MNT_PRE/$VOL

sighup_samba

```

## Modified - /var/lib/glusterd/hooks/1/start/post/S30samba-stop.sh

```

#!/bin/bash

#The preferred way of creating a smb share of a gluster volume has changed.
#The old method was to create a fuse mount of the volume and share the mount
#point through samba.
#
#New method eliminates the requirement of fuse mount and changes in fstab.
#glusterfs_vfs plugin for samba makes call to libgfapi to access the volume.
#
#This hook script automagically removes shares for volume on every volume stop
#event by removing the volume related entries(if any) in smb.conf file.

PROGNAME="Ssamba-stop"
OPTSPEC="volname:"
VOL=
MNT_PRE="/mnt/samba"

function parse_args () {
    ARGS=$(getopt -l $OPTSPEC -name $PROGNAME $@)
    eval set -- "$ARGS"

    while true; do
        case $1 in
            --volname)
                shift
                VOL=$1
            ;;
            *)

```

```

        shift
        break
    ;;
    esac
    shift
done
}

```

```

function del_samba_share () {
    volname=$1
    cp /etc/samba/smb.conf /tmp/smb.conf
    sed -i "/gluster-$volname/,/^$/d" /tmp/smb.conf &&\
        cp /tmp/smb.conf /etc/samba/smb.conf
}

```

```

function umount_volume () {
    volname=$1
    mnt_pre=$2
    umount -l $mnt_pre/$volname
}

```

```

function remove_fstab_entry () {
    volname=$1
    mntpt=$2
    mntent=""hostname`:/$volname $mntpt glusterfs defaults,transport=tcp 0 0"
    esc_mntent=$(echo -e "$mntent" | sed 's/\//\\/g')
    exists=`grep "$mntent" /etc/fstab`
    if [ "$exists" != " " ]
    then
        sed -i /"$esc_mntent"/d /etc/fstab
    fi
}

```

```

function sighup_samba () {
    pid=`cat /var/run/smbd.pid`
    if [ $pid != "" ]
    then
        kill -HUP $pid;
    else
        /etc/init.d/smb condrestart
    fi
}

```

```

parse_args $@
del_samba_share $VOL
umount_volume $VOL $MNT_PRE
remove_fstab_entry $VOL $MNT_PRE/$VOL
sighup_samba

```