

Autofs

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- Samba
 - CIFS
- CIFS c Kerberos



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- Astra Linux Special Edition .10015-01 (1.7), .10015-10
- Astra Linux Special Edition .10015-17
- Astra Linux Special Edition .10015-37 (7.7)
- Astra Linux Special Edition .10015-03 (7.6)
- Astra Linux Special Edition .10152-02 (4.7)
- Astra Linux Special Edition .10015-01 (1.6)
- Astra Linux Special Edition .10015-16 . 1
- Astra Linux Special Edition .10015-16 . 2
- Astra Linux Special Edition .10265-01 (8.1)
- Astra Linux Common Edition 2.12



autofs , "user" "pass" , "username" "password"



Autofs-,:
• (, , RAM-) ;
• .

autofs Astra Linux synaptic, :

```
sudo apt install autofs
```

autofs /etc/auto.master.

.

,

```
man auto.master
```

, :

```
sudo systemctl restart autofs
```

, ,



cd /mnt/share

.

NFS.

autofs 192.168.1.10:/srv/nfsshare/ /mnt/share.

/etc/auto.master :

 /mnt /etc/auto.nfs --timeout=60

- /mnt ;
- /etc/auto.nfs NFS;
- timeout , . , autofs 300 (5), 5 .

, /etc/auto.nfs NFS.

NFS

: {} {} {}.

, /etc/auto.master:

 share -fstype=nfs4,rw,soft,intr 192.168.1.10:/srv/nfsshare

- share – (/mnt/share)
- -fstype=nfs4,rw,soft,intr –
- 192.168.1.10:/nfsshare–

/mnt/share/ /srv/nfsshare/, IP- "192.168.1.10"

Samba

Samba:

1. /etc/auto.master :

 /media/smb /etc/auto.smb --timeout=60 # samba (windows)

/etc/auto.smb , , autofs

2. autofs.

3. autofs , :

```
ls /media/smb/<_>
```

```
ls /media/smb/<IP-__>
```

Windows. CIFS.

CIFS

 , .

samba () .

/etc/auto.cifs auto.smb autofs5 .

:

1. samba cifs-utils:

```
sudo apt install cifs-utils
```

2. /etc/auto.master :

```
i /media/cifs /etc/auto.cifs --timeout=60
```

3. /etc/auto.cifs:

```
i #!/bin/bash
# This file must be executable to work! chmod 755!
#set -x
key="$1"
key=$(echo $key | awk -F "/" '{print $1}')

credfile="/etc/user-cifs"
username=$(cat $credfile | grep "$key" | awk -F ":" '{print $2}' | awk -F "%" '{print $1}')
password=$(cat $credfile | grep "$key" | awk -F ":" '{print $2}' | awk -F "%" '{print $2}')
opts="-fstype=cifs,file_mode=0644,username=$username,password=$password,uid=$username,gid=$username"
for P in /bin /sbin /usr/bin /usr/sbin ; do
    if [ -x $P/smbclient ] ; then
        SMBCLIENT=$P/smbclient
        break
    fi
done

[ -x $SMBCLIENT ] || exit 1

$SMBCLIENT --user=$username%$password -gL $key 2>/dev/null | awk -v key="$key" -v opts="$opts" -F'|' -- '
BEGIN { ORS=""; first=1 }
/Disk/ {
    if (first) { print opts; first=0 }
    dir = $2
    loc = $2
    # Enclose mount dir and location in quotes
    # Double quote "$" in location as it is special
    gsub(/\$/ , "\\$"; loc);
    print " \\n\\t \"/ dir "\\", "\":/\" key "/" loc "\\"
}
END { if (!first) print "\n"; else exit 1 }
'

#share -fstype=cifs,rw,credentials=/root/.cifs_credentials ://localhost/share
#public -fstype=cifs,rw,noperm,guest ://localhost/public
```

- a. < opts="-fstype=cifs,file_mode=0644,dir_mode=0755,codepage=866,ioccharset=utf8,user=\$user_password" > : windows;
b. < \$SMBCLIENT --user=\$user_password -gL \$key 2>/dev/null | awk -v key="\$key" -v opts="\$opts" -F'|' -- ' > : <\$SMBCLIENT ...>
samba- windows;
c. < user_password=\$(cat \$credfile | grep "\$key" | awk -F ":" '{print \$2}') > : cifs.
4. Windows , Windows Server 2012:

```
! opts="-fstype=cifs,rw,noperm,username=$username,password=$password"
```

Windows Server :

```
i opts="-fstype=cifs,rw,username=$username,password=$password,vers=1.0"
```

5. auto.cifs :

```
sudo chmod 755 /etc/auto.cifs
```

6. /etc/user-cifs cifs :

```
i 1:%
2:%
```



7. `/etc/user-cifs`, `root`:

```
sudo chmod 600 /etc/user-cifs
```

8. `autofs`:

```
sudo systemctl restart autofs
```

9. `samba`:

```
ls /media/cifs/1
```

CIFS c Kerberos

Kerberos, Kerberos.

:

1. , CIFS Kerberos, , `/etc/request-key.d/cifs.spnego.conf` -t, - - . :



```
create cifs.spnego ** /usr/sbin/cifs.upcall -t %k
```

2. / Kerberos (,):

```
kinit <_>
```

3. , :

```
klist
```

4. (`//server.windomain.ru/share` /mnt):

```
mount -t cifs //server.windomain.ru/share /mnt -o sec=krb5
```