

Samba

- [smbtree](#) [smbclient](#)
- [smbtree](#)
 -
 -
- [Samba](#)
- [smbtree](#)
- [NTLM](#) [samba](#)
- -
 - [nmblookup](#)
 - [Avahi](#)



.: :

- [Astra Linux Common Edition 2.12.40: Samba Heimdal Kerberos](#)



:

- [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](#)

Samba 4.10 `smbtree` , , `smbclient -L` . , `smbtree smbclient` , .

smbtree smbclient

`smbtree/smbclient -N:`

```
smbtree -N
```

```
smbclient -N -L ...
```

smbtree



Samba , , .



NT1 (CIFS), . , , .

, `smbtree` :

```
smbtree -N "--option=client min protocol=NT1"
```

, `samba` NT1 `/etc/samba/smb.conf` [global] :

```
client min protocol = NT1
```

`samba` 4.9 , 4.11 :

```
smbtree -N
```

```
\\CE-2-13-3-1115 Samba 4.12.5-Debian
smbXcli_negprot_smb1_done: No compatible protocol selected by server.
```

```
, samba /etc/samba/smb.conf [global] Samba :
```

```
server min protocol = NT1
```

```
:
```

```
sudo smbcontrol smbd reload-config
```

Samba

Samba (4.9 ,) . samba (Oracle VirtualBox KVM), samba , samba -, . -

```
sudo systemctl restart nmbd
```

```
smbtree () , . /var/log/samba/log.smbd , smbd :
```

```
Samba name server ASTRA is now a local master browser for workgroup WORKGROUP on subnet 192.168.27.1
```

```
[global] /etc/samba/smb.conf , , (lo - , ):
```

```
interfaces = lo 192.168.32.0/24
bind interfaces only = yes
```

 wiki.samba.org samba (lo).

```
:
```

```
sudo systemctl restart smbd nmbd
```

 - smbtree, , , .

smbtree

```
smbtree samba- NETBIOS- . :
```

```
name resolve order = lmhosts wins host bcast
```

```
:
```

- lmhosts - /etc/samba/lmhosts, samba- /etc/hosts, ;
- wins - WINS-, ;
- hosts - /etc/hosts, 127.0.1.1;

```
/etc/hosts 127.0.1.1, , samba 127.0.1.1, 127.0.0.1, .
smbtree , samba - /etc/hosts.
samba 127.0.1.1 , , .
```

NTLM samba

samba (smbd) NTLM2. Windows, samba, samba. :

1. NTLM2 . Windows NTLM2.



samba, .

2. samba ntlm auth, NTLM2:

```
ntlm auth = ntlmv2-only
```

```
ntlm auth = no
```

3. :

```
ntlm auth = mschapv2-and-ntlmv2-only
```

NTLM2, NTLM1 MSCHAPv2, MSCHAPv1;

4. NTLM1:

```
ntlm auth = yes
```

```
ntlm auth = ntlmv1-permitted
```

samba, ALD wide links = yes (), , , unix extensions = yes. allow insecure wide links = yes.



smbtree Astra Linux Special Edition .10015-01 (1.5)

, smbtree Astra Linux Special Edition .10015-01 (1.5) (samba_3.6.26) [global] 1.5 :

```
client ipc signing = auto
```



[CVE-2016-2115](#): Samba 3.x and 4.x before 4.2.11, 4.3.x before 4.3.8, and 4.4.x before 4.4.2 does not require SMB signing within a DCERPC session over ncacn_np, which allows man-in-the-middle attackers to spoof SMB clients by modifying the client-server data stream.

nmblookup

- WORKGROUP (-1d):

```
nmblookup -M WORKGROUP
192.168.1.1 WORKGROUP<1d>
```

"__MSBROWSE__":

```
nmblookup -M -
192.168.1.1 __MSBROWSE__<01>
```

Avahi

samba:

```
sudo apt install avahi-utils
sudo avahi-browse -r _smb._tcp
```