

Samba

D.J. van Enckevort

Mensys BV

Contents

- ◆ Introduction
- ◆ What is Samba
- ◆ Why Samba
- ◆ Samba vs IBM LAN Server
- ◆ Samba vs IBM LAN Peer
- ◆ Samba as a client
- ◆ Samba as a server
- ◆ Heterogenous networks

What is Samba?

- ◆ Implementation of the Server Message Block (SMB) protocol over TCP/IP (a.k.a. Netbios over TCP/IP or TCPBEUI) and the Common Internet File System (CIFS) protocol
- ◆ Open Source software
- ◆ A popular dance from Rio de Janeiro

Samba client

Can mount SMB and CIFS network filesystems as a drive or a directory on your local system

- ◆ Provided as a NetDrive client
- ◆ Requires a background daemon

Configuring the client

Live demonstration

- ◆ How to add a share?
- ◆ What do all those settings mean?

Samba Server

Can share directories, drives and printers on your system with other computers in your network

- ◆ Consists of two daemons (smbd.exe and nmbd.exe)
- ◆ Requires Security/2

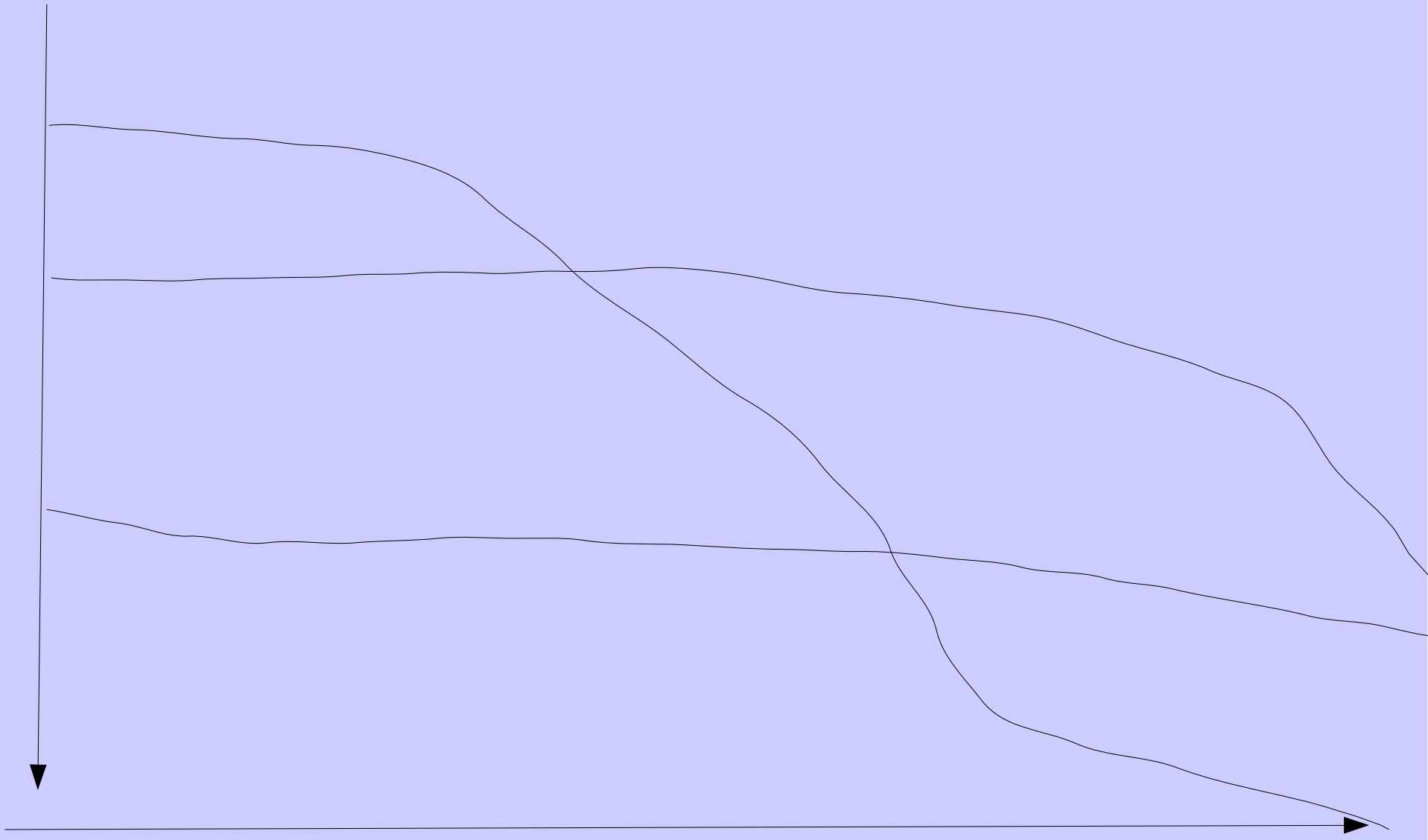
Configuring the server

Live demonstration

- ◆ How to create a share?
- ◆ How to add a user?
- ◆ Adding your server to a domain?

Debug tools

- ◆ testparm (verify configuration)
- ◆ smbclient (ftp like smb client, if you have problems connecting)
- ◆ net (administrative tool)
- ◆ smbtree (Network Neighbourhood browser, if you have problems seeing other machines)
- ◆ logfiles (log.<hostname>)
- ◆ interactive options



Debug tools (cont'd)

- ◆ `smbcquotas` (Check quota's)
- ◆ `smbcacls` (check ACLs if you have problems with user rights)
- ◆ `smbstatus` (dump current server status)
- ◆ `tddbbackup` & `tddbump` (Samba database management)
- ◆ `rpcclient` (perform RPC commands)

Questions?

- ◆ Presentation will be made available at:
<http://vanenckevort.net/>
- ◆ Contact by e-mail: david@vanenckevort.net