

Samba-3: New Directions

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Agenda

- Goals and Directions for Samba-3
- New Features
 - Identity Management
 - The new *passdb backend*
 - The role of *idmap backend*
 - Group Mapping
 - Virtual File System Drivers
- New Tools

Samba-3 – Goals

- Answer user demand for Migration
 - NT4 to Samba-3
 - Better Domain Control
 - Improved Interdomain Trusts
 - Ability to migrate NT4 user and group accounts to Samba-3
- Native Active Directory Integration
 - Ability to run with plain CIFS over TCP/IP
- New / Better Bug Tracking
 - <http://bugzilla.samba.org>

Samba-3 – More Goals

- More Secure
 - Compatibility with Windows XP/2003
 - schannel and signing support
 - No more need for registry changes on clients
- Better Documentation
 - New Samba-HOWTO-Collection
 - Published by Prentice Hall
“The Official Samba-3 HOWTO and Reference Guide”,
ISBN: 0-13-145355-6
 - Can be pre-ordered from Amazon.Com now

Samba-3 HOWTO & Ref Guide

The book cover features a blue background with a historical illustration of a group of people gathered around a horse-drawn carriage. The title 'THE OFFICIAL SAMBA-3 HOWTO and Reference Guide' is prominently displayed in large white and yellow letters. Below the title, it says 'JOHN H. TERPSTRA AND JELMER R. VENOIJ, EDITORS'. A quote from Andrew Tridgell is included: 'The breadth of technical information provided [in this book] ensures that even the most demanding of administrators will find something they need.' The book is part of 'BRUCE PERENS' OPEN SOURCE SERIES'. The publisher's logo 'PRENTICE HALL Professional Technical Reference' and the ISBN '0-13-048199-9' are at the bottom.

Networking/Samba

"The breadth of technical information provided [in this book] ensures that even the most demanding of administrators will find something they need."

—Andrew Tridgell, President of the Samba Team and the original author of Samba

THE OFFICIAL SAMBA-3 HOWTO and Reference Guide

JOHN H. TERPSTRA AND JELMER R. VENOIJ, EDITORS

The practical, authoritative, step-by-step guide to cutting IT costs with Samba-3!

This is the definitive guide to using Samba-3 in productive environments. It begins with the immense amount of HOWTO information published by the Samba Team and volunteers around the world... but that's just the beginning. The book's Samba Team editors have organized and edited this material around the practical needs of working Windows® administrators. Unix/Linux administrators will find all the answers they need as well.

Whether you're deploying Samba for the first time, integrating Samba into a Windows 2000 Active Directory environment, migrating from NT 4 or Samba 2.x, or using Samba in a UNIX/Linux environment, you'll find step-by-step solutions, carefully edited for accuracy, practicality, and clarity. You'll learn what you need to make intelligent deployment decisions, get running fast, and use Samba-3's powerful new features to maximize performance and minimize cost.

Step-by-step installation techniques and proven configurations that work "right out of the box"

Essential Samba-3 information that leverages your Windows networking knowledge

Detailed coverage of Samba-3's powerful network/machine account management, network browsing, and mapping capabilities

Authoritative explanations of advanced features such as Interdomain trusts and loadable NFS file system drivers

Clear information on how Samba-3 handles Windows desktop/user policies and profiles

Practical techniques for optimizing network printing

Specific guidance for migration from Windows NT 4 or Samba 2.x

Troubleshooting techniques that draw on the knowledge of the entire Samba community

ABOUT THE EDITORS

JOHN H. TERPSTRA and JELMER R. VENOIJ are members of the global Samba Team, a loose-knit group of about 30 people who contribute regularly to Samba. John H. Terpstra is a co-founder of the Samba Team.

Series Editor BRUCE PERENS is an Open Source evangelist, developer, and consultant whose software is a major component of most commercial embedded Linux offerings. He founded or co-founded Linux Standard Base, Open Source Initiative, and Software in the Public Interest. As Debian GNU/Linux Project Leader, he was instrumental in getting the system on two U.S. Space Shuttle flights.

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BRUCE PERENS' OPEN SOURCE SERIES

THE OFFICIAL SAMBA-3 HOWTO and Reference Guide

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Foreword by Andrew Tridgell, President of the Samba Team and the original author of Samba

samba opening windows to a wider world

scripter opening windows to a wider world

Samba-3 – More Goals

- Better Internationalisation
 - Required a move to Unicode
 - Necessary to enable newer NT/2KX protocols
- More/Better Admin Tools
 - Allow management of users and groups
 - Not complete yet
 - New **net** command
 - Introduction of the *group_mapping.tdb*
 - Addition of the **profiles** tool
 - Addition of the **editreg** tool (not complete)

New Features

- Active Directory Support
 - LDAP/Kerberos
 - Can join ADS Realm
- Unicode Enabled
- New Authentication Subsystem
 - New loadable multi-module support
 - Passdb, VFS
- Better Security
- New default filename mangling system
- **Net** command
- Windows 32-bit error codes
- Better printer handling
- Migration Support
- Interdomain Trusts
- More ...

Identity Management Changes

- New *passdb backend* parameter
 - Default: smbpasswd, guest
 - Optional:
tdbsam, ldapsam, mysql, xmlsam, ldap_compat
- Default preserved Samba-2.2.x behaviour as much as possible
- The *guest* parameter is default
 - Provides default account for the guest user

LDAP Improvements

- Compatibility mode available so administrators can migrate when they are ready
- New schema
 - Has support for future features
 - Logon Hours, Logon Machines, Password change control, more ...

LDAP Recommendations

- Recommended to use OpenLDAP 2.1.x or later
 - Can use:
 - Sun One ID Server (iPlanet)
 - IBM Tivoli Identity Manager
 - Microsoft ADAM
 - Novell eDirectory

Virtual File System Support

- Recycle Bin facility extended
 - New Syntax – read HOWTO for details
- Audit & Extd_Audit modules
 - Extd_audit logs to normal log files
 - Audit logs to syslog only
- Fake_perms module for Profile support (for read-only profiles)
- Others: NetAtalk, Read_Only, example modules to encourage 3rd party devel.

New Tools

- New or enhanced commands:
pdbedit, net, profiles, editreg, SWAT
 - Note: editreg is not complete
- New Samba Components:
wrepld (not complete)
winbinddd – now manages ID-mapping
group_mapping.tdb
 - stores NT <-> UNIX ID database

End

Questions / Comments