Motivation

Operating Systems Market Share (Client and Server)

- Microsoft: 95.50%
- Apple: 2.70%
- Linux: 1.80%
Mandatory Requirements Overview

- Domain join
- Single Sign On Authentication
- Name Service Switch (NSS)
- X11 Display Manager integration (KDM, GDM)
Mandatory Requirement Authentication

• Seamless PAM Integration
  - Let PAM winbind behave like other PAM modules
  - Mapping Microsoft to PAM error messages and codes

• Kerberized PAM Winbind
  - Automatic ticket refresh and renew

• Account Policies
  - Password
  - Logon hours
  - Lockout
Architecture Overview

NSS
- nscd
- nss_compat
- nss_winbind

PAM aware applications (gdm, kdm, login, ...)

PAM
- pam_winbind
- pam_unix2
- pam_mkhomedir

Offline Cache

winbindd

Kerberized Apps (Mailer, Browser)

Kerberos Credential Cache

Windows DC (Active Directory)

LDAP, Kerberos and various MS protocols

Kerberos
Supplementary Requirements

- Winbind Offline mode
- Kerberized Client Applications
  - web browsers (konqueror, FireFox)
  - MUA (KMail)
- File Access
  - libsmbclient using apps (konqueror, nautilus)
  - CIFS system wide?
- Printing
YaST Integration (1)
YaST Integration (2)

Selecting Windows Domain Membership

Specify the name of the NT or Active Directory domain. Browse presents the list of all domains found in the network.

When you press Next, the system verifies the domain and allows this host to join the domain.

Check Create Home Directory on Login to have home directories created on the first login.

Offline Authentication enables the user to log in even if there is no connection to the domain controller. For this option to work, you must log in to your domain at least once. The user credentials are then stored encrypted on your computer and are reused for a domain login when no connection to the domain controller can be established. This is especially useful for mobile users.

Allow Users to Share Their Directories enables members of the group to...
Samba Winbind AD Integration Demo
To do

- Acessing CIFS Home Directory
- Machine Account Password Changes
- Localisation
- GUI integration for Services For UNIX (SFU)
- Group Policy Support (GPO)
- Roaming Profiles
- Logon Scripts
Available Resources

• SUSE Linux Enterprise Desktop 10
• http://openSUSE.org/Samba
• Samba.org samba-docs subversion

Questions & Answers
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