



COMTARSIA IT SERVICES PRESENTS





1999 2000 2001 2002 2003

Comtarsia IT Services

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COMTARSIA



LOGON CLIENT

2003

Comtarsia SignOn Product Family

Logon to...

Central User Management with ...



- Netscape Directory Server
- Sun ONE Directory Server
- IBM Directory Server
- RACF
- Domino
- Open LDAP
- OS/2

Windows Client Platform Support



- (NT 4.0)
- Windows 2000
- Windows XP
- Terminal Server 2000/2003 (Citrix)

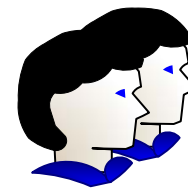
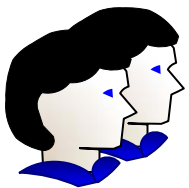


Profile and Home Directory Management

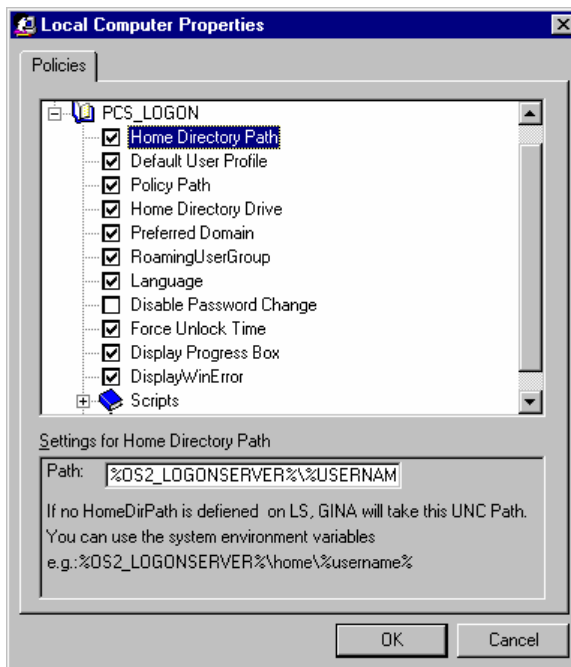
- The default profile can be saved centrally and is loaded by Logon Client if the user does not yet have a profile
- User's profile and home directory path can be defined in the domain or LDAP directory
- For Samba different UNC paths can be defined for profile and home directory.

Group Mapping

- **Local Permissions can be maintained with domain or LDAP groups**
(User, Power User, Administrator,)
- **Group mapping by same group name or manual group mapping list**

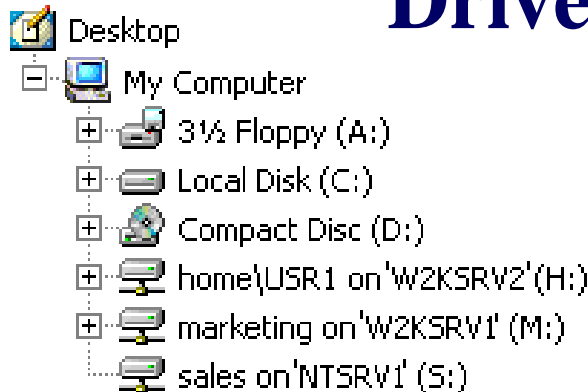


Windows Policy



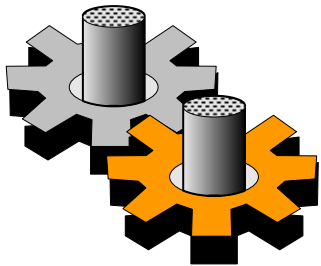
- Windows Policies (*.pol Files) can be put on a central server for different permission groups.
- All Logon Client settings can be administrated via policy settings
- Logon Client applies policies according to group membership and updates user profiles at each logon

Drive and Printer Mappings



- Drive and printer mappings can be defined in the domain or LDAP user object. They will be connected at each logon.
- Mapping errors are written to the event log and can be shown in a pop up message

System Management



- **Scripts**

- Init Script

- System Logon Script

- Admin User Logon Script

- User Logon Script

- User Logoff Script

-

- **Directory Replicator**

Network Applications

- Network applications can be defined in the domain or LDAP directory.
- Network applications are assigned to domain or LDAP user objects.
- Logon Client creates or updates corresponding icons on the desktop at each logon.





Mobile Computing

- The local user account is automatically created by domain or LDAP logon.
- The roaming profile is saved locally and is also available offline.
It will be automatically synchronized with the profile saved on the server at the next online logon.

Local User Mode

- Primary LDAP or OS/2 logon
- SignOn Gate Support
- Local logon
- ADS join **not** required

Advantages:

- Independence of ADS system
- Flexibility for mobile computing
- In case of network problems the local user profile is available

Active Directory Logon Mode

- Primary LDAP or OS/2 logon
- SignOn Gate Support
- Active Directory Logon
- ADS join required

Advantages:

- Full client management with ADS
- Terminal Server / Citrix Support

Account Synchronization

Domain:

- ✓ [1] W2KDOM1
- ✓ [2] W2KSRV2
- ✓ [3] NTSRV1
- ✓ [4] W2KSRV1

Password Synchronization

Passwords for selected OS/2, NT and/or Samba domains can be kept automatically synchronized against the primary domain / LDAP by Logon Client



- **SyncAgent Support**

Sends Sync-Trigger-Packets to the SyncAgents at logon

Migration



- **UNC Path Support for OS/2 Aliases**

In conjunction with SyncAgent OS/2 aliases can be changed to Windows or Samba UNC paths

➡ Key functionality in *Comtarsia Migration Path*

LDAP **Logon Client**



- **LDAP Server Election Process**

Failover and Load Balancing

- **SSL/TLS Support**

Client Authentication available if needed

- **Manual and Automatic LDAP Configuration**

Preset by administrator, configuration via DNS

- **Comtarsia LDAP Schema Extension**

Used for saving resource and single sign on information in the LDAP user object (file & printer aliases, home directory and profile path, network applications, etc...)

RACF

- Direct logon of Windows workstations to z/OS SecureWay RACF/SDBM backend
- Supports RACF password policies
- Secure communication via SSL/TLS encryption
- Supports parallel LDAP directory for maintaining resource information with automatic password synchronization
- No separate user management necessary for Windows workstations

Single SignOn



- Domino
- Web Applications (Server and Form based)
- Windows Logon Dialog
- 3270 HLLAPI
- API for User Info and Synchronization
- Customizable



Your Company Logo in Logon Dialog

COMTARSIA



2003

SignOn Gate

Comtarsia SignOn Product Family

- Connects (independent) central user management with resource systems.
- Automatic user management including password synchronization for NT 4.0, W2K, ADS, Linux, Unix, Samba, ...
- Security on distributed systems
- Integration and migration of user databases and resource systems

The SignOn Agent makes sure that ..

- the user account exists
- the password is synchronized
- the group membership of the user is correct
- the home directory exists
- the ACLs for the user directory are correct
- on central deactivation of the user on the master domain the user is deactivated as well

SignOn Agent for Windows



- NT 4.0
- Windows 2000
- Active Directory
- LDAP



SignOn Agent for Linux

- Linux System User
- Samba
- Domino
- Oracle



SignOn Agent for AIX / SOLARIS

- Unix System User
- Samba

SignOn Proxy/Agent System

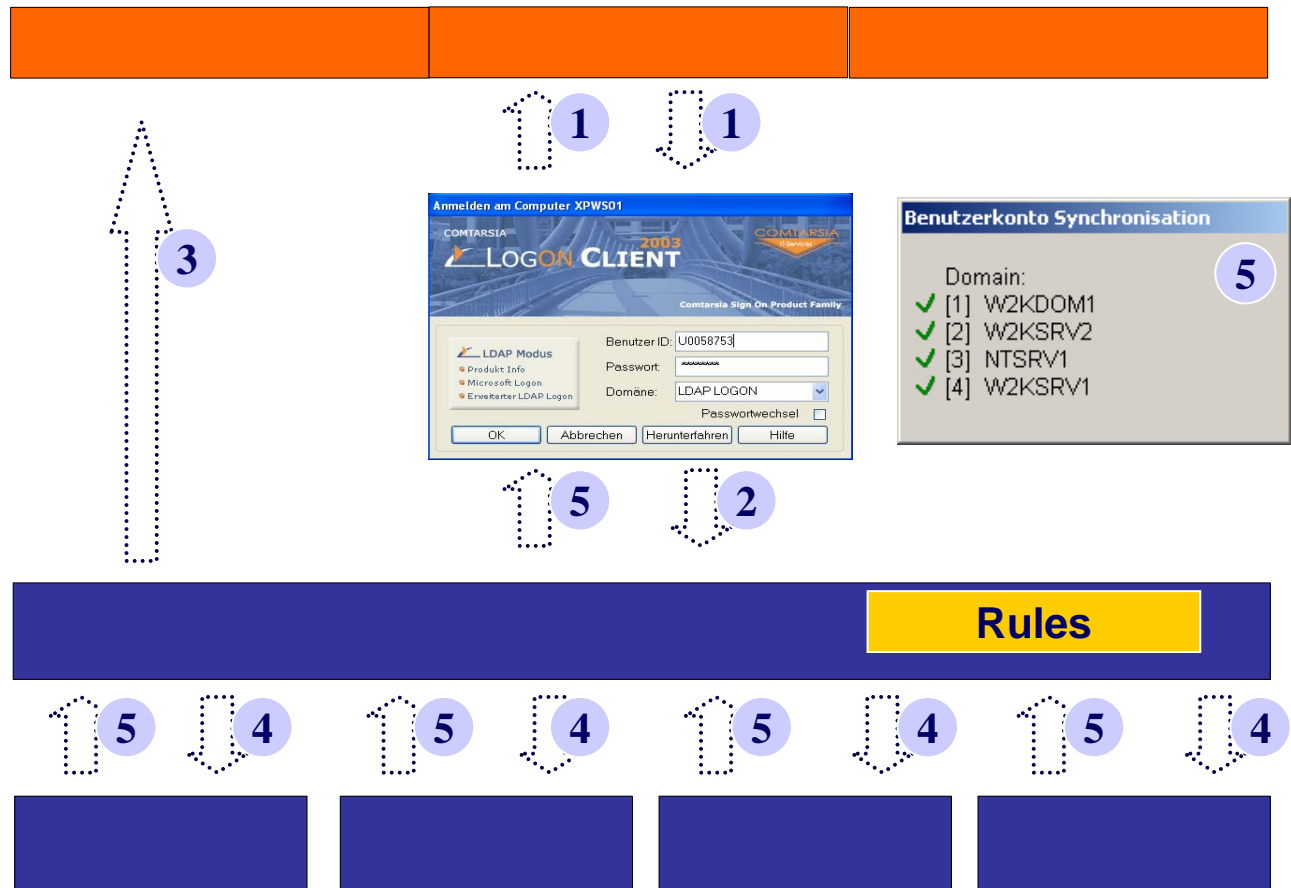
1.) Password check

2.) SignOn Packet

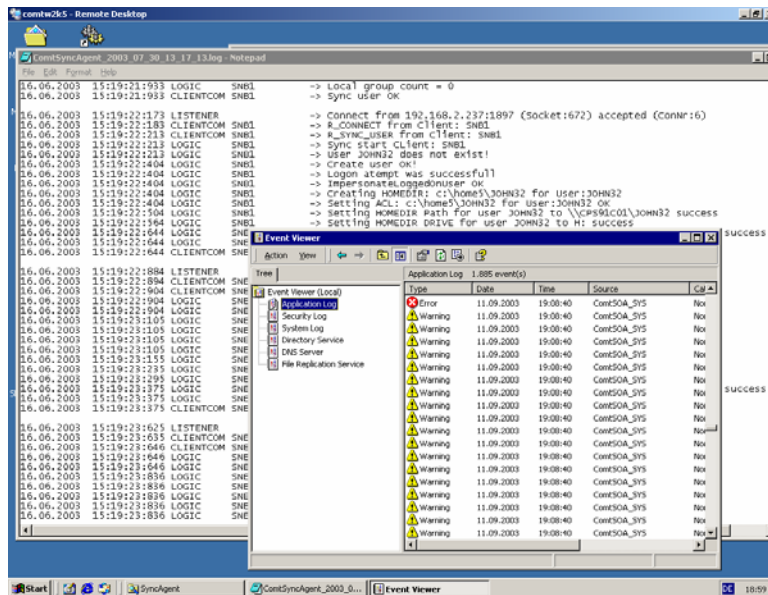
3.) Security Check
(Trust)

4.) SignOn Proxy Rules
(Failover or Load
Balancing)

5.) SignOn Status



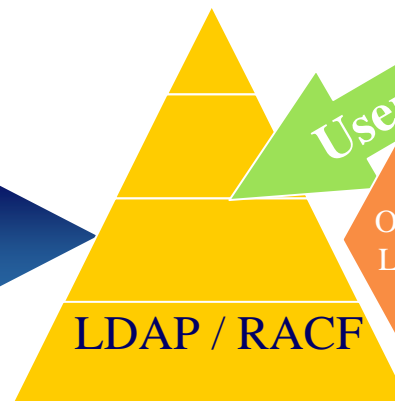
SignOn Proxy / SignOn Agent Monitoring



- Monitoring Interface
- Comprehensive Logging Functions

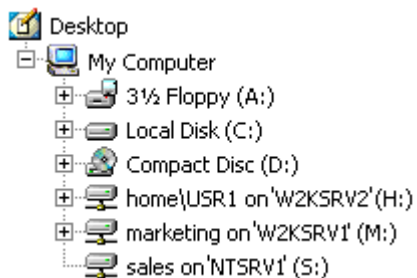
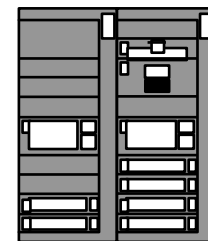


User-Management with LDAP



User Management

OS/390 RACF
LDAP Gateway



Access to all Resources



Active
Directory

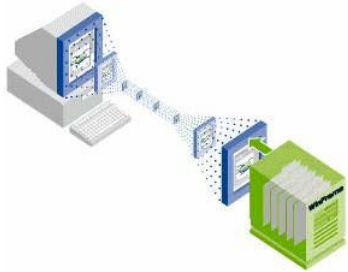


Linux /
Unix /
Samba



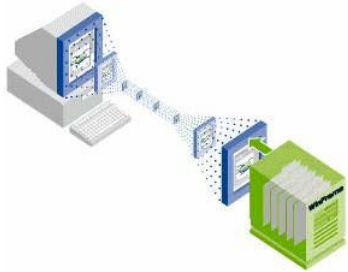
Domino
Oracle





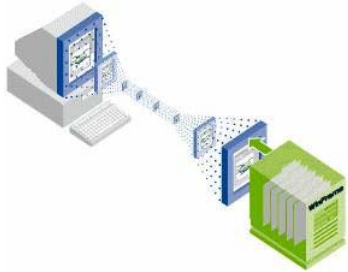
Terminal Server / Citrix

- OS/2 or LDAP Logon for Terminal Server / Citrix sessions
- No user management on Windows Server / Windows domain necessary
- Terminal Server session gets access to OS/2, Windows, and Linux Samba resources
- Logon Client Features:
Home directory, roaming profile, policies, network applications, network aliases, scripts



Terminal Server Standalone

- Comtarsia Logon Client and Sign On Gate can be installed on the server (no additional Server is necessary)
- Local user database is automatically managed by SignOn Agent



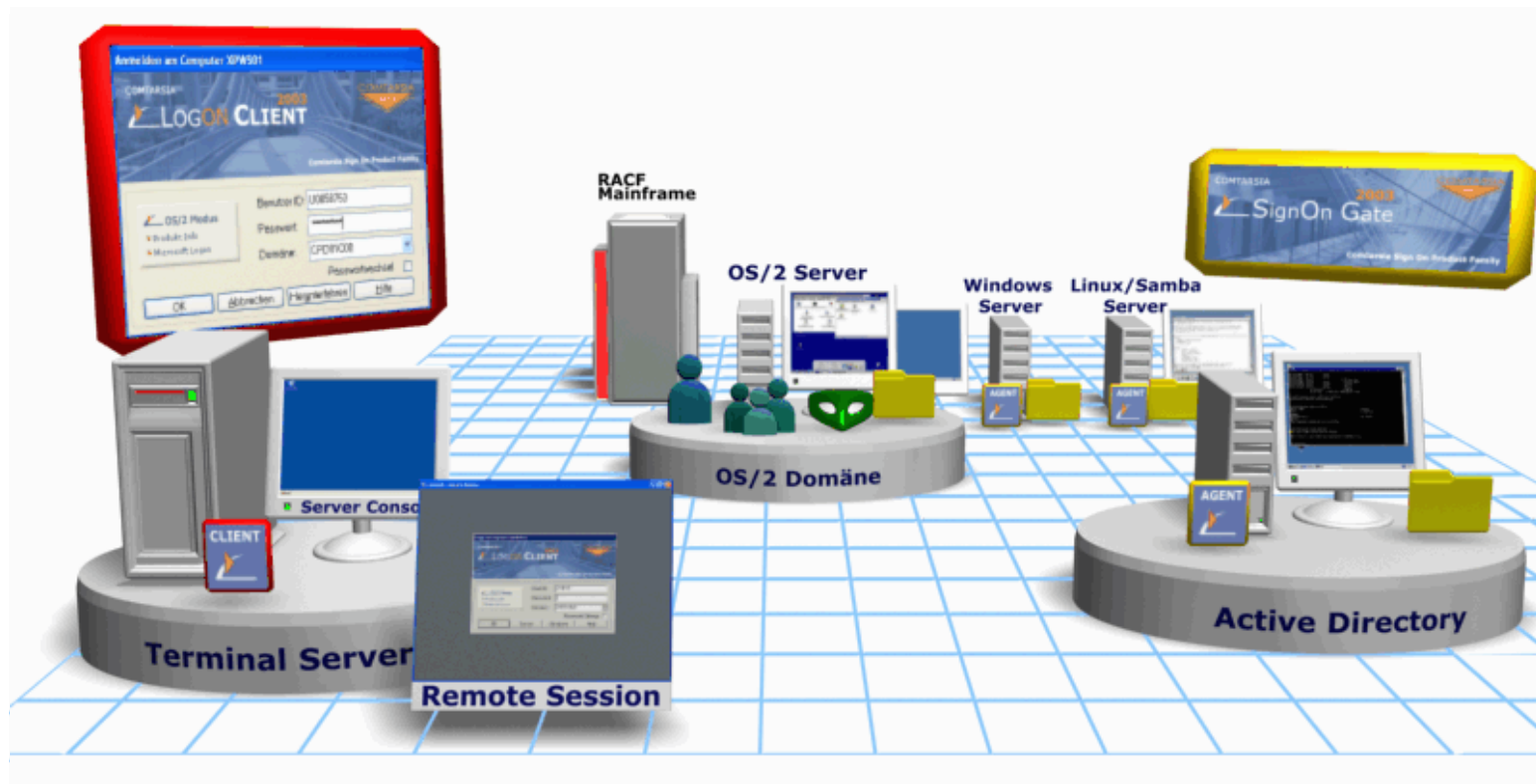
Terminal Server with ADS



- The Comtarsia Logon Client must be installed on all Terminal Servers
- Domain users are used instead of local user database
- The SignOn Agents must be installed on at least one ADS domain controller
- User management is carried out by SignOn Gate on the domain controller



Terminal Server with OS/2 and ADS





Terminal Server with OS/2 and ADS



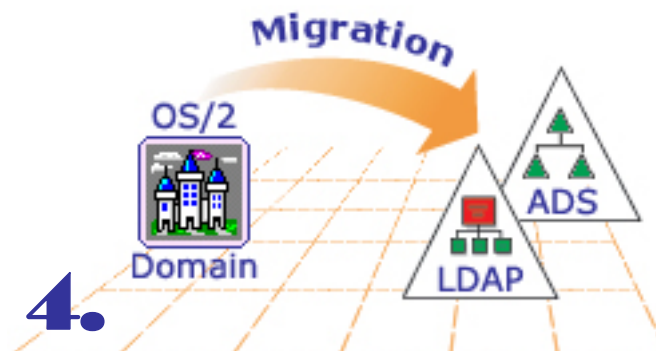
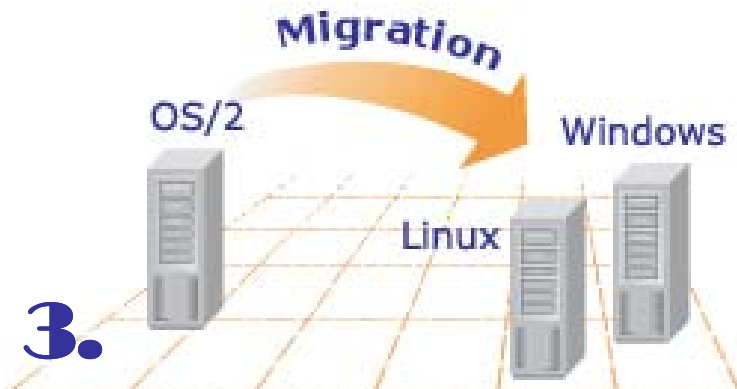
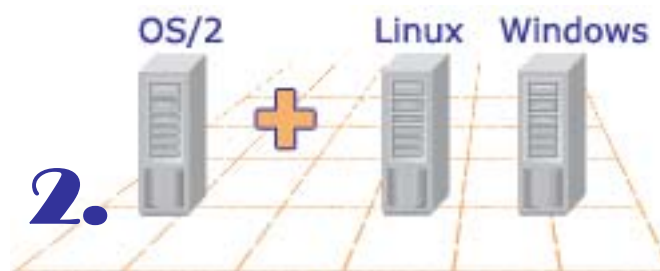


Summary

- Central User Management
- Windows System Integration in heterogeneous Networks
- Separation of User Management and Resource Management
- Single SignOn
- Automatic User Management on Resource Systems
- Simple Integration and Migration of User Management
- Simple Integration and Migration of Resource Systems
- Vendor and Platform Independence



Comtarsia Migration Path





Migration of OS/2 Workstation to Windows

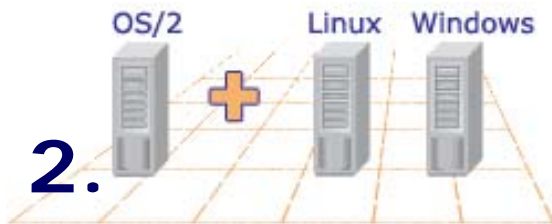
- **Comtarsia Logon Client 2003**

Client Support:

NT, W2K, Server 2003, WTS, Citrix

(Linux → Comtarsia Logon Client 2004 for Linux)

- **No Change on OS/2 System**



Integration of Additional Resources into OS/2 Managed Network

- **Comtarsia SignOn Gate 2003**

Agent Support for NT, Windows 2000 Server, Windows Server 2003, Linux, Samba

- **No change on OS/2 system**
- **OS/2 aliases for Windows, Linux / Samba resources**
- **OS/2 global groups can be mapped to local groups on resource server**

**3.**

Migration of OS/2 Resources to Windows or Linux

- **Comtarsia SignOn Gate 2003**

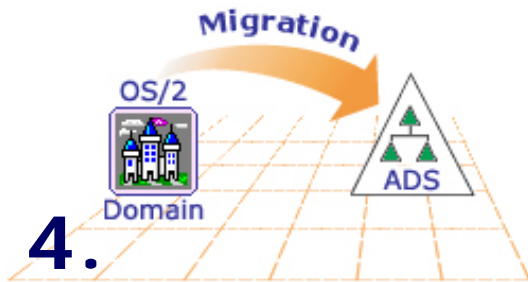
Agent Support for NT, Windows 2000 Server, Windows Server 2003, Linux, Samba

- **Copy files from the OS/2 Server to the target system**
- **Create Shares for each OS/2 alias on the target system**
- **Create local groups with ACLs**



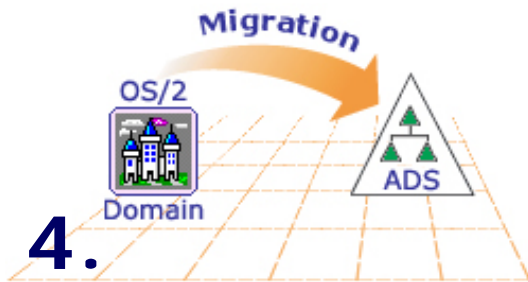
Migration of OS/2 Resources to Windows or Linux

- **Switch the OS/2 alias on the OS/2 domain controller to new server**
- **Next time user logs on the same drive letter gets mapped to same resource, but already on the new target system**
- **Assign local groups to OS/2 groups with Agent group mapping**



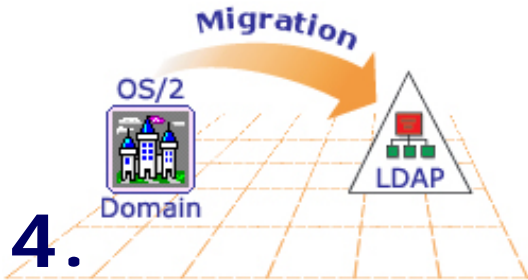
Migration of OS/2 Domain to Active Directory

- **SignOn Agents on the domain controllers have already synchronized the user database**
- **individual target OUs are configurable with the Agent**
- **additional information of the OS/2 user object (home directory, profile path, full user name) has also been transferred by the Agent**



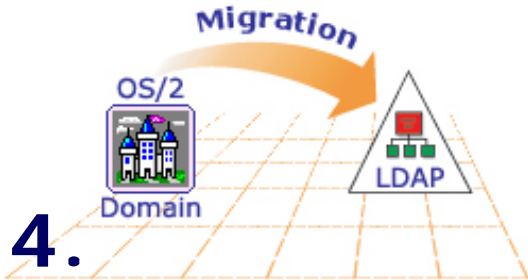
Migration of the OS/2 Domain to Active Directory

- **OS/2 groups are created as global groups by the Agent**
- **Migration tool „OS2MigrateUsers.exe“**
sends synchronization request for every user of OS/2 domain
- **OS/2 aliases and network applications must be replaced with alternatives (scripts etc.)**
- **Join workstation to Active Directory domain**
- **Change client configuration to direct ADS Logon**



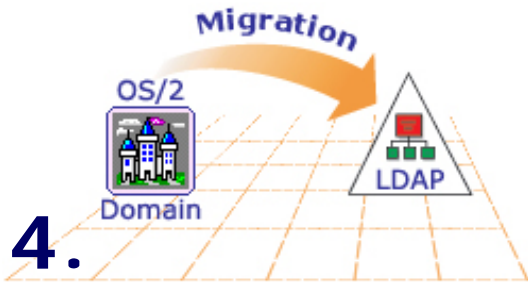
Migration of OS/2 Domain to LDAP

- **LDAP SignOn Agent has already filled up directory with user objects and current passwords**
- **Individual target OUs are configurable with the Agent**
- **LDAP schema extension for user attributes and templates for aliases and network applications**



Migration of the OS/2 Domain to LDAP

- **Migration Tool „OS2MigrateUsers.exe“**
sends synchronization request for every user of OS/2 domain
- **Migration Tool „OS2LDAPMigration.exe“**
transfers entire OS/2 domain to LDAP directory



Migration of OS/2 Domain to LDAP

- All information about groups, aliases and NWAs of OS/2 domain is now in directory and everything continues to work
- Change the client configuration to primary LDAP logon



Summary

- **Client support**
- **Smooth migration**
- **No interruption for user's activity**
- **Mixed environment**



Summary

- **RACF or LDAP for user management**
- **Flexible architecture**
- **Flexibility of user management platform**
- **No hash migration**



Reference Installations

- **UNIQA Insurance Austria**
- **Berliner Volksbank EG**
- **rbg Rechenzentrale Bayerischer Genossenschaften eG**
- **Harz University**
- **Max Planck Institute Leipzig**



Reference Installations

- **FIDUCIA Informationszentrale AG**
- **Firma Porr AG Wien**
- **Schweizerische Bundesbahnen**
- **Volksbanken and Sparkassen in Germany**



Reference Installations

- **Danish School of Journalism, Denmark**
- **Fisher & Co. Pty. Ltd , Australia**
- **D.N. American Inc**
- **1st PERSCOM, USA**

Thank you for your interest.