GOpdc

Web-integrated

Samba-LDAP Administration

Overview

- **Who we are**

- Short introduction

- Solutions and combinations

- Short explanation of function

- Live demonstration

L. Scheiter

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Linux-SE since 2000 and co-founder of GONICUS in February 2001. Special skills are

- Samba projects and development

- Networking and communications

- Storage and backup

- PHP-development

Dipl. Inform. R. Meiners

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Linux-Consultant since 1999 and co-founder of GONICUS in February 2001. Special skills are

- Migration of server-environments

- Clustering, e.g. High-Availability

- Storage and backup

- Groupware (e.g. Kolab)

- Virtualization technologies

GONICUS GmbH

- Independent Open-Source-Service-Provider

- Experiences in Mission-Critical- Computing

- Specialist in migration and integration of LINUX in heterogeneous environments

- Competence in IT-Security and objective Consulting

*King Penguin: (lat.) Aptenodytes Pata**gonicus**

GONICUS GmbH

- **Headquarter at Arnsberg**
  (Representatives in Bonn, Berlin and Munich)

- **about 25 employees**

- **Technical <u>and</u> economical know-how**

- **Internationale project experiences***

• Berlin

•Arnsberg

•Bonn

• Munich

*e. g. USA, China, and Europe

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Samba

Well known solution to make connections via the SMB protocol between *other* clients.

• Shares files

• Shares printers

• Supports ACL's

Samba 3

Actual version with much more functions like

• Direct working with CUPS

• Emulation of a domain controller

• Direct access to active directory

• Supports LDAP backend

Samba 3

Actual version with much more functions like

- Direct working with CUPS

- **Emulation of a domain controller**

- Direct access to active directory

- **Supports LDAP backend**

OpenLDAP

Well known open directory service for central managing of accounts, passwords etc.

- Optimized for reading data, so very fast

- Allows replication to many slaves

- Open interfaces, schema extensions

OpenLDAP

Provide a data-backend for samba

- To provide a directory function to our customers

- To implement a single-sign-on environment

- To realize a centralized management of

  distributed server structures

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Lack of combination

The combination of samba and LDAP is running well, but uncomfortable for daily administration

- Complex configuration

- Only shell interface

- limited functions for migration

Our idea of a solution

A combination of a user friendly platform independent interface. Supported by a framework for a comfortable administration.
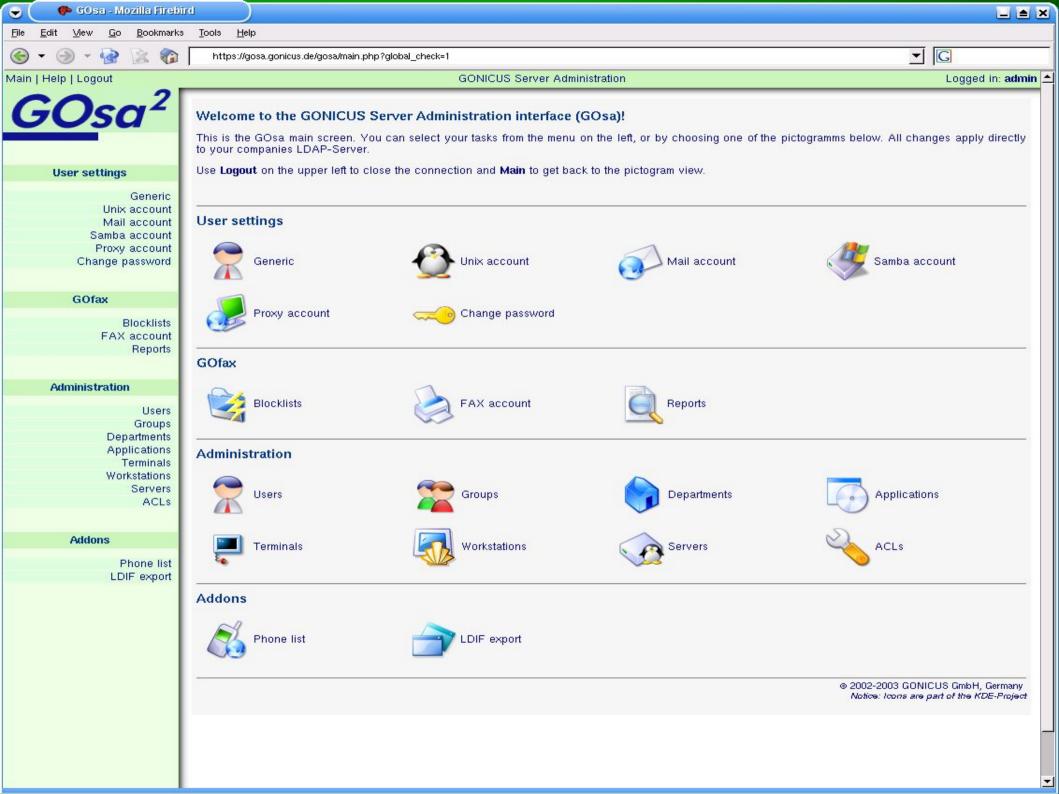
- Existing Web interface GOsa

- Development of GOpdc

GOnicus System Administrator

- Webbased frontend written in PHP

- Modular structure with different plugins

- Open-LDAP backend (default)

- Easy frontend for admins **and** users

- Management of different LDAP-trees

File   Edit   View   Go   Bookmarks   Tools   Help

https://gosa.gonicus.de/gosa/main.php?global_check=1

GOsa²

User settings

Generic
Unix account
Mail account
Samba account
Proxy account
Change password

GOfax

Blocklists
FAX account
Reports

Administration

Users
Groups
Departments
Applications
Terminals
Workstations
Servers
ACLs

Addons

Phone list
LDIF export

Welcome to the GONICUS Server Administration interface (GOsa)!

This is the GOsa main screen. You can select your tasks from the menu on the left, or by choosing one of the pictogramms below. All changes apply directly to your companies LDAP-Server.

Use **Logout** on the upper left to close the connection and **Main** to get back to the pictogram view.

User settings

Generic   Unix account   Mail account   Samba account

Proxy account   Change password

GOfax

Blocklists   FAX account   Reports

Administration

Users   Groups   Departments   Applications

Terminals   Workstations   Servers   ACLs

Addons

Phone list   LDIF export

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Notice: Icons are part of the KDE-Project

GOnicus System Administrator

- Management with ACLs, to setup different rights

  to groups

- Developed since 2001 and international support

- As a matter of course published under the terms

  of the GPL !

Allgemein	Unix	Mail	**Samba**	Proxy	FTP	Fax	Telefon	Referenzen

Dieser Benutzer hat den Samba-Zugriff aktiviert. Sie können diesen Zugriff durch einen Klick auf die untere Schaltfläche deaktivieren.

Samba-Konto entfernen

⊙ Allgemein

Verzeichnis [_____] [▾]

Domäne [WINNT-TEST ▾]

Anmeldeskript [_____]

Profil-Pfad [_____]

▣ Terminal-Server

☑ *Anmeldung am Terminalserver zulassen*

Verzeichnis [_____] [▾]

Profil-Pfad [_____]

☑ *Client-Konfiguration übernehmen*

Startprogramm [_____]

Arbeits Verzeichnis [_____]

Zeitlimit (in Minuten)

☐ Verbinden [____]

☐ Trennen [____]

☐ Leerlauf [____]

Clientgeräte

☑ Clientlaufwerke beim Anmelden verbinden

☑ Clientdrucker beim Anmelden verbinden

☑ Standardmäßig der Client-Hauptdrucker

Verschiedenes

Spiegeln [deaktiviert ▾]

Bei Trennung oder abgelaufenem Zeitlimit [trennen ▾]

Wiederherstellen falls unterbrochen [von jedem Client ▾]

🔑 Zugriffsoptionen

☐ Der Benutzer darf das Passwort von Client aus ändern
☐ Die Anmeldung vom Windows-Klienten erfordert kein Passwort
☐ Vorübergehende Deaktivierung des Samba-Zugriffs
☐ Passwort läuft ab am [13 ▾] [Dezember ▾] [2004 ▾]

Erlaube Verbindungen nur von diesen Arbeitsstationen

[_____]

Hinzufügen   Löschen

GOpdc

A subset of scripts to manage accesses between Samba and LDAP.

- Written in PHP
- Usable in shell
- Well documented
- Configured by a simple XML-file
- Easy to integrate in Samba
- Also licensed under GPL

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GOpdc configuration

The central configuration is stored in one single file, the `/etc/gopdc.xml`

- Written in XML

- Configuration of the domain

- Information for the LDAP-Server

- Possibilities for additional options

```xml
<config name="ldap">
        <option name="ldap_host" value="192.168.1.16"/>
        <option name="ldap_base" value="dc=demo,dc=de"/>
        <option name="ldap_binddn"
value="cn=ldapadmin,dc=demo,dc=de"/>
        <option name="ldap_pass" value="secret"/>
        <option name="ldap_tls" value="false" />
        <option name="ldap_port" value="389"/>
        <option name="ldap_prot" value="3"/>
        <option name="ldap_suf_user" value="ou=people"/>
        <option name="ldap_suf_group" value="ou=groups"/>
        <option name="ldap_suf_mach"
value="ou=winstations,ou=systems"/>
        <option name="ldap_replica_sleep" value="1"/>
    </config>
```

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GONICUS Solutions

GOsa² is frontend-technology for

GOto	ThinClient Concept
GOdcs	Communication Server
GOfon	VoIP System
GOfax	Fax/Mail-System
GOlab	Kolab-System

Questions?

For additional questions, contact us at :

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