

LDAP connectivity to the REDDOXX-Appliance

1. Basic facts

The REDDOXX appliance supports a LDAP connectivity to a variety of user backend systems. Depending on the LDAP server type the LDAP connector supports authorization of users, validation of recipient's email addresses and the automated creation of users at the REDDOXX appliance.

2. Supported systems and LDAP servers

In the following table set you will find the currently supported LDAP backend systems and the related feature sets.

LDAP-Server	User authentication	Recipient check	User auto creation	Email address import
Microsoft Active Directory with Exchange 2000+	yes	yes	yes	yes
Exchange 5.5	no	yes	no	no
Lotus Notes Domino 6+	yes	yes ²	yes	yes ²
Novell eDirectory	yes	no	no	no
OpenLDAP	yes	yes	yes	yes

² For Lotus Notes Domino there are following exceptions:

- Only following email addresses fields are valid:
The "Internet address" of a user or a group and
UserID@internet.maildomain of a user
- UserID must be unique!
- When importing email addresses only the field "Internet address" is supported.
Additional addresses can be added manually.

3. Configuration of the LDAP connectivity

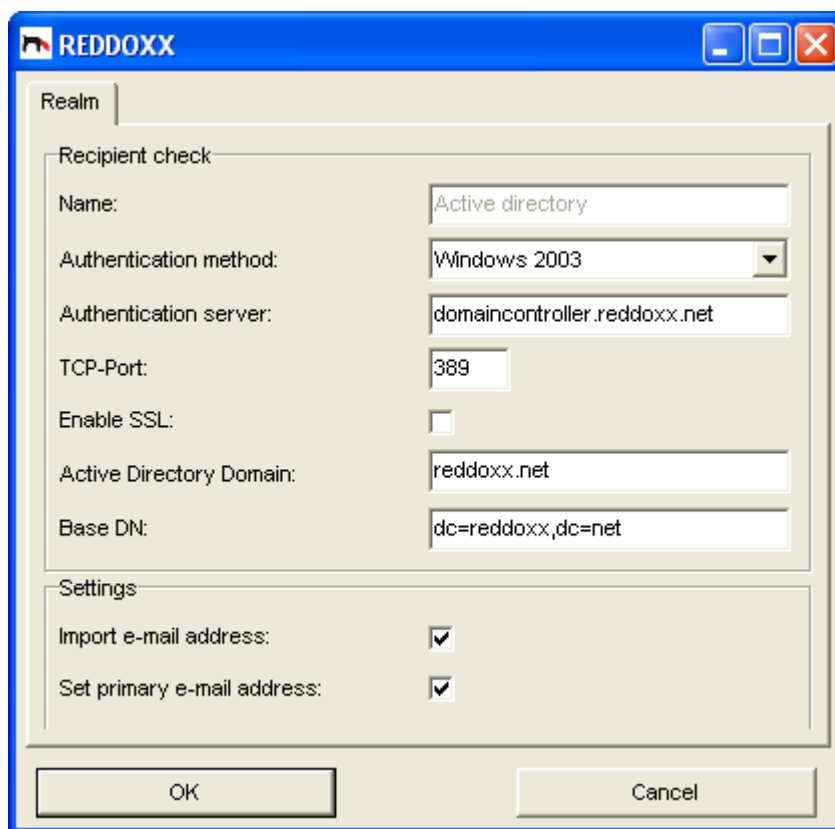
The configuration of the LDAP connectivity are divided into 2 parts.

- The user login is configured in der REDDOXX-Appliance as a so called Realm
- The validation of recipient's email addresses is configured at the corresponding mail domain.

3.1. Configuration of the user login with Microsoft Active Directory

Following network configuration is used for the example below:

Active Directory Domain: reddoxx.net
Domain-Controller: domaincontroller.reddoxx.net



The screenshot shows a configuration window titled 'REDDOXX' with a 'Realm' tab selected. The window contains the following fields and options:

- Recipient check:**
 - Name: Active directory
 - Authentication method: Windows 2003 (dropdown menu)
 - Authentication server: domaincontroller.reddoxx.net
 - TCP-Port: 389
 - Enable SSL:
 - Active Directory Domain: reddoxx.net
 - Base DN: dc=reddoxx,dc=net
- Settings:**
 - Import e-mail address:
 - Set primary e-mail address:

At the bottom of the window are 'OK' and 'Cancel' buttons.

The example is even the same if the domain controller is a Windows 2000.

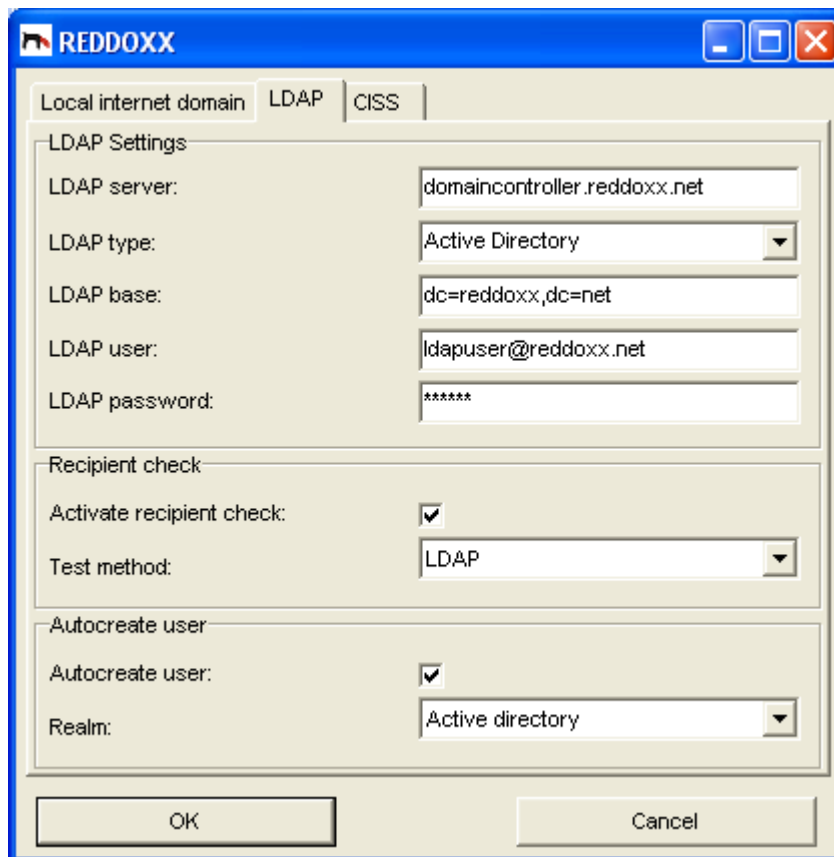
If "Import e-mail address" is activated, at each user login all email addresses gets imported from the active directory to the REDDOXX appliance,

„Set primary e-mail address“ means, that at each user login the primary email address of this user is set as the primary email address in the active directory.

3.2. Configuration of the email address validation with Microsoft Active Directory

Following network configuration is used for the example below:

Active Directory Domain: reddoxx.net
 Domain-Controller: domaincontroller.reddoxx.net
 LDAP-Benutzer: ldapuser



The example is even the same if the domain controller is a Windows 2000.

The LDAP user can be every simple user in the active directory.

„Activate recipient check“ means, if the corresponding internet domain does the validation of the recipient or not. As test method must be selected LDAP.

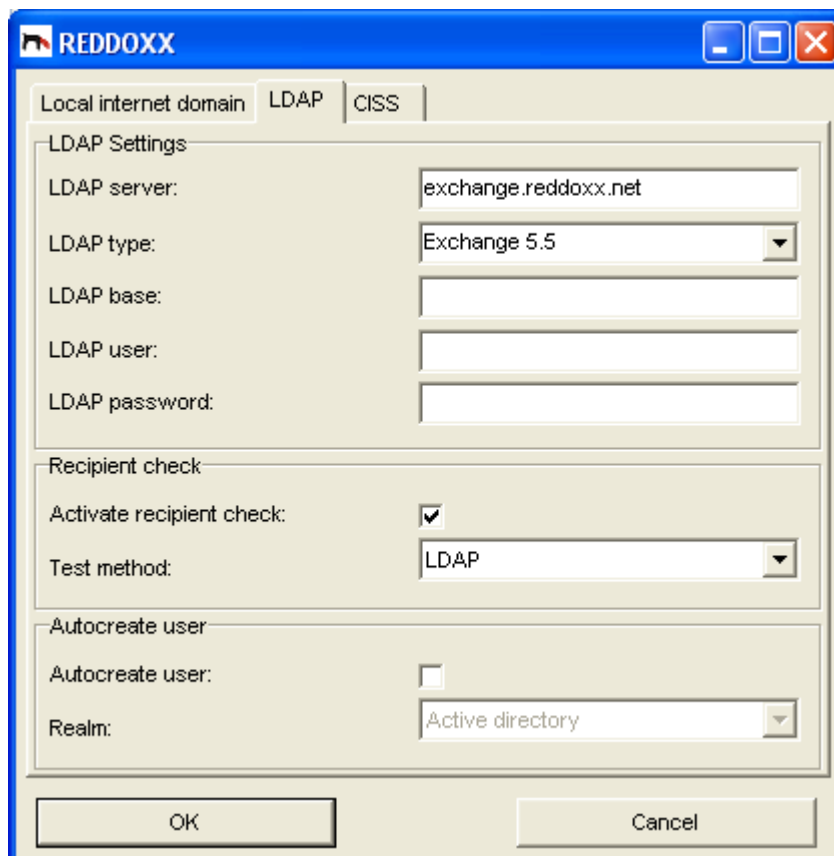
If „Autocreate user“ is activated, on each incoming email with a valid recipient address if the corresponding user exists on the REDDOXX appliance, If not, the user is automatically created. The realm defines in which realm the user is created.

Important! The realm must be the same as it is entered at the user logon prompt, which is also responsible for the login to the active directory.

3.3. Configuration of the email address validation with Microsoft Exchange 5.5

Following network configuration is used for the example below:

Exchange 5.5 Server: exchange.reddoxx.net



The screenshot shows the REDDOXX configuration dialog box with the following settings:

- Local internet domain: LDAP
- LDAP Settings:
 - LDAP server: exchange.reddoxx.net
 - LDAP type: Exchange 5.5
 - LDAP base: (empty)
 - LDAP user: (empty)
 - LDAP password: (empty)
- Recipient check:
 - Activate recipient check:
 - Test method: LDAP
- Autocreate user:
 - Autocreate user:
 - Realm: Active directory

Buttons: OK, Cancel

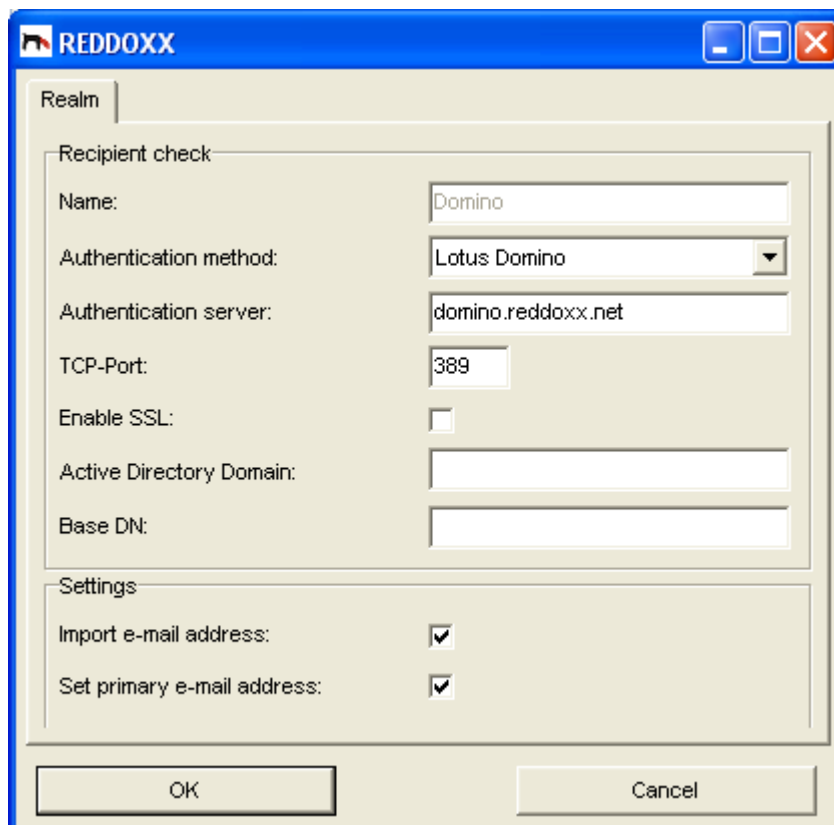
„Activate recipient check“ defines if the corresponding internet domain the validation of the recipient executes or not. As test method must be selected LDAP.

„Autocreate user“ must be activated, because this function is not supported with Exchange 5.5

3.4. Configuration of the user login with Lotus Notes Domino

Following network configuration is used for the example below:

Lotus Domino Server: domino.reddoxx.net



The screenshot shows a window titled "REDDOXX" with a "Realm" tab selected. The window is divided into two main sections: "Recipient check" and "Settings".

Recipient check:

- Name: Domino
- Authentication method: Lotus Domino (dropdown menu)
- Authentication server: domino.reddoxx.net
- TCP-Port: 389
- Enable SSL:
- Active Directory Domain: (empty text box)
- Base DN: (empty text box)

Settings:

- Import e-mail address:
- Set primary e-mail address:

At the bottom of the window are "OK" and "Cancel" buttons.

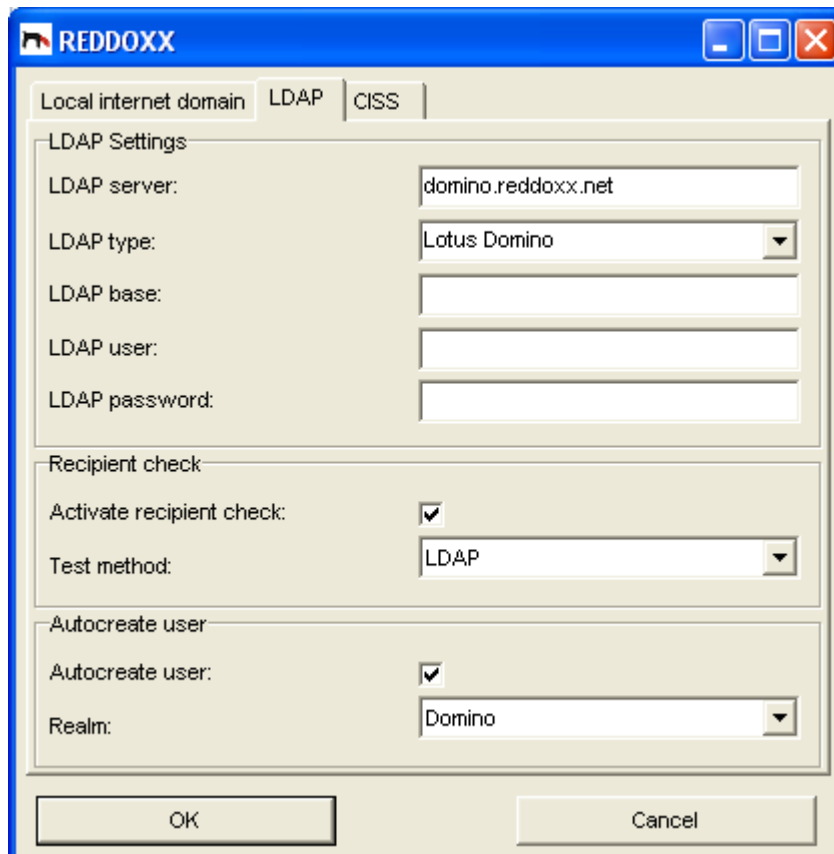
If „Import e-mail address“ is activated, at each user logon the „Internet Address“ is imported from Lotus Notes and the corresponding user is created.

„Set primary e-mail address“ defines, if at each user logon „Internet Address“ of the user is set as the primary address.

3.5. Configuration of the email address validation with Lotus Notes Domino

Following network configuration is used for the example below:

Lotus Domino Server: domino.reddoxx.net



The screenshot shows the REDDOXX configuration window with the 'LDAP' tab selected. The 'LDAP Settings' section includes fields for 'LDAP server' (domino.reddoxx.net), 'LDAP type' (Lotus Domino), 'LDAP base', 'LDAP user', and 'LDAP password'. The 'Recipient check' section has 'Activate recipient check' checked and 'Test method' set to LDAP. The 'Autocreate user' section has 'Autocreate user' checked and 'Realm' set to Domino. 'OK' and 'Cancel' buttons are at the bottom.

„Activate recipient check“ defines, if for the corresponding internet domain the validation of the recipient is executed or not. A test method must be LDAP selected.

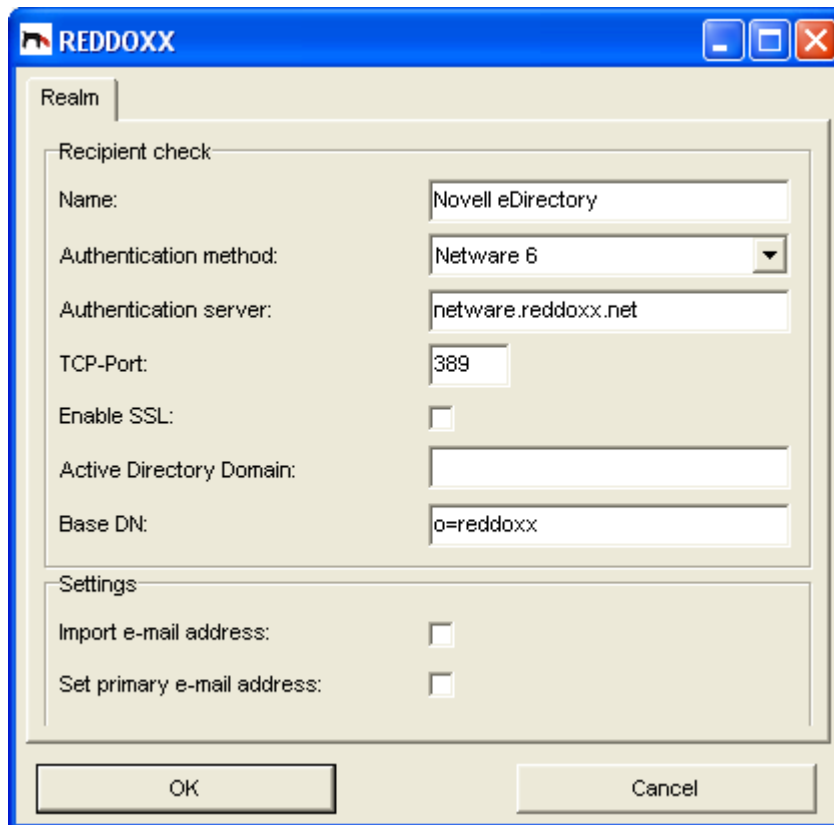
If „Autocreate user“ is activated, on each incoming email with a valid recipient address if the corresponding user exists on the REDDOXX appliance, If not, the user is automatically created. The realm defines in which realm the user is created.

Important! The realm must be the same as it is entered at the user logon prompt, which is also responsible for the login to the Lotus Notes Server.

3.6. Configuration of the user login with Novell eDirectory

Following network configuration is used for the example below:

Novell Netware-Server: netware.reddoxx.net



REDDOXX

Realm

Recipient check

Name: Novell eDirectory

Authentication method: Netware 6

Authentication server: netware.reddoxx.net

TCP-Port: 389

Enable SSL:

Active Directory Domain:

Base DN: o=reddoxx

Settings

Import e-mail address:

Set primary e-mail address:

OK Cancel

This example is also valid, if Netware 5 is used as eDirectory-Server.

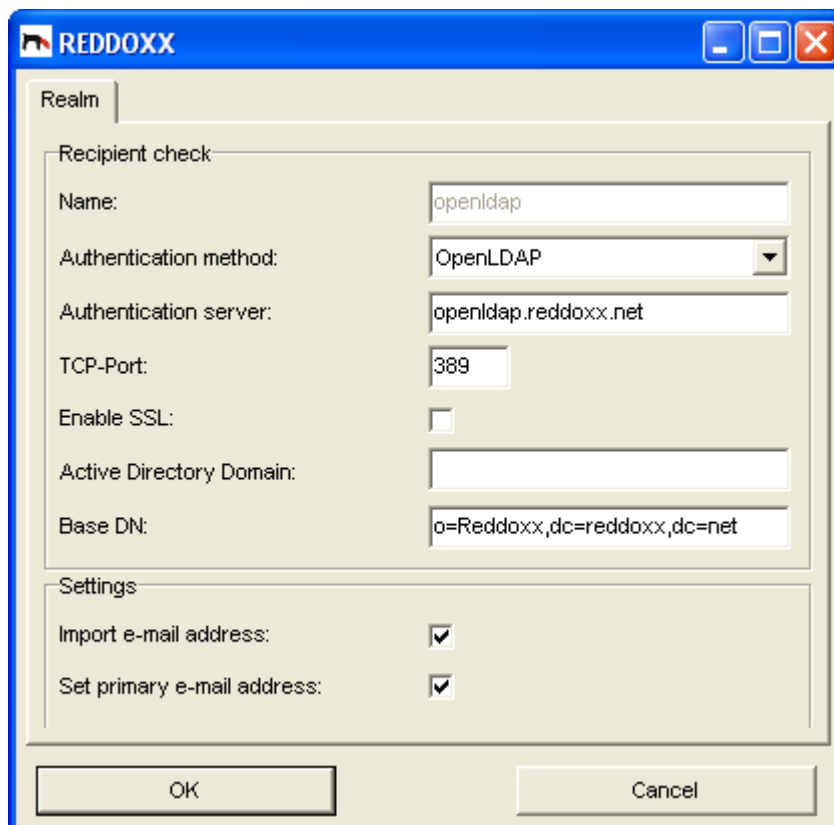
„Import e-mail address“ must be activated, because this function is not supported for Novell eDirectory.

„Autocreate user“ must be activated, because this function is not supported for Novell eDirectory

3.7. Configuration of the user login with OpenLDAP

Following network configuration is used for the example below:

OpenLDAP-Server: openldap.reddox.net



REDDOXX

Recipient check

Name: openldap

Authentication method: OpenLDAP

Authentication server: openldap.reddox.net

TCP-Port: 389

Enable SSL:

Active Directory Domain:

Base DN: o=Reddoxx,dc=reddox,dc=net

Settings

Import e-mail address:

Set primary e-mail address:

OK Cancel

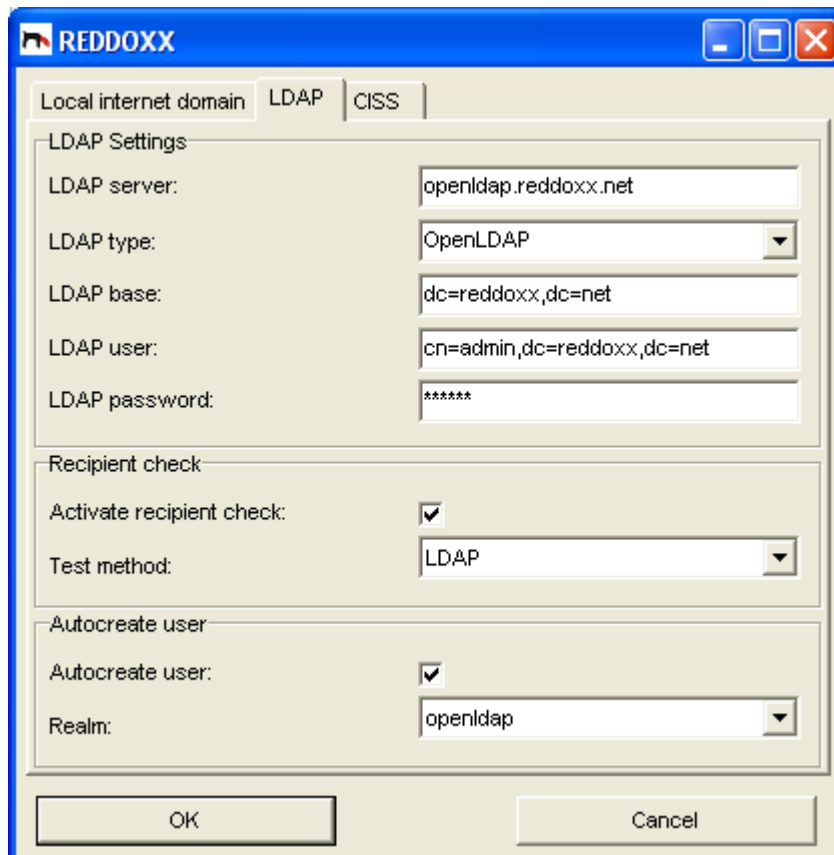
If „Import e-mail address“ is activated, at each user login all email addresses are imported automatically for the corresponding user from the LDAP directory.

„Set primary e-mail address“ defines, if at each user login the primary email address is set from the first address found out of the LDAP directory,

3.8. Configuration of the email address validation with OpenLDAP

Following network configuration is used for the example below:

OpenLDAP-Server: openldap.reddox.net
LDAP-Benutzer: admin



The LDAP user must have read access to the LDAP directory and to the attributes „uid“ and „mail“.

„Activate recipient check“ defines, if for the corresponding internet domain the recipient validation is executed or not. As test method must be LDAP selected.

If „Autocreate user“ is activated, on each incoming email with a valid recipient address it is verified if the corresponding ist exists or not. If not, it will be created automatically. The realm defines in which realm the user is created.

Important: The realm must bet he same as it is used at the user login prompt, which is also responsible for the corresponding LDAP server.