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## **The Concept**

### **GALsync 2.5**

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## Chapter 1: Documents

### ▶ Read GALsync Manual if you want to know

- How can I configure GALsync in detail?
- What system requirements does GALsync need?
- Which internal rules does GALsync use for synchronizing?
- May I get some best-practices tips?

### ▶ Read GALsync Quick Start if you want to know

- May I see some screenshots for understanding GALsync?
- How can I quickly test GALsync following some pre-configured settings?
- How can I configure synchronization without reading the manual?

### ▶ Read GALsync Concept if you want to know

- May I get some management summary for my bosses?
- What is the idea behind this software?
- What is the value for my company, my users and my it-staff?

## Chapter 2: Who needs GALsync

### Usability scenarios

#### ▶ Company spitted Active Directory model

Your company has one internal Active Directory and one separate Active Directory for company's sales representatives. You want all user objects and groups of the sales reps AD to be visible to your internal Outlook/Exchange users (using the Global Address List). Vice versa: You want all sales reps have access to information of a subset of the internal users.

#### ▶ Company take-over

Because of a company take-over you have to integrate different Active Directories and Exchange organizations. You have to share all or subsets of all user and group information for Outlook/Exchange users in the Global Address List

#### ▶ Company & Partners

Your company has a partner company and you want to share some user and group information for Outlook/Exchange users in the Global Address List.

#### ▶ Migration

Your company wants to migrate to a new Exchange organization. You have to ensure that all migrated users may send messages to users in the original organization and vice versa.

### Values for your IT staff

#### ▶ Simple to install

You should not need more than 30 minutes to setup and configure GALsync.

#### ▶ Easy to use

After reading this concept we hope that you can use the software without reading pages and pages in the manual.

▶ **No additional software or hardware required**

You do not need to use or license additional software – no database required.

You do not need any additional hardware – GALsync runs best on any of your domain servers.

**Values for your company**

▶ **Share addresses with your partners**

Improve collaboration between companies through direct sharing mail addresses and some further information.

▶ **Stop having hundreds of different addressbooks**

Improve efficiency of your employees by not needing individual and inconsistent personal address books. Addresses are always up-to-date!

▶ **No migration only because of messaging is required**

If you have different directories and do not want to integrate them, you are nevertheless able to share mail addresses.

**Values for your users**

▶ **Outlook, OWA, Blackberry & mobile devices**

Select addresses directly from Outlook, OWA , PDA . . . Everything is inside GAL !

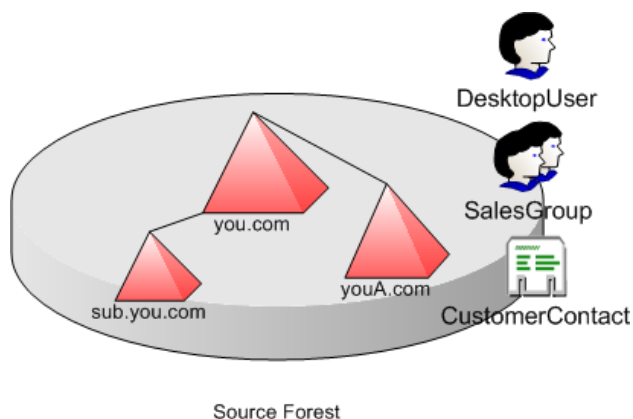
▶ **Consistency of information**

No user interaction required when addresses are modified. Your helpdesk will be happy.

## Chapter 3: GALsync – the idea behind . . .

### ▶ Your situation

You have a lot of users, groups and contacts in your forest.



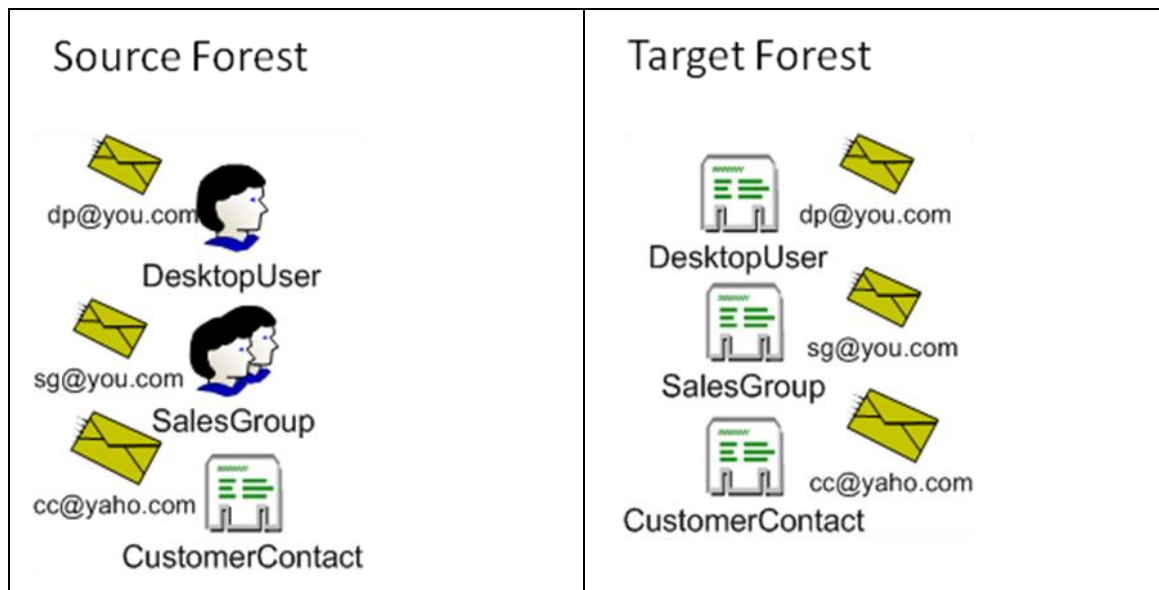
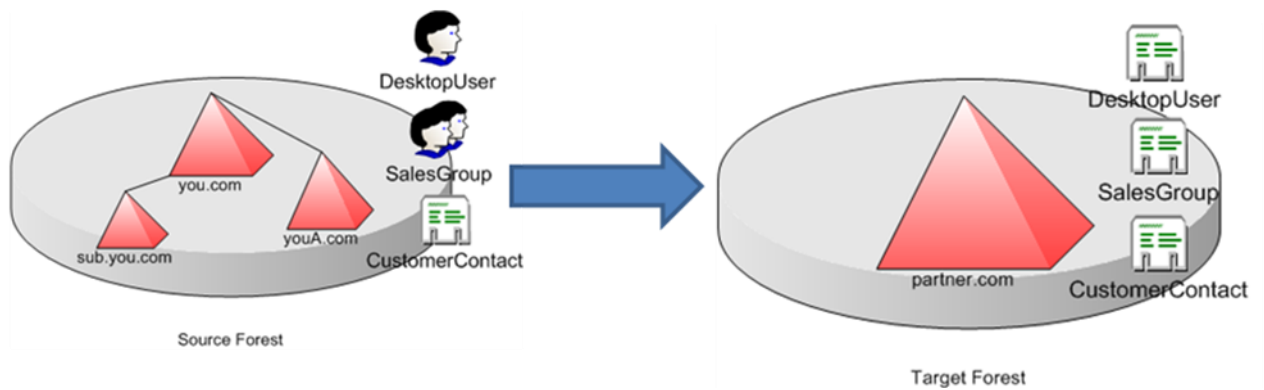
### ▶ New requirements

Because of a company takeover, an outstanding migration or a spitted company model you want your objects to be visible in the GAL of the other forest.

### ▶ What we basically do

The selected objects in your forest will be synchronized to the target forest. In target forest the objects will be created as contacts. The email addresses in the target reference to your source domain.

Note: If we use the terms source and target we speak about an uni-directional synchronization. It is no problem to use all the described techniques to setup a bi- or multi-directional synchronization.

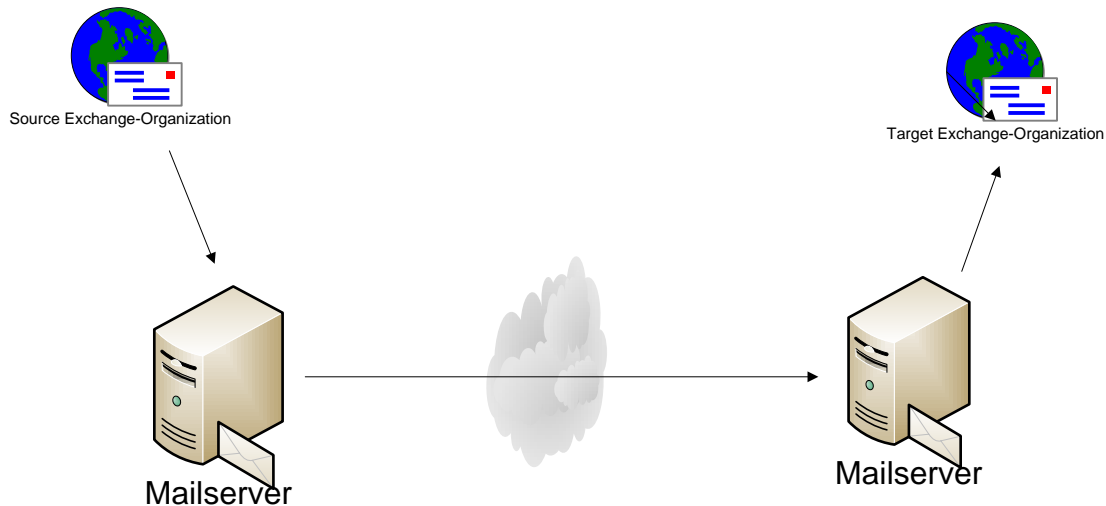


► **Transfer of data to target**

Regarding security you may choose between different options how data will be transferred between source and target.

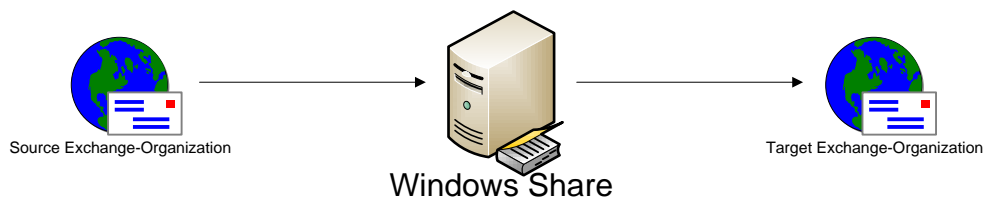
### Choice 1:

You may export your objects (stored in a file) by sending a message to a special recipient at your partner's site. The attachment will be automatically extracted and imported to Active Directory.



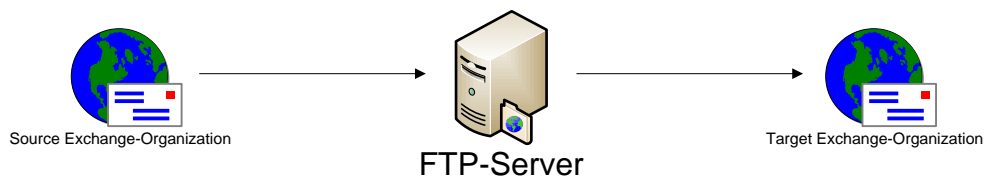
### Choice 2:

You may export your objects (stored in a file) to a windows shared folder your partner organization will download the file from. This option you may use in migration scenarios where a trust or low security is possible



### Choice 3:

You may export your objects (stored in a file) to an ftp-server your partner organization will download the file from.



▶ Where GALsync should be installed

In most scenarios it is recommended to install GALsync on a server of each organization.

▶ And that all you may do vice versa!

In some scenarios you may want to perform a bi-directional synchronization. This is very simple: do the same actions just vice versa. Export objects from the partner's domain to your domain.



## Chapter 4: Main Features

### ▶ Choose the objects you need

Select all objects or subsets of objects to export to the other AD. While GALsync is used for Outlook/Exchange it will only consider mail-enabled objects. Additionally you can exclude objects by using a configurable phrase in a configurable custom attribute.

### ▶ Modify imported object values

You may want to modify values before importing objects to your directory. You can configure values which are pre- or post set to the original value or you may replace certain strings found.

### ▶ Multiple domains

Select objects in any of the domains in your forest to export. GALsync is cross-domain capable.

### ▶ Choose your Transmission Protocol according to your Security requirements

GALsync allows you an integrated handing-over of the selected information to the other Active Directory by using a Windows Share, by FTP or by SMTP.

### ▶ Secure Data Transmission

Data are transmitted encrypted between the different Active Directories. So no one can read your object's details during the transmission from source to target.

While Exporting your information you create a secure key which has to be sent separately to the administrator of the other side. Only with this secure key he may import the data.

### ▶ Up-to-date software

GALsync is written in managed code using .NET framework 2.0. It runs on 32 or 64bit Windows platforms. GALsync works with all current Exchange and active Directory versions.

▶ **Compliance and monitoring**

GALsync logs all operations so you are able to fulfill compliance requirements.

▶ **Direct support**

As good the software is as better the support is. In any case of questions or problems you will have a personal and direct support.

▶ **Tested and Supported platforms**

GALsync has been tested on

- Windows 2000 SP4 with Exchange 2000 SP3

- Windows 2003 R2 SP2 with Exchange 2003 SP2 (Domain Controller, Mail Server and File Server separated)

- Windows 2003 R2 SP2 with Exchange 2007 SP1 (Domain Controller, Transport Role, Mailbox Role, CAS Server and File Server separated)

- Windows XP SP 3 and higher

- Windows Vista SP1 and higher

Tested languages: English and German

## Chapter 5: How GALsync works - example scenario

### **Task:**

Users in forest B should be able to list with OUTLOOK the mail-objects of forest A.

### **Technical architecture of GALsync:**

#### 1. Export

- a. Install GALsync on a computer in forest A and configure an export-profile
- b. GALsync exports the selected objects of forest A to a local xml-file in folder "export".
- c. This object file may be encrypted
- d. If you selected Email as transfer-protocol, this object file will be sent to a given smtp-address in Forest B
- e. The configuration is stored in an xml-file in folder "profiles" so that you are able to repeat these steps.

#### 2. Import

- a. Install GALsync on a computer in forest B and configure an import-profile
- b. If you configure Email as transfer-protocol, GALsync downloads the attachment file from the mailbox and stores it to a local xml-file in folder "import".
- c. GALsync will extract the content of the data file and import them into the Active Directory of Forest B into an Organizational Unit you have created during configuration
- d. The configuration is stored in an xml-file in folder "profiles" so that you are able to repeat these steps.