

# HOW TO RELAY SELECTED MAILBOXES USING ISPCONFIG 3

I hit an intriguing problem as I needed to relay selected mailboxes rather than the whole domain. I assume that you have already noticed that everything needs to happen on the same domain. It is rare and quite interesting task so I will quickly describe it here using ISPConfig 3 but beware as this is a very specific topic so I strongly suggest to investigate it further before applying any changes.

## Preliminary information

I will create *example.org* email domain to locally

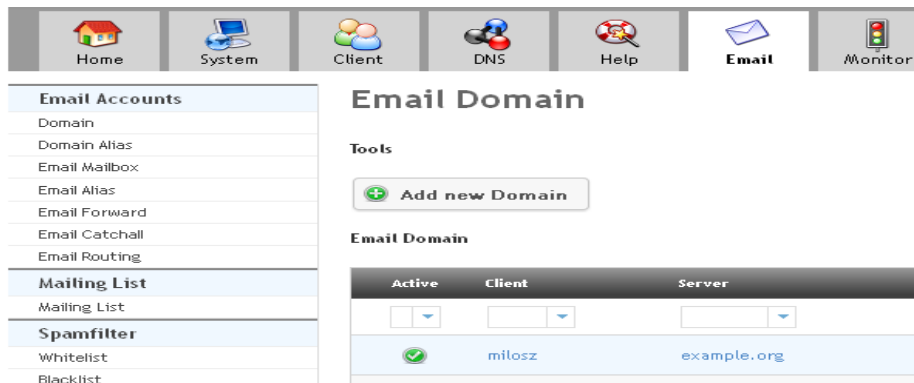
store *milosz@example.org* mailbox and

*relayrelay\_test1@example.org*, *relay\_test2@example.org* to the *1.2.3.4* server.

I will use ISPConfig 3 on CentOS as this is an easiest way to explain this idea.

## Step 1 - Email Domain

Login to ISPConfig 3 and create email domain.

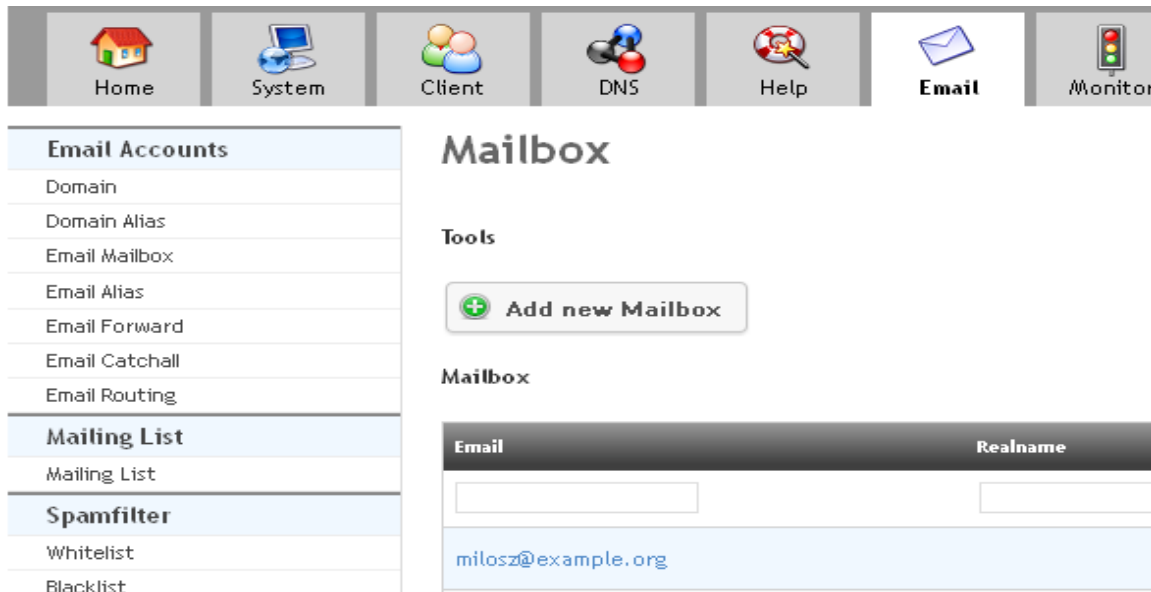


The screenshot displays the ISPConfig 3 web interface. At the top, there is a navigation bar with icons for Home, System, Client, DNS, Help, Email, and Monitor. Below this, a sidebar menu on the left lists various email-related options: Email Accounts (Domain, Domain Alias, Email Mailbox, Email Alias, Email Forward, Email Catchall, Email Routing), Mailing List, and Spamfilter (Whitelist, Blacklist). The main content area is titled 'Email Domain' and includes a 'Tools' section with an 'Add new Domain' button. Below that, the 'Email Domain' section shows a table with columns for 'Active', 'Client', and 'Server'. A single entry is visible with a green checkmark in the 'Active' column, 'milosz' in the 'Client' column, and 'example.org' in the 'Server' column.

Active	Client	Server
<input checked="" type="checkbox"/>	milosz	example.org

## Step 2 - Email Mailbox

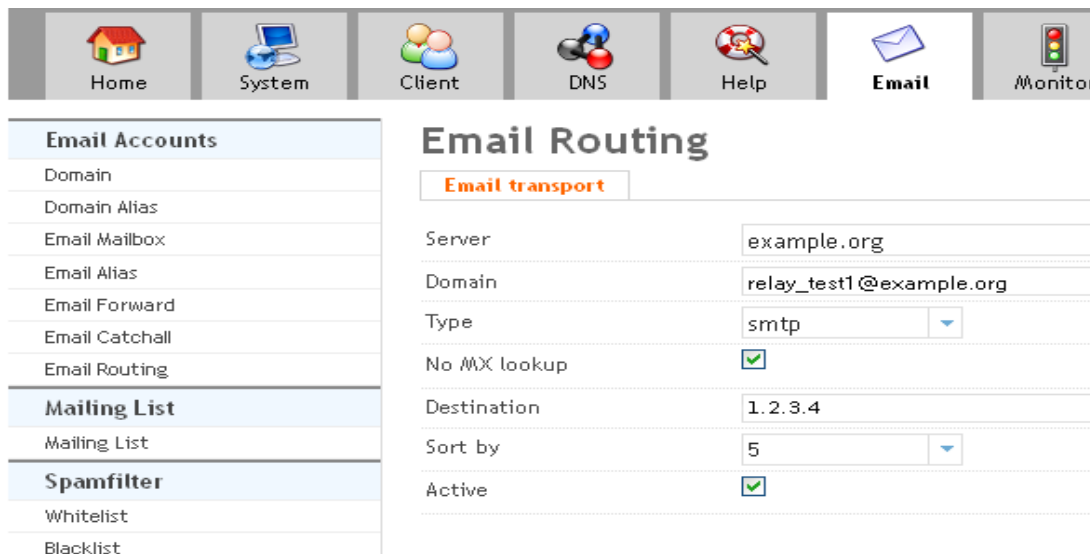
Add email mailboxes handled locally by the mail server.



The screenshot shows a web interface with a navigation bar at the top containing icons for Home, System, Client, DNS, Help, Email, and Monitor. The 'Email' icon is highlighted. On the left, a sidebar menu lists 'Email Accounts' (Domain, Domain Alias, Email Mailbox, Email Alias, Email Forward, Email Catchall, Email Routing), 'Mailing List' (Mailing List), and 'Spamfilter' (Whitelist, Blacklist). The main content area is titled 'Mailbox' and includes a 'Tools' section with a '+ Add new Mailbox' button. Below this is a 'Mailbox' table with columns 'Email' and 'Realname'. One entry is visible: 'milosz@example.org'.

## Step 3 - Email Routing

Create rules that will relay email only for selected mailboxes.



The screenshot shows the 'Email Routing' configuration page. The navigation bar is the same as in Step 2, with 'Email' highlighted. The sidebar menu is also the same. The main content area is titled 'Email Routing' and features a tab labeled 'Email transport'. The configuration fields are as follows:

Server	example.org
Domain	relay_test1@example.org
Type	smtp
No MX lookup	<input checked="" type="checkbox"/>
Destination	1.2.3.4
Sort by	5
Active	<input checked="" type="checkbox"/>

Notice that you need to enter email address into the domain field.

Do not add locally stored mailboxes here.

## Step 4 - Relay Recipient

Add email addresses for which you permit mail relaying.

# Relay recipients

## Tools

 Add new relay recipient

## Relay recipients

Active	Server	Recipient address
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
<input checked="" type="checkbox"/>	example.org	relay_test1@example.org
<input checked="" type="checkbox"/>	example.org	relay_test2@example.org


Page 1

## Step 5 - Database

Open *dbispconfig* database and create new view which will be used in the next step.

```
CREATE VIEW my_virtual_mailboxes
AS
SELECT u.email AS email
FROM mail_user AS u
WHERE ((u.postfix = 'y')
      AND (u.server_id = '1'))
UNION
SELECT r.source AS email
FROM mail_relay_recipient AS r
WHERE ((r.active = 'y'))
```

```
AND (r.server_id = '1'));
```




 Pokaż rekordy 0 - -1 (0 wszystkich, Wykonanie zapytania trwało 0.0004 sekund(y))

zapytanie SQL:

```
SELECT *  
FROM 'my_virtual_mailboxes'  
LIMIT 0, 30
```

Pokaż:  rekordów począwszy od   
w trybie  powtórz nagłówki po  komórkach

	email
<input type="checkbox"/>	milosz@example.org
<input type="checkbox"/>	relay_test1@example.org
<input type="checkbox"/>	relay_test2@example.org

[Zaznacz wszystkie](#) / [Odznacz wszystkie](#) Zaznaczone:   

This is an important part because postfix needs to accept email to *the locally stored mailboxes* **and** *strictly permitted addresses before relaying them.*

## Step 6 - Postfix

Change virtual mailboxes table name to the recently created view.

```
$ cat /etc/postfix/mysql-virtual_mailboxes.cf  
  
user = ispconfig  
  
password = ...  
  
dbname = dbispconfig  
  
#table = mail_user  
  
table = my_virtual_mailboxes  
  
select_field = CONCAT(SUBSTRING_INDEX(email,'@',-  
1),'',SUBSTRING_INDEX(email,'@',1),'')  
  
where_field = email  
  
additional_conditions =
```

```
hosts = 127.0.0.1
```

This is a quite easy solution for this specific problem although you don't need to install ISPConfig to achieve it. Just set up a small machine in a lab and modify postfix configuration by hand. It will require a bit of further reading but you already have all necessary information.

Source: <https://blog.sleeplessbeastie.eu/2013/05/01/how-to-relay-selected-mailboxes-using-ispconfig-3/>