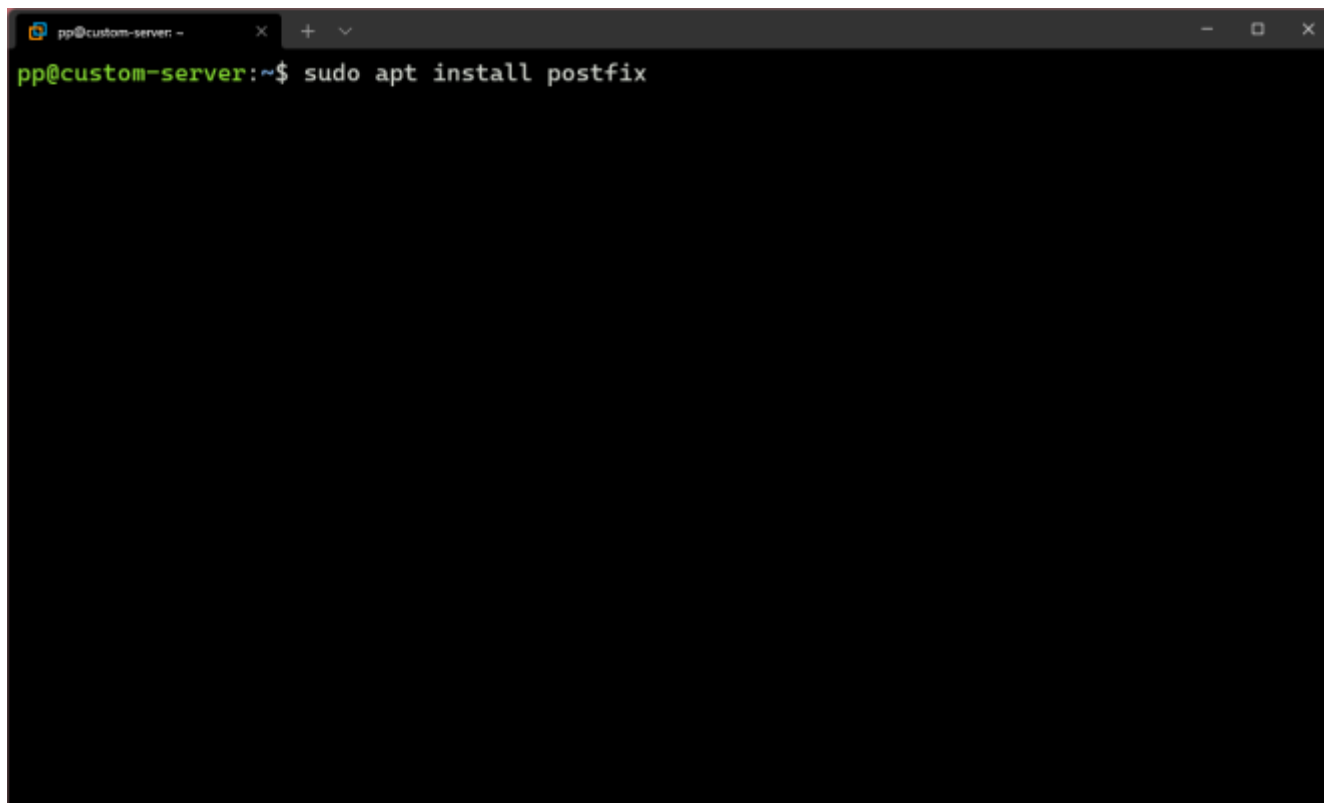


# Poczta elektroniczna

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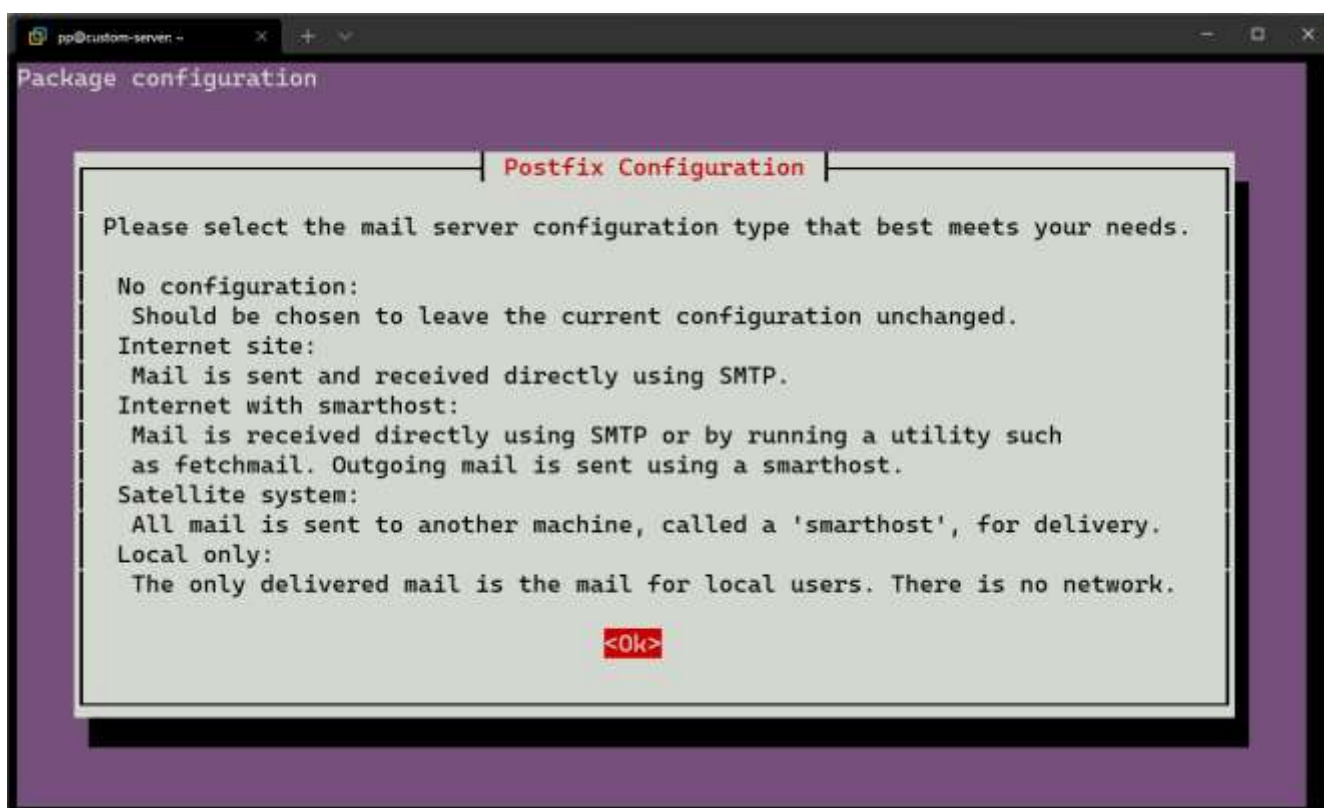
## 1. Instalacja pakietów serwera poczty wychodzącej

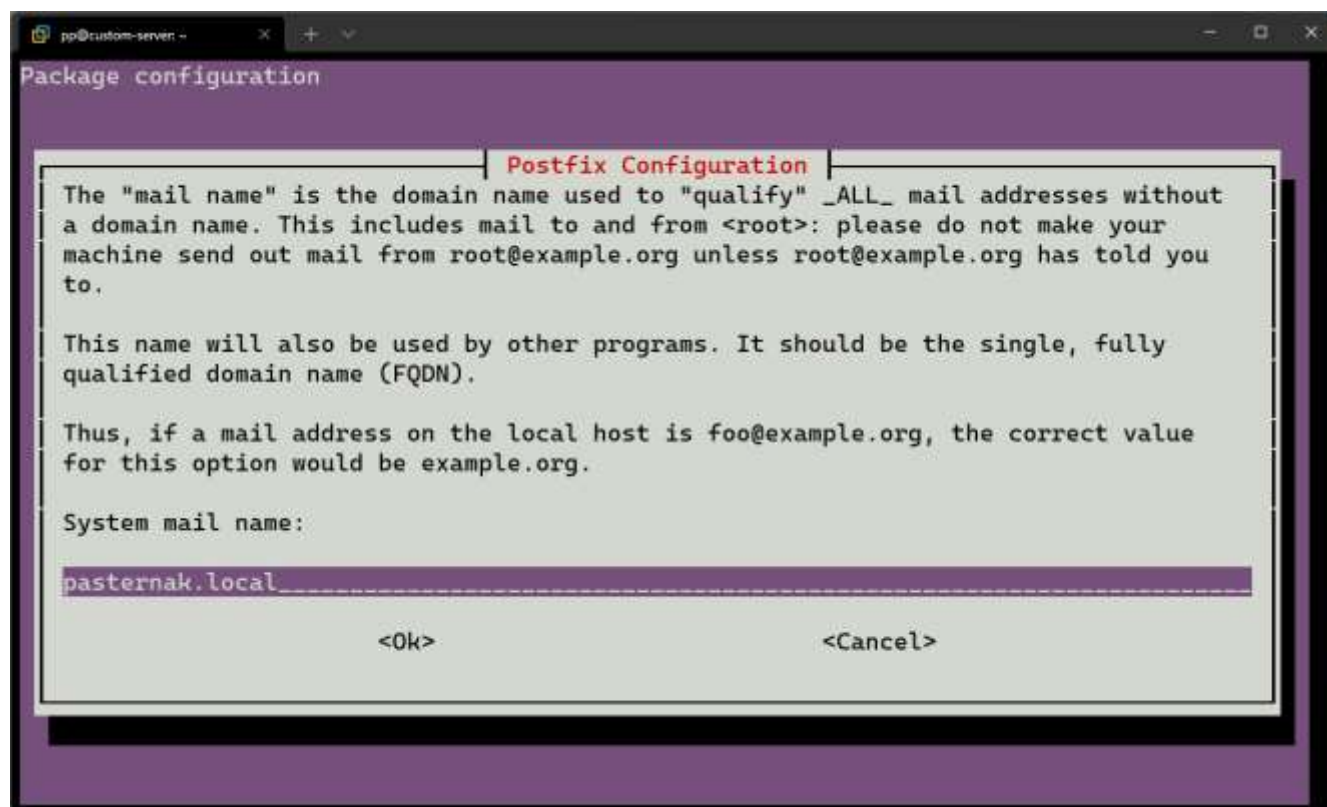
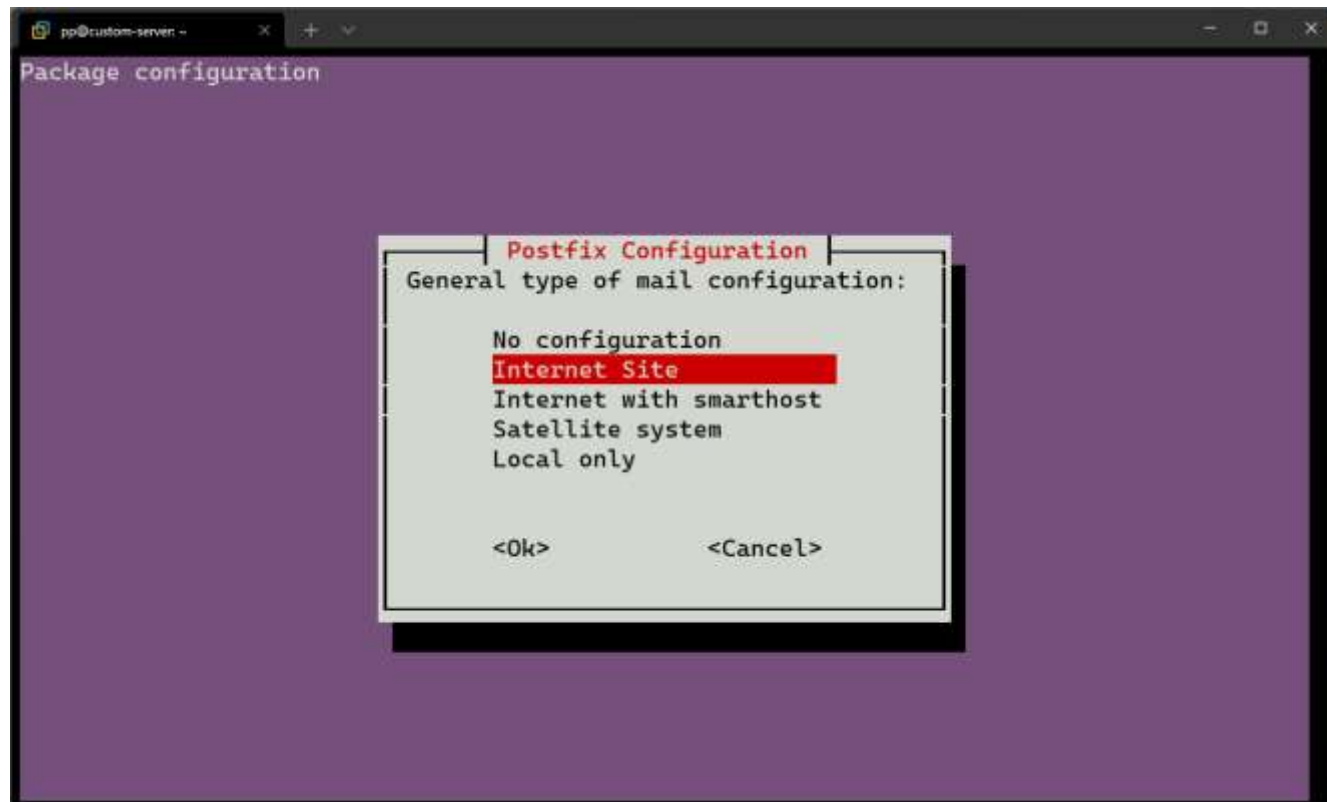


A terminal window titled 'pp@custom-server ~' with a dark background. The command 'sudo apt install postfix' has been entered at the prompt 'pp@custom-server:~\$'.

```
pp@custom-server:~$ sudo apt install postfix
```

### Konfiguracja podczas instalacji





## 2. Konfiguracja serwera poczty wychodzącej – postfix

```
pp@custom-server:~$ ls /etc/postfix/
dynamicmaps.cf      main.cf.proto  master.cf.proto  postfix-script
dynamicmaps.cf.d    makedefs.out   postfix-files     post-install
main.cf             master.cf      postfix-files.d   sasl
pp@custom-server:~$
```

```
smtpd_tls_key_file=/etc/ssl/private/ssl-cert-snakeoil.key
smtpd_tls_security_level=may

smtp_tls_CApath=/etc/ssl/certs
smtp_tls_security_level=may
smtp_tls_session_cache_database = btree:${data_directory}/smtp_scache

smtpd_relay_restrictions = permit_mynetworks permit_sasl_authenticated defer_unauth_destination
myhostname = pasternak.local
mydomain = pasternak.local
alias_maps = hash:/etc/aliases
alias_database = hash:/etc/aliases
myorigin = $mydomain
mydestination = pasternak.local, $myhostname, custom-server, localhost.localdomain, localhost
relayhost =
mynetworks = 127.0.0.0/8 192.168.1.0/24 [::ffff:127.0.0.0]/104 [::1]/128
mailbox_size_limit = 0
recipient_delimiter = +
inet_interfaces = all
inet_protocols = all
home_mailbox = /MailDir/
"/etc/postfix/main.cf" 49L, 1439C written
```

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TEST

```
pp@custom-server:~$ telnet localhost 25
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^]'.
220 pasternak.local ESMTD Postfix (Ubuntu)
ehlo localhost
250-pasternak.local
250-PIPELINING
250-SIZE 10240000
250-VRFY
250-ETRN
250-STARTTLS
250-ENHANCEDSTATUSCODES
250-8BITMIME
250-DSN
250-SMTPUTF8
250 CHUNKING
mail from: pp@pasternak.local
250 2.1.0 Ok
rcpt to: testuser@pasternak.local
250 2.1.5 Ok
data
354 End data with <CR><LF>.<CR><LF>
JEJ
Już weekend! :D

Pozdrawiam z rodzinką
pp
.
```

```
pp@custom-server:~$ sudo tree /home/testuser/MailDir/
/home/testuser/MailDir/
├── cur
├── new
│   └── 1648217894.V802I30063aM756570.custom-server
└── tmp

3 directories, 1 file
pp@custom-server:~$ sudo vim /home/testuser/MailDir/
pp@custom-server:~$
```





## 4. Konfiguracja serwera poczty przychodzącej – dovecot

```

# Dictionary can be used to store key=value lists. This is used by several
# plugins. The dictionary can be accessed either directly or through a
# dictionary server. The following dict block maps dictionary names to URIs
# when the server is used. These can then be referenced using URIs in format
# "proxy::<name>".

dict {
    #quota = mysql:/etc/dovecot/dovecot-dict-sql.conf.ext
    #expire = sqlite:/etc/dovecot/dovecot-dict-sql.conf.ext
}

# Most of the actual configuration gets included below. The filenames are
# first sorted by their ASCII value and parsed in that order. The 00-prefixes
# in filenames are intended to make it easier to understand the ordering.
!include conf.d/*.conf

# A config file can also be tried to be included without giving an error if
# it's not found:
!include_try local.conf

# Additional config:
protocols = pop3 pop3s
mail_location = maildir:~/MailDir

"/etc/dovecot/dovecot.conf" 107L, 4481C 107,0-1 Bot

```

```

# location.
#
# If you're using mbox, giving a path to the INBOX file (eg. /var/mail/%u)
# isn't enough. You'll also need to tell Dovecot where the other mailboxes are
# kept. This is called the "root mail directory", and it must be the first
# path given in the mail_location setting.
#
# There are a few special variables you can use, eg.:
#
# %u - username
# %n - user part in user@domain, same as %u if there's no domain
# %d - domain part in user@domain, empty if there's no domain
# %h - home directory
#
# See doc/wiki/Variables.txt for full list. Some examples:
#
# mail_location = maildir:~/Maildir
# mail_location = mbox:~/mail:INBOX=/var/mail/%u
# mail_location = mbox:/var/mail/%d/%n/%n:INDEX=/var/indexes/%d/%n/%n
#
# <doc/wiki/MailLocation.txt>
#
#mail_location = mbox:~/mail:INBOX=/var/mail/%u

"/etc/dovecot/conf.d/10-mail.conf" 420L, 18031C 24,1 1%

```

Dodanie ustawienia protokołów i lokalizacji folderu poczty.

```

pp@custom-server: /etc/dovecot
#auth_ssl_require_client_cert = no

# Take the username from client's SSL certificate, using
# X509_NAME_get_text_by_NID() which returns the subject's DN's
# CommonName.
#auth_ssl_username_from_cert = no

# Space separated list of wanted authentication mechanisms:
# plain login digest-md5 cram-md5 ntlm rpa apop anonymous gssapi otp skey
# gss-spnego
# NOTE: See also disable_plaintext_auth setting.
auth_mechanisms = plain login

##
## Password and user databases
##

#
# Password database is used to verify user's password (and nothing more).
# You can have multiple passdbs and userdbs. This is useful if you want to
# allow both system users (/etc/passwd) and virtual users to login without
# duplicating the system users into virtual database.
#
# <doc/wiki/PasswordDatabase.txt>
"/etc/dovecot/conf.d/10-auth.conf" 128L, 5302C 100,1 84%

```

Ustawienie metody autoryzacji

```

pp@custom-server: /etc/dovecot
service auth {
    # auth_socket_path points to this userdb socket by default. It's typically
    # used by dovecot-lda, doveadm, possibly imap process, etc. Users that have
    # full permissions to this socket are able to get a list of all usernames and
    # get the results of everyone's userdb lookups.
    #
    # The default 0666 mode allows anyone to connect to the socket, but the
    # userdb lookups will succeed only if the userdb returns an "uid" field that
    # matches the caller process's UID. Also if caller's uid or gid matches the
    # socket's uid or gid the lookup succeeds. Anything else causes a failure.
    #
    # To give the caller full permissions to lookup all users, set the mode to
    # something else than 0666 and Dovecot lets the kernel enforce the
    # permissions (e.g. 0777 allows everyone full permissions).
    unix_listener auth-userdb {
        #mode = 0666
        user = postfix
        group = postfix
    }

    # Postfix smtp-auth
    #unix_listener /var/spool/postfix/private/auth {
    #    mode = 0666
    #}
}
"/etc/dovecot/conf.d/10-master.conf" 130L, 3581C 100,1 80%

```

Ustawienie serwisu z użytkownikami



```
pp@custom-server:~$ sudo systemctl reload dovecot.service
pp@custom-server:~$ systemctl status dovecot.service
● dovecot.service - Dovecot IMAP/POP3 email server
   Loaded: loaded (/lib/systemd/system/dovecot.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2022-03-30 07:46:37 CEST; 15min ago
     Docs: man:dovecot(1)
           http://wiki2.dovecot.org/
   Process: 7688 ExecReload=/usr/bin/doveadm reload (code=exited, status=0/SUCCESS)
   Main PID: 6955 (dovecot)
      Tasks: 3 (limit: 4612)
     Memory: 2.1M
    CGroup: /system.slice/dovecot.service
            └─6955 /usr/sbin/dovecot -F
              └─6960 dovecot/anvil
                └─7691 dovecot/log

Mar 30 08:01:08 custom-server dovecot[7665]: config: Warning: Obsolete setting in /etc/dove
Mar 30 08:01:08 custom-server dovecot[6955]: master: Warning: SIGHUP received - reloading
Mar 30 08:01:08 custom-server systemd[1]: Reloaded Dovecot IMAP/POP3 email server.
Mar 30 08:01:08 custom-server dovecot[7665]: config: Warning: Obsolete setting in /etc/dove
Mar 30 08:02:07 custom-server systemd[1]: Reloading Dovecot IMAP/POP3 email server.
Mar 30 08:02:07 custom-server dovecot[7673]: config: Warning: NOTE: You can get a new cle
Mar 30 08:02:07 custom-server dovecot[7673]: config: Warning: Obsolete setting in /etc/dove
Mar 30 08:02:07 custom-server dovecot[6955]: master: Warning: SIGHUP received - reloading
Mar 30 08:02:07 custom-server systemd[1]: Reloaded Dovecot IMAP/POP3 email server.
```

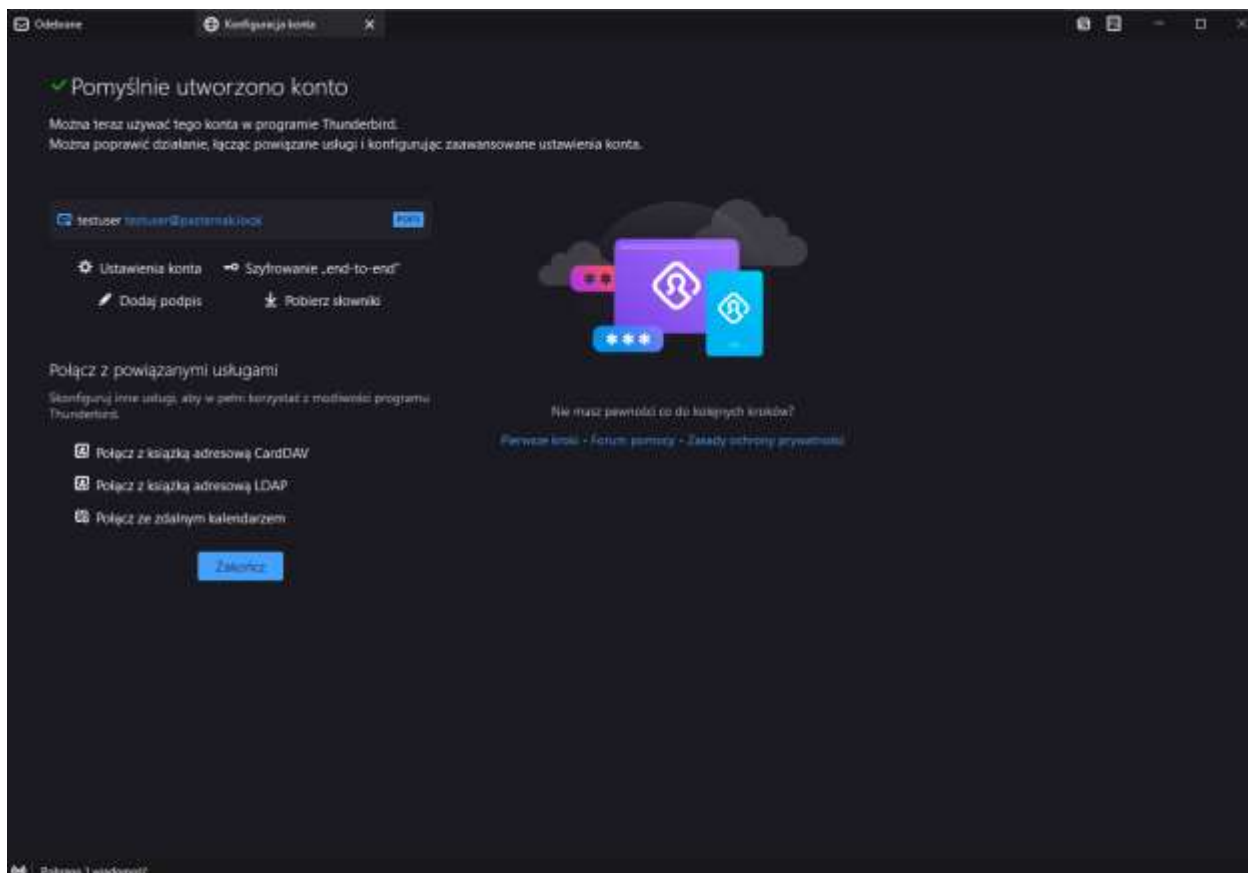
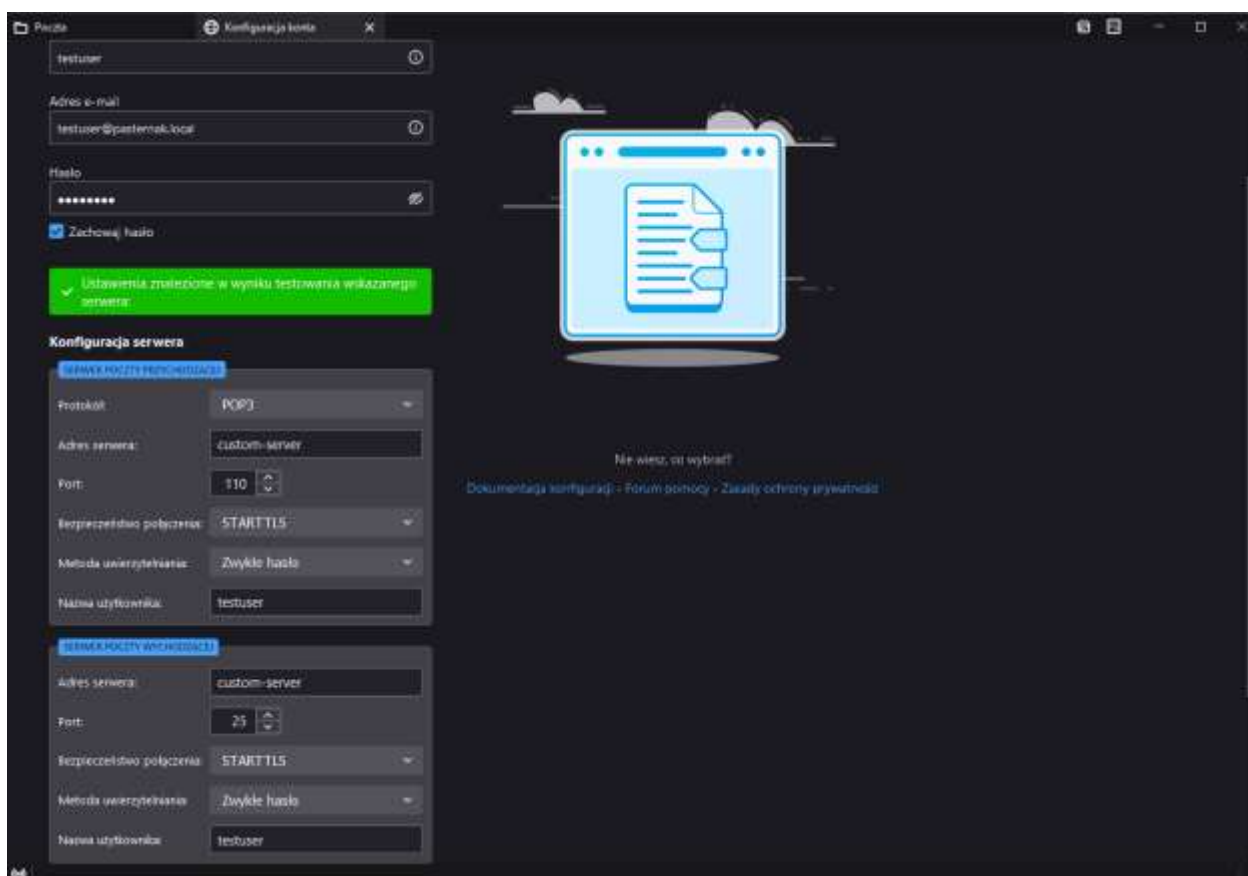
Przeładowanie serwisu.

TEST

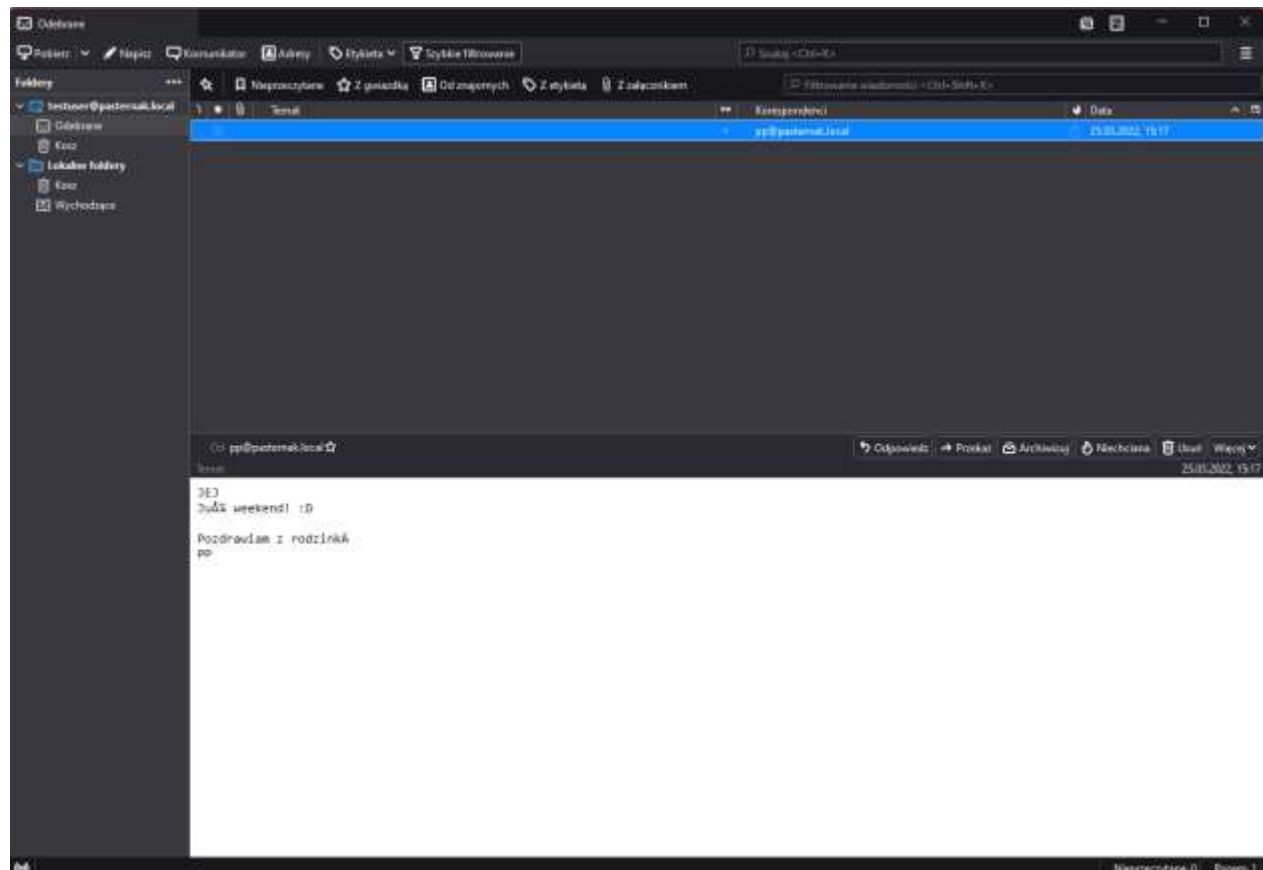
```
pp@custom-server:~$ telnet localhost 110
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^]'.
+OK Dovecot (Ubuntu) ready.
user testuser
+OK
pass ZAQ!2wsx
+OK Logged in.
list
+OK 1 messages:
1 478
.
```

## 5. Konfiguracja klienta poczty

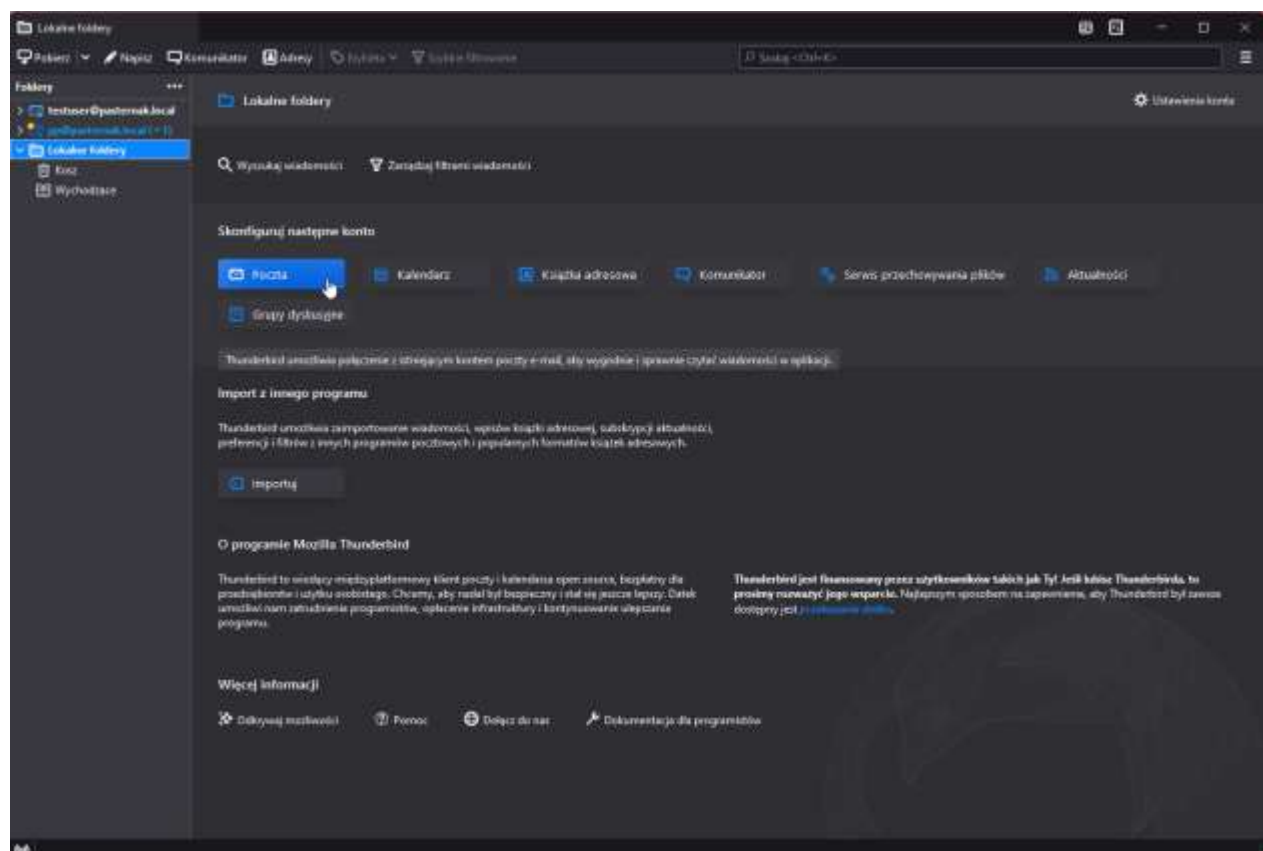
### Dodanie 1 użytkownika

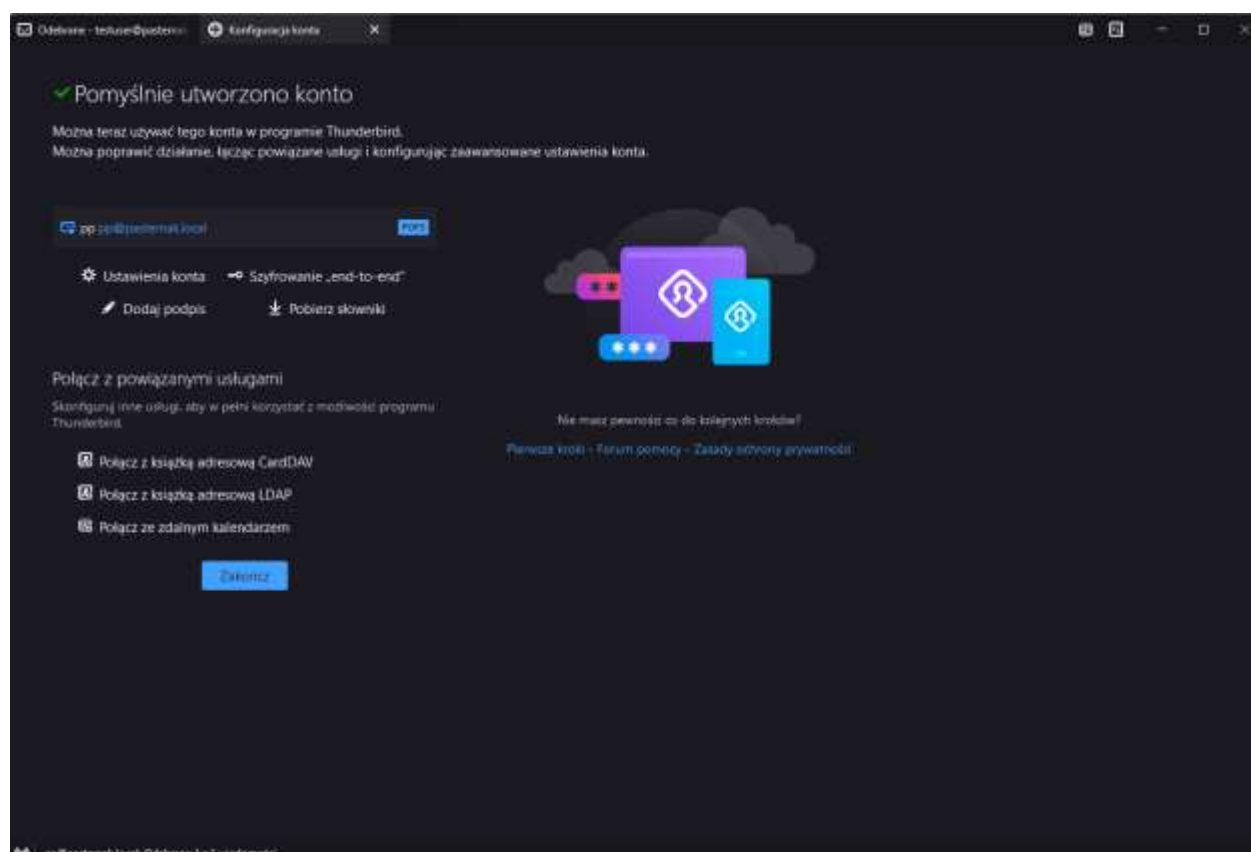
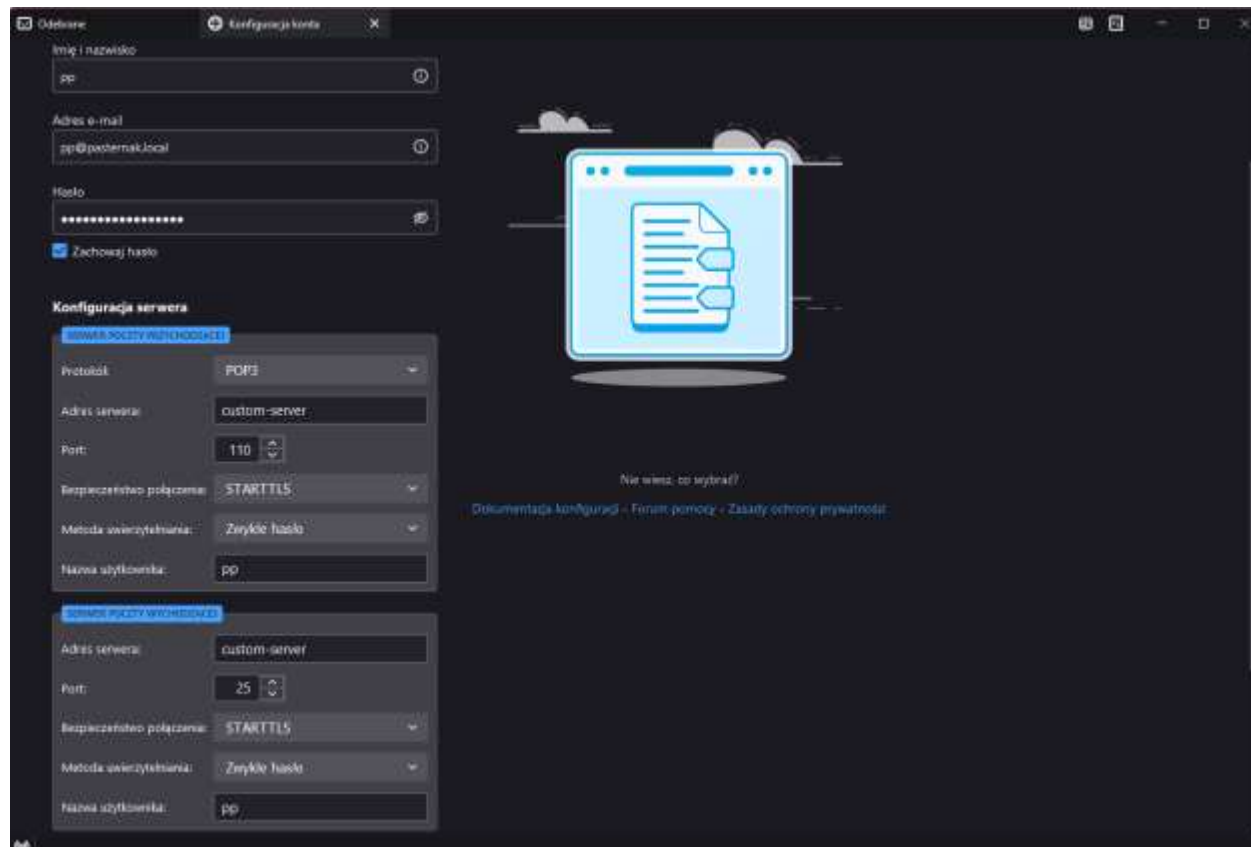


## Paweł Pasternak 3Ib – email



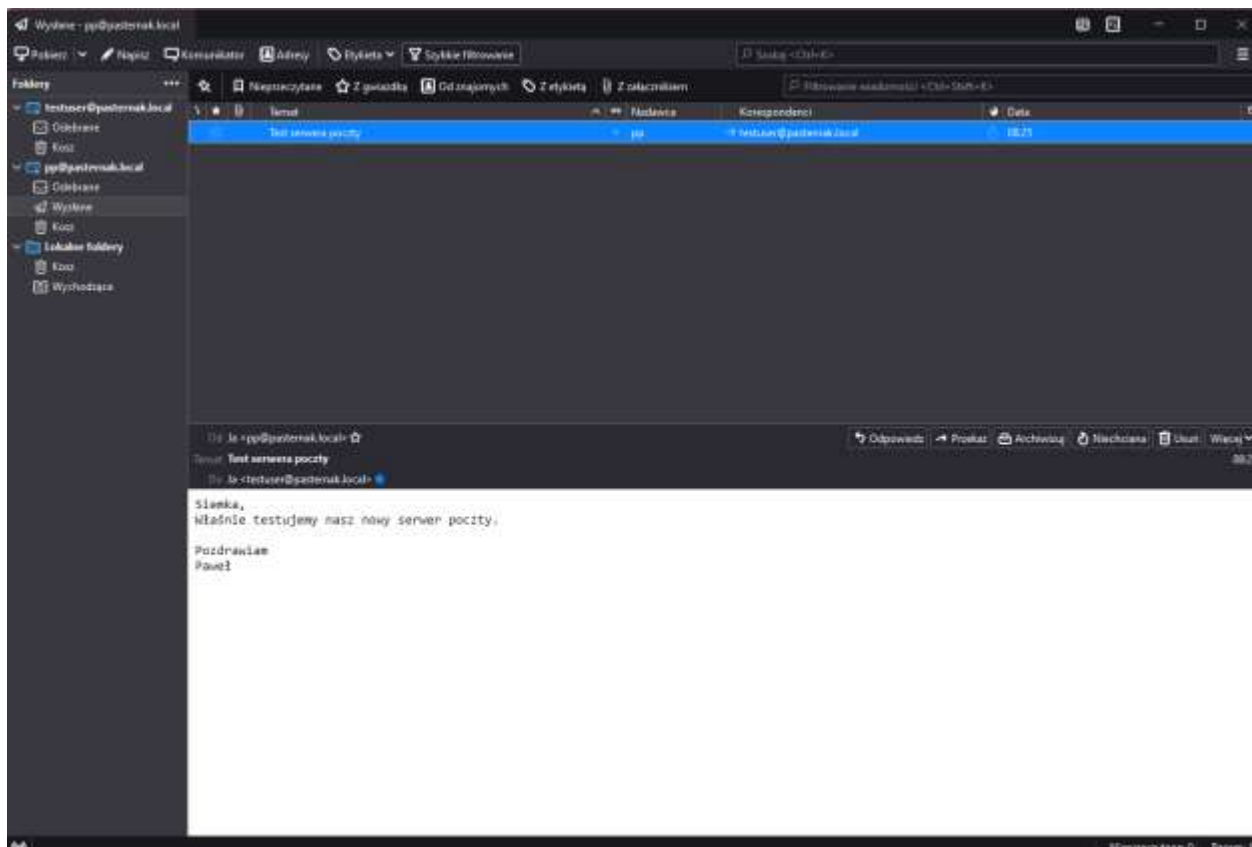
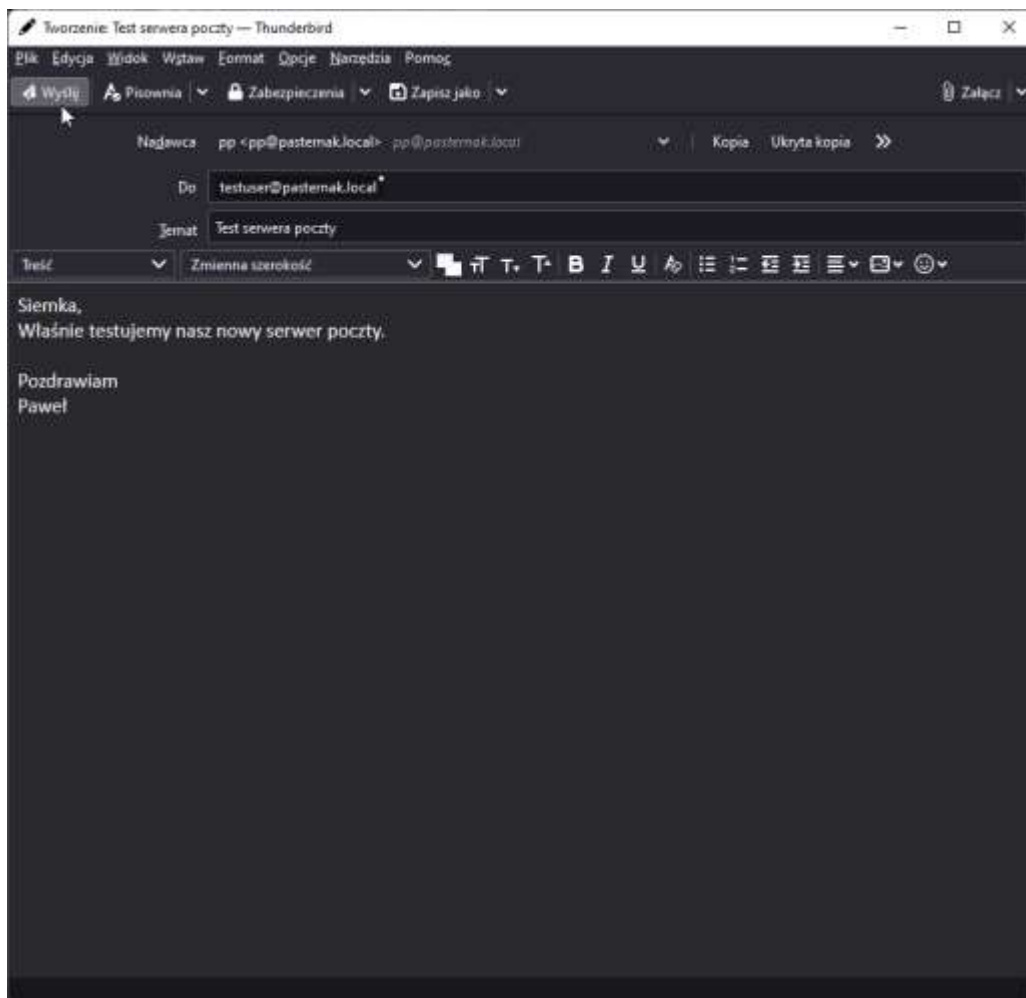
## Dodanie 2 użytkownika





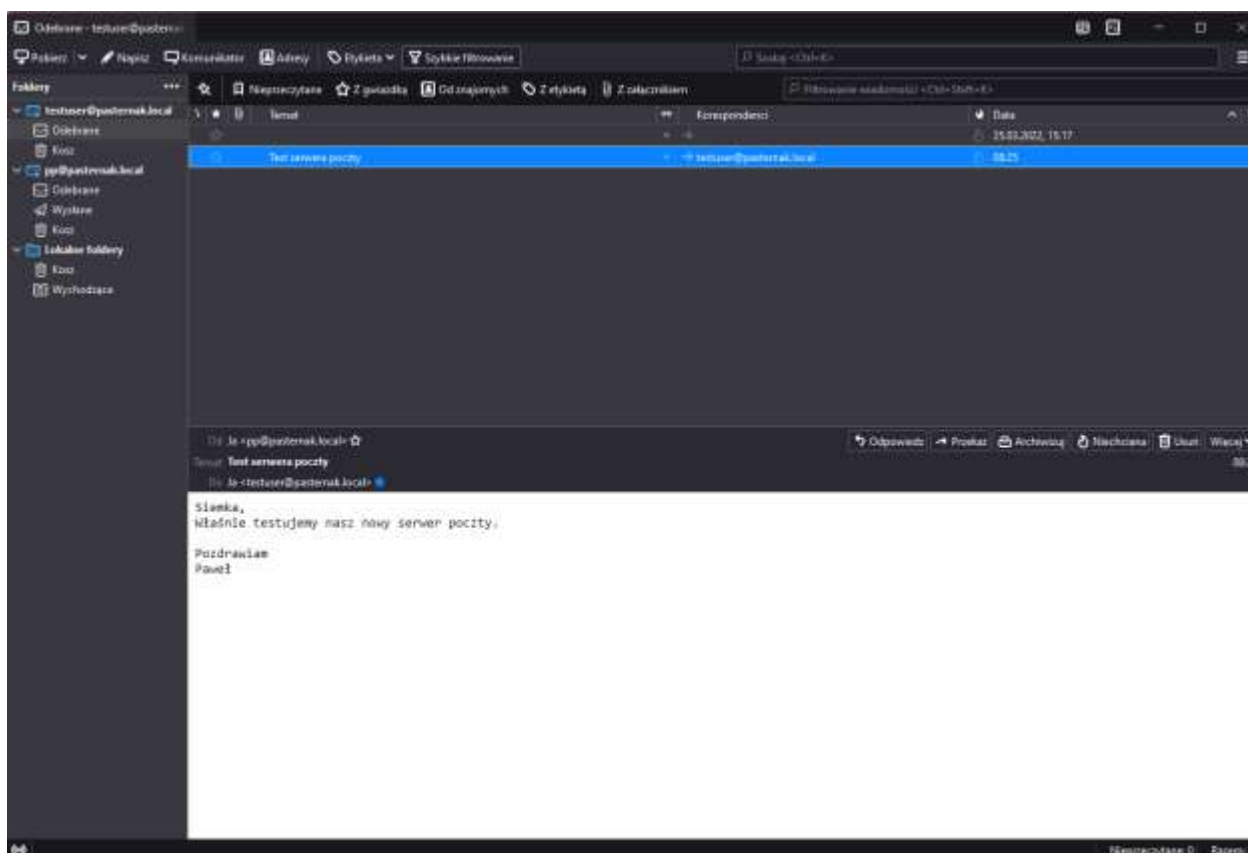
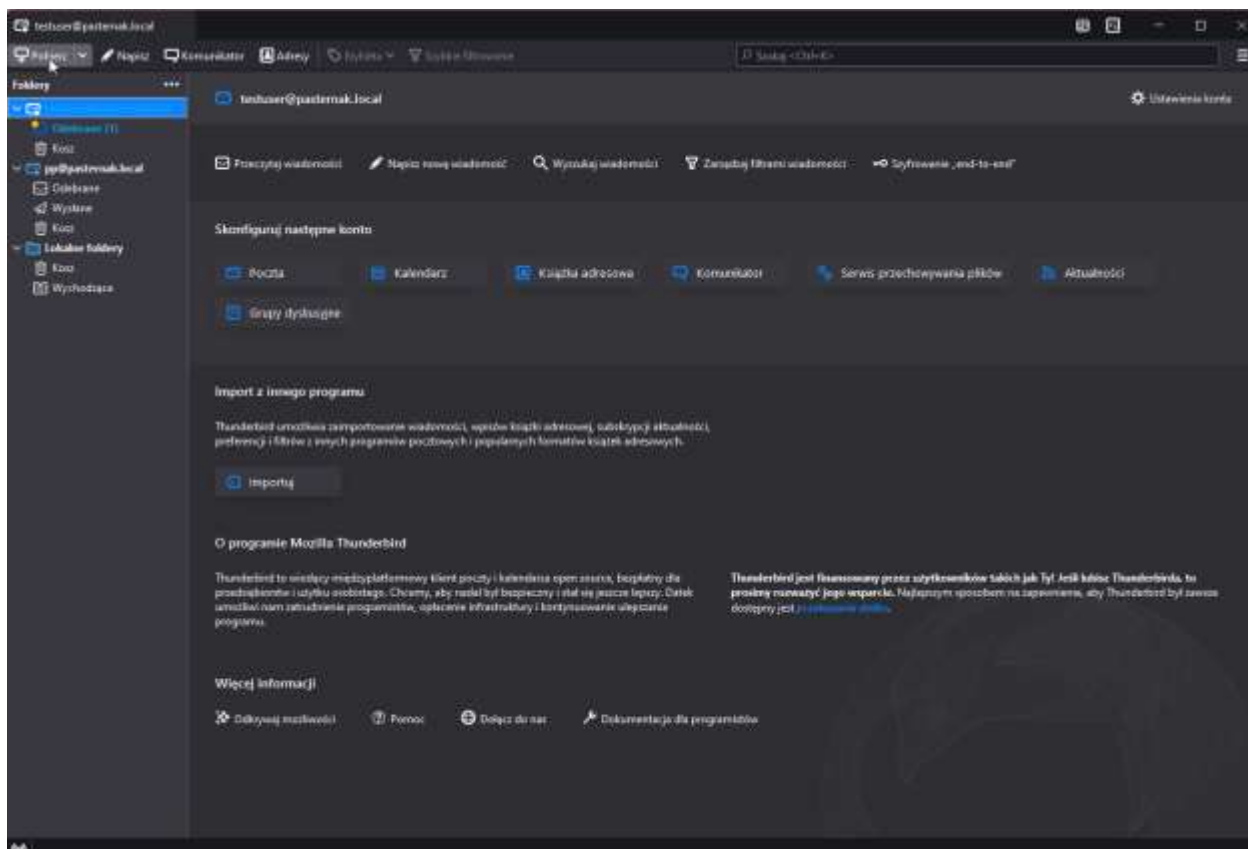
## Paweł Pasternak 3Ib – email

### Wysyłanie maila



## Paweł Pasternak 3Ib – email

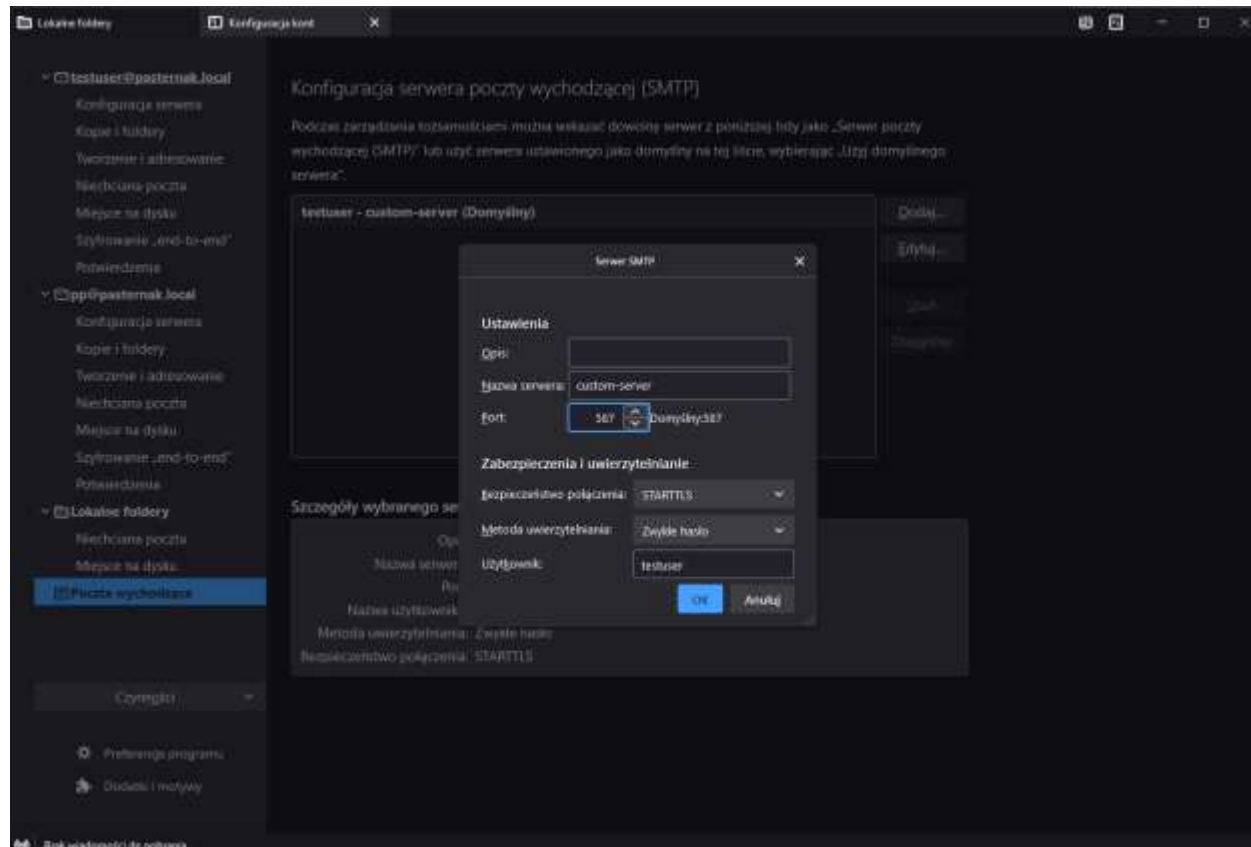
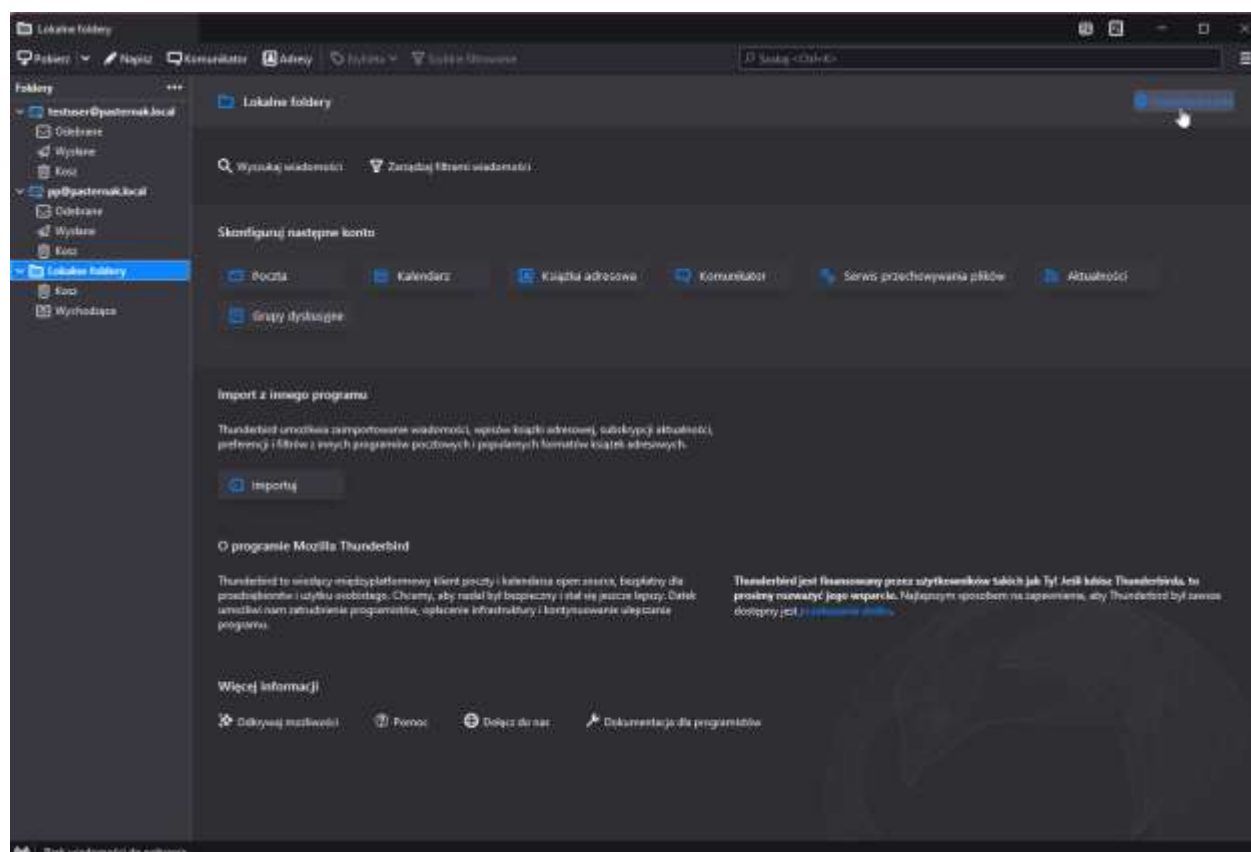
### Pobranie nowych maili





## 6. Zmiana obsługiwanego portu na *submission port*

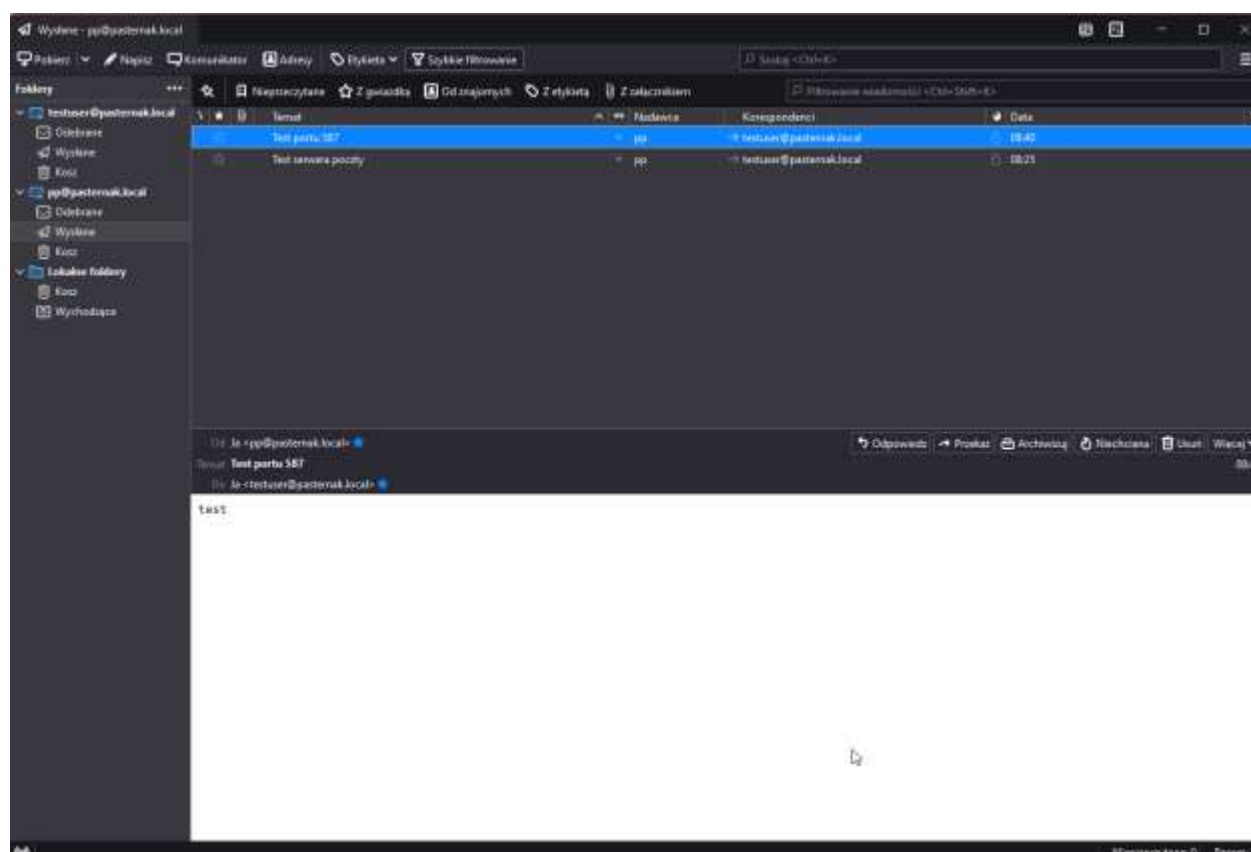
Zmiana portu w kliencie



```

pp@custom-server:~$ cat /etc/postfix/master.cf
# of the file, see the master(5) manual page (command: "man 5 master" or
# on-line: http://www.postfix.org/master.5.html).
#
# Do not forget to execute "postfix reload" after editing this file.
#
# =====
# service type private unpriv chroot wakeup maxproc command + args
#          (yes)   (yes)   (no)   (never) (100)
# =====
smtp      inet  n       -       y       -       -       smtpd
#smtp     inet  n       -       y       -       1       postscreen
#smtpd    pass  -       -       y       -       -       smtpd
#dnsblog  unix  -       -       y       -       0       dnsblog
#tlsproxy unix  -       -       y       -       0       tlsproxy
submission inet n       -       y       -       -       smtpd
#  -o syslog_name=postfix/submission
#  -o smtpd_tls_security_level=encrypt
#  -o smtpd_sasl_auth_enable=yes
#  -o smtpd_tls_auth_only=yes
#  -o smtpd_reject_unlisted_recipient=no
#  -o smtpd_client_restrictions=$mua_client_restrictions
#  -o smtpd_helo_restrictions=$mua_helo_restrictions
#  -o smtpd_sender_restrictions=$mua_sender_restrictions
#  -o smtpd_recipient_restrictions=
"/etc/postfix/master.cf" 127L, 6207C written

```



[Po co to?](#)