

How-to Export SmarterMail Users & Reject Dictionary Attacks with IMGate

Unzip "smaiusr.zip" and run "smaiusr.msi" to install "SmarterMail User Export" on the SmarterMail Windows server. A sample script "SmarterMailUsers2IMGate.bat" with comments is installed in the SmarterTools directory with the program. Configure the batch file as described in the comments; then use a Windows scheduled event to automatically run the batch file. It is recommended that IMGate be updated every thirty minutes.

How does SmarterMail User Export work?

SmarterMail User Export v3.0 writes a text file of valid users and user aliases for all domains and domain aliases hosted by a SmarterMail v3.x server. The text file may be used by Postfix on IMGate to reject unknown recipients, blocking dictionary attacks and reducing the load on the SmarterMail server.

If a domain or domain alias has a "catch-all" user, the text file contains one line per domain or domain alias as follows:

[@domain.tld](#)

With a "catch-all," there is no unknown user rejection. Mail addressed to [anyuser@domain.tld](#) will be accepted by the gateway and relayed to the SmarterMail server.

If the domain has no "catch-all," the text file contains one user per line as follows:

[user@domain.tld](#)

[useralias@domain.tld](#)

[user@domainalias.tld](#)

[useralias@domainalias.tld](#)

Mail addressed to any user not listed in the text file will be rejected with a "550 User unknown" error.

PLUS Addressing support

SmarterMail User Export v3.0 now provides additional entries in the output text file to support SmarterMail's Plus Addressing. If a SmarterMail user has Plus Addressing enabled, either with or without automatic folder creation, the exported text file will contain additional lines as follows:

[user\+.*@domain.tld](#)

[useralias\+.*@domain.tld](#)

[user\+.*@domainalias.tld](#)

[useralias\+.*@domainalias.tld](#)

Mail addressed to any [validuser+anything/anything@validdomain.tld](#) will be accepted by the gateway and relayed to the SmarterMail server.

The output text file is copied or e-mailed from the Windows SmarterMail server to a file on the IMGate machine and then formatted by a script on the IMGate with either technique #1 or technique #2 described below. For these examples, the text file is copied to "/var/tmp/to_relay_recipients.map.imp" on the IMGate.

#1 IMGate using db lookup (Plus addressing disabled):

IMGate Script:

```
-----  
#!/bin/sh  
awk '{print $1 " ok"}' /var/tmp/to_relay_recipients.map.imp  
> /etc/postfix/to_relay_recipients.map  
postmap /etc/postfix/to_relay_recipients.map  
exit 0  
-----
```

sample output line = user@domain.tld ok

Postfix Main.cf

```
relay_recipient_maps = hash:/etc/postfix/to_relay_recipients.map  
unknown_relay_recipient_reject_code = 550
```

#2 IMGate using regex (Plus addressing enabled):

Note: To recognize valid "PLUS Addresses," Postfix must be able to use "wild card" characters"." and "*".

IMGate Script

```
-----  
#!/bin/sh  
awk '{print "/"^" $1 "$/ ok"}' /var/tmp/to_relay_recipients.map.imp  
> /etc/postfix/to_relay_recipients.regexp  
exit 0  
-----
```

sample output line= /user@domain.tld\$/ ok

Postfix Main.cf

```
relay_recipient_maps = pcre:/etc/postfix/to_relay_recipients.regexp  
unknown_relay_recipient_reject_code = 550
```

SmarterMail User Export v3.0 is available at no charge from <ftp.balloons.com/pub/smailusr.zip>

By using this utility, you agree that it is provided as-is with no warranty of any kind.

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