

SMTP Authentication

Simple Mail Transfer Protocol (SMTP) is a protocol for sending email messages between servers. VSI-FAX supports the authentication required by some mail servers to receive submitted email messages.

Note

Because of the specialized authentication MSN uses, it is not supported as an ISP.

The following parameters, which support the use of email authentication within VSI-FAX, can be set in `$VSIFAX/lib/vsisrv.ini` file, [VMAIL]section.

auth-type	The authentication type to use. This must match one of the types recognized by the SMTP server. When you issue the EHLO SMTP command to the mail server, it will respond with the authentication types available in the AUTH line.
auth-rsp	The list of responses to use. This is an encrypted string consisting of a colon-delimited list of responses. The vmail program will decrypt this entry and send each part as a response to an authentication prompt, encoding the text in base64 as it sends it.
auth-delim	An alternate delimiter to use in case any of the response strings contain a colon.

Configuring VSI-FAX for SMTP Authentication

To configure VSI-FAX for mail server authentication:

1. Determine the type of authentication used by your mail server:
2. Issue the `telnet <mailserverIP> 25` command to connect to the SMTP port on the mail server.
3. Issue the EHLO command.
4. Check the AUTH line to see what authentication types are available.
5. Issue the QUIT command to disconnect from the mail server.
6. In `$VSIFAX/lib/vsisrv.ini` file, [VMAIL] section, add the `auth-type=<authtype>` linewhere `<authtype>` is the type of authentication used by the mail server. For example, if the mail server is using login authentication, you would add the following line:
`auth-type=login`
7. Add the response the mail server requires using the `vfxadmin config` command from a command prompt. You will be prompted to enter the `auth-rsp`. You must enter `<user>:<pswd>` where `<user>` is the mail user the way it appears in the `$VSIFAX/lib/vsisrv.ini` file and `<pswd>` is that user's password. You will need to re-enter it. (The entries in the `auth-rsp` field are colon delimited and encrypted. Since the string is encrypted, you must add it using the `vfxadmin config` command instead of entering it directly into the `vsisrv.ini` file.) There should now be an encrypted password line in the [VMAIL] section of the `vsisrv.ini` file. For example, if the `auth-type` was `login`, and a login name (`test`) and password (`hello`) were required, you would execute the following steps:
8. Issue `vfxadmin config -a -p -e VMAIL auth-rsp`
9. Enter `test:hello` when prompted for the `auth-rsp` and when prompted to re-enter the `auth-rsp`.
10. Send an email message from VSI-FAX with either of these two commands:
 - o `vfx -n <emailaddress> <file>`
 - o `vfx -n <emailaddress> -O -C classic`
11. If the email message is not received, you can troubleshoot the problem with the following steps:
12. Set debug to On in `$VSIFAX/lib/vsisrv.ini` file, [VFXSCHED] section.
13. Set debug to 2 in `$VSIFAX/lib/vsisrv.ini` file, [VMAIL] section.
14. Send an email message.
15. Check the contents of `$VSIFAX/spool/logs/vmail` log file to see if errors are reported.

SMTP Protocol

This is a basic explanation of the SMTP protocol: the commands used, the possible answers from the Mail server as well as how to test it.

The usual SMTP port is 25. To connect to the mail server, open a command prompt and connect with a telnet on the port 25.

Command Sent to the mail server	Answer from the mail server
telnet <mail.domain.ext> 25	
	220-mail.domain.ext ESMTP Sendmail <version-number>; <date+time>
HELO <local.domain.ext>	
OR	250-mail.domain.ext Hello [local.ip], pleased to meet you
EHLO <local.domain.ext>	
	250-mail.domain.ext Hello [local.ip], pleased to meet you 250-ENHANCEDSTATUSCODES 250-8BITMIME 250-SIZE 250-DSN 250-ONEX 250-ETRN 250-XUSR 250 HELP
MAIL FROM: mail@domain.ext	
	250-2.1.0 mail@domain.ext... Sender ok
RCPT TO: mail@otherdomain.ext	
	250-2.1.0 mail@otherdomain.ext... Recipient ok
DATA Subject:<subject> //press enter twice type the body . //a "." Character followed by enter marks the end of the body	
	250-2.0.0 <message ID> Message accepted for delivery
Quit	
	221-2.0.0 mail.domain.ext closing connection Connection closed by foreign host.

```
Telnet mail-test.esker.fr
220 mail-test.esker.fr ESMTP Sendmail 8.11.2/8.8.7; Tue, 4 Oct 2005 19:45:50 +02
00
EHLO ly-coq
250-mail-test.esker.fr Hello [10.1.64.141], pleased to meet you
250-ENHANCEDSTATUSCODES
250-8BITMIME
250-SIZE
250-DSN
250-ONEX
250-ETRN
250-XUSR
250 HELP
MAIL FROM: sender@test.com
250 2.1.0 sender@test.com... Sender ok
RCPT TO: coq@esker.fr
250 2.1.5 coq@esker.fr... Recipient ok
DATA
354 Enter mail, end with "." on a line by itself
Subject:test subject

Body of the email

250 2.0.0 j94hk5085653 Message accepted for delivery
quit
```