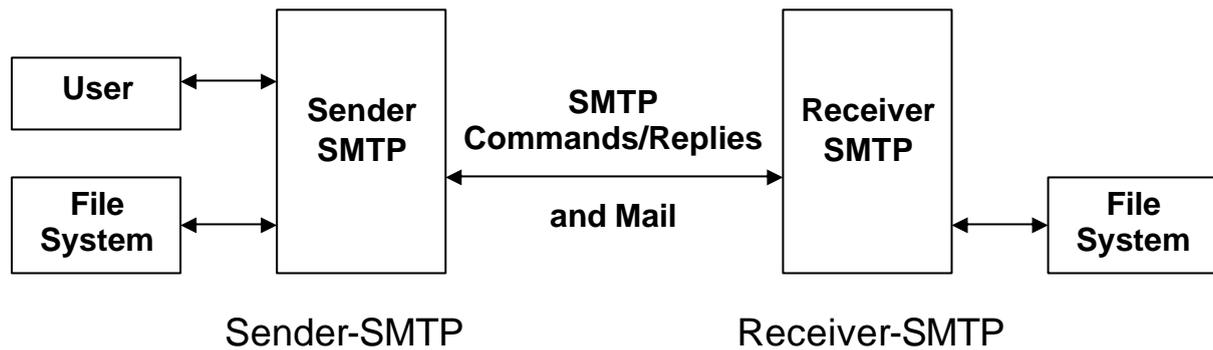


## Model for SMTP Use



## The SMTP Commands

**HELLO (HELO)** - identify the sender-SMTP to the receiver-SMTP.

**MAIL (MAIL)** - initiate a mail transaction in which the mail data is delivered to one or more mailboxes.

**RECIPIENT (RCPT)** - identify an individual recipient of the mail data.

**DATA (DATA)** - the receiver treats the lines following the command as mail data from the sender.

**SEND (SEND)** - initiate a mail transaction in which the mail data is delivered to one or more terminals.

**SEND OR MAIL (SOML)** - initiate a mail transaction in which the mail data is delivered to one or more terminals or mailboxes.

**SEND AND MAIL (SAML)** - initiate a mail transaction in which the mail data is delivered to one or more terminals and mailboxes.

**RESET (RSET)** - specifies that the current mail transaction is to be aborted.

**VERIFY (VRFY)** - asks the receiver to confirm that the argument identifies a user.

**EXPAND (EXPN)** - asks the receiver to confirm that the argument identifies a mailing list, and if so, to return the membership of that list.

**HELP (HELP)** - causes the receiver to send helpful information to the sender of the HELP command.

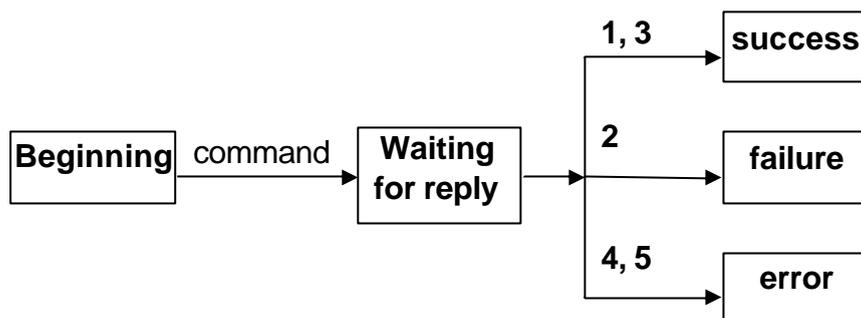
**NOOP (NOOP)** - It specifies no action other than that

**QUIT (QUIT)** - the receiver must send an OK reply, and then close the transmission channel.

**TURN (TURN)** - the receiver must either (1) send an OK reply and then take on the role of the sender-SMTP, or (2) send a refusal reply and retain the role of the receiver-SMTP.



## Reply Codes



### General division:

- 1yz Positive Preliminary reply
- 2yz Positive Completion reply
- 3yz Positive Intermediate reply
- 4yz Transient Negative Completion reply
- 5yz Permanent Negative Completion reply

### Examples:

- 211 System status, or system help reply
- 214 Help message
- 220 <domain> Service ready
- 221 <domain> Service closing transmission channel
- 250 Requested mail action okay, completed
- 251 User not local; will forward to <forward-path>
- 354 Start mail input; end with <CRLF>.<CRLF>
- 421 <domain> Service not available, closing transmission channel
- 450 Requested mail action not taken: mailbox unavailable [E.g., mailbox busy]
- 451 Requested action aborted: local error in processing
- 452 Requested action not taken: insufficient system storage
- 500 Syntax error, command unrecognized
- 501 Syntax error in parameters or arguments
- 502 Command not implemented
- 503 Bad sequence of commands
- 504 Command parameter not implemented
- 550 Requested action not taken: mailbox unavailable [E.g., mailbox not found, no access]
- 551 User not local; please try <forward-path>
- 552 Requested mail action aborted: exceeded storage allocation
- 553 Requested action not taken: mailbox name not allowed
- 554 Transaction failed

## Sizes

Object	The maximum total length in characters
User	64
Domain	64
Path	256
Command line	512
Reply line	512
Text line	1000
Recipients buffer	100