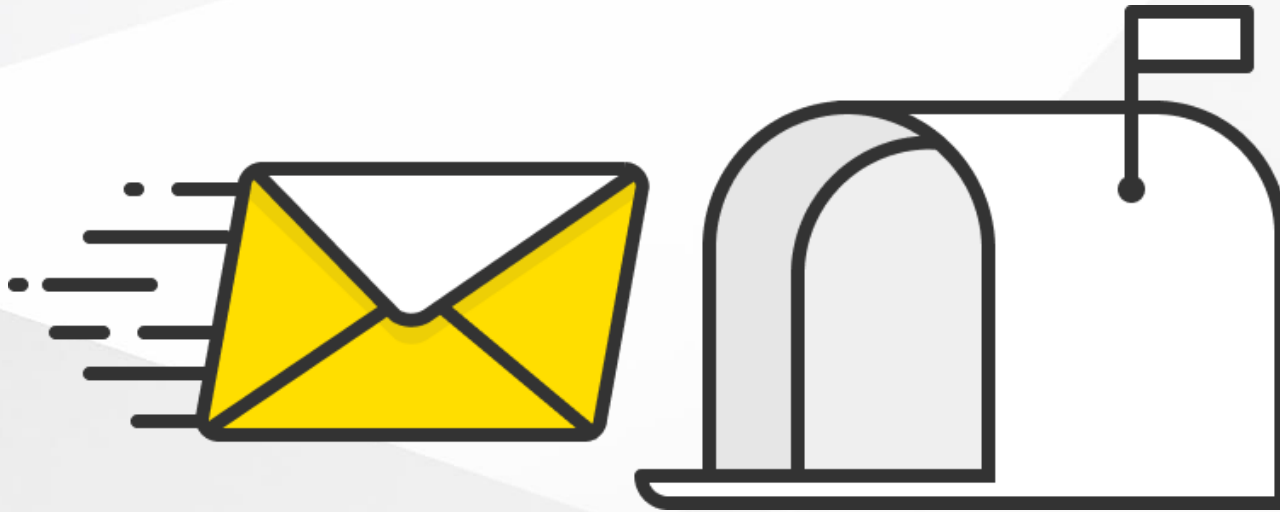# SMTP

## The Simple Mail Transfer Protocol (SMTP)

an internet standard communication protocol for electronic mail transmission.

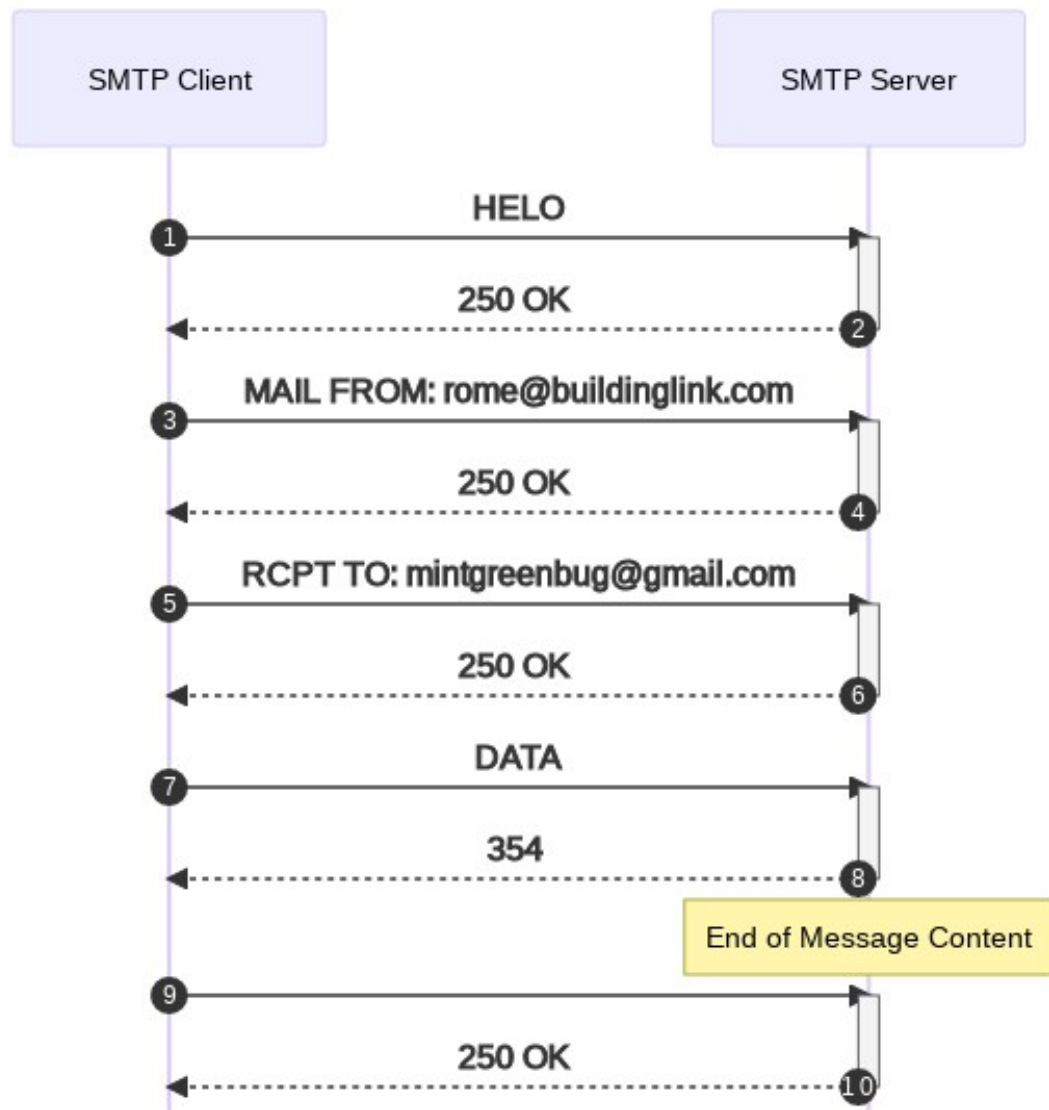# SMTP

**a buildinglink foundational service**

- Mail servers and other MTAs use SMTP to send and receive mail messages.

- Email clients use SMTP for sending messages to a mail server for **relaying**.

- SMTP relay allows the transmission of email messages from one server to another. (think; passing the baton).

  - domain reputation, ip reputation

  - large volumes of emails

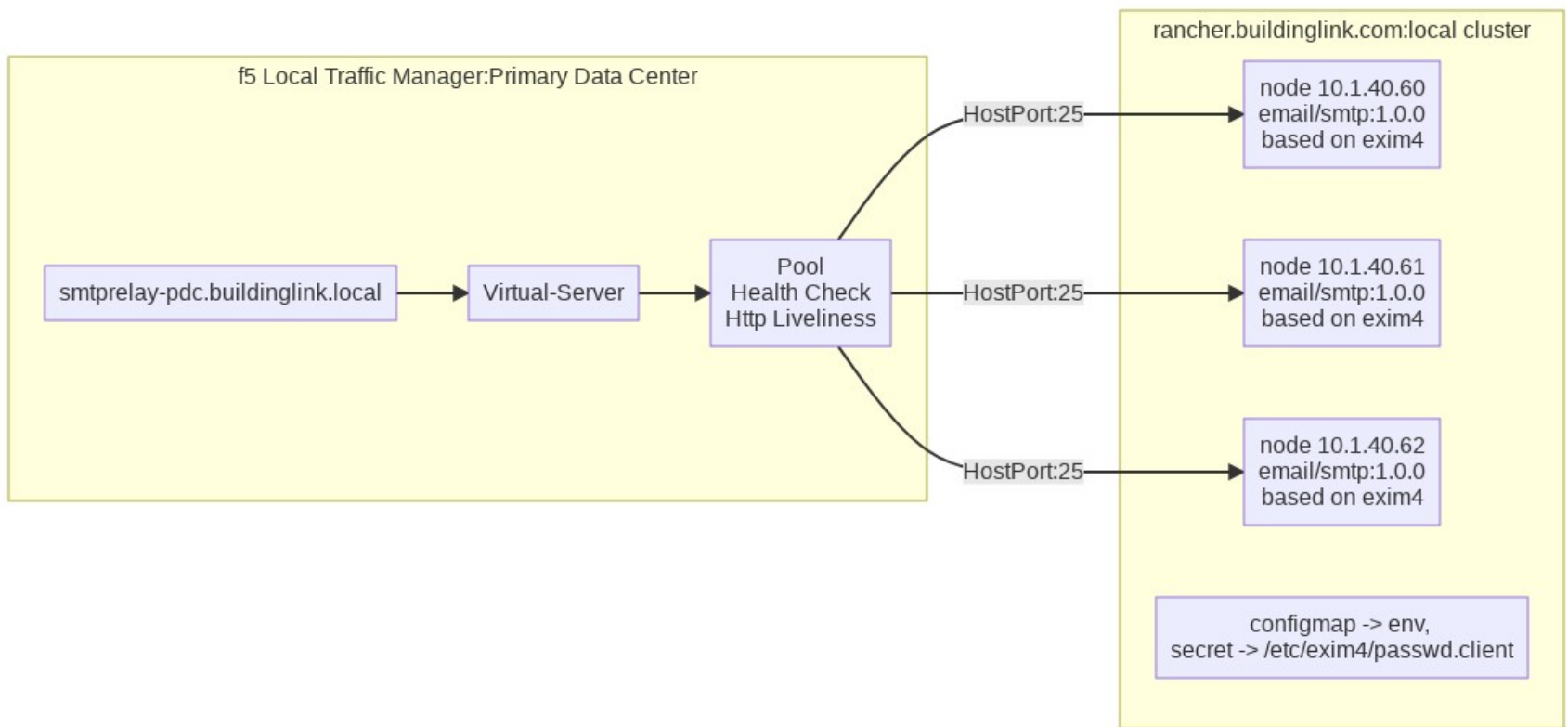  - horozontal scalability

# Basic SMTP

# Mail Servers, MTA's and Exim4

A mail server can have many names: mail relay, mail router, internet mailer and mail transfer agent (MTA).

MTA's accept emails sent from mail user agents, query the MX records and select a mail server to transfer emails and send auto-response messages if an email has failed to reach the destination

Exim4 is an open source, highly configurable MTA and has features that are lacking in other MTA's specifically around enforcing diverse mail policies.

# Implementation Plan

# A Quick Test with telnet

```
telnet 127.0.0.1 25 <<EOF
HELO 1
MAIL FROM: marc@buildinglink.com
RCPT TO: codemarc@gmail.com
DATA
Subject: A Test
This is just a t
.
QUIT
EOF
```

**A Test - Inbox**

🗑 Delete    🗄 Archive    🗂 Move    🏳 Flag    ⋯

**A Test**

**M**   marc@buildinglink.com <marc@buildinglink.com>

Today at 8:28 PM

This is just a test