



joe — joe@f21-mail-thegummibear: ~ — ssh ▶ ssh yavin — 80×24

...@f21-mail-thegummibear: ~ — ssh ▶ ssh yavin

~ — joe@yavin: ~ — ssh ▶ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



joe@f21-mail-thegummibear:~\$ sudo apt install mailutils exim4 -y



joe — joe@f21-mail-thegummibear: ~ — ssh ▶ ssh yavin — 80×24

...@f21-mail-thegummibear: ~ — ssh ▶ ssh yavin

~ — joe@yavin: ~ — ssh ▶ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



joe@f21-mail-thegummibear:~\$ sudo dpkg-reconfigure exim4-config



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



Package configuration

Mail Server configuration

Please select the mail server configuration type that best meets your needs.

Systems with dynamic IP addresses, including dialup systems, should generally be configured to send outgoing mail to another machine, called a 'smarthost' for delivery because many receiving systems on the Internet block incoming mail from dynamic IP addresses as spam protection.

A system with a dynamic IP address can receive its own mail, or local delivery can be disabled entirely (except mail for root and postmaster).

<0k>



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



Package configuration

Mail Server configuration

General type of mail configuration:

- internet site; mail is sent and received directly using ...
- mail sent by smarthost; received via SMTP or fetchmail**
- mail sent by smarthost; no local mail
- local delivery only; not on a network
- no configuration at this time

<0k>

<Cancel>



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



Package configuration

Mail Server configuration

The 'mail name' is the domain name used to 'qualify' mail addresses without a domain name.

This name will also be used by other programs. It should be the single, fully qualified domain name (FQDN).

Thus, if a mail address on the local host is foo@example.org, the correct value for this option would be example.org.

This name won't appear on From: lines of outgoing messages if rewriting is enabled.

System mail name:

mail.thegummibear.com

<0k>

<Cancel>



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



Package configuration

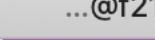
Mail Server configuration

Please enter a semicolon-separated list of IP addresses. The Exim SMTP listener daemon will listen on all IP addresses listed here.

An empty value will cause Exim to listen for connections on all available network interfaces.

If this system only receives mail directly from local services (and not from other hosts), it is suggested to prohibit external connections to the local Exim daemon. Such services include e-mail programs (MUAs) which talk to localhost only as well as fetchmail. External connections are impossible when 127.0.0.1 is entered here, as this will disable listening on public network interfaces.

<0k>



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



Package configuration

| Mail Server configuration |

IP-addresses to listen on for incoming SMTP connections:

127.0.0.1 ; ::1

<0k> <Cancel>



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



Package configuration

Mail Server configuration

IP-addresses to listen on for incoming SMTP connections:

127.0.0.1 ; ::1; 144.38.199.52

<0k>

<Cancel>



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



Package configuration

Mail Server configuration

Please enter a semicolon-separated list of recipient domains for which this machine should consider itself the final destination. These domains are commonly called 'local domains'. The local hostname (f21-mail-thegummibear) and 'localhost' are always added to the list given here.

By default all local domains will be treated identically. If both a.example and b.example are local domains, acc@a.example and acc@b.example will be delivered to the same final destination. If different domain names should be treated differently, it is necessary to edit the config files afterwards.

Other destinations for which mail is accepted:

mail.thegummibear.com; thegummibear.com

<0k>

<Cancel>



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



Package configuration

Mail Server configuration

Please enter a semicolon-separated list of IP address ranges for which this system will unconditionally relay mail, functioning as a smarthost.

You should use the standard address/prefix format (e.g. 194.222.242.0/24 or 5f03:1200:836f::/48).

If this system should not be a smarthost for any other host, leave this list blank.

Machines to relay mail for:

<0k>

<Cancel>



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



Package configuration

Mail Server configuration

Please enter the IP address or the host name of a mail server that this system should use as outgoing smarthost. If the smarthost only accepts your mail on a port different from TCP/25, append two colons and the port number (for example smarthost.example::587 or 192.168.254.254::2525). Colons in IPv6 addresses need to be doubled.

If the smarthost requires authentication, please refer to the Debian-specific README files in /usr/share/doc/exim4-base for notes about setting up SMTP authentication.

IP address or host name of the outgoing smarthost:

stumail.cs.dixie.edu

<0k>

<Cancel>



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



Package configuration

Mail Server configuration

The headers of outgoing mail can be rewritten to make it appear to have been generated on a different system. If this option is chosen, 'mail.thegummibear.com', 'localhost' and 'mail.thegummibear.com; thegummibear.com' in From, Reply-To, Sender and Return-Path are rewritten.

Hide local mail name in outgoing mail?

<Yes>

<No>



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



Package configuration

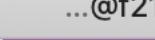
Mail Server configuration

In normal mode of operation Exim does DNS lookups at startup, and when receiving or delivering messages. This is for logging purposes and allows keeping down the number of hard-coded values in the configuration.

If this system does not have a DNS full service resolver available at all times (for example if its Internet access is a dial-up line using dial-on-demand), this might have unwanted consequences. For example, starting up Exim or running the queue (even with no messages waiting) might trigger a costly dial-up-event.

This option should be selected if this system is using Dial-on-Demand. If it has always-on Internet access, this option should be disabled.

<0k>



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



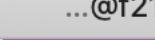
Package configuration

Mail Server configuration

Keep number of DNS-queries minimal (Dial-on-Demand)?

<Yes>

<No>



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



Package configuration

Mail Server configuration

Exim is able to store locally delivered email in different formats. The most commonly used ones are mbox and Maildir. mbox uses a single file for the complete mail folder stored in /var/mail/. With Maildir format every single message is stored in a separate file in ~/Maildir/.

Please note that most mail tools in Debian expect the local delivery method to be mbox in their default.

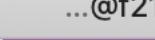
Delivery method for local mail:

mbox format in /var/mail/

Maildir format in home directory

<0k>

<Cancel>



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



Package configuration

Mail Server configuration

The Debian exim4 packages can either use 'unsplit configuration', a single monolithic file (`/etc/exim4/exim4.conf.template`) or 'split configuration', where the actual Exim configuration files are built from about 50 smaller files in `/etc/exim4/conf.d/`.

Unsplit configuration is better suited for large modifications and is generally more stable, whereas split configuration offers a comfortable way to make smaller modifications but is more fragile and might break if modified carelessly.

A more detailed discussion of split and unsplit configuration can be found in the Debian-specific README files in `/usr/share/doc/exim4-base`.

Split configuration into small files?

<Yes>

<No>



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



Package configuration

Mail Server configuration

Mail for the 'postmaster', 'root', and other system accounts needs to be redirected to the user account of the actual system administrator.

If this value is left empty, such mail will be saved in /var/mail/mail, which is not recommended.

Note that postmaster's mail should be read on the system to which it is directed, rather than being forwarded elsewhere, so (at least one of) the users listed here should not redirect their mail off this machine. A 'real-' prefix can be used to force local delivery.

Multiple user names need to be separated by spaces.

<0k>



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



Package configuration

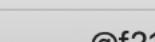
Mail Server configuration

Root and postmaster mail recipient:

put your username here

<0k>

<Cancel>



joe — joe@f21-mail-thegummibear: ~ — ssh ▨ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▨ ssh yavin

~ — joe@yavin: ~ — ssh ▨ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



Package configuration

Mail Server configuration
Root and postmaster mail recipient:

joe

<0k> <Cancel>

joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24
...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin ~ — joe@yavin: ~ — ssh ▾ ssh yavin ...m@ssh.cs.dixie.edu -L 6153:cordelia:6153 +

```
[joe@f21-mail-thegummibear:~$ echo "Test with some local users"
Test with some local users
[joe@f21-mail-thegummibear:~$ sudo adduser bob
Adding user `bob' ...
Adding new group `bob' (1002) ...
Adding new user `bob' (1002) with group `bob' ...
Creating home directory `/home/bob' ...
Copying files from `/etc/skel' ...
[New password:
[Retype new password:
passwd: password updated successfully
Changing the user information for bob
Enter the new value, or press ENTER for the default
    Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []
[Is the information correct? [Y/n] y
joe@f21-mail-thegummibear:~$
```

```
joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24
...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin      ~ — joe@yavin: ~ — ssh ▾ ssh yavin      ...m@ssh.cs.dixie.edu -L 6153:cordelia:6153 +]

[joe@f21-mail-thegummibear:~$ sudo adduser alice
Adding user `alice' ...
Adding new group `alice' (1003) ...
Adding new user `alice' (1003) with group `alice' ...
Creating home directory `/home/alice' ...
Copying files from `/etc/skel' ...
[New password:
[Retype new password:
passwd: password updated successfully
Changing the user information for alice
Enter the new value, or press ENTER for the default
      Full Name []:
      Room Number []:
      Work Phone []:
      Home Phone []:
      Other []
Is the information correct? [Y/n]
joe@f21-mail-thegummibear:~$
```



joe — bob@f21-mail-thebummibear: ~ — ssh ▶ ssh yavin — 80x24

...@f21-mail-thebummibear: ~ — ssh ▶ ssh yavin

~ — joe@yavin: ~ — ssh ▶ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



[**joe@f21-mail-thebummibear:~\$** echo "Can bob send to alice?"

Can bob send to alice?

[**joe@f21-mail-thebummibear:~\$** sudo su – bob

This template image will not work until you edit the contents of /etc/netplan/00-installer-config.yaml, and correctly update the network settings.

[**bob@f21-mail-thebummibear:~\$** mailx alice

joe — bob@f21-mail-thequummibear: ~ — ssh ▾ ssh yavin — 80x24
...@f21-mail-thequummibear: ~ — ssh ▾ ssh yavin ~ — joe@yavin: ~ — ssh ▾ ssh yavin ...m@ssh.cs.dixie.edu -L 6153:cordelia:6153 +

[joe@f21-mail-thequummibear:~\$ echo "Can bob send to alice?"

Can bob send to alice?

[joe@f21-mail-thequummibear:~\$ sudo su - bob

This template image will not work until you edit the contents of /etc/netplan/00-installer-config.yaml, and correctly update the network settings.

[bob@f21-mail-thequummibear:~\$ mailx alice

[Cc:

[Subject: can u see this

[hello

[thisis a test message from bob

[bye

[bob@f21-mail-thequummibear:~\$

```
joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24
...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin      ~ — joe@yavin: ~ — ssh ▾ ssh yavin      ...m@ssh.cs.dixie.edu -L 6153:cordelia:6153 +
```

tion

```
2021-09-11 18:05:45 1mP7Np-00016C-3d <= bob@f21-mail-thegummibear U=bob P=local  
S=458
2021-09-11 18:05:45 Warning: No server certificate defined; will use a selfsigned one.  
Suggested action: either install a certificate or change tls_advertise_hosts option
2021-09-11 18:05:45 1mP7Np-00016C-3d => alice <alice@f21-mail-thegummibear> R=local_user T=mail_spool
2021-09-11 18:05:45 1mP7Np-00016C-3d Completed
2021-09-11 18:05:59 Warning: No server certificate defined; will use a selfsigned one.  
Suggested action: either install a certificate or change tls_advertise_hosts option
2021-09-11 18:05:59 1mP703-00016S-8P <= bob@mail.thegummibear.com U=bob P=local  
S=600
2021-09-11 18:05:59 Warning: No server certificate defined; will use a selfsigned one.  
Suggested action: either install a certificate or change tls_advertise_hosts option
2021-09-11 18:05:59 1mP703-00016S-8P => joe <root@mail.thegummibear.com> R=local_user T=mail_spool
2021-09-11 18:05:59 1mP703-00016S-8P Completed
joe@f21-mail-thegummibear:~$
```



joe — alice@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



[joe@f21-mail-thegummibear:~\$ sudo su - alice

This template image will not work until you edit the contents of /etc/netplan/00-installer-config.yaml, and correctly update the network settings.

[alice@f21-mail-thegummibear:~\$ mailx

"/var/mail/alice": 1 message 1 unread

>U 1 bob@f21-mail-thegu Sat Sep 11 18:05 20/631 can u see this

? █

```
joe — alice@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24
...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin      ~ — joe@yavin: ~ — ssh ▾ ssh yavin      ...m@ssh.cs.dixie.edu -L 6153:cordelia:6153 +
```

Return-path: <bob@f21-mail-thegummibear>
Envelope-to: alice@f21-mail-thegummibear
Delivery-date: Sat, 11 Sep 2021 18:05:45 +0000
Received: from bob by f21-mail-thegummibear with local (Exim 4.93)
 (envelope-from <bob@f21-mail-thegummibear>)
 id 1mP7Np-00016C-3d
 for alice@f21-mail-thegummibear; Sat, 11 Sep 2021 18:05:45 +0000
To: <alice@f21-mail-thegummibear>
Subject: can u see this
X-Mailer: mail (GNU Mailutils 3.7)
Message-Id: <E1mP7Np-00016C-3d@f21-mail-thegummibear>
From: bob@f21-mail-thegummibear
Date: Sat, 11 Sep 2021 18:05:45 +0000
X-IMAPbase: 1631383617 2
Status: 0
X-UID: 1

hello
thisis a test message from bob
bye
[? q
Saved 1 message in /home/alice/mbox
Held 0 messages in /var/mail/alice
alice@f21-mail-thegummibear:~\$



joe — alice@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



```
alice@f21-mail-thegummibear:~$ echo "I typed the number one to read the message"
I typed the number one to read the message
[alice@f21-mail-thegummibear:~$ echo "Then I typed q to quit"
Then I typed q to quit
alice@f21-mail-thegummibear:~$
```

joe — alice@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153 +

```
[alice@f21-mail-thegummibear:~$ echo "Now test to see if you can send remotely"
Now test to see if you can send remotely
alice@f21-mail-thegummibear:~$ ]
```



joe — alice@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

~ — joe@yavin: ~ — ssh ▾ ssh yavin

...m@ssh.cs.dixie.edu -L 6153:cordelia:6153



[alice@f21-mail-thegummibear:~\$ mailx dixiejoe2020@gmail.com

[Cc:

[Subject: this is a test

[can you receive this

[this is from alice

[ok bye

[alice@f21-mail-thegummibear:~\$ echo "Control+d will end the message"

Control+d will end the message

[alice@f21-mail-thegummibear:~\$



joe — alice@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

...-scripts/ansible/playbooks — ssh ▾ ssh yavin

...2.118:8006 -L 8007:144.38.192.116:8006



[alice@f21-mail-thegummibear:~\$ mailx dixiejoe2020@gmail.com

[Cc:

[Subject: testing

[can you read this

[I hope so

[bye

[alice@f21-mail-thegummibear:~\$



joe — root@f21-mail-thegummibear: /home/joe — ssh ▾ ssh yavin — 80x24

...il-thegummibear: /home/joe — ssh ▾ ssh yavin

...-scripts/ansible/playbooks — ssh ▾ ssh yavin

...2.118:8006 -L 8007:144.38.192.116:8006



root@f21-mail-thegummibear:/home/joe# cat /var/log/exim4/mainlog

```
joe — root@f21-mail-thegummibear: /home/joe — ssh - ssh yavin — 80x24
...il-thegummibear: /home/joe — ssh - ssh yavin ...-scripts/ansible/playbooks — ssh - ssh yavin ...2.118:8006 -L 8007:144.38.192.116:8006 +
tion
2021-09-11 18:29:48 1mP7l5-0001F2-7a => dixiejoe2020@gmail.com R=smarthost T=rem
ote_smtp_smarthost H=stumail.cs.dixie.edu [144.38.192.231] X=TLS1.3:ECDHE_SECP25
6R1__RSA_PSS_RSAE_SHA256__AES_256_GCM:256 CV=no DN="C=UK,O=Exim Developers,CN=st
umail.cs.dixie.edu" K C="250- 464 byte chunk, total 464\\n250 OK id=1mP7l6-0000P
z-7X"
2021-09-11 18:29:48 1mP7l5-0001F2-7a Completed
2021-09-11 18:31:50 Warning: No server certificate defined; will use a selfsigne
d one.
Suggested action: either install a certificate or change tls_advertise_hosts op
tion
2021-09-11 18:31:50 1mP7n4-0001FP-Tf <= alice@f21-mail-thegummibear U=alice P=lo
cal S=438
2021-09-11 18:31:50 Warning: No server certificate defined; will use a selfsigne
d one.
Suggested action: either install a certificate or change tls_advertise_hosts op
tion
2021-09-11 18:31:51 1mP7n4-0001FP-Tf => dixiejoe2020@gmail.com R=smarthost T=rem
ote_smtp_smarthost H=stumail.cs.dixie.edu [144.38.192.231] X=TLS1.3:ECDHE_SECP25
6R1__RSA_PSS_RSAE_SHA256__AES_256_GCM:256 CV=no DN="C=UK,O=Exim Developers,CN=st
umail.cs.dixie.edu" K C="250- 452 byte chunk, total 452\\n250 OK id=1mP7n5-0000U
z-N7"
2021-09-11 18:31:51 1mP7n4-0001FP-Tf Completed
root@f21-mail-thegummibear:/home/joe#
```

testing

Inbox ×

?

alice@f21-mail-thegummibear

12:31 PM (0 minutes ago)

to me ▾

can you read this

I hope so

bye

It works!

Yes, I got your email.

No, I didn't get it.

of alice@f21-mail-thebummibear) smtp.mailfrom=alice@f21-mail-thebummibear
Return-Path: <alice@f21-mail-thebummibear>
Received: from stumail.cs.dixie.edu. [144.38.192.231]
by mx.google.com with ESMTPS id MU16ci2990699pib.133.2021.09.11.21.53

joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24
x ...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin ...-scripts/ansible/playbooks — ssh ▾ ssh yavin ...2.118:8006 -L 8007:144.38.192.116:8006 +

```
[joe@f21-mail-thegummibear:~$ echo "Cannot reply to that address, need to fix /etc/hosts"  
Cannot reply to that address, need to fix /etc/hosts  
joe@f21-mail-thegummibear:~$
```



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

...-scripts/ansible/playbooks — ssh ▾ ssh yavin

...2.118:8006 -L 8007:144.38.192.116:8006



127.0.0.1 localhost

127.0.1.1 template

The following lines are desirable for IPv6 capable hosts

::1 ip6-localhost ip6-loopback

fe00::0 ip6-localnet

ff00::0 ip6-mcastprefix

ff02::1 ip6-allnodes

ff02::2 ip6-allrouters

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

" /etc/hosts" 9L, 223C

3,0-1

All

```
joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24
...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin ...-scripts/ansible/playbooks — ssh ▾ ssh yavin ...2.118:8006 -L 8007:144.38.192.116:8006 +
127.0.0.1 localhost
127.0.1.1 template

#you only really need the ip address and FQDN
#I put some short names in here for convenience
144.38.199.52 mail.thegummibear.com mail f21-mail-thegummibear

# The following lines are desirable for IPv6 capable hosts
::1      ip6-localhost ip6-loopback
fe00::0  ip6-localnet
ff00::0  ip6-mcastprefix
ff02::1  ip6-allnodes
ff02::2  ip6-allrouters
~  
~  
~  
~  
~  
~  
~  
~  
~  
~  
-- INSERT --
```

joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24
...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin ...-scripts/ansible/playbooks — ssh ▾ ssh yavin ...2.118:8006 -L 8007:144.38.192.116:8006 +

```
[joe@f21-mail-thegummibear:~$ echo "Test emaail again"
Test emaail again
joe@f21-mail-thegummibear:~$ ]
```



joe — alice@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

...-scripts/ansible/playbooks — ssh ▾ ssh yavin

...2.118:8006 -L 8007:144.38.192.116:8006



[alice@f21-mail-thegummibear:~\$ mailx dixiejoe2020@gmail.com

[Cc:

[Subject: another message

[I hope you can see my correct return address now

[bye

alice@f21-mail-thegummibear:~\$ echo "Don't forget control+d to end your message"

Don't forget control+d to end your message

alice@f21-mail-thegummibear:~\$ █



joe — joe@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin

...-scripts/ansible/playbooks — ssh ▾ ssh yavin

...2.118:8006 -L 8007:144.38.192.116:8006



tion

2021-09-11 18:31:51 1mP7n4-0001FP-Tf => dixiejoe2020@gmail.com R=smarthost T=remote_smtp_smarthost H=stumail.cs.dixie.edu [144.38.192.231] X=TLS1.3:ECDHE_SECP256R1__RSA_PSS_RSAE_SHA256__AES_256_GCM:256 CV=no DN="C=UK,O=Exim Developers,CN=stumail.cs.dixie.edu" K C="250- 452 byte chunk, total 452\\n250 OK id=1mP7n5-0000Uz-N7"

2021-09-11 18:31:51 1mP7n4-0001FP-Tf Completed

2021-09-11 18:35:41 Warning: No server certificate defined; will use a selfsigned one.

Suggested action: either install a certificate or change tls_advertise_hosts option

2021-09-11 18:35:41 1mP7qn-0001G0-9n <= alice@mail.thegummibear.com U=alice P=local S=468

2021-09-11 18:35:41 Warning: No server certificate defined; will use a selfsigned one.

Suggested action: either install a certificate or change tls_advertise_hosts option

2021-09-11 18:35:42 1mP7qn-0001G0-9n => dixiejoe2020@gmail.com R=smarthost T=remote_smtp_smarthost H=stumail.cs.dixie.edu [144.38.192.231] X=TLS1.3:ECDHE_SECP256R1__RSA_PSS_RSAE_SHA256__AES_256_GCM:256 CV=no DN="C=UK,O=Exim Developers,CN=stumail.cs.dixie.edu" K C="250- 482 byte chunk, total 482\\n250 OK id=1mP7qo-0000V9-6R"

2021-09-11 18:35:42 1mP7qn-0001G0-9n Completed

joe@f21-mail-thegummibear:~\$

another message

Inbox ×

alice@mail.thegummibear.com

to me ▾

I hope you can see my correct return address now

bye

Yes, I got it

Yes, I got your email

No, I didn't get it

12:3

of alice@mail.thegummibear.com) smtp.mailfrom=alice@mail.thegummibear.com
Return-Path: <alice@mail.thegummibear.com>
Received: from stumail.cs.dixie.edu. [144.38.192.231] by mx.google.com with ESMTPS id k12si3012542nfa.188.2021.09.11.37.52



alice@mail.thegummibear.com

Ok. Here is my response! I hope you get this.

...

Send



To: alice@mail.thegummibear.com

Content-Type: multipart/alternative; boundary="00000000000052

--00000000000520f7505cbbc8f81

Content-Type: text/plain; charset="UTF-8"

Ok. Here is my response! I hope you get this.

On Sat, Sep 11, 2021 at 12:37 PM <alice@mail.thegummibear.com>

> I hope you can see my correct return address now

>

> bye

[alice@f21-mail-thegummibear:~\$ mail

"/var/mail/alice": 1 message 1 new

>N 1 Dixie joe Sat Sep 11 18:40 75/3547 Re: another message

? 1

joe — alice@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin — 80x24

...@f21-mail-thegummibear: ~ — ssh ▾ ssh yavin ...-scripts/ansible/playbooks — ssh ▾ ssh yavin ...2.118:8006 -L 8007:144.38.192.116:8006 +

```
[alice@f21-mail-thegummibear:~$ echo "It appears to work, yay"
It appears to work, yay
alice@f21-mail-thegummibear:~$ ]
```