

# Goal: Send mail from EC2 to Gmail using `mailx`

You'll need to configure `mailx` to use **Gmail SMTP** for sending mail.

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## Step-by-Step Setup

### 1. Install `mailx`

If not:

```
sudo yum install mailx -y    # Amazon Linux
```

On Ubuntu:

```
sudo apt install mailutils -y
```

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### 2. Create/Edit `~/.mailrc` to configure Gmail SMTP

Run:

```
vi ~/.mailrc
```

Paste this config (edit the values marked in ●):

```
set smtp-use-starttls
set ssl-verify=ignore
set smtp-auth=login
set smtp=smtp://smtp.gmail.com:587
set smtp-auth-user=●your-email@gmail.com
set smtp-auth-password=●your-app-password
set from="●your-email@gmail.com"
```

**IMPORTANT:** You **cannot** use your normal Gmail password.

You must generate an **App Password**. See next step.

**Make sure there is no space in App Password**

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### 3. Enable App Password in Gmail

Steps:

1. Go to: <https://myaccount.google.com/apppasswords>
2. Login and generate an App Password for "Mail"
3. It will show you a 16-character password — use this in the `smtp-auth-password` field in `.mailrc`

This works only if **2-Step Verification is enabled** on your Google account.

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## 4. Test sending a mail

```
echo "This is a test from EC2" | mailx -s "Hello from EC2" your-gmail-address@gmail.com
```

You should get it in your Gmail inbox .