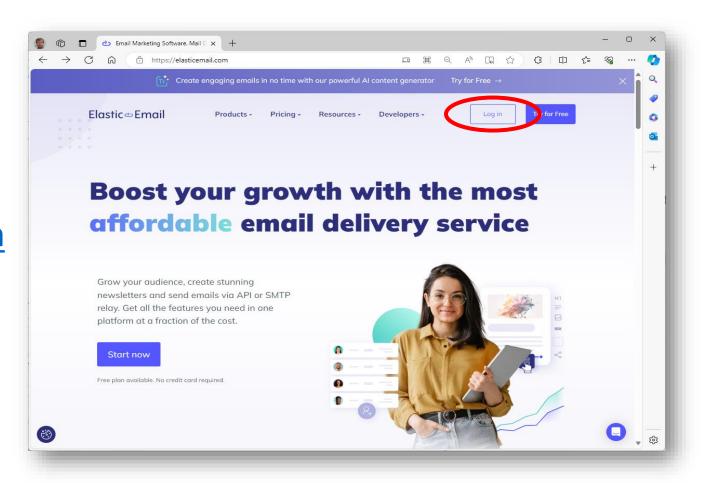
SuniTAFE ICTPRG302 Apply introductory programming techniques

Send email from Python using AWS-Cloud9, SMTP and elasticemail.com

elasticemail.com – Login

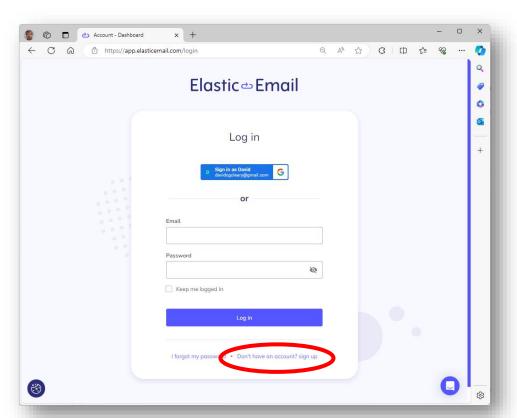
- 1. Before you continue, ensure that you have a Gmail account
- 2. Go to, https://elasticemail.com
- 3. Select, [Log in]

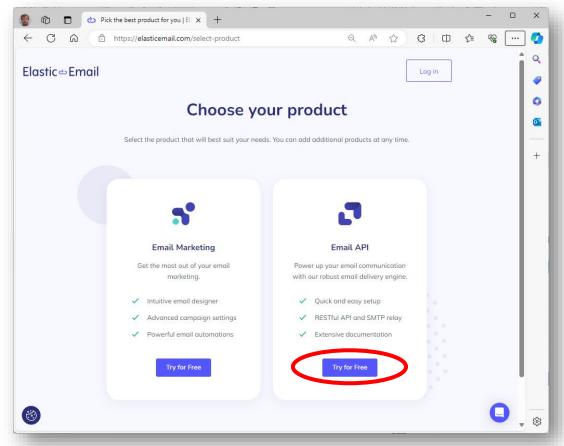


elasticemail.com – Login

4. Select, [Don't have an account? sign up]

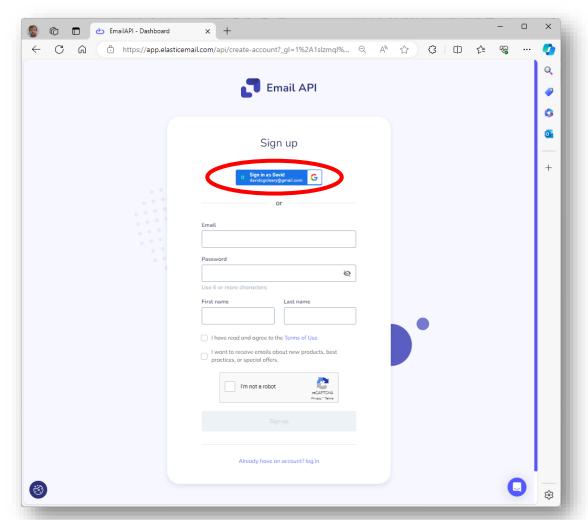
5. Select, Email API | [Try for Free]



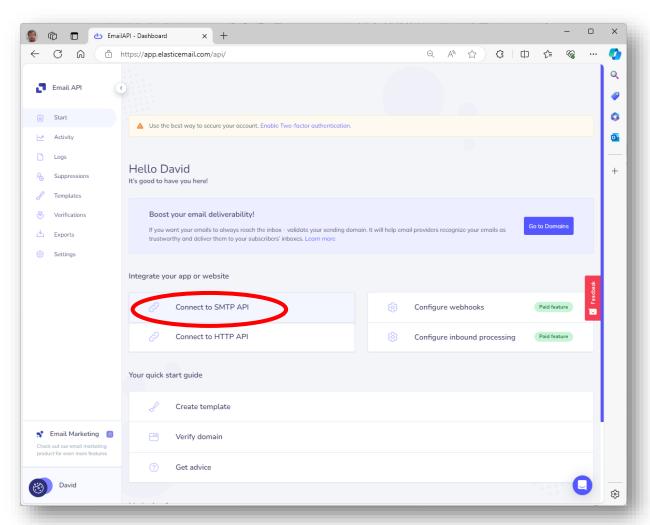


elasticemail.com – Login

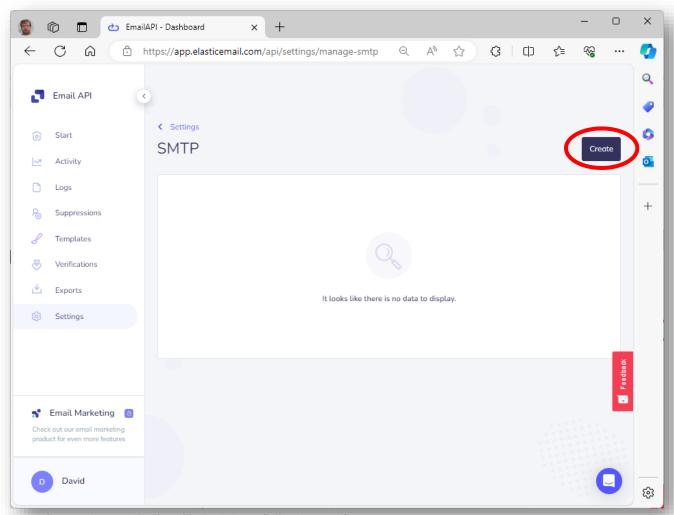
6. Sign up using your Gmail account



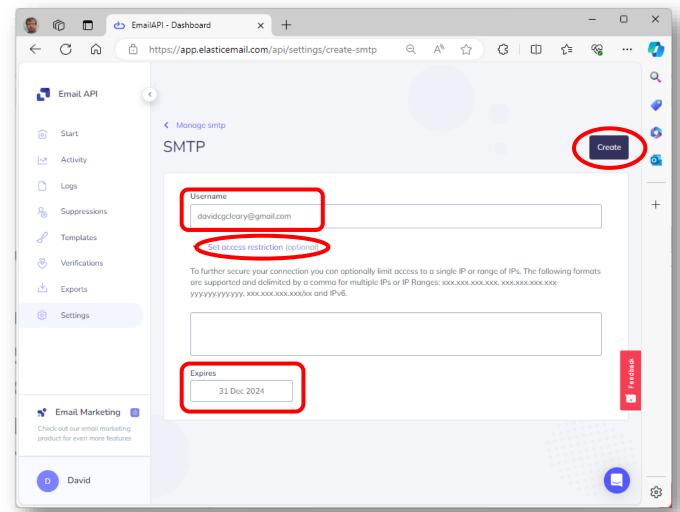
7. Select, [Connect to SMTP API]



8. Select, [Create]

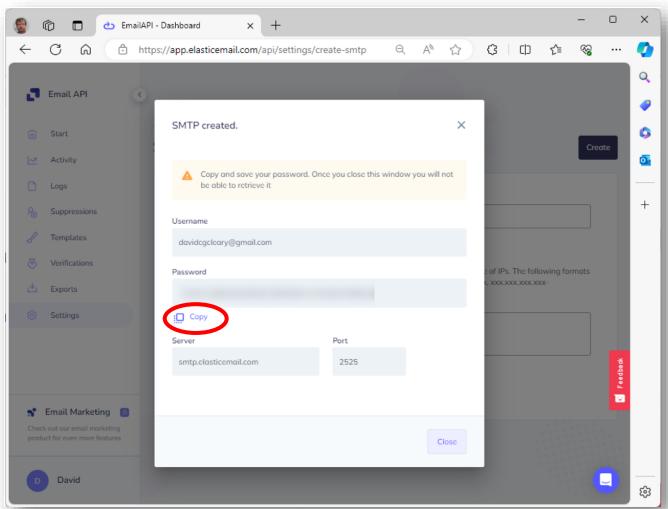


- 9. For **Username**, enter your *Gmail email* address
- 10. Select, [Set access restrictions]
- 11. For **Expires**, enter **31 Dec 2024**
- 12. Select, [Create]

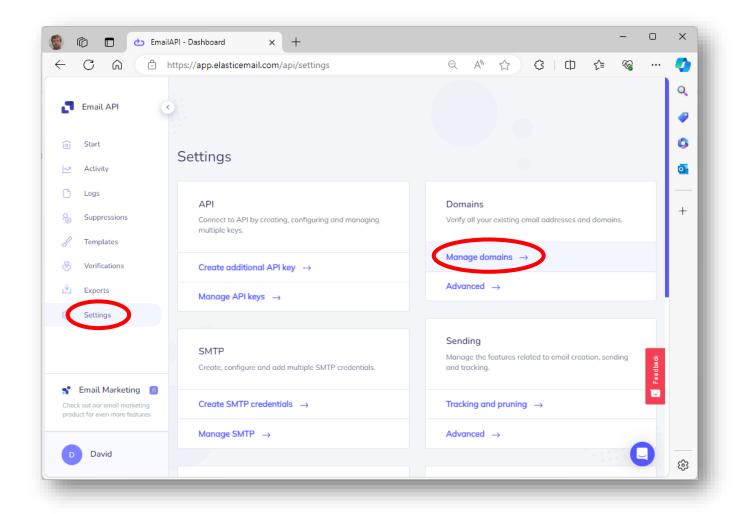


13. Select, **[Copy]** to copy and save your password

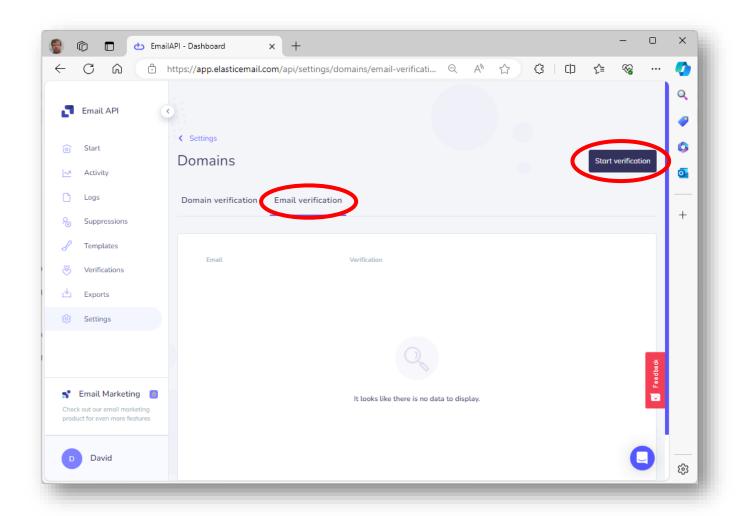
Once you close this window you will not be able to retrieve the password again.



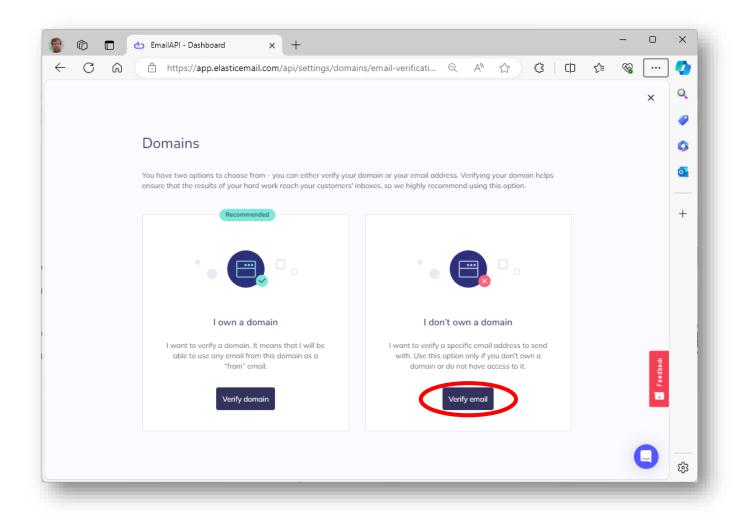
- 14. Select, [Settings]
- 15. Select [Manage domains]



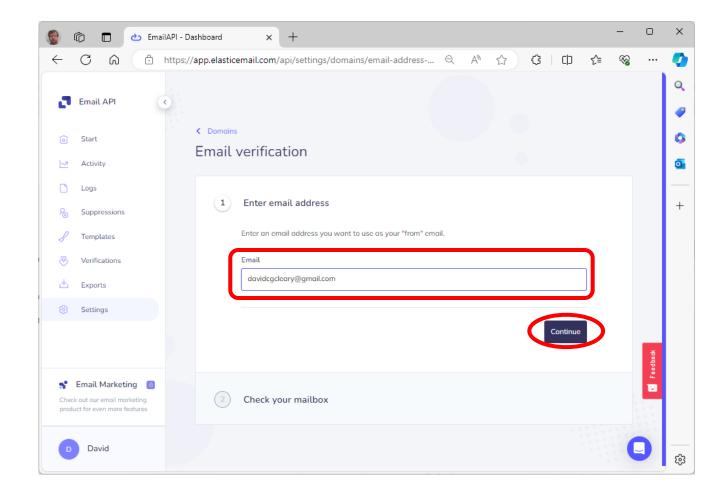
- 16. Select, [Email verification]
- 17. Select [Start verification]



18. Select, [Verify email]

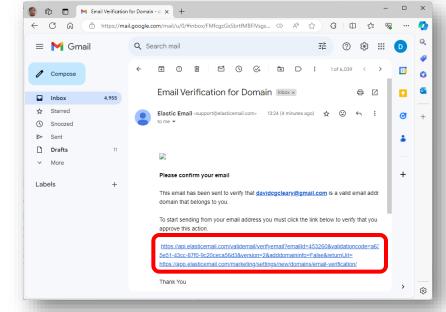


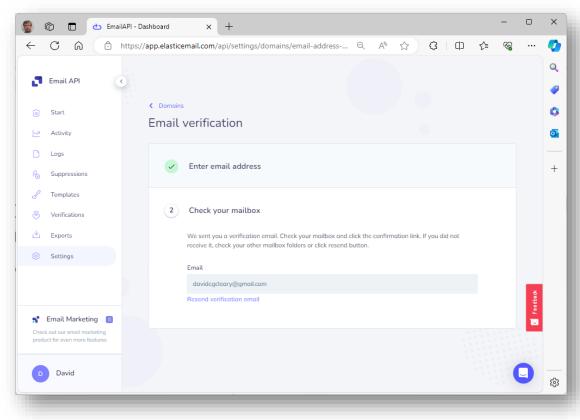
19. For **Email**, enter your *Gmail email address*20. Select [Continue]



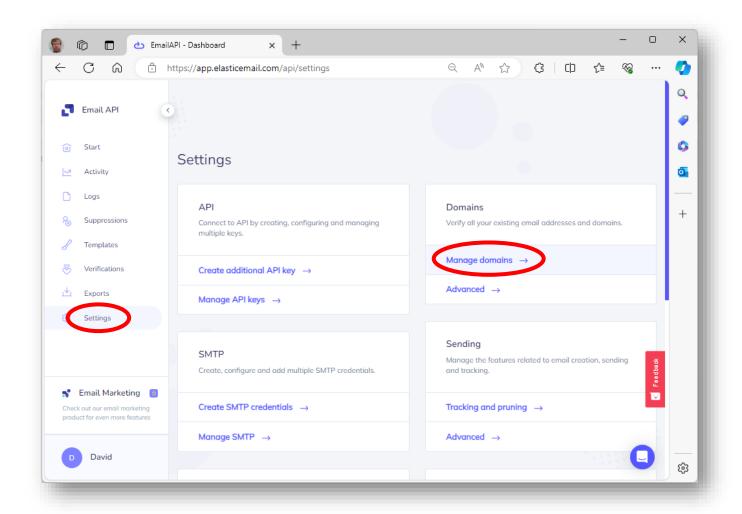
21. Check your Gmail inbox for an email with subject **Email Verification for Domain**

22. Click on **the link** in the email to verify the sender email address

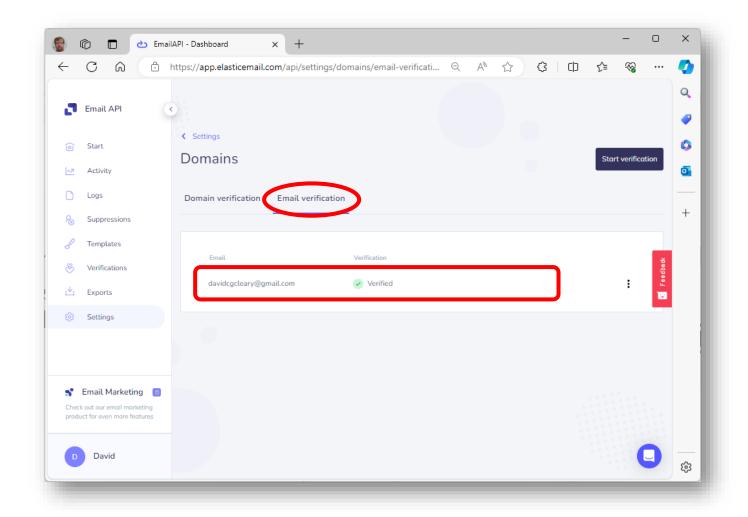




- 23. Select, [Settings]
- 24. Select, [Manage domains]

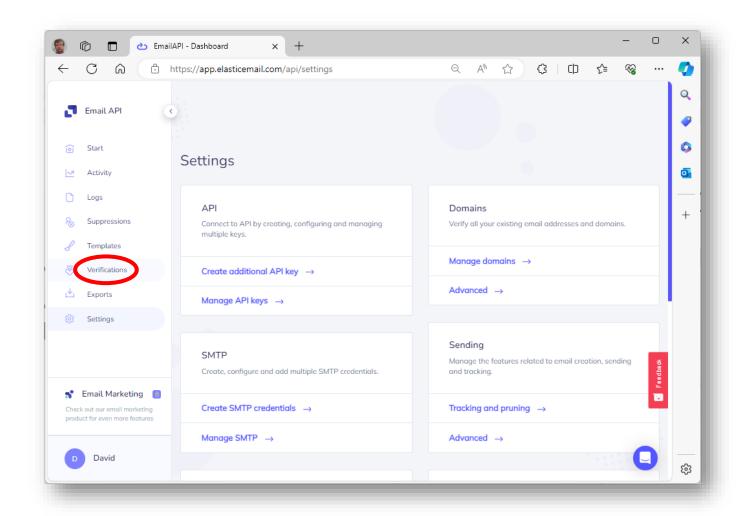


- 25. Select, [Email verification]
- 26. The verified sender email address is displayed



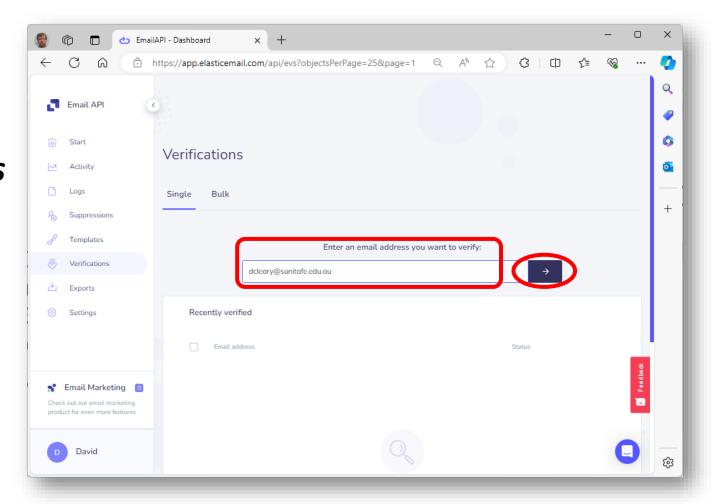
elasticemail.com – Verify recipient email address

27. Select [Verifications]



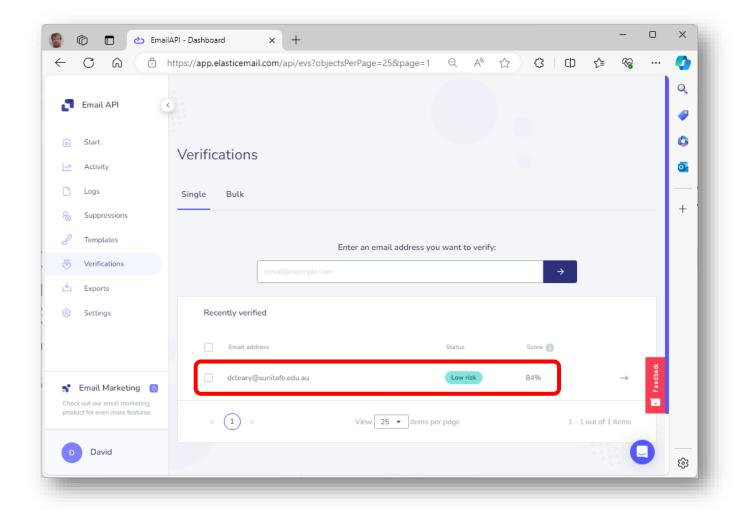
elasticemail.com – Verify recipient email address

- 28. For Enter an Email address you want to verify, enter your SuniTAFE email address
- 29. Select [→]



elasticemail.com – Verify recipient email address

30. The verified recipient email address is displayed



Python – Send email using smtp.elasticemail.com

31. Define SMTP settings in backupcfg.py

Python — Send email using smtp.elasticemail.com 32. Define sendEmail() function in backup.py

```
def sendEmail(message, dateTimeStamp):
    Send an email message to the specified recipient.
    Parameters:
        message (string): message to send.
        dateTimeStamp (string): Date and time when program was run.
    11 11 11
    # create email message
    email = 'To: ' + smtp["recipient"] + '\n' + 'From: ' + smtp["sender"] +
            '\n' + 'Subject: Backup Error\n\n' + message + '\n'
    # connect to email server and send email
    try:
        smtp server = smtplib.SMTP(smtp["server"], smtp["port"])
        smtp server.ehlo()
        smtp server.starttls()
        smtp server.ehlo()
        smtp server.login(smtp["user"], smtp["password"])
        smtp server.sendmail(smtp["sender"], smtp["recipient"], email)
        smtp server.close()
    except Exception as e:
        print("ERROR: Send email failed: " + str(e), file=sys.stderr)
```

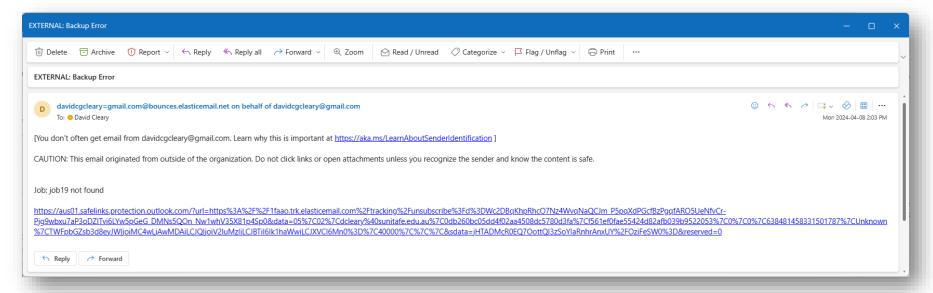
Python – Send email using smtp.elasticemail.com

33. Run backup.py program, to send email

```
dcleary:~/environment/ictprg302-Python (main) $ backup.py job19

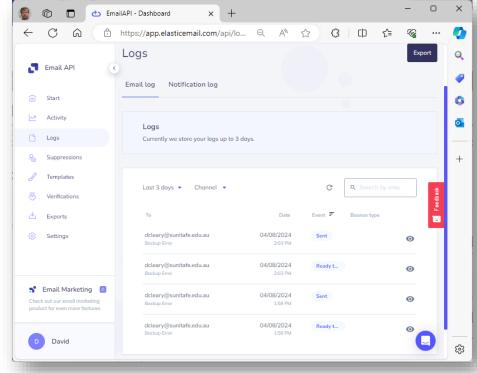
ERROR: Job: job19 not found
dcleary:~/environment/ictprg302-Python (main) $ ■
```

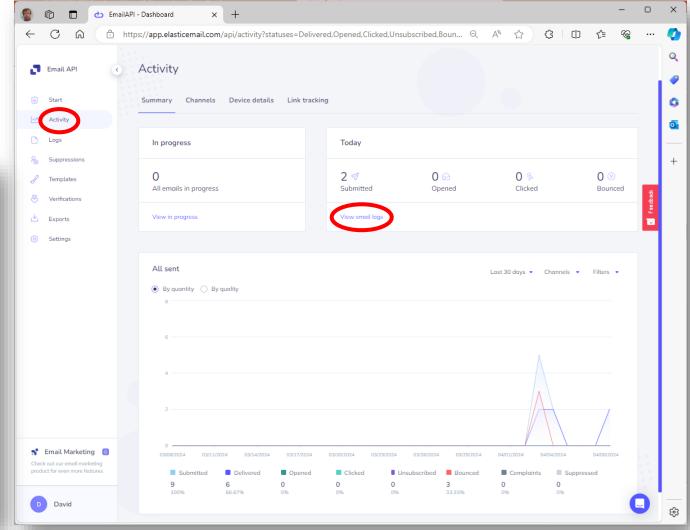
34. View the received email



elasticemail.com – Report emails sent

- 35. Select, [Activity]
- 36. Select, [View email logs]





Python – Delete password details

It is imperative that you delete the elasticemail.com password details from your Python code before you upload that code to github.com.

If your github.com repository is public, the elasticemail.com password could be accessed and used to send spam emails from your account.

31. Modify SMTP settings in backupcfg.py