

Introduction to Mailgun

Mailgun is an Email automation service. It has a very powerful set of inbuilt functions for sending emails. Developers can process their email with the help of Mailgun API

So in this lesson, we will learn how to create an account on Mailgun.

Creating an account on Mailgun

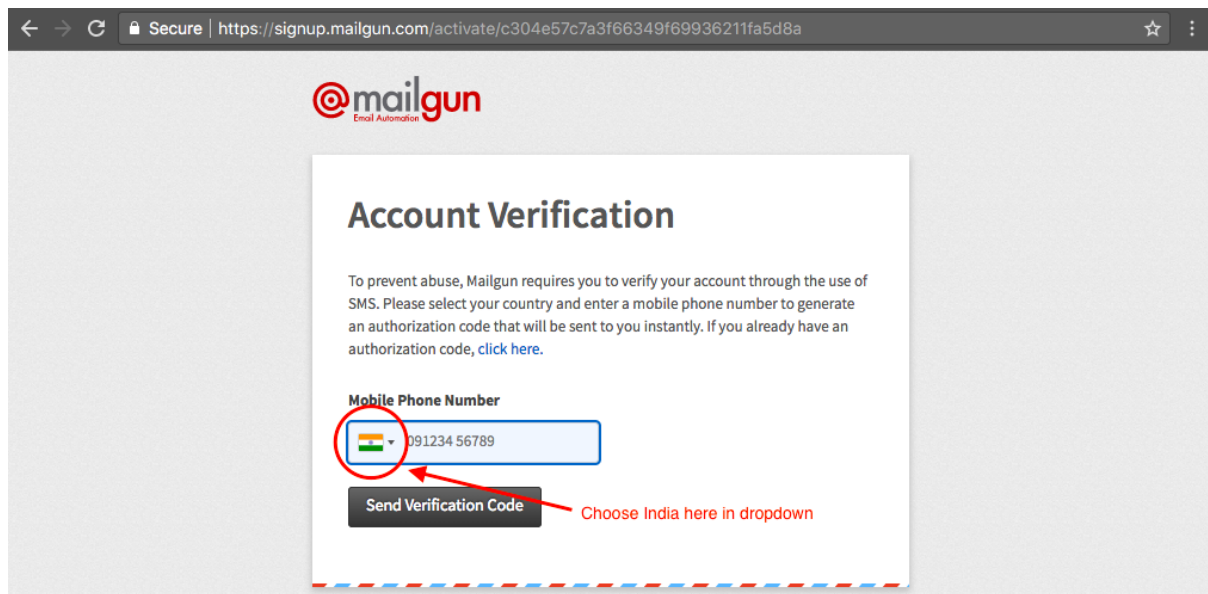
Step 1: Open <https://www.mailgun.com/> (<https://www.mailgun.com/>) in browser.

Step 2: Click on Sign Up (<https://signup.mailgun.com/new/signup>) button.

Step 3: Fill all the necessary details in SIGN UP form. Make sure you are unchecking the payment option. Below is the screenshot of filled sign up form.

Step 4: You will get a verification mail having a link. Click on that link to verify your mail.

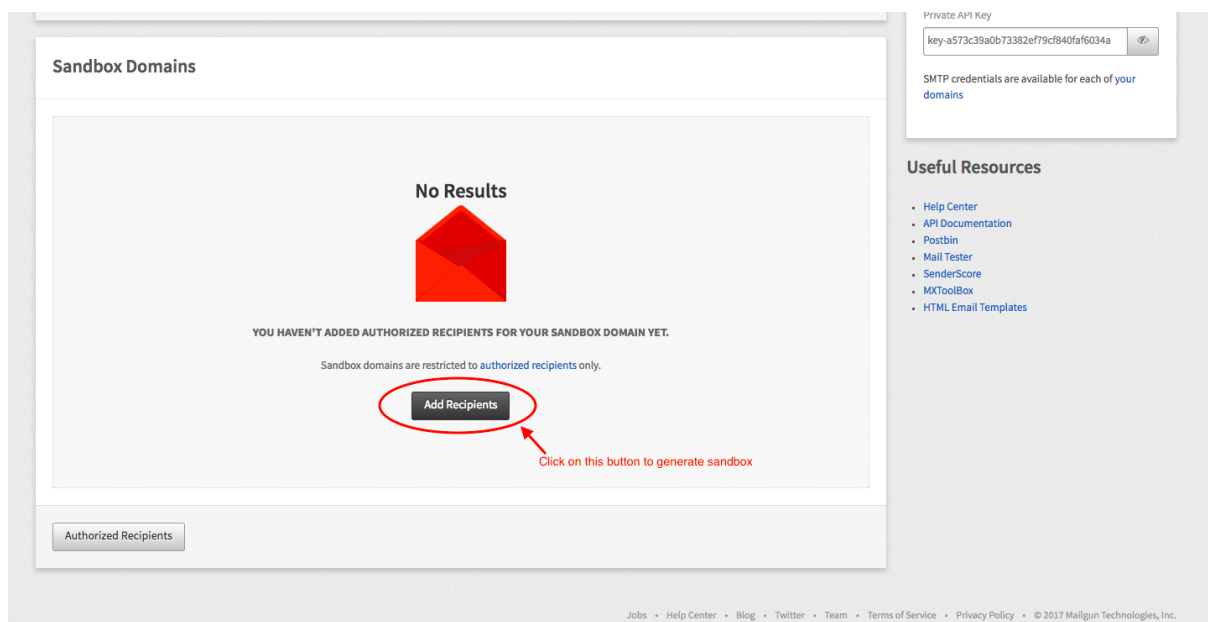
Step 5: To verify they will ask for phone number. Choose India as an option in the dropdown and then enter your phone number.



The screenshot shows the Mailgun Account Verification page. The URL in the browser is <https://signup.mailgun.com/activate/c304e57c7a3f66349f69936211fa5d8a>. The page title is "Account Verification". Below the title, it says: "To prevent abuse, Mailgun requires you to verify your account through the use of SMS. Please select your country and enter a mobile phone number to generate an authorization code that will be sent to you instantly. If you already have an authorization code, [click here](#)."

Under the heading "Mobile Phone Number", there is a dropdown menu showing the Indian flag and the number "091234 56789". A red circle highlights the dropdown menu, and a red arrow points to it with the text "Choose India here in dropdown". Below the input field is a button labeled "Send Verification Code".

Step 6: After verification, scroll down to Sandbox Domain section. Click on Add Recipient button.



The screenshot shows the Mailgun Sandbox Domains page. The URL in the browser is <https://mailgun.com/sandbox>. The page title is "Sandbox Domains". Below the title, it says: "No Results". Below this, there is a red envelope icon. Below the icon, it says: "YOU HAVEN'T ADDED AUTHORIZED RECIPIENTS FOR YOUR SANDBOX DOMAIN YET." Below this, it says: "Sandbox domains are restricted to [authorized recipients](#) only." Below this, there is a button labeled "Add Recipients". A red circle highlights the "Add Recipients" button, and a red arrow points to it with the text "Click on this button to generate sandbox".

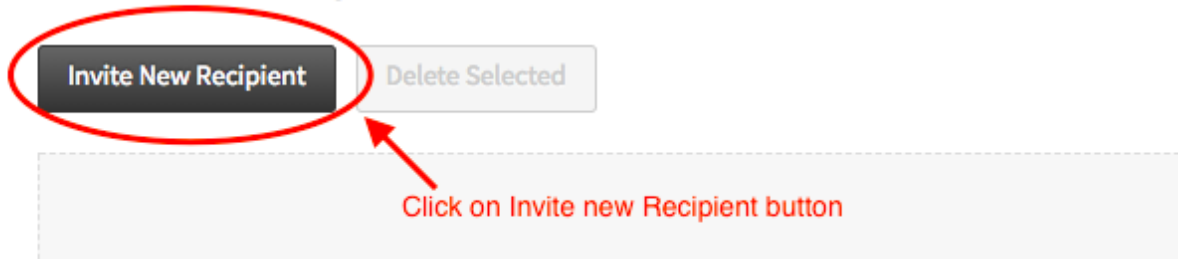
On the right side of the page, there is a section titled "Useful Resources" with links to: Help Center, API Documentation, Postbin, Mail Tester, SenderScore, MXToolBox, and HTML Email Templates.

Step 7: Click on Invite New Recipient button.

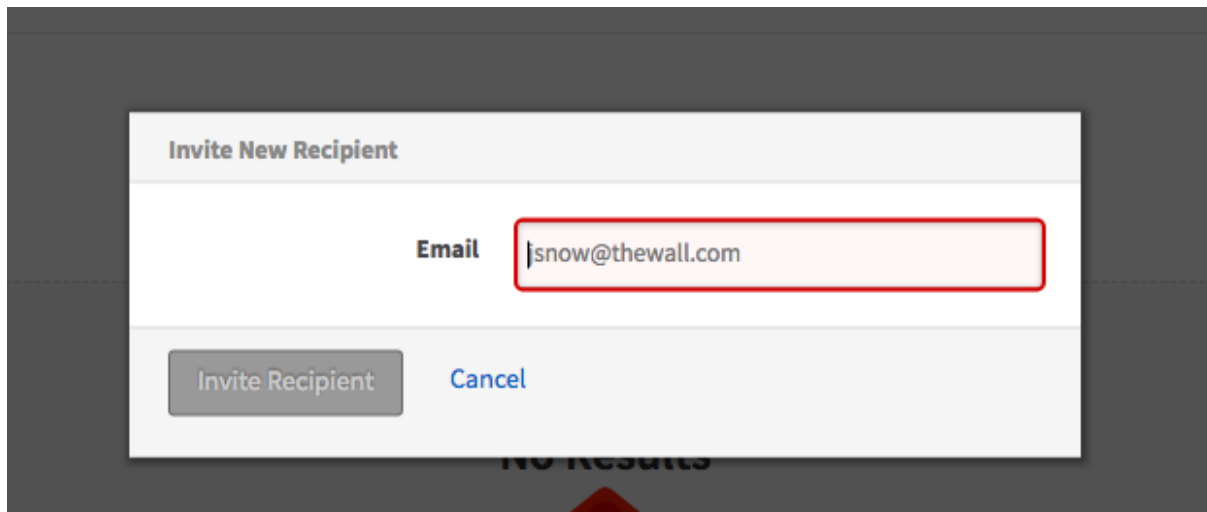
Account

Settings Security **Authorized Recipients**

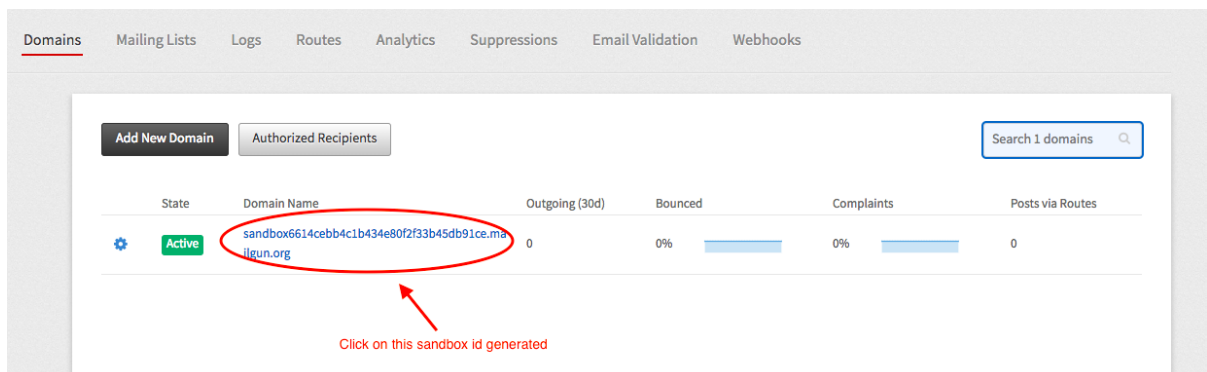
Authorized Recipients



Step 8: Enter the Recipient Email ID. In this case enter your Email ID.



Step 9: After adding Email ID a new sandbox will be generated. Click on the ID of the newly generated sandbox. Refer below image for the same.



Step 10: The new screen will have all the necessary credentials that you want for sending an email. Copy all this credentials and save in the notepad.

Domains / `sandbox6614cebb4c1b434e80f2f33b45db91ce.mailgun.org`

DOMAIN

sandbox6614cebb4c1b434e80f2f33b45db91ce.mailgun.org

This is your sandbox URL

Domain Information

State **Active**

IP Address 184.173.153.194 • [Manage IPs](#)

SMTP Hostname smtp.mailgun.org

Default SMTP Login postmaster@sandbox6614cebb4c1b434e80f2f33b45db91ce.mailgun.org

API Base URL <https://api.mailgun.net/v3/sandbox6614cebb4c1b434e80f2f33b45db91ce.mailgun.org>

Default Password e02deec1807e4878411f67738fb0188c • [Manage SMTP credentials](#)

API Key **key-a573c39a0b73382ef79cf840faf6034a**

This is your private API Key

That's it. You have successfully created the account on Mailgun. In the next lesson, we will use Bolt Python library to create our own Email Alert system.

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Q. I am not able to sign into the Twilio account, it is like I have to solve the CAPTCHA in order to sign in? What is meant by CAPTCHA?

Here is a video which will explain to you what is a CAPTCHA: <https://www.youtube.com/watch?v=MWu2UiLLJI8>

Q. How long does the temp_sms.py code send an sms? Does it send sms only once, or does it send sms everytime the temperature goes beyond bounds?

The code will send you an sms everytime the temperature goes beyond its bounds.

However, if you execute the command

```
sudo python temp_sms.py
```

You will need to stay logged into the digital Ocean droplet for the code to keep monitoring the temperature and send you an sms.

[see more \(\)](#)

Q. When I execute temp_email it is showing unexpected indent error. How do I fix this?

In python, the leading whitespace (spaces and tabs) at the beginning of a logical line is used to compute the indentation level of the line, which in turn is used to determine the grouping of statements.

The levels number of white spaces is known as an indentation level.

If you are facing unexpected indent error, it probably means that the white spaces before and after a logical grouping of instructions is different without having any function declaration or any kind of

[see more \(\)](#)

Q. I am getting an indentation error. How do I solve it?

This means that you have not given proper indentation i.e. spaces before the start of each line of code. Do check the code given as part of the tutorial carefully and make suitable changes. I suggest you read the course content again to be sure that there are no errors.

Q. If I have multiple input-output devices how are they to be arranged? in series or parallel?

The question of using multiple input-output devices in series or in parallel only comes in if you want to sense or control these devices using a single pin of the Bolt module.

It is not recommended that you try to sense or control multiple devices using a single pin of the Bolt unit.

Using multiple input-output devices with a single pin in the right manner is a skill-intensive task, where the method depends on the devices used and desired system behaviour.

[see more \(\)](#)

[View more](#)

Ask your doubts to the instructor personally if they are not already answered on forum.

Type what you want to ask the instructor



ASK THE INSTRUCTOR