



# PHP Sending Email

Dr. Jenila Livingston L.M.

VIT Chennai

# Sending e-mail's through PHP script

```
mail( to, subject, message, headers, parameters );
```

Here is the description for each parameters.

Parameter	Description
to	Required. Specifies the receiver / receivers of the email
subject	Required. Specifies the subject of the email. This parameter cannot contain any newline characters
message	Required. Defines the message to be sent. Each line should be separated with a LF (\n). Lines should not exceed 70 characters
headers	Optional. Specifies additional headers, like From, Cc, and Bcc. The additional headers should be separated with a CRLF (\r\n)
parameters	Optional. Specifies an additional parameter to the sendmail program

# Sending a simple message

```
<?php
```

```
$to = "you@gmail.com";
```

```
$subject = "test mail";
```

```
$message = " PHP email fake send mail setup works ";
```

```
$res=mail($to, $subject, $message);
```

```
if($res) {
```

```
    echo 'Email sent successfully!';
```

```
} else {
```

```
    die('Failure: Email was not sent!');
```

```
}
```

```
?>
```

# Send Email with Extra header

```
<?php
```

```
$to = "you@gmail.com";
```

```
$subject = "test mail";
```

```
$message = "PHP email fake send mail setup works !";
```

```
$headers = 'From: <me@gmail.com>' . "\r\n";
```

```
$res=mail($to, $subject, $message, $headers);
```

```
if($res) {
```

```
    echo 'Email sent successfully!';
```

```
} else {
```

```
    die('Failure: Email was not sent!');
```

```
}
```

# Sending e-mail

- While sending an email message you can specify a
  - Mime version,
  - content type and
  - character setto send an HTML email.

# Sending e-mail – Multiple recipients

- Using Mime and MIME\_Mail to send an e-mail to multiple recipients requires that you identify the appropriate headers in an array.
- After instantiating the Mail\_MIME class, you call the headers() method and pass in this array

# Email with Mime version and Content type

- `// Always set content-type when sending HTML email`  
`$headers = "MIME-Version: 1.0" . "\r\n";`  
`$headers .= "Content-type:text/html;charset=UTF-8" . "\r\n";`
- `// $headers .= "Content-type:text/html;charset=iso-8859-1" . "\r\n";`  
  
`// More headers`  
`$headers .= 'From: <me@gmail.com>' . "\r\n";`  
`$headers .= 'Cc: myboss@gmail.com' . "\r\n";`  
  
`mail($to,$subject,$message,$headers);`  
`?>`

**MIME (Multipurpose Internet Mail Extension) version, content type and character set**

To send an attachment along with the email, we need to set the **Content-Type** as **mixed/multipart**

# Sending Mails

```
<?php
$to = "you@gmail.com";
$subject = "test mail";
$message = "PHP email fake send mail setup works !";
// Always set content-type when sending HTML email
$headers = "MIME-Version: 1.0" . "\r\n";
$headers .= "Content-type:text/html;charset=iso-8859-1" . "\r\n";

//More headers
$headers = 'From: <me@gmail.com>' . "\r\n";
$headers .= 'Cc: myboss@gmail.com' . "\r\n";
$res=mail($to, $subject, $message, $headers);

if($res) {
    echo 'Email sent successfully!';
} else {
    die('Failure: Email was not sent!');
}
?>
```



# Email with other Parameters (body and attachment)

//plain text

```
$body = "--$boundary\r\n";  
$body .= "Content-Type: text/plain; charset=ISO-8859-1\r\n";  
$body .= "Content-Transfer-Encoding: base64\r\n\r\n";  
$body .= chunk_split(base64_encode($message));
```

//attachment

```
$body .= "--$boundary\r\n";  
$body .= "Content-Type: $file_type; name=\".$file_name.\" \r\n";  
$body .= "Content-Disposition: attachment; filename=\".$file_name.\" \r\n";  
$body .= "Content-Transfer-Encoding: base64\r\n";  
$body .= "X-Attachment-Id: ".rand(1000, 99999)." \r\n\r\n";  
$body .= $encoded_content; // Attaching the encoded file with email
```

```
$res = mail($to, $subject, $message, $headers, $body);
```

# Email with attachment

- `$mail->WordWrap = 50; // Set word wrap to 50 characters`
- `$mail->addAttachment('/var/tmp/file.tar.gz'); // Add attachments`
- `$mail->addAttachment('/tmp/image.jpg', 'new.jpg'); // Optional name`
- `$mail->isHTML(true); // Set email format to HTML`

## Steps to Send Mail From Localhost XAMPP Using Gmail:

1. Open XAMPP Installation Directory.
2. Go to C:\xampp\php and open the php.ini file.
3. Find [mail function] by pressing ctrl + f.
4. Search and pass the following values:

```
1 SMTP=smtp.gmail.com
2 smtp_port=587
3 sendmail_from = YourGmailId@gmail.com
4 sendmail_path = "\"C:\xampp\sendmail\sendmail.exe\" -t"
```

5. Now, go to C:\xampp\sendmail and open sendmail.ini file.
6. Find [sendmail] by pressing ctrl + f.
7. Search and pass the following values

```
1 smtp_server=smtp.gmail.com
2 smtp_port=587
3 error_logfile=error.log
4 debug_logfile=debug.log
5 auth_username=YourGmailId@gmail.com
6 auth_password=Your-Gmail-Password
7 force_sender=YourGmailId@gmail.com(optional)
```

# Steps to Send Mail From Localhost XAMPP using Mailtrap

## Php.ini

Go to C:\xampp\php and open the php.ini file.

```
[mail function]
; For Win32 only.
; http://php.net/smtp
smtp=smtp.mailtrap.io
; http://php.net/smtp-port
smtp_port=25

; For Win32 only.
; http://php.net/sendmail-from
sendmail_from = me@gmail.com

; http://php.net/sendmail-path
sendmail_path = "\"C:\xampp\sendmail\sendmail.exe\" -t"
mail.add_x_header=On
```

# Sendmail.ini

go to C:\xampp\sendmail and open sendmail.ini file

```
smtp_server=smtp.mailtrap.io
```

```
smtp_server=smtp.gmail.com
```

```
smtp_port=25
```

```
smtp_ssl=auto
```


```
auth_username=14d4ba73955d8f
```

```
auth_password=95f1767ba490dc
```

```
force_sender=me@gmail.com
```

# Credentials

← → ↻ mailtrap.io/inboxes/1087417/messages



mailtrap  
by railware

Inboxes

API

Billing

☰ Inboxes > Demo inbox

🔍 Start with...

test mail  
to: <jenilenleni@gmail.com> 16 minutes ago

sendmail test  
to: <jenilenleni@gmail.com> 37 minutes ago

## Demo inbox

SMTP Settings Email Address Auto F

### SMTP / POP3 ? ↻ Reset Credentials

Use these settings to send messages directly from your ema

[Hide Credentials ^](#)

#### SMTP

Host:	smtp.mailtrap.io
Port:	25 or 465 or 587 or 2525
Username:	14d4ba73955d8f
Password:	95f1767ba490dc
Auth:	PLAIN, LOGIN and CRAM-MD5
TLS:	Optional (STARTTLS on all ports)

# Output Screen

The screenshot displays the Mailtrap web application interface. The browser's address bar shows the URL `mailtrap.io/inboxes/1087417/messages/1906680411`. The left sidebar contains navigation links for **Inboxes**, **API**, and **Billing**. The main content area is titled **Inboxes > Demo inbox > test mail**. It features a search bar labeled "Start with..." and a list of captured emails. The first email, titled "test mail", is highlighted in green and shows the recipient as `<jenilenleni@gmail.com>` and was received "26 minutes ago". Below it is a greyed-out email titled "sendmail test" with the same recipient, received "an hour ago". On the right, the details for the selected "test mail" are shown, including the "From" and "To" fields. Below the details are tabs for **HTML**, **HTML Source**, and **Text**. The **Text** tab is active, displaying the email body content: `PHP email fake send mail setup works!`.

# Online Videos

- <https://www.youtube.com/watch?v=Ih1UNGA518s>
- <https://www.youtube.com/watch?v=L-WBJwaJ7go>
- <https://www.youtube.com/watch?v=0o8cJOpqez0>