

Sending e-mail

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scrapy-master\docs\topics\ (scrapy-master) (docs) (topics)email.rst, line 7)

Unknown directive type "module".

```
.. module:: scrapy.mail
   :synopsis: Email sending facility
```

Although Python makes sending e-mails relatively easy via the `mod:`smtplib`` library, Scrapy provides its own facility for sending e-mails which is very easy to use and it's implemented using `:doc:`Twisted non-blocking IO <twisted:core/howto/defer-intro>``, to avoid interfering with the non-blocking IO of the crawler. It also provides a simple API for sending attachments and it's very easy to configure, with a few `:ref:`settings <topics-email-settings>``.

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Unknown interpreted text role "mod".

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Unknown interpreted text role "doc".

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Quick example

There are two ways to instantiate the mail sender. You can instantiate it using the standard `__init__` method:

```
from scrapy.mail import MailSender
mailer = MailSender()
```

Or you can instantiate it passing a Scrapy settings object, which will respect the `:ref:`settings <topics-email-settings>``:

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```
mailer = MailSender.from_settings(settings)
```

And here is how to use it to send an e-mail (without attachments):

```
mailer.send(to=["someone@example.com"], subject="Some subject", body="Some body", cc=["another@example.com"])
```

MailSender class reference

MailSender is the preferred class to use for sending emails from Scrapy, as it uses `:doc:`Twisted non-blocking IO <twisted:core/howto/defer-intro>``, like the rest of the framework.

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param smtphost: the SMTP host to use for sending the emails. If omitted, the `:setting:`MAIL_HOST`` setting will be used.

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type smtphost: str

param mailfrom: the address used to send emails (in the `From:` header). If omitted, the `:setting:'MAIL_FROM'` setting will be used.

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type mailfrom: str

param smtpuser: the SMTP user. If omitted, the `:setting:'MAIL_USER'` setting will be used. If not given, no SMTP authentication will be performed.

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Unknown interpreted text role "setting".

type smtphost: str or bytes

param smtppass: the SMTP pass for authentication.

type smtppass: str or bytes

param smtpport: the SMTP port to connect to

type smtpport: int

param smtptls: enforce using SMTP STARTTLS

type smtptls: bool

param smtpssl: enforce using a secure SSL connection

type smtpssl: bool

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Unknown directive type "classmethod".

```
.. classmethod:: from_settings(settings)

    Instantiate using a Scrapy settings object, which will respect
    :ref:`these Scrapy settings <topics-email-settings>`.

    :param settings: the e-mail recipients
    :type settings: :class:`scrapy.settings.Settings` object
```

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Unknown directive type "method".

```
.. method:: send(to, subject, body, cc=None, attaches=(), mimetype='text/plain', charset=None)

    Send email to the given recipients.

    :param to: the e-mail recipients as a string or as a list of strings
    :type to: str or list

    :param subject: the subject of the e-mail
    :type subject: str

    :param cc: the e-mails to CC as a string or as a list of strings
    :type cc: str or list

    :param body: the e-mail body
    :type body: str

    :param attaches: an iterable of tuples `` (attach_name, mimetype,
        file_object)`` where ``attach_name`` is a string with the name that will
        appear on the e-mail's attachment, ``mimetype`` is the mimetype of the
        attachment and ``file_object`` is a readable file object with the
        contents of the attachment
    :type attaches: collections.abc.Iterable

    :param mimetype: the MIME type of the e-mail
    :type mimetype: str
```

```
:param charset: the character encoding to use for the e-mail contents
:type charset: str
```

Mail settings

These settings define the default `__init__` method values of the `:class:'MailSender'` class, and can be used to configure e-mail notifications in your project without writing any code (for those extensions and code that uses `:class:'MailSender'`).

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Unknown interpreted text role "class".

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Unknown interpreted text role "class".

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Unknown directive type "setting".

```
.. setting:: MAIL_FROM
```

MAIL_FROM

Default: 'scrapy@localhost'

Sender email to use (From: header) for sending emails.

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Unknown directive type "setting".

```
.. setting:: MAIL_HOST
```

MAIL_HOST

Default: 'localhost'

SMTP host to use for sending emails.

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Unknown directive type "setting".

```
.. setting:: MAIL_PORT
```

MAIL_PORT

Default: 25

SMTP port to use for sending emails.

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```
.. setting:: MAIL_USER
```

MAIL_USER

Default: None

User to use for SMTP authentication. If disabled no SMTP authentication will be performed.

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```
.. setting:: MAIL_PASS
```

MAIL_PASS

Default: None

Password to use for SMTP authentication, along with `:setting:`MAIL_USER``.

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Unknown directive type "setting".

```
.. setting:: MAIL_TLS
```

MAIL_TLS

Default: False

Enforce using STARTTLS. STARTTLS is a way to take an existing insecure connection, and upgrade it to a secure connection using SSL/TLS.

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Unknown directive type "setting".

```
.. setting:: MAIL_SSL
```

MAIL_SSL

Default: False

Enforce connecting using an SSL encrypted connection