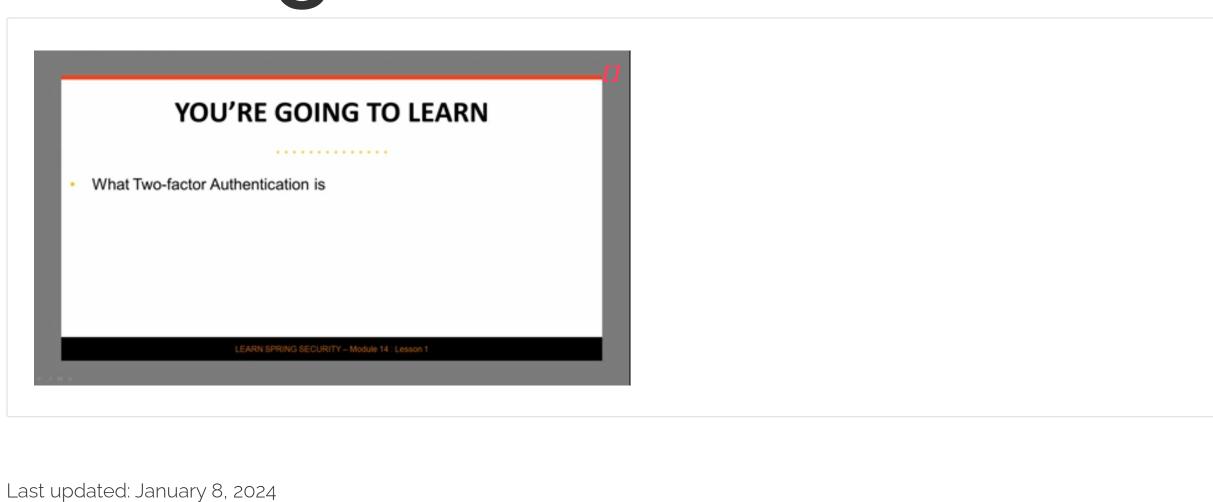
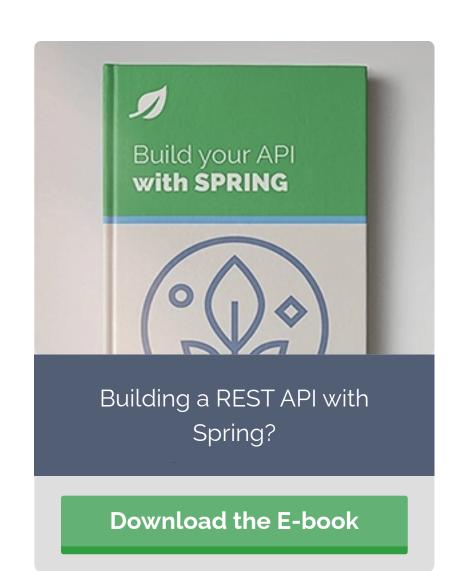
# Sending Emails with Java



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### In this quick tutorial, we're going to look at sending an email with and without attachments using the core Java mail library.

</dependency>

1. Overview

2. Project Setup and Dependency

### <dependency>

Eclipse implementation of the Jakarta Mail API specification:

<groupId>org.eclipse.angus <artifactId>angus-mail</artifactId> <version>2.0.1

For this article, we'll be using a simple Maven-based project with a dependency on Angus Mail. This is the

```
The latest version can be found here.
3. Sending a Plain Text and an HTML Email
```

## The configuration is via a Java *Properties* object:

Session that'll be used in constructing our message for sending.

First, we need to configure the library with our email service provider's credentials. Then we'll create a

Properties prop = new Properties();

prop.put("mail.smtp.starttls.enable", "true");

prop.put("mail.smtp.host", "smtp.mailtrap.io");

MimeBodyPart mimeBodyPart = new MimeBodyPart();

mimeBodyPart.setContent(msg, "text/html; charset=utf-8");

4. Sending Email With an Attachment

prop.put("mail.smtp.ssl.trust", "smtp.mailtrap.io");

return new PasswordAuthentication(username, password);

prop.put("mail.smtp.auth", true);

prop.put("mail.smtp.port", "25");

});

```
In the properties configuration above, we configured the email host as Mailtrap and used the port provided by
the service as well.
Now let's create a session with our username and password:
 Session session = Session.getInstance(prop, new Authenticator() {
      @Override
     protected PasswordAuthentication getPasswordAuthentication() {
```

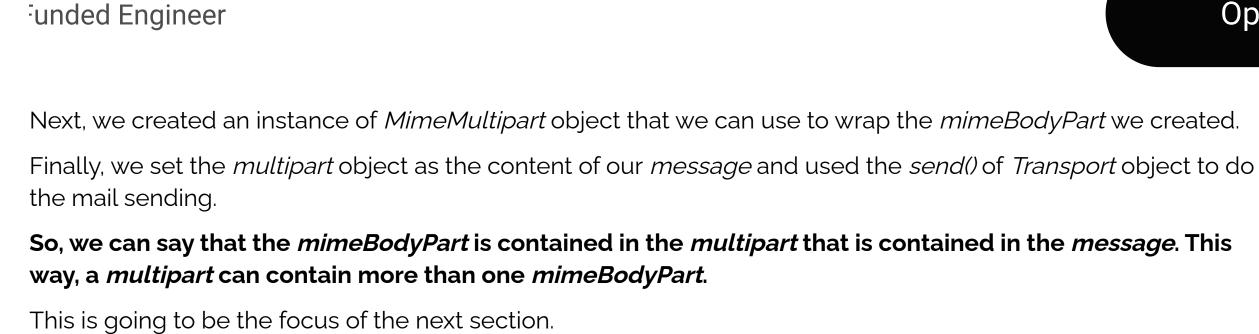
The username and password are given by the mail service provider alongside the host and port parameters. Now that we have a mail *Session* object, let's create a *MimeMessage* for sending:

```
Message message = new MimeMessage(session);
message.setFrom(new InternetAddress("from@gmail.com"));
message.setRecipients(
 Message.RecipientType.TO, InternetAddress.parse("to@gmail.com"));
message.setSubject("Mail Subject");
String msg = "This is my first email using JavaMailer";
```

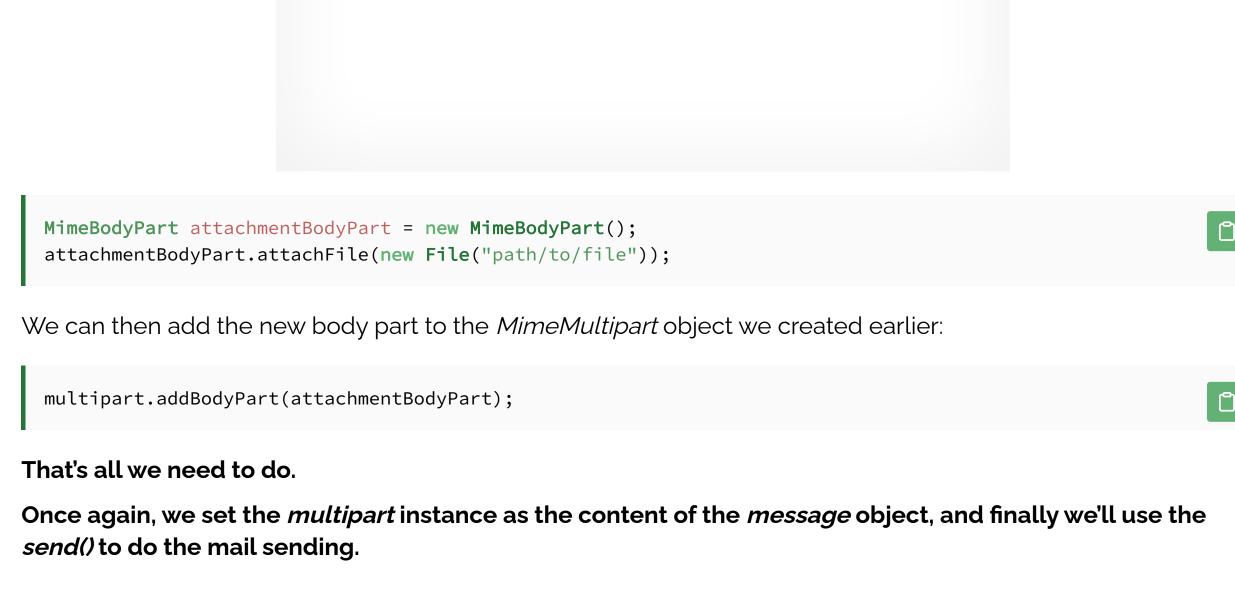
Multipart multipart = new MimeMultipart(); multipart.addBodyPart(mimeBodyPart); message.setContent(multipart); Transport.send(message); In the snippet above, we first created a *message* instance with the necessary properties — to, from and subject. This is followed by a *mimeBodyPart* that has an encoding of *text/html* since our message is styled in HTML.

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Next, to send an attachment, we only need to create another *MimeBodyPart* and attach the file(s) to it: **ADVERTISING** 



the style tag. We can also combine HTML tags with CSS tags if we want to have additional properties, such as bold. Let's create a String containing bold-red text:

5. Formatting Email Text

6. Conclusion

This String will hold our styled text to be sent in the email body.

To format and style our email text, we can use HTML and CSS tags.

String msgStyled = "This is my <b style='color:red;'>bold-red email</b> using JavaMailer";

In this article, we've seen how to use the Jakarta Mail API to send emails even with attachments.

For example, if we want our text to be bold, we will implement the <b> tag. For coloring the text, we can use

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As always, the complete source code is available over on GitHub.

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