**一、什么是SMTP**

SMTP（Simple Mail Transfer Protocol）即[简单邮件传输协议](https://baike.baidu.com/item/%E7%AE%80%E5%8D%95%E9%82%AE%E4%BB%B6%E4%BC%A0%E8%BE%93%E5%8D%8F%E8%AE%AE" \t "https://baike.baidu.com/item/SMTP/_blank),它是一组用于由源地址到目的地址传送[邮件](https://baike.baidu.com/item/%E9%82%AE%E4%BB%B6" \t "https://baike.baidu.com/item/SMTP/_blank)的规则，由它来控制信件的中转方式。[SMTP协议](https://baike.baidu.com/item/SMTP%E5%8D%8F%E8%AE%AE" \t "https://baike.baidu.com/item/SMTP/_blank)属于[TCP/IP协议簇](https://baike.baidu.com/item/TCP/IP%E5%8D%8F%E8%AE%AE%E7%B0%87" \t "https://baike.baidu.com/item/SMTP/_blank)，它帮助每台[计算机](https://baike.baidu.com/item/%E8%AE%A1%E7%AE%97%E6%9C%BA" \t "https://baike.baidu.com/item/SMTP/_blank)在发送或中转信件时找到下一个目的地。通过SMTP协议所指定的[服务器](https://baike.baidu.com/item/%E6%9C%8D%E5%8A%A1%E5%99%A8" \t "https://baike.baidu.com/item/SMTP/_blank),就可以把E-mail寄到收信人的服务器上了，整个过程只要几分钟。SMTP[服务器](https://baike.baidu.com/item/%E6%9C%8D%E5%8A%A1%E5%99%A8" \t "https://baike.baidu.com/item/SMTP/_blank)则是遵循SMTP协议的发送[邮件服务器](https://baike.baidu.com/item/%E9%82%AE%E4%BB%B6%E6%9C%8D%E5%8A%A1%E5%99%A8" \t "https://baike.baidu.com/item/SMTP/_blank)，用来发送或中转发出的[电子邮件](https://baike.baidu.com/item/%E7%94%B5%E5%AD%90%E9%82%AE%E4%BB%B6" \t "https://baike.baidu.com/item/SMTP/_blank)。

它使用由TCP提供的可靠的数据传输服务把邮件消息从发信人的邮件服务器传送到收信人的邮件服务器。跟大多数应用层协议一样，SMTP也存在两个端：在发信人的邮件服务器上执行的客户端和在收信人的邮件服务器上执行的服务器端。SMTP的客户端和服务器端同时运行在每个邮件服务器上。当一个邮件服务器在向其他邮件服务器发送邮件消息时，它是作为SMTP客户在运行。

SMTP协议与人们用于面对面交互的礼仪之间有许多相似之处。首先，运行在发送端邮件服务器主机上的SMTP客户，发起建立一个到运行在接收端邮件服务器主机上的SMTP服务器端口号25之间的TCP连接。如果接收邮件服务器当前不在工作，SMTP客户就等待一段时间后再尝试建立该连接。SMTP客户和服务器先执行一些应用层握手操作。就像人们在转手东西之前往往先自我介绍那样，SMTP客户和服务器也在传送信息之前先自我介绍一下。 在这个SMTP握手阶段，SMTP客户向服务器分别指出发信人和收信人的电子邮件地址。

1. **JavaMail API简介**

JavaMail API是Sun公司为方便Java开发人员在应用程序中实现邮件发送和接收功能而提供的一套标准开发包，它支持一些常用的邮件协议，如：SMTP、POP3、IMAP和MIME等。开发人员使用JavaMail API编写邮件处理软件时，无须考虑邮件协议底层的实现细节，只要调用JavaMail开发包中相应的API类就可以了。JavaMail API封装在一个名mail.jar的文件中，它是开发JavaMail应用程序时所必须使用的核心jar包。

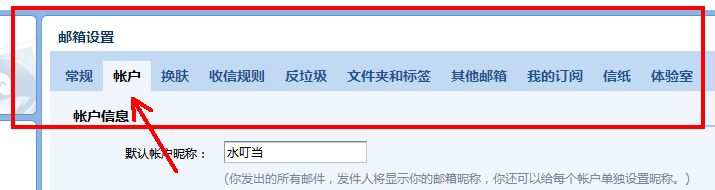
**三、SMTP协议发送电子邮件**

**1、设置QQ邮箱开启SMTP协议并记录QQ邮箱的授权码。**

**(1)打开QQ邮箱，点击上面的设置**



**（2）点击邮箱设置中的账户**



**（3）点击POP3/SMTP服务后面的开启**



1. 找到SMTP服务的选项，可以看到此处默认是关闭的，点击开启，然后腾讯会进行一些身份验证，身份验证通过以后，腾讯会给出一个用于使用SMTP的16位口令，此处这个口令一定牢记，因为后面要使用SMTP功能必须要用到这个口令，没有这个口令即使知道QQ邮箱密码也没有用，后面我们将该口令记为SMTP口令。
2. **java的邮箱功能需要javax.mail这个jar包**



**3、发送普通文本邮件**

**(1)**Email\_Autherticator类

**import** javax.mail.Authenticator;

**import** javax.mail.PasswordAuthentication;

/\*

\* 认证器类

\*/

**public** **class** Email\_Autherticator **extends** Authenticator {

**private** String username;

**private** String password;

**public** Email\_Autherticator(String username, String password) {

**this**.username = username;

**this**.password = password;

}

**public** PasswordAuthentication getPasswordAuthentication() {

**return** **new** PasswordAuthentication(username, password);

}

}

**(2)**EmailSendTool1

**import** javax.mail.Address;

**import** javax.mail.Authenticator;

**import** javax.mail.Message;

**import** javax.mail.MessagingException;

**import** javax.mail.Session;

**import** javax.mail.Transport;

**import** javax.mail.internet.InternetAddress;

**import** javax.mail.internet.MimeMessage;

**import** com.sun.mail.util.MailSSLSocketFactory;

/\*

\* 发送普通文本

\*/

**public** **class** EmailSendTool1 {

// 邮箱服务器

**private** String host;

**private** String mail\_from;

**private** String mail\_to;

**private** String mail\_subject;

**private** String mail\_body;

**public** EmailSendTool1(String host, String mail\_from, String mail\_to,

String mail\_subject, String mail\_body) {

**this**.host = host;

**this**.mail\_from = mail\_from;

**this**.mail\_to = mail\_to;

**this**.mail\_subject = mail\_subject;

**this**.mail\_body = mail\_body;

}

**public** EmailSendTool1() {

}

**public** String getHost() {

**return** host;

}

**public** **void** setHost(String host) {

**this**.host = host;

}

**public** String getMail\_from() {

**return** mail\_from;

}

**public** **void** setMail\_from(String mail\_from) {

**this**.mail\_from = mail\_from;

}

**public** String getMail\_to() {

**return** mail\_to;

}

**public** **void** setMail\_to(String mail\_to) {

**this**.mail\_to = mail\_to;

}

**public** String getMail\_subject() {

**return** mail\_subject;

}

**public** **void** setMail\_subject(String mail\_subject) {

**this**.mail\_subject = mail\_subject;

}

**public** String getMail\_body() {

**return** mail\_body;

}

**public** **void** setMail\_body(String mail\_body) {

**this**.mail\_body = mail\_body;

}

/\*\*

\* 此段代码用来发送普通电子邮件

\*

\* **@throws** MessagingException

\* **@throws** UnsupportedEncodingException

\* **@throws** GeneralSecurityException

\*/

**public** **void** send() **throws** GeneralSecurityException, MessagingException {

Properties props = **new** Properties();

//"xx@qq.com", "密码（此处密码为从QQ邮箱的【设置】->【账户】->【POP3/IMAP/SMTP...】中获取的授权码）"

Authenticator auth = **new** Email\_Autherticator("158759307@qq.com", "qq邮箱授权码"); // 进行邮件服务器用户认证

props.put("mail.smtp.host", host);

props.put("mail.smtp.auth", "true"); //true为需要身份验证

props.put("mail.transport.protocol", "smtp");

MailSSLSocketFactory sf = **new** MailSSLSocketFactory();//ssl(安全套接层)设置

sf.setTrustAllHosts(**true**); //信任所有的主机

props.put("mail.smtp.ssl.enable", "true");

props.put("mail.smtp.ssl.socketFactory", sf);

Session session = Session.*getInstance*(props, auth);

// 设置session,和邮件服务器进行通讯。

MimeMessage message = **new** MimeMessage(session);

message.setContent(mail\_body , "text/html;charset=utf-8"); // 设置邮件正文

message.setSubject(mail\_subject); // 设置邮件主题

message.setSentDate(**new** Date()); // 设置邮件发送日期

Address address = **new** InternetAddress(mail\_from);

message.setFrom(address); // 设置邮件发送者的地址

Address toAddress = **new** InternetAddress(mail\_to); // 设置邮件接收方的地址

message.addRecipient(Message.RecipientType.***TO***, toAddress);

Transport.*send*(message); // 发送邮件

}

**public** **static** **void** main(String[] args) {

EmailSendTool1 sendEmail = **new** EmailSendTool1("smtp.qq.com",

"158759307@qq.com", "1937138205@qq.com", "test", "邮件内容");

System.***out***.println("main");

**try** {

sendEmail.send();

} **catch** (Exception e) {

e.printStackTrace();

}

}

}

1. **同时发送多个收件人和抄送**

**import** java.security.GeneralSecurityException;

**import** java.util.Date;

**import** java.util.Properties;

**import** javax.mail.Address;

**import** javax.mail.Authenticator;

**import** javax.mail.Message;

**import** javax.mail.MessagingException;

**import** javax.mail.Session;

**import** javax.mail.Transport;

**import** javax.mail.internet.InternetAddress;

**import** javax.mail.internet.MimeMessage;

**import** com.sun.mail.util.MailSSLSocketFactory;

**import** two.Email\_Autherticator;

/\*

\* 发送普通文本

\*/

**public** **class** EmailSendTool2 {

// 邮箱服务器

**private** String host;

**private** String mail\_from;

**private** String mail\_to;

**private** String mail\_subject;

**private** String mail\_body;

**public** EmailSendTool2(String host, String mail\_from, String mail\_to,

String mail\_subject, String mail\_body) {

**this**.host = host;

**this**.mail\_from = mail\_from;

**this**.mail\_to = mail\_to;

**this**.mail\_subject = mail\_subject;

**this**.mail\_body = mail\_body;

}

**public** EmailSendTool2() {

}

**public** String getHost() {

**return** host;

}

**public** **void** setHost(String host) {

**this**.host = host;

}

**public** String getMail\_from() {

**return** mail\_from;

}

**public** **void** setMail\_from(String mail\_from) {

**this**.mail\_from = mail\_from;

}

**public** String getMail\_to() {

**return** mail\_to;

}

**public** **void** setMail\_to(String mail\_to) {

**this**.mail\_to = mail\_to;

}

**public** String getMail\_subject() {

**return** mail\_subject;

}

**public** **void** setMail\_subject(String mail\_subject) {

**this**.mail\_subject = mail\_subject;

}

**public** String getMail\_body() {

**return** mail\_body;

}

**public** **void** setMail\_body(String mail\_body) {

**this**.mail\_body = mail\_body;

}

/\*\*

\* 此段代码用来发送普通电子邮件

\*

\* **@throws** MessagingException

\* **@throws** UnsupportedEncodingException

\* **@throws** GeneralSecurityException

\*/

**public** **void** send() **throws** GeneralSecurityException, MessagingException {

Properties props = **new** Properties();

//"xx@qq.com", "密码（此处密码为从QQ邮箱的【设置】->【账户】->【POP3/IMAP/SMTP...】中获取的授权码）"

Authenticator auth = **new** Email\_Autherticator("158759307@qq.com", "vqhvmadgfdbsbhjg"); // 进行邮件服务器用户认证

props.put("mail.smtp.host", host);

props.put("mail.smtp.auth", "true"); //true为需要身份验证

props.put("mail.transport.protocol", "smtp");

MailSSLSocketFactory sf = **new** MailSSLSocketFactory();//ssl(安全套接层)设置

sf.setTrustAllHosts(**true**); //信任所有的主机

props.put("mail.smtp.ssl.enable", "true");

props.put("mail.smtp.ssl.socketFactory", sf);

Session session = Session.*getInstance*(props, auth);

// 设置session,和邮件服务器进行通讯。

MimeMessage message = **new** MimeMessage(session);

message.setContent(mail\_body , "text/html;charset=utf-8"); // 设置邮件正文

message.setSubject(mail\_subject); // 设置邮件主题

message.setSentDate(**new** Date()); // 设置邮件发送日期

Address address = **new** InternetAddress(mail\_from);

message.setFrom(address); // 设置邮件发送者的地址

Address toAddress1 = **new** InternetAddress(mail\_to); // 设置邮件接收方的地址

Address toAddress2 = **new** InternetAddress("beijingzhaoying@163.com");

//发送多个收件人

message.addRecipients(Message.RecipientType.***TO***, **new** Address[]{toAddress1 , toAddress2});

//抄送

Address toAddress = **new** InternetAddress("1544338394@qq.com");

message.addRecipient(Message.RecipientType.***CC***, toAddress);

Transport.*send*(message); // 发送邮件

}

**public** **static** **void** main(String[] args) {

EmailSendTool2 sendEmail = **new** EmailSendTool2("smtp.qq.com",

"158759307@qq.com", "1937138205@qq.com", "test", "邮件内容");

System.***out***.println("main");

**try** {

sendEmail.send();

} **catch** (Exception e) {

e.printStackTrace();

}

}

}

**5、发送带图片的电子邮件**

**import** java.security.GeneralSecurityException;

**import** java.util.Date;

**import** java.util.Properties;

**import** javax.activation.DataHandler;

**import** javax.activation.FileDataSource;

**import** javax.mail.Address;

**import** javax.mail.Authenticator;

**import** javax.mail.Message;

**import** javax.mail.MessagingException;

**import** javax.mail.Session;

**import** javax.mail.Transport;

**import** javax.mail.internet.InternetAddress;

**import** javax.mail.internet.MimeBodyPart;

**import** javax.mail.internet.MimeMessage;

**import** javax.mail.internet.MimeMultipart;

**import** com.sun.mail.util.MailSSLSocketFactory;

**import** two.Email\_Autherticator;

/\*

\* 发送图片

\*/

**public** **class** EmailSendTool3 {

// 邮箱服务器

**private** String host;

**private** String mail\_from;

**private** String mail\_to;

**private** String mail\_subject;

**private** String mail\_body;

**public** EmailSendTool3(String host, String mail\_from, String mail\_to,

String mail\_subject, String mail\_body) {

**this**.host = host;

**this**.mail\_from = mail\_from;

**this**.mail\_to = mail\_to;

**this**.mail\_subject = mail\_subject;

**this**.mail\_body = mail\_body;

}

**public** EmailSendTool3() {

}

**public** String getHost() {

**return** host;

}

**public** **void** setHost(String host) {

**this**.host = host;

}

**public** String getMail\_from() {

**return** mail\_from;

}

**public** **void** setMail\_from(String mail\_from) {

**this**.mail\_from = mail\_from;

}

**public** String getMail\_to() {

**return** mail\_to;

}

**public** **void** setMail\_to(String mail\_to) {

**this**.mail\_to = mail\_to;

}

**public** String getMail\_subject() {

**return** mail\_subject;

}

**public** **void** setMail\_subject(String mail\_subject) {

**this**.mail\_subject = mail\_subject;

}

**public** String getMail\_body() {

**return** mail\_body;

}

**public** **void** setMail\_body(String mail\_body) {

**this**.mail\_body = mail\_body;

}

/\*\*

\* 此段代码用来发送图片

\*

\* **@throws** MessagingException

\* **@throws** UnsupportedEncodingException

\* **@throws** GeneralSecurityException

\*/

**public** **void** send() **throws** GeneralSecurityException, MessagingException {

Properties props = **new** Properties();

//"xx@qq.com", "密码（此处密码为从QQ邮箱的【设置】->【账户】->【POP3/IMAP/SMTP...】中获取的授权码）"

Authenticator auth = **new** Email\_Autherticator("158759307@qq.com", "qq邮箱授权码"); // 进行邮件服务器用户认证

props.put("mail.smtp.host", host);

props.put("mail.smtp.auth", "true"); //true为需要身份验证

props.put("mail.transport.protocol", "smtp");

MailSSLSocketFactory sf = **new** MailSSLSocketFactory();//ssl(安全套接层)设置

sf.setTrustAllHosts(**true**); //信任所有的主机

props.put("mail.smtp.ssl.enable", "true");

props.put("mail.smtp.ssl.socketFactory", sf);

Session session = Session.*getInstance*(props, auth);

// 设置session,和邮件服务器进行通讯。

MimeMessage message = **new** MimeMessage(session);

// 准备邮件数据

// 准备邮件正文数据

MimeBodyPart text = **new** MimeBodyPart();

text.setContent("这是一封邮件带正文带图片<img src='cid:1.jpg' width='300' height='300'>邮件" , "text/html;charset=UTF-8");

//准备图片数据

MimeBodyPart image = **new** MimeBodyPart();

DataHandler dh = **new** DataHandler(**new** FileDataSource("src\\1.jpg"));

image.setDataHandler(dh);

image.setContentID("1.jpg");

//描述正文和图片的关系

MimeMultipart mm = **new** MimeMultipart();

mm.addBodyPart(text);

mm.addBodyPart(image);

message.setContent(mm); // 设置邮件正文

message.setSubject(mail\_subject); // 设置邮件主题

message.setSentDate(**new** Date()); // 设置邮件发送日期

Address address = **new** InternetAddress(mail\_from);

message.setFrom(address); // 设置邮件发送者的地址

Address toAddress = **new** InternetAddress(mail\_to); // 设置邮件接收方的地址

message.addRecipient(Message.RecipientType.***TO***, toAddress);

Transport.*send*(message); // 发送邮件

}

**public** **static** **void** main(String[] args) {

EmailSendTool3 sendEmail = **new** EmailSendTool3("smtp.qq.com",

"158759307@qq.com", "1937138205@qq.com", "test", "邮件内容");

System.***out***.println("main");

**try** {

sendEmail.send();

} **catch** (Exception e) {

e.printStackTrace();

}

}

}

**6、发送带附件的电子邮件**

**import** java.security.GeneralSecurityException;

**import** java.util.Date;

**import** java.util.Properties;

**import** javax.activation.DataHandler;

**import** javax.activation.FileDataSource;

**import** javax.mail.Address;

**import** javax.mail.Authenticator;

**import** javax.mail.Message;

**import** javax.mail.MessagingException;

**import** javax.mail.Session;

**import** javax.mail.Transport;

**import** javax.mail.internet.InternetAddress;

**import** javax.mail.internet.MimeBodyPart;

**import** javax.mail.internet.MimeMessage;

**import** javax.mail.internet.MimeMultipart;

**import** com.sun.mail.util.MailSSLSocketFactory;

**import** two.Email\_Autherticator;

/\*

\* 发送附件

\*/

**public** **class** EmailSendTool4 {

// 邮箱服务器

**private** String host;

**private** String mail\_from;

**private** String mail\_to;

**private** String mail\_subject;

**private** String mail\_body;

**public** EmailSendTool4(String host, String mail\_from, String mail\_to,

String mail\_subject, String mail\_body) {

**this**.host = host;

**this**.mail\_from = mail\_from;

**this**.mail\_to = mail\_to;

**this**.mail\_subject = mail\_subject;

**this**.mail\_body = mail\_body;

}

**public** EmailSendTool4() {

}

**public** String getHost() {

**return** host;

}

**public** **void** setHost(String host) {

**this**.host = host;

}

**public** String getMail\_from() {

**return** mail\_from;

}

**public** **void** setMail\_from(String mail\_from) {

**this**.mail\_from = mail\_from;

}

**public** String getMail\_to() {

**return** mail\_to;

}

**public** **void** setMail\_to(String mail\_to) {

**this**.mail\_to = mail\_to;

}

**public** String getMail\_subject() {

**return** mail\_subject;

}

**public** **void** setMail\_subject(String mail\_subject) {

**this**.mail\_subject = mail\_subject;

}

**public** String getMail\_body() {

**return** mail\_body;

}

**public** **void** setMail\_body(String mail\_body) {

**this**.mail\_body = mail\_body;

}

/\*\*

\* 此段代码用来发送附件

\*

\* **@throws** MessagingException

\* **@throws** UnsupportedEncodingException

\* **@throws** GeneralSecurityException

\*/

**public** **void** send() **throws** GeneralSecurityException, MessagingException {

Properties props = **new** Properties();

//"xx@qq.com", "密码（此处密码为从QQ邮箱的【设置】->【账户】->【POP3/IMAP/SMTP...】中获取的授权码）"

Authenticator auth = **new** Email\_Autherticator("158759307@qq.com", "qq邮箱授权码"); // 进行邮件服务器用户认证

props.put("mail.smtp.host", host);

props.put("mail.smtp.auth", "true"); //true为需要身份验证

props.put("mail.transport.protocol", "smtp");

MailSSLSocketFactory sf = **new** MailSSLSocketFactory();//ssl(安全套接层)设置

sf.setTrustAllHosts(**true**); //信任所有的主机

props.put("mail.smtp.ssl.enable", "true");

props.put("mail.smtp.ssl.socketFactory", sf);

Session session = Session.*getInstance*(props, auth);

// 设置session,和邮件服务器进行通讯。

MimeMessage message = **new** MimeMessage(session);

//创建邮件正文，为了避免邮件正文中文乱码问题，需要使用charset=UTF-8指明字符编码

MimeBodyPart text = **new** MimeBodyPart();

text.setContent("使用JavaMail创建带附件的邮件", "text/html;charset=UTF-8");// 设置邮件正文

//创建邮件附件

MimeBodyPart attach = **new** MimeBodyPart();

DataHandler dh = **new** DataHandler(**new** FileDataSource("src\\1.jpg"));

attach.setDataHandler(dh);

attach.setFileName(dh.getName());

//创建正文和数据的关系

MimeMultipart mp = **new** MimeMultipart();

mp.addBodyPart(text);

mp.addBodyPart(attach);

message.setContent(mp);

message.setSubject(mail\_subject); // 设置邮件主题

message.setSentDate(**new** Date()); // 设置邮件发送日期

Address address = **new** InternetAddress(mail\_from);

message.setFrom(address); // 设置邮件发送者的地址

Address toAddress = **new** InternetAddress(mail\_to); // 设置邮件接收方的地址

message.addRecipient(Message.RecipientType.***TO***, toAddress);

Transport.*send*(message); // 发送邮件

}

**public** **static** **void** main(String[] args) {

EmailSendTool4 sendEmail = **new** EmailSendTool4("smtp.qq.com",

"158759307@qq.com", "1937138205@qq.com", "test", "邮件内容");

System.***out***.println("main");

**try** {

sendEmail.send();

} **catch** (Exception e) {

e.printStackTrace();

}

}

}

**7、发送带图片和附件电子邮件**

**import** java.security.GeneralSecurityException;

**import** java.util.Date;

**import** java.util.Properties;

**import** javax.activation.DataHandler;

**import** javax.activation.FileDataSource;

**import** javax.mail.Address;

**import** javax.mail.Authenticator;

**import** javax.mail.Message;

**import** javax.mail.MessagingException;

**import** javax.mail.Session;

**import** javax.mail.Transport;

**import** javax.mail.internet.InternetAddress;

**import** javax.mail.internet.MimeBodyPart;

**import** javax.mail.internet.MimeMessage;

**import** javax.mail.internet.MimeMultipart;

**import** com.sun.mail.util.MailSSLSocketFactory;

**import** two.Email\_Autherticator;

/\*

\* 发送图片和附件

\*/

**public** **class** EmailSendTool5 {

// 邮箱服务器

**private** String host;

**private** String mail\_from;

**private** String mail\_to;

**private** String mail\_subject;

**private** String mail\_body;

**public** EmailSendTool5(String host, String mail\_from, String mail\_to,

String mail\_subject, String mail\_body) {

**this**.host = host;

**this**.mail\_from = mail\_from;

**this**.mail\_to = mail\_to;

**this**.mail\_subject = mail\_subject;

**this**.mail\_body = mail\_body;

}

**public** EmailSendTool5() {

}

**public** String getHost() {

**return** host;

}

**public** **void** setHost(String host) {

**this**.host = host;

}

**public** String getMail\_from() {

**return** mail\_from;

}

**public** **void** setMail\_from(String mail\_from) {

**this**.mail\_from = mail\_from;

}

**public** String getMail\_to() {

**return** mail\_to;

}

**public** **void** setMail\_to(String mail\_to) {

**this**.mail\_to = mail\_to;

}

**public** String getMail\_subject() {

**return** mail\_subject;

}

**public** **void** setMail\_subject(String mail\_subject) {

**this**.mail\_subject = mail\_subject;

}

**public** String getMail\_body() {

**return** mail\_body;

}

**public** **void** setMail\_body(String mail\_body) {

**this**.mail\_body = mail\_body;

}

/\*\*

\* 此段代码用来发送图片和附件

\*

\* **@throws** MessagingException

\* **@throws** UnsupportedEncodingException

\* **@throws** GeneralSecurityException

\*/

**public** **void** send() **throws** GeneralSecurityException, MessagingException {

Properties props = **new** Properties();

//"xx@qq.com", "密码（此处密码为从QQ邮箱的【设置】->【账户】->【POP3/IMAP/SMTP...】中获取的授权码）"

Authenticator auth = **new** Email\_Autherticator("158759307@qq.com", "qq邮箱授权码"); // 进行邮件服务器用户认证

props.put("mail.smtp.host", host);

props.put("mail.smtp.auth", "true"); //true为需要身份验证

props.put("mail.transport.protocol", "smtp");

MailSSLSocketFactory sf = **new** MailSSLSocketFactory();//ssl(安全套接层)设置

sf.setTrustAllHosts(**true**); //信任所有的主机

props.put("mail.smtp.ssl.enable", "true");

props.put("mail.smtp.ssl.socketFactory", sf);

Session session = Session.*getInstance*(props, auth);

// 设置session,和邮件服务器进行通讯。

MimeMessage message = **new** MimeMessage(session);

//创建邮件正文，为了避免邮件正文中文乱码问题，需要使用charset=UTF-8指明字符编码

MimeBodyPart text = **new** MimeBodyPart();

text.setContent("这是图片<img src='cid:1.jpg' width='300' height='300'>", "text/html;charset=UTF-8");// 设置邮件正文

//创建图片

MimeBodyPart image = **new** MimeBodyPart();

image.setDataHandler(**new** DataHandler(**new** FileDataSource("src\\1.jpg")));

image.setContentID("1.jpg");

//创建邮件附件

MimeBodyPart attach = **new** MimeBodyPart();

DataHandler dh = **new** DataHandler(**new** FileDataSource("src\\1.jpg"));

attach.setDataHandler(dh);

attach.setFileName(dh.getName());

//描述正文和图片的关系

MimeMultipart mp1 = **new** MimeMultipart();

mp1.addBodyPart(text);

mp1.addBodyPart(image);

//创建正文和数据的关系

MimeMultipart mp2 = **new** MimeMultipart();

mp2.addBodyPart(attach);

//代表正文的bodypart

MimeBodyPart content = **new** MimeBodyPart();

content.setContent(mp1);

mp2.addBodyPart(content);

message.setContent(mp2);

message.setSubject(mail\_subject); // 设置邮件主题

message.setSentDate(**new** Date()); // 设置邮件发送日期

Address address = **new** InternetAddress(mail\_from);

message.setFrom(address); // 设置邮件发送者的地址

Address toAddress = **new** InternetAddress(mail\_to); // 设置邮件接收方的地址

message.addRecipient(Message.RecipientType.***TO***, toAddress);

Transport.*send*(message); // 发送邮件

}

**public** **static** **void** main(String[] args) {

EmailSendTool5 sendEmail = **new** EmailSendTool5("smtp.qq.com",

"158759307@qq.com", "1937138205@qq.com", "test", "邮件内容");

System.***out***.println("main");

**try** {

sendEmail.send();

} **catch** (Exception e) {

e.printStackTrace();

}

}

}