

SMTP Component

Simple Mail Transport Protocol (RFC 821, RFC 822, RFC 1521, RFC 2047)

Java™ edition



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1 Overview

1.1. Introduction

The SMTP component provides a simple interface sending electronic mail messages. The SMTP RFC 821, RFC 822, RFC 1521 and RFC 2047.

1.2. Target audience

This document is intended to serve as a technical guide to using the SMTP component. Readers should understand the Java™ programming language and be proficient in writing Java™ applications. A basic understanding of SMTP and networking protocols is also helpful.

1.3. General features

- |** Ability to send one or more
- |** Ability to send HTML email
- |** Support for SMTP server authentication
- |** Ability to add custom headers
- |** Ability to send bulk email

2. Creating an email message

2.1. Addressing the message

To address an email message construct a new `EmailMessage` instance providing the To: address and From: address to the constructor. Alternatively you may invoke the `addRecipient` method and set the value of the `from` attribute on the `EmailMessage` instance. The `EmailMessage` class also has methods for adding carbon-copy and blind-carbon-copy recipients.

Example

```
//Creates a new email
EmailMessage m=new EmailMessage();
//Sets the sender's email address
m.from="wisefsoft@hotpop.com";
//Sets the receiver's email address
m.addRecipient("joe@abc.com");
//Adds another receiver's email address
m.addRecipient("woods@abc.com");
//Adda a copy (optional)
m.addCC("jim@abc.com");
//Adds a blind copy recipient(optional)
m.addBCC("daisy@abc.com");
```

2.2. Sets whether to debug or not(optional)

Example

```
m.debug=true;
```

2.3. Setting the message subject

To set the subject of an email message only needs set the value of `subject` on the `EmailMessage` instance.

Example

```
m.subject="test";
```

2.4. Adds the mail content

An email message is always made of parts. JNetKits supports HTML, plain text and file parts.

Example 1

```
//Creates a new html email
MsgPart htmlpart=new MsgPart();
htmlpart.ContentType="Text";
htmlpart.ContentSubType="Html";
htmlpart.setData("<html><body>Hello<br> test!</body></html>",MimeEncoder.QUOTED);
```

Example2

```
MsgPart part=new MsgPart();
part.setData("This is the text",MimeEncoder.QUOTED);
```

Example3

```
MsgPart part=new MsgPart();
part.ContentType="Application";
part.ContentSubType="Octet-stream";
part.setBinaryData(binaryData,MimeEncoder.BASE64);
```

2.5. Adds the part to mail

```
m.addPart(part);
```

2.6. Adds the file attachments

You can add one or more attachments to an email message by invoking the addFile method

Example

```
m.addFile(new java.io.File("e:\\temp\\testfile.txt"));
```

3. Connecting to an SMTP server

3.1. Establishing a connection

To an SMTP server, only needs set the value of the smtpServer to the SMTP server name or IP address

Example

```
m.smtpServer="smtp.hotpop.com";
```

3.2. Providing username / password authentication

Some SMTP servers require that you provide username / password authentication to allow you to send email. This is typically used to prevent unauthorized users from using the SMTP server as a relay for sending spam. Default don't need SMTP authentication.

To configure the type of authentication only needs set the value of the autMethod. There are two types of authentication supported by the SMTP component, AUTH_PLAIN, AUTH_LOGIN.

Example

```
m.authUser="wisesoft";  
m.authPwd="12345678";  
m.authMethod=m.AUTH_LOGIN;
```

3.3. Sends the mail

```
m.sendMail();
```

4. Troubleshooting

4.1. Unable to send email due to SMTP Relay Denied Error

Most SMTP servers have been configured to prevent the relay of unauthorized commercial email, also known as spam. When attempting to send an email an exception may be thrown that states something similar to the following:

Example:

550 Relay Denied from Host 206.0.0.2

This exact exception message returned will vary based on the SMTP server used. The most common reason for this error is that you are connecting from a host that is not authorized to send mail through this SMTP server. Yet another potential reason is that your SMTP is configured such that a username / password login is required to send mail. See Providing username / password authentication.

To bypass this error contact your system administrator or organization responsible for managing your SMTP server.