# Send Java Email using Spring With Gmail SMTP Server Settings – JavaMailSenderImpl Mail

Let us see how to send java E-mail using Spring Framework,  sending E-mail using java is little hassle, we will always get class path or SMTP issues. But Spring providing this powerful class called, org.springframework.mail.javamail.JavaMailSenderImpl having 5 main properties, of which host, port, username, password,javaMailProperties.

## Files Required

* ClientLogic.java
* MailLogic.java
* spconfig.xml

## Jars Required

* activation.jar
* classes12.jar
* commons-email-1.0.jar
* mail.jar

**Pom.xml**

<project xmlns=*"http://maven.apache.org/POM/4.0.0"* xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

xsi:schemaLocation=*"http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd"*>

<modelVersion>4.0.0</modelVersion>

<groupId>p1</groupId>

<artifactId>MyCoreJava</artifactId>

<version>0.0.1-SNAPSHOT</version>

<packaging>jar</packaging>

<name>MyCoreJava</name>

<url>http://maven.apache.org</url>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

</properties>

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context</artifactId>

<version>4.3.9.RELEASE</version>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context-support</artifactId>

<version>3.1.1.RELEASE</version>

</dependency>

<!-- https://mvnrepository.com/artifact/javax.activation/activation -->

<dependency>

<groupId>javax.activation</groupId>

<artifactId>activation</artifactId>

<version>1.1.1</version>

</dependency>

<!-- https://mvnrepository.com/artifact/commons-email/commons-email -->

<dependency>

<groupId>commons-email</groupId>

<artifactId>commons-email</artifactId>

<version>1.0</version>

</dependency>

<!-- https://mvnrepository.com/artifact/javax.mail/mail -->

<dependency>

<groupId>javax.mail</groupId>

<artifactId>mail</artifactId>

<version>1.4</version>

</dependency>

</dependencies>

</project>

**MailLogic.java**

**package** p2;

**import** org.springframework.mail.MailSender;

**import** org.springframework.mail.SimpleMailMessage;

**public** **class** MailLogic {

**private** MailSender mail;

**public** **void** setMail(MailSender mail)

{

**this**.mail = mail;

}

**public** **void** sendM(String from, String to, String subject, String msg)

{

SimpleMailMessage message = **new** SimpleMailMessage();

message.setFrom(from);

message.setTo(to);

message.setSubject(subject);

message.setText(msg);

mail.send(message);

System.***out***.println("Mail Sent Successfully...!");

}

}

**Spconfig.xml**

<!DOCTYPE beans PUBLIC "-//SPRING//DTD BEAN 2.0//EN"

"http://www.springframework.org/dtd/spring-beans-2.0.dtd">

<beans>

<bean id=*"id1"* class=*"org.springframework.mail.javamail.JavaMailSenderImpl"*>

<property name=*"host"* value=*"smtp.gmail.com"* />

<property name=*"port"* value=*"25"* />

<property name=*"username"* value=*"shahnawaz.perfect@gmail.com"* />

<property name=*"password"* value=*"pass"* />

<property name=*"javaMailProperties"*>

<props>

<prop key=*"mail.smtp.auth"*>true</prop>

<prop key=*"mail.smtp.socketFactory.class"*>javax.net.ssl.SSLSocketFactory</prop>

<prop key=*"mail.smtp.socketFactory.port"*>465</prop>

<prop key=*"mail.debug"*>true</prop>

<prop key=*"mail.smtp.starttls.enable"*>true</prop>

</props>

</property>

</bean>

<bean id=*"id2"* class=*"p2.MailLogic"*>

<property name=*"mail"* ref=*"id1"* />

</bean>

</beans>

**ClientLogic.java**

**package** p2;

**import** org.springframework.beans.factory.BeanFactory;

**import** org.springframework.beans.factory.xml.~~XmlBeanFactory~~;

**import** org.springframework.core.io.ClassPathResource;

**import** org.springframework.core.io.Resource;

**public** **class** ClientLogic {

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

Resource res = **new** ClassPathResource("spconfig.xml");

BeanFactory factory = **new** XmlBeanFactory(res);

Object o = factory.getBean("id2");

MailLogic ml = (MailLogic)o;

ml.sendM("shahnawaz.perfect@gmail.com","shahnawaz.perfect@gmail.com","MySubject","This is body");

}

}

* <https://www.google.com/settings/security/lesssecureapps>
* go to your account and turn on the security it will work

# Spring Send Email With Attachment

**Pom.xml**

<project xmlns=*"http://maven.apache.org/POM/4.0.0"* xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

xsi:schemaLocation=*"http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd"*>

<modelVersion>4.0.0</modelVersion>

<groupId>p1</groupId>

<artifactId>MyCoreJava</artifactId>

<version>0.0.1-SNAPSHOT</version>

<packaging>jar</packaging>

<name>MyCoreJava</name>

<url>http://maven.apache.org</url>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

</properties>

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context</artifactId>

<version>4.3.9.RELEASE</version>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context-support</artifactId>

<version>3.1.1.RELEASE</version>

</dependency>

<!-- https://mvnrepository.com/artifact/javax.activation/activation -->

<dependency>

<groupId>javax.activation</groupId>

<artifactId>activation</artifactId>

<version>1.1.1</version>

</dependency>

<!-- https://mvnrepository.com/artifact/commons-email/commons-email -->

<dependency>

<groupId>commons-email</groupId>

<artifactId>commons-email</artifactId>

<version>1.0</version>

</dependency>

<!-- https://mvnrepository.com/artifact/javax.mail/mail -->

<dependency>

<groupId>javax.mail</groupId>

<artifactId>mail</artifactId>

<version>1.4</version>

</dependency>

</dependencies>

</project>

**Maillogic.java**

**package** p2;

**import** javax.mail.MessagingException;

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

**import** org.springframework.core.io.FileSystemResource;

**import** org.springframework.mail.MailSender;

**import** org.springframework.mail.SimpleMailMessage;

**import** org.springframework.mail.javamail.JavaMailSender;

**import** org.springframework.mail.javamail.MimeMessageHelper;

**public** **class** MailLogic {

**private** JavaMailSender mail;

**public** **void** setMail(JavaMailSender mail)

{

**this**.mail = mail;

}

**public** **void** sendM(String from, String to, String subject, String msg)

{

**try** {

MimeMessage m = mail.createMimeMessage();

MimeMessageHelper message = **new** MimeMessageHelper(m,**true**);

message.setFrom(from);

message.setTo(to);

message.setSubject(subject);

message.setText(msg);

FileSystemResource file = **new** FileSystemResource("C:\\Users\\shahn\\Pictures\\A.jpg");

message.addAttachment(file.getFilename(), file);

mail.send(m);

} **catch** (MessagingException e) {

// **TODO** Auto-generated catch block

e.printStackTrace();

}

System.***out***.println("Mail Sent Successfully...!");

}

}

**Spconfig.xml**

<!DOCTYPE beans PUBLIC "-//SPRING//DTD BEAN 2.0//EN"

"http://www.springframework.org/dtd/spring-beans-2.0.dtd">

<beans>

<bean id=*"id1"* class=*"org.springframework.mail.javamail.JavaMailSenderImpl"*>

<property name=*"host"* value=*"smtp.gmail.com"* />

<property name=*"port"* value=*"25"* />

<property name=*"username"* value=*"shahnawaz.perfect@gmail.com"* />

<property name=*"password"* value=*"works@101"* />

<property name=*"javaMailProperties"*>

<props>

<prop key=*"mail.smtp.auth"*>true</prop>

<prop key=*"mail.smtp.socketFactory.class"*>javax.net.ssl.SSLSocketFactory</prop>

<prop key=*"mail.smtp.socketFactory.port"*>465</prop>

<prop key=*"mail.debug"*>true</prop>

<prop key=*"mail.smtp.starttls.enable"*>true</prop>

</props>

</property>

</bean>

<bean id=*"id2"* class=*"p2.MailLogic"*>

<property name=*"mail"* ref=*"id1"* />

</bean>

</beans>

**ClientLogic.java**

**package** p2;

**import** org.springframework.beans.factory.BeanFactory;

**import** org.springframework.beans.factory.xml.~~XmlBeanFactory~~;

**import** org.springframework.core.io.ClassPathResource;

**import** org.springframework.core.io.Resource;

**public** **class** ClientLogic {

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

Resource res = **new** ClassPathResource("spconfig.xml");

BeanFactory factory = **new** XmlBeanFactory(res);

Object o = factory.getBean("id2");

MailLogic ml = (MailLogic)o;

ml.sendM("shahnawaz.perfect@gmail.com","shahnawaz.perfect@gmail.com","MySubject","This is body");

}

}