**GMailSender** class (12/22/15)

This class is called by SendMailBG class

public class GMailSender **extends Authenticator** {

My gmail sending is using OAuth 2.0 and use SSLSocketFactory

but it issue transport.connect(..) each time it send, other example doesn't have this

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other example

http://www.mkyong.com/java/javamail-api-sending-email-via-gmail-smtp-example/

it said it needs

Outgoing Mail (SMTP) Server

requires TLS or SSL: smtp.gmail.com (use authentication)

Use Authentication: Yes

Port for TLS/STARTTLS: 587

Port for SSL: 465

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I use SSL :

SSLContext.TLS = "org.apache.harmony.xnet.provider.jsse.SSLContextImp"

Alg.Alias.SSLContext.TLSv1 = "TLS'

KeyManagerFactory.X509 = "org.apache.harmony.xnet.provider.jsse.KeyManagerFactoryImpt"

TrustManagerFactory.X509 = "org.apache.harmony.xnet.provider.jsse.TrustManagerFactoryImpl"

PasswordAuthentication class store username and password in it

**Session store:** use in constructor of GMailSender class

// other properties

mail.transport.protocol="smtp",

mail.host = smtp.gmail.com

// mail.smtp properties, mail.smtp.

auth = "true"

port = "465"

socketFactory.class = "javax.net.ssl.SSLSocketFacotry" //k using security connection

socketFactory.port = "465"

socketFactory.fallback = "false"

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**GMailSender class:**

**fields**:

private Str user, password // from **extends Authenticator class**

private String mailhost = "smtp.gmail.com", port="465"

private Session obj; // create it in constructor

private Context; // get it from constructor

// this probally use by socketFactory.class = "javax.net.ssl.**SSLSocketFacotry**"

static instance of **JSSEProvider** class

**constructor** ( user, password)

creates a default session object from

user, password, context, auth, port, Factory, ...

1. **sendmai**l(subject, body, sender, recipients)

create MimeMessage: setSender(InternetAddress), setSubject(..), setDataHander(handler)

**use session to get transport obj**

// other example don't need to call transport.connect(..)

**transport.connect**("smptp.gmail.com", 465, user, password)

transport.**sendMessage**( message, recipients)

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2. public class ByteArrayDataSource implements DataSource

// it encapsuates many objects into a single object

Fields: private

byte[] data; String type; // set by constructor

constructors:

ByteArrayDataSource(byte[] data, Str type) (byte[] data) (Str type)

methods:

Str get**ContentType**() { def => "application/octet-stream"}

Str get**Name**() { => "ByteArrayDataSource"; }

InputStream getI**nputStream**() throws IOException { => new ByteArrayInputStream(data);

OutputStream getOutputStream() throws IOException {

throw new IOException("Not Supported) }