

Process and Service Programming

5.4 Annex I - GMail configurations



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5.4 Annex I - GMail configurations

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5.4.1 Common Exceptions when using Gmail SMTP

While sending an email with any of the above methods, you might get the following exceptions, even your Gmail credentials are correct.

Google security

It's important to check your account security. Change the following settings only if you are absolutely sure of what you are doing.

Do not share any of the password because your account can be used without your permission.

5.4.1.1 Two-way authentication

1	java Error while trying to send mail: 534-5.7.9 Application-specific password required. Learn more at
2	534 5.7.9 https://support.google.com/mail/?p=InvalidSecondFactor r10-20020a05600c458a00b003d35acb0fd7sm14828087wmo.34
3	
4	jakarta.mail.AuthenticationFailedException: 534-5.7.9 Application-specific password required. Learn more at
5	534 5.7.9 https://support.google.com/mail/?p=InvalidSecondFactor r10-20020a05600c458a00b003d35acb0fd7sm14828087wm0.34
6	
7	at com.sun.mail.smtp.SMTPTransport\$Authenticator.authenticate(SMTPTransport.java:947)
8	at com.sun.mail.smtp.SMTPTransport.authenticate(SMTPTransport.java:858)
9	<pre>at com.sun.mail.smtp.SMTPTransport.protocolConnect(SMTPTransport.java:762)</pre>
10	<pre>at jakarta.mail.Service.connect(Service.java:364)</pre>
11	<pre>at jakarta.mail.Service.connect(Service.java:222)</pre>
12	at jakarta.mail.Service.connect(Service.java:171)
13	at jakarta.mail.Transport.send0(Transport.java:230)
14	at jakarta.mail.Transport.send(Transport.java:100)
15	•••

The exception (jakarta.mail.AuthenticationFailedException) talks about the Application-specific password required. This is because your Gmail account is configured for 2-step verification so your direct Gmail password won't work here due to security reasons. To rectify this, you need to follow the below steps.

1. Sign in with your Google account

2. Go to your Google account or just click on the link Google account security settings (https://myaccount.google.com/?pli=1)



- 3. Click on Security from the left menu.
- 4. Scroll a bit down to reach the "Signing in to Google" section most probably 3rd section from the top.

5. Here you can see 2	-Step Verificati	on is turned On.		ià 🕁 🔹
Google Cuenta	2			
 Inicio Información perso 	onal	Iniciar sesión en Google		
 Datos y privacida Seguridad 	d			**1
 Contactos y comp Pagos y suscripci 	oartir	Contraseña 	Última modificación: 26 no	> 2022 >
i Información gene	ral	Contraseñas de aplicaciones	Ninguna	>

- 6. Click on App Password just below it. Google will ask you to re-enter the password.
- 7. On the next screen, you need to select the App and Device.
- 8. From the "Select app" dropdown, just select Other (Custom name).
- 9. Give an appropriate name like "Web" and press Generate button.

← Contraseñas de aplicaciones

Las contraseñas de aplicación te permiten iniciar sesión en tu cuenta de Google desde aplicaciones instaladas en dispositivos que no admiten la verificación en dos pasos. No tendrás que recordarlas porque solo tienes que introducirlas una vez. Más información

Nombre	Fecha de crea	ación	Último uso		
Jakarta Mail	0:47		-		
Contraseña de a	contraseña de aplicación generada				
		Tu cont disposit	raseña de aplicación para el ivo		
		y11	d class gipo avet		
		Cómo u	tilizarla		
Email securesally@gmail.com Password	m	Accede cuenta d disposit Sustituy 16 carad Al igual contras complet que reco	a la sección de configuración de tu de Google en la aplicación o el ivo que estés intentando configurar. e tu contraseña por la contraseña de cteres que se muestra arriba. que la contraseña normal, esta eña de aplicación ofrece acceso to a tu cuenta de Google. No tendrás prdarla, así que no la escribas ni la		
		compar	las con naule.		

- 10. You will a generated password on the screen with a popup.
- 11. Save and use this password for all your Java mail code.

5.4.1.2 Less secure apps



6	
7	at com.sun.mail.smtp.SMTPTransport\$Authenticator.authenticate(SMTPTransport.java:947)
8	<pre>at com.sun.mail.smtp.SMTPTransport.authenticate(SMTPTransport.java:858)</pre>
9	<pre>at com.sun.mail.smtp.SMTPTransport.protocolConnect(SMTPTransport.java:762)</pre>
10	<pre>at jakarta.mail.Service.connect(Service.java:364)</pre>
11	<pre>at jakarta.mail.Service.connect(Service.java:222)</pre>
12	<pre>at jakarta.mail.Service.connect(Service.java:171)</pre>
13	<pre>at jakarta.mail.Transport.send0(Transport.java:230)</pre>
14	at jakarta.mail.Transport.send(Transport.java:100)
15	

- 1. Sign in with your Google account
- 2. Go to your Google account or just click on the link Google less secure apps settings (https://www.google.com/settings/security/) to advance until step 5.

\leftarrow	C 🔒 myaccount	.google	.com/?pli=1
Go	ogle Cuenta	Q	Buscar e
٢	Inicio		
	Información personal		
۲	Datos y privacidad		
⋳	Seguridad		
00	Contactos y comparti	r	
	Pagos y suscripciones	5	
(j	Información general		

- 3. Click on Security from the left menu.
- 4. Scroll a bit down to reach the "Less secure applications".
- 5. You will find it disabled. Enter the section to turn it On.



6. Save and use your account password for all your Java mail code.