



Learn to Send Mail in MuleSoft

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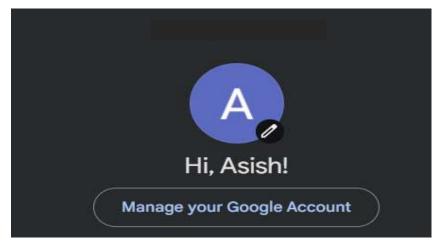




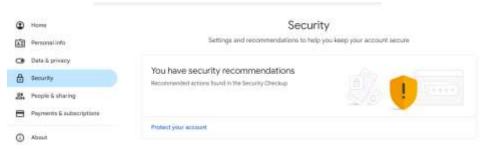
Learn to Send Mail in MuleSoft

Prerequisites:

- We need to have an active mail account. For this scenario, we are using Gmail. In Gmail, we need to set up the application password for further use in the connector to connect with Gmail.
- > To do so we need to follow the following steps:
 - 1. We need to log in to the respective Gmail ID with which we want to establish the connection.
 - 2. There we need to click on the Manage your Google account.



3. We will be redirected to the account page and there we need to go for the Security.



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4. On the security page we need to click on the 2-Step verification to create an app password.

۰ ۵	iome	How you sign in to Google					
E P	ersonal info	Make sum you can always access your Google Account by kee	ping this information up to date				
0	Data & privacy	2-Step Verification	On since May 20	>			
ð s	iecurity	± Password	Last changed Oct 26	>			

← 2-Step Verification

can be built in to your phone, use Bluetooth, or plug directly into your computer's USB port.

Devices that don't need a second step

You can skip the second step on devices you trust, such as your own computer.

Devices you trust Revoke trusted status from your devices that skip 2-Step Verification.
REVOKE ALL

App passwords

App Passwords aren't recommended and are unnecessary in most cases. To help keep your account secure, use "Sign in with Google" to connect apps to your Google Account.

App passwords

1 password

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5. In the App password section we need to create an app by providing the app name to get the password that will be used in the SEND connector.

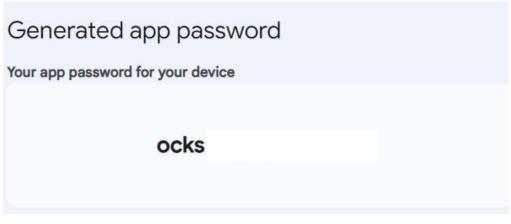
← App passwords

App passwords neip you sign into your Google Account on older apps and services that don't support modern security standards.

App passwords are less secure than using up-to-date apps and services that use modern security standards. Before you create an app password, you should check to see if your app needs this in order to sign in. Learn more

Mule Test	Created on Oct 26, last used on Oct 27	ជា
To create a new app specific p	password, type a name for it below	
App name		
Test Mail Connector		

6. Once we create the app we will receive a 16-digit password on the screen. We need to copy it and save it for further use.



> Now let's configure our Mule application to use the SEND connector to send Emails.

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<u>Step 1:</u>

• Open the Anypoint Studio create a Mule project and provide a name for the project.

s	udio-workspace - Anypoint Stu	dio					
le	Edit Source Refactor	Navigate Se	arch	Project	t Run	Window	Help
	New	Alt+Shi	ft+N >	8	Mule Pro	ject	
	Open File			Ŷ	Al Create	a Mule Pro	ject
)	Open Projects from File System	۱		\sim	Project fr	om Templat	te
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	Export diagram to	-		¥	MUnit Te	st	
	Install Local				Example.		
	Properties	Alt+E	inter		Other		
	Switch Workspace		>				
	Restart						
	Exit						

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Step 2:

• Now drag and drop a Flow and add an HTTP listener to it to create a source listener to get the mule event for the application.

₩*MailTest 🗙		
MailTestFlow		
œ	Process	
Listener		
Error handling		

<u>Step 3:</u>

- Now we need to configure the HTTP listener by providing the connector configuration and path.
- In connector configuration we need to provide the below details.
 - Protocol: HTTP or HTTPS
 - Host: All Interfaces[0.0.0.0](default)
 - Port:8081
- Rest we can leave as default.
- Then hit OK.

Image: Global Element Properties X HTTP Listener config Configuration element for a HttpListener.									
General Notes Help									
Name:	HTTP_Lister	ner_config							
Connection General TLS Advanced									
		anced							
	Connection Protocol: HTTP (Default)								
Hos	Host: All Interfaces [0.0.0.0] (default)								
Port	t:	8081							
Rea	nd timeout:	30000							
-Genera Base									
Ø		Test Connection OK Canc	el						

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• For path we can define any resource path following "/".(Example: /Mail)

Search There are no errors.										
Display Name: Listener										
r Basic Settings										
Connector configuration: HTTP_Listener_config	 + # 									
_ General										
Path: /Mail										

Step 4:

• Now drag and drop a Set payload component to create a payload we want to send as mail using the SEND connector.

¥*MailTest x		- 8
MailTestFlow Eistener	Set Payload	
Fror handlin		
Message Flow	Sobal Elements Configuration XML	
Set Payload ×	Cansole R Problems	
General	Contract and the second	
MIME Type	Display Name: Set Payload	
Metadata	r Settings	
Notes	Value: 🗚 📲 "Hi. This is a test mail for Mule Email-Send connector test"	
Help		

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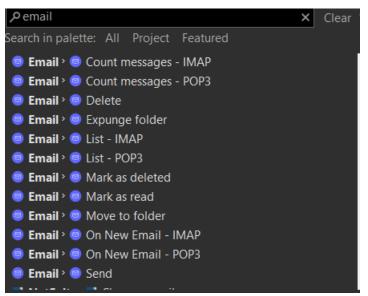
<u>Step 5:</u>

• First we need to add an Email module to our mule palette. To do so we can search in the exchange about the Email module to add it to our anypoint studio. Once added we can see in the mule palette.

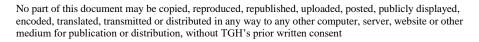
S Add Depende	encies to Proje	ect					×	
Add Dependencies to Project Search for dependencies in Exchange to add them to the project								
Search for depe	ndencies in E	xchange to add	the	em to the project				
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Available module	s				Selected modules			
Name	Publisher	Latest Version			Name	Version		
Email Connector	MuleSoft	1.7.2	U		Email Connector - M	1.7.2	⊽	
Accelerator Ema	MuleSoft	2.0.0	ч					
Email System AF		1.1.1		Add >				
Gmail Connector		1.1.1		. Permeure				
Aria Connector -		1.0.0		< Remove				
Salesforce Marke		3.2.12						
Microsoft Outloc	MuleSoft	1.2.2						
Open Exchange Pr	eference Pag	e						
0					Einish		Cancel	
					<u> </u>			

• Once we got the Email module we can see all the connectors to perform the required

operation.



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• We are using the SEND connector for the configuration for this particular scenario. We need to drag it to the mule flow.

 MailTestFlo 	w	
	- 💼 -	
Listener	Set Payload	Send
dt:		
Error handli	ng	

- In the SEND connector configuration section we need to hit the plus button.
- As we are using Gmail we can use the SMTP connection option as Gmail is hosted over the SMTP server.
- We need to provide the values to the host, port, username, and password as follows:
 - Host: smtp.gmail.com (Host of the Gmail id)
 - Port: 587 (Dedicated port for SMTP)
 - Username: The respective username of the mail ID (The Gmail ID)
 - Password: The 16-digit password without the spaces

		lotes Help	985
Name: Em			
onnection	SMTP Co	onnection	\sim
Port: User:	fx fx	587 asish.tgh@gmail.com	
Passwo	d: ocks	Show password	

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- In the advanced tab we need to provide the key-value pairs to have a secure transaction by the SEND connector.
 - Key: mail.smtp.starttls.enable
 - o Value: true

Property		
Property Key: f x Value:	mail.smtp.starttls.enable	
true		

- Key: mail.smtp.ssl.trust
- Value: smtp.gmail.com

Property	
Property Key: f x mail.smtp.ssl.trust Value:	
smtp.gmail.com	

• Hit on ok and the connector configuration is done.



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Step 6:

- Then we need to provide the details below to complete the setup for the SEND connector.
 - From Address: The mail id from where we want to send the message. (Same as username in connection)
 - To Address: The mail id where we want to send the mail. (Edit inline and provide the email ID)
 - Subject: The subject of the mail.
 - \circ Body:
 - Content: The body of the mail. (e.g payload)
 - \circ Content-Type: The type of the body. (e.g text\plain)
 - Encoding: UTF-8
 - o Content Transfer-Encoding: Base64

Settings	
From address: 🗾 asish.tgh@gr	mail.com
To addresses Edit inline	
+ = × %	
Value	
asishpalatasingh2@gmail.com	
Cc addresses None	
Bcc addresses None	v v
Reply to addresses None	v
Subject 🖍 Test mail for	mule Email-Send connector test
Body	
Content: fa	1 payload 🔸 🕅
	х
ContentType: 🖈	text/plain
	UTF-8
	Base64
Attachments	
Attachments: fx	*
	4 · · · · · · · · · · · · · · · · · · ·
Content Transfer Encoding: 14	Base64

• In the attachment section we can provide the value if we want to send any attachment to the mail.

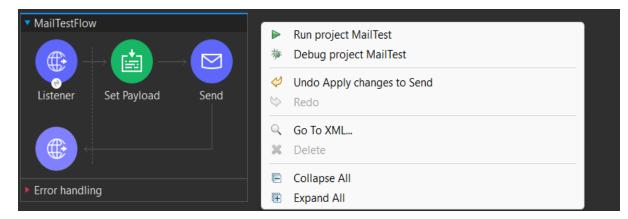


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<u>Step 7:</u>

• Now hit on Save and Run the project.



• In the console we can see the "Status" as "Deployed" to ensure our app is deployed and ready to be tested.

Started app 'MailTest'	
Application plugins:	
+ Database : 1.14.0	
- Email : 1.7.1	
 ObjectStage : 1.1.6 	
salesforce : 10.16.7	•
- Sockets : 1.1.1	
* - HTTP : 1.7.3	
INFO 2023-11-24 21:05:58,166 (WrapperListene	c start runner] org.mule.runtime.core.internal.logging.LogUtil:

+ Mule is up and kicking (every 5000ms)	

	r_start_runner) org.eclipse.jetty.server.AbstractConnector: Started <u>ServerConnector</u> \$1261754e(HTTP/1.1, (http: [start_runner] org.male.runtime.core.internal.iogging.logOtil:
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• default	* DEPLOYED *

+ APPLICATION +	* + DOMAIN + * + STATUS + *
***************************************	***************************************
- MailTwat	default TEPLOYED 1

• Once the Application is up and running we can Test it by triggering the Mule app from Postman.

Step 8:

• To trigger the Mule app we need to create a Request and we can hit the URL(http://localhost:8081/Mail) from Postman.

(1) (1)	MaliTest 💾 Sar	4 1.82	श ्चन
GET	http://ocalhost.BOB1/Mail		Send -
Palama	Authorization Headers (7) Body Pre-request Script Tests Settings		Contena
e none	S form-data S x-www-form-utlencoded S raw S binary S GraphQt		

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• Now we can see in the console that the mule app got executed and we can check the mail for the message.

Test mail for mule Email-Send connector test Inbox ×



asish.tgh@gmail.com

to me 👻

Hi...This is a test mail for Mule Email-Send connector test

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