

INCEPTION – Email Sender Configuration TECH GUIDE V7.0

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OVERVIEW

INCEPTION

OVERVIEW

The Email Sender is a tool for sending emails via preconfigured email servers. It supports SMTP, Microsoft Graph API, and Google Gmail API, with OAuth2 authentication for secure integration.

It simplifies email delivery with flexible configuration options and reliable performance.

This technical guide will walk you through configuring your Inception to send emails using various email services. Ensure you have the necessary credentials and permissions before proceeding

** Microsoft Graph Api and Google Gmail Api options are not available in Inception Express edition

PREREQUISITES

Before starting, ensure you have the following

- 1. For SMTP Server
 - a. SMTP Server Address
 - b. Port Number
 - c. Encryption Type
 - d. Email Address and Authentication Details
- 2. For Microsoft Azure Graph Api Server (not suitable for personal accounts)
 - a. Azure Active Directory (AD) App Registration
 - b. Client ID and Client Secret
 - c. Tenant ID
 - d. Admin-approved permissions for
 - i. `Mail.Send`
 - ii. `SMTP.Send`
- 3. For Google Gmail Api Server (not suitable for personal accounts)
 - a. Google Cloud Platform (GCP) Project
 - b. Google workspace
 - c. Google cloud service account with a key file
 - d. Admin-approved Gmail Api permissions of
 - i. `gmail.send`
 - ii. `gmail.compose`
 - iii. `gmail.label`

TESTED AGAINST

Hardware / Software

The Inception Emai Sender was built and tested against the following versions of Services:

- SMTP Server mailtraip.io 2024
- <u>Microsoft Graph REST API V1.0</u>: <u>https://graph.microsoft.com/v1.0</u>
- <u>Google Gmail API V1</u>: <u>https://gmail.googleapis.com/\$discovery/rest?version=v1</u>





SETUP

Accessing the Email Configurations

Email Server can be configured and managed on the system configuration page after logged in Navigation: [Configuration > General > System > Email].

{YourInceptionUrl}/EditSystemSettings

Messages: 1 Checklist: 0 / 22	≣
A Dashboard	
Commissioning Checklist	
State / Control	
Configuration	~
🛓 Users	<
🖴 Hardware	
Areas	
← Inputs	
Outputs	
Access Control	
② Scheduling	
🚓 Automation	
② Scheduled Tasks	
🖋 Integrations	
🔅 General	
🛜 Network	
O Date and Time	
System	



SETUP

Basic Configuration

You may configure the global 'Rate Limit Time', 'From Address', 'From Display Name', and select

the `Email Server Type` from the dropdown option from one of the following

- 1. None the Email sending service is disabled
- 2. SMTP Server connect to a simple SMTP server
- 3. Microsoft Azure Graph Api Server connect to the Microsoft Azure Graph Api Server
- 4. Google Gmail Api Server connect to the Google Gmail Api Server

🎟 Email	~
Rate Limit Time	
2 minutes	0
From Address	
message@inceptionsystem.com	6
From Display Name	
Inception System	0
Email Server Type	
None	0



SETUP

Configure SMTP

Email Server Type	
SMTP Server 🗸	0
Host Address	
	0
Port Number	
0	0
Enable SSL/TLS	
	0
Needs Authentication	
	0
Username	
	0
Pageward	
rassworu	
	0

- 1. **Host Address**: enter the SMTP server address provided by your email service provider a. Example: `smtp.example.com`
- 2. **Port**: Specify the port number based on your encryption type or otherwise defined by the service provider
 - a. Unencrypted: 25 (not recommended)
 - b. **SSL/TLS**: 465
 - c. **STARTTLS**: 587
 - d. Other: specified by your service provider
- 3. Authentication: we support basic username and password authentication for SMTP



Configure Microsoft Azure Graph Api Server

- 1. Register an App in Azure AD
 - a. Sign in to Azure Portal
 - b. Navigate to `App Registration` > `New Registration`
 - i. Account type: single tenant
 - ii. Redirect URI: anything, does not matter
 - iii. Note down the 'Client ID' and 'Tenant ID'
- 2. Under 'Api Permissions', add the following
 - a. https://graph.microsoft.com/Mail.Send (type=application, requires admin consent)
 - b. https://graph.microsoft.com/SMTP.Send (type=delegated)
 - c. Grand admin consent if required
- 3. Supported Oauth2 Authentication flow:
 - a. client credential grant flow (Microsoft)
 - b. <u>https://learn.microsoft.com/en-us/entra/identity-platform/v2-oauth2-client-creds-grant-flow</u>
- 4. Under `Certificates & Secrets`
 - a. Create a new `Client Secret` and note it down
 - b. Remember to obtain a new client secret before it expires
- 5. If you wish the Sender's Email Address different from the Service Account's Email Address, configure in Microsoft's Exchange Admin Center https://aka.ms/admincenter
 - a. Make sure that the email box is enabled for the address
 - b. Read more at <u>https://learn.microsoft.com/en-us/microsoft-365/admin/add-users/give-mailbox-permissions-to-another-user?view=o365-worldwide</u>
- 6. Configure Inception
 - a. Enter the `Tenant ID`, `Client ID`, `Client Secret`, and the account email name



SETUP

Email Server Type	
Microsoft Azure Graph Api Server 🗸	0
Tepant ID	
	0
Service Account Email Name	•
	0
Client ID	
	0
Client Secret	•
	0
Authority Host	
https://login.microsoftonline.com/	0
Save to Sent Items	
	0



SETUP

Configure Google Gmail Api Server

- 1. Create a Project in Google Cloud Platform (GCP)
 - a. Sign in to Google Cloud Console https://console.cloud.google.com/
 - b. Create a new project
- 2. Enable Gmail Api
 - a. Navigate to APIs & Services > Library
 - b. Search for `Gmail API` and enable it
- 3. Supported Oauth2 Authentication flow:
 - a. service account flow (google)
 - b. https://developers.google.com/identity/protocols/oauth2/service-account
- 4. Setup credentials
 - a. Navigate to `Credentials`
 - b. Setup a service account ([Manage Service Account])
 - i. Add a key (Keys > Add Key > Create New Key)
 - 1. Download Json file for the key file
 - 2. Example of a Google key file



- ii. Details > advanced > domain wide delegation
 - 1. Add a new API client with scopes of the following
 - email,
 - profile,
 - https://mail.google.com/,
 - https://www.googleapis.com/auth/gmail.send,
 - https://www.googleapis.com/auth/gmail.labels,
 - https://www.googleapis.com/auth/gmail.compose
- 5. Configure Inception
 - a. Fill the form with the content of the JSON file
 - b. Note that the "private_key" field starts with "-----BEGIN PRIVATE KEY-----\n" and ends with "-----END PRIVATE KEY-----\n"



Tech Guide Inception – Email Configurations

INCEPTION

SETUP

Email Server Type	1
Google Api Server 🗸	0
Authorization Type	
service_account	0
Project ID	A
Private Key	
	0
Private Key Id	
	0
Client Email	
	0
Client ID	
	A
	•
Auth Uri	
https://accounts.google.com/o/oauth2/auth	0
Token Uri	
https://oauth2.googleapis.com/token	0
Auth Provider x509 Cert Url	
https://www.googleapis.com/oauth2/v1/certs	0
Client v509 Cert Hr	
	A
	Ŭ
Universe Domain	
googleapis.com	0





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