

# **GenAI Tool: Email Generator**

Connected System Plugin for **Appian**

**Appian Corporation**

Version [1.0.9](#)

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## Overview

The Email Generator Connected System allows developers to generate mail content with the help of OpenAI services. It allows users to choose the tone of the mail (Formal, Friendly, Casual and Extra casual) with email length.

Developers can leverage their email generation capabilities through Appian with this connected system by entering the credentials retrieved from either OpenAI or Azure OpenAI Studio. This documentation outlines the process of obtaining and leveraging these credentials within the Appian platform.

### Privacy Policy

All information passed through AI tools will be processed and may remain with the organizations that develop those tools. Please exercise caution with what information is disclosed to the AI tool for this reason.


## Features

- Generate Email

# Connected System Configuration

## 1. OpenAI Embedding

### Connected System Properties

**GenAI Tool: Email Generator**  
Generate emails with ChatGPT  
Version: 1

**Name \***

**Description**

**GenAI Tool: Email Generator Configuration**

**Authentication**  
  
Use the OpenAI services for Chat Completion  
**OpenAI API Key**  
\*\*\*\*\* (Clear)  
Enter your OpenAI APIKey. Visit <https://beta.openai.com/account/api-keys> to get an API key for your account.  
**Completion Model \***  
  
Provide the name of the model to use for text completion. Example: gpt-3.5-turbo for GPT 3.5 Turbo model, gpt-4 for GPT 4 model. gpt-4 is the most consistent model in determining the size of output while gpt-3.5-turbo is faster than gpt-4. Visit <https://platform.openai.com/docs/models/model-endpoint-compatibility> and use one of the models listed under /v1/chat/completions endpoint.  

TEST CONNECTION

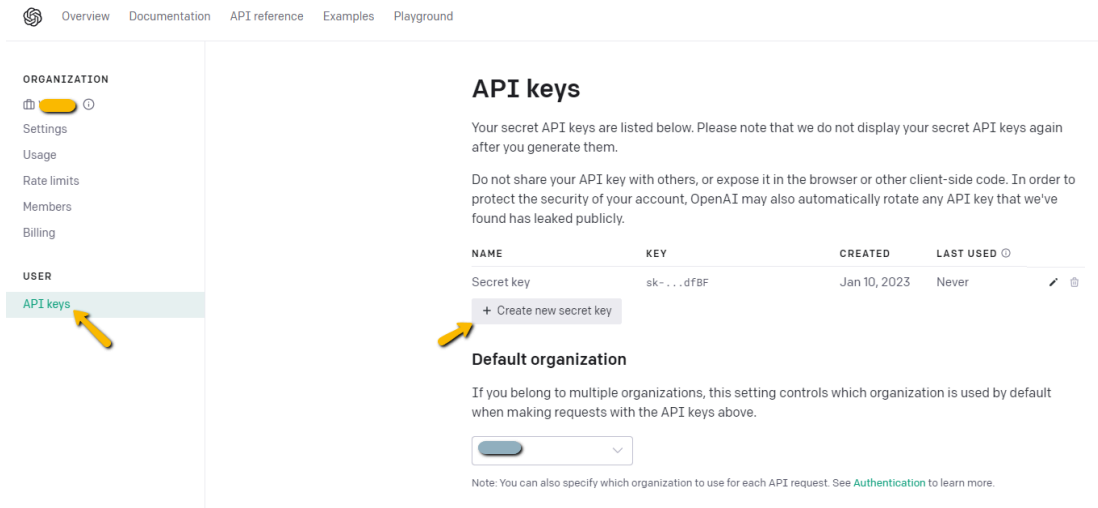
CANCEL

USE IN NEW INTEGRATION

SAVE

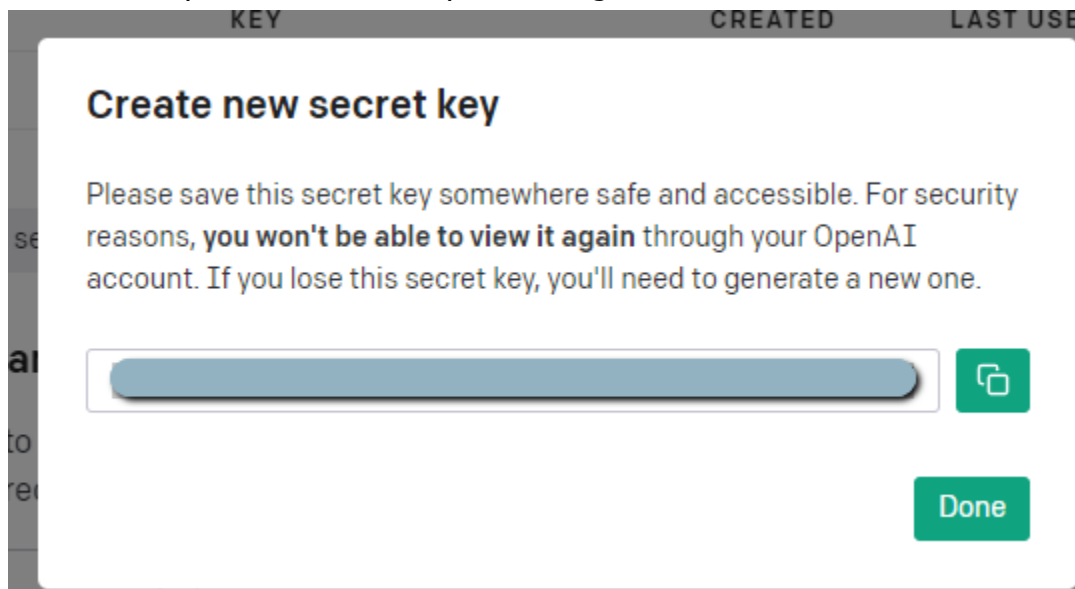
The GenAI Tool: Email Generator Connected system with OpenAI authentication requires the following credentials: OpenAI API Key and Completion model.

- Go to the [OpenAI console](#). Make sure that the **API keys** menu is selected.



Click on **Create new secret key** to generate a new API key.


- Copy the value and save it separately as we won't be able to access it again. Paste the API key in the connected system dialog box.



- Provide the completion model you want to use in the Completion Model field. Visit <https://platform.openai.com/docs/models/model-endpoint-compatibility> and use one of the models listed under /v1/chat/completions endpoint. Example: gpt-3.5-turbo for GPT 3.5 Turbo model, gpt-4 for GPT 4 model.

## 2. Azure OpenAI Embedding

### Connected System Properties



**GenAI Tool: Email Generator**  
Generate emails with ChatGPT  
Version: 1

**Name \***

**Description**

**GenAI Tool: Email Generator Configuration**

**Authentication**  
  
Use the Azure Open AI services for Chat Completion

**Azure Region \***  
  
Provide the Azure region.

**Deployment ID \***  
  
Provide the Deployment ID.

**Azure API Key \***  
  
Provide the API Key obtained from Azure OpenAI

Connection successful

TEST CONNECTION

CANCEL

USE IN NEW INTEGRATION

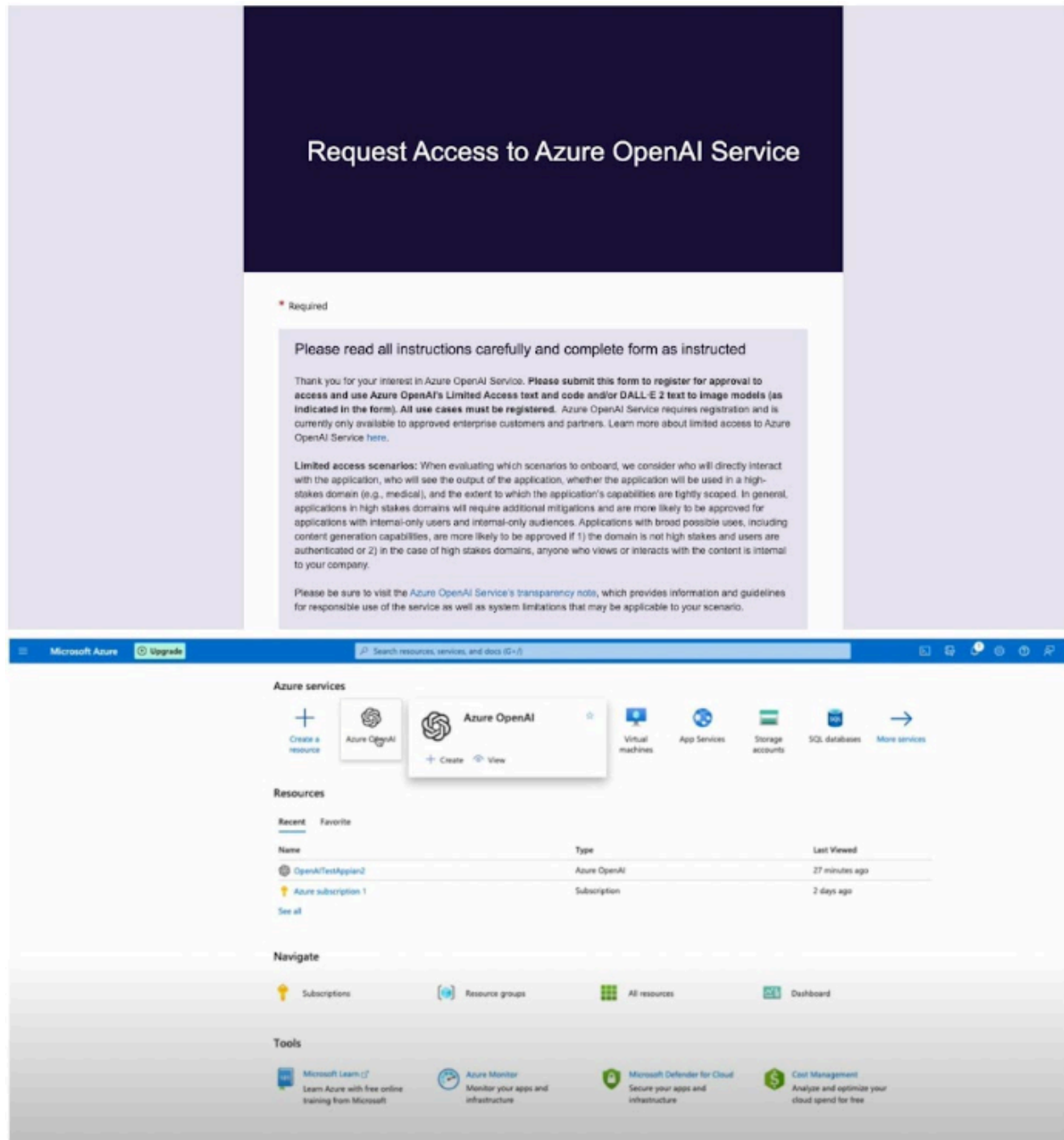
SAVE

This authentication requires the following credentials: Azure Region, Azure Deployment ID and Azure API Key. Follow these steps to get the Azure credentials.

1. Navigate to [Azure's OpenAI API docs](#) and ensure you have met the listed prerequisites. View the prerequisites by selecting "Quickstarts." If you have not already done so, [create an Azure subscription](#).
2. Apply for access to Azure OpenAI services by completing the form [here](#). You will need your subscription ID from the previous step.

The screenshot shows the Microsoft Learn documentation page for Azure OpenAI. The header includes the Microsoft logo, navigation links (Learn, Documentation, Training, etc.), a search bar, and a sign-in button. Below the header is a blue banner with the title "Azure OpenAI Service Documentation" and a brief description. The main content area features a grid of eight tiles: Overview, Quickstart, How-to Guide (Create a resource), Tutorial (Embeddings), How-to Guide (Completions), Training (Intro to Azure OpenAI training), Concept (Azure OpenAI Models), and Reference (Support and help options). Below this grid is a section titled "Additional resources" with four columns: Azure OpenAI (links to Studio, support, quotas, and access), Video (link to combining models), Reference (links to REST API and terms of use), and Tools (links to CLI and PowerShell).

3. Create a service and set domain name.



4. Within your service, create and access API keys through "Keys and Endpoints" under Resource Management.
5. Deploy OpenAI models through the Azure OpenAI Studio. Information generated from these deployments will be needed to use the connected system. This information can be accessed through the "Deployments" tab in Azure OpenAI Studio.



Microsoft Azure Upgrade Search resources, services, and docs (G+I)

Home > Cognitive Services

### Cognitive Services | Azure OpenAI

Search Filter for any field... Subscription equals all Type equals all Resource group equals all Location equals all Add filter

Showing 1 to 1 of 1 records.

| Name              | Kind   | Location | Custom Domain Name | Pricing tier | Status    |
|-------------------|--------|----------|--------------------|--------------|-----------|
| OpenAITestAppian2 | OpenAI | East US  | openaitestappian2  | S0           | Succeeded |

**Left sidebar:**

- Overview
- All Cognitive Services
- Azure OpenAI
  - OpenAITestAppian2
- Speech
  - Speech service
- Language
  - Language service
  - Translator
  - Language understanding (classic)
  - QnA maker (classic)
- Vision
  - Computer vision
  - Custom vision
  - Face API
- Decision
  - Anomaly detector
  - Content moderator
  - Personalizer
  - Health Insights

Microsoft Azure Upgrade Search resources, services, and docs (G+I)

Home > Cognitive Services | Azure OpenAI > OpenAITestAppian2

### OpenAITestAppian2 | Keys and Endpoint

Search Regenerate Key1 Regenerate Key2

These keys are used to access your Cognitive Service API. Do not share your keys. Store them securely-- for example, using Azure Key Vault. We also recommend regenerating these keys regularly. Only one key is necessary to make an API call. When regenerating the first key, you can use the second key for continued access to the service.

Show Keys

|                 |   |
|-----------------|---|
| KEY 1           | .....                                       |
| KEY 2           | .....                                       |
| Location/Region | eastus                                      |
| Endpoint        | https://openaitestappian2.openai.azure.com/ |

**Left sidebar:**

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Resource Management
  - Keys and Endpoint
  - Model deployments
  - Pricing tier
  - Networking
  - Identity
  - Cost analysis
  - Properties
  - Locks
- Monitoring
  - Alerts
  - Metrics
  - Diagnostic settings
  - Logs
- Automation

Cognitive Services | Azure OpenAI Studio

Azure OpenAI Studio > Models

### Models

Azure OpenAI is powered by models with different capabilities and price points. Deploy one of the provided base models to try it out in [Playground](#) or train a custom model to your specific use case and data for better performance. [Learn more about the different types of provided models](#)

**Provided models**

Deploy model Create customized model Column options Refresh

| Model name                | Model version | Created at        | Status    | Deployable |
|---------------------------|---------------|-------------------|-----------|------------|
| code-davinci-002          | 1             | 7/10/2022 8:00 PM | Succeeded | Yes        |
| gpt-35-turbo              | 0301          | 3/8/2023 7:00 PM  | Succeeded | Yes        |
| gpt-4                     | 0314          | 3/20/2023 8:00 PM | Succeeded | Yes        |
| gpt-4-32k                 | 0314          | 3/20/2023 8:00 PM | Succeeded | No         |
| text-ada-001              | 1             | 2/28/2022 7:00 PM | Succeeded | Yes        |
| text-curie-001            | 1             | 2/28/2022 7:00 PM | Succeeded | Yes        |
| text-davinci-002          | 1             | 1/21/2022 7:00 PM | Succeeded | Yes        |
| text-davinci-003          | 1             | 9/29/2022 8:00 PM | Succeeded | Yes        |
| text-embedding-ada-002    | 2             | 4/2/2023 8:00 PM  | Succeeded | Yes        |
| text-embedding-ada-002    | 1             | 2/1/2023 7:00 PM  | Succeeded | Yes        |
| text-similarity-ada-001   | 1             | 5/19/2022 8:00 PM | Succeeded | Yes        |
| text-similarity-curie-001 | 1             | 5/19/2022 8:00 PM | Succeeded | Yes        |

## Integration

Generate mail content based on the inputs provided by the user.

ChatGPT Prompt used:

Write the above content as email in *<FORMAL / CASUAL / FRIENDLY / EXTRA\_CASUAL>* tone in *<5 / 10 / 15>* sentences

## Inputs:

**Email Content** (Text) - Required - Provide the Small description of the email to be generated.

**Preferred Tone** (Text) – Optional - Provide the tone for the generated mail. Valid values : FORMAL, CASUAL, FRIENDLY, EXTRA\_CASUAL. Default : FORMAL

**Email Length** (Text) – Optional - Provide the length of the Email with one of the options: Small(5 sentences), Medium(10 sentences) and Large(15 Sentences) . Valid values are : SMALL,MEDIUM, LARGE. Default: SMALL.

EGS\_INT\_emailGenerator

Connected System \*

EGS CS EmailGenerator ✕

Email Content

rulemailContent

Small description of the email to be generated.

Preferred Tone

ruletone

Provide the tone for the generated mail. Valid values : FORMAL, CASUAL, FRIENDLY, EXTRA\_CASUAL. Default : FORMAL

Email length

rulemailLength

Provide the length of the Email with one of the options: Small(5 sentences), Medium(10 sentences) and Large(15 Sentences) . Valid values are : SMALL,MEDIUM, LARGE. Default: SMALL

| Rule Input Name     | Expression                | Value                   |
|---------------------|---------------------------|-------------------------|
| emailContent (Text) | 1 "Sick leave to manager" | "Sick leave to manager" |
| tone (Text)         | 1 "FORMAL"                | "FORMAL"                |
| emailLength (Text)  | 1 "SMALL"                 | "SMALL"                 |

Set as default test values

Result

Request

Response

Success!

Time

6,843 ms

Prepare: < 1 ms - Execute: 6,843 ms (Send / Wait / Receive: 1 ms) - Transform: < 1 ms

Value: Result

Dictionary

success

true (Boolean)

generatedMail

"Dear [Manager's Name], I hope this email finds you well. I am writing to inform you tha

TEST REQUEST

## Output: Dictionary

```

{
  success: true,
  generatedMail: "Dear [Manager's Name]," & fn!char(10) & fn!char(10) & "I hope this email
finds you well. I am writing to inform you that I am feeling unwell and will not be able to come
into work for the next few days. I have seen a doctor who has advised me to take some rest
and recover at home." & fn!char(10) & fn!char(10) & "I understand that my absence may cause
inconvenience to the team, and I apologize for any disruption this may cause. I have informed
my colleagues about my situation and have delegated my tasks to ensure that there is minimal
impact on the ongoing projects." & "Kind regards," & fn!char(10) & "[Your Name]"
}

```