

Basic Trials

 / [Workbooks](#) / [SAP Generative AI Hub with AI Launchpad, Orchestration and Document G...](#)

SAP Business Technology Platform



Prompt Engineering

Prompt Engineering refers to the process of designing and constructing effective prompts to elicit specific responses from an AI system. It involves creating well-structured instructions or queries to guide AI models' output generation. Through prompt engineering, AI researchers and developers aim to improve the accuracy, relevance, and quality of the AI system's responses by shaping its behavior with carefully crafted prompts.

Some types of prompts include:

- Text Summarization
- Question Answering
- Text Classification and Sentiment Analysis
- Expansion
- Tone Adjustment
- Spell-Check/ Grammar-Check
- Multi-tasking

Let's try this out with some examples.

Model Selection

Make sure to select the desired model **before** running the following prompts. Different models will produce slightly different responses. Feel free to choose any of the models available.

Try it out!

1. Text Summarization

This example tasks the LLM with condensing and summarizing a given text. The text is expected to be distilled into a concise summary of no more than 30 words. The focus is on extracting the most salient points and presenting them in a succinct manner, ensuring that the essence of the original content



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Copy the following text into the prompt editor and click Run.

Your task is to generate a short summary of a text.
Summarize the text below, in at most 30 words.

Review: Independent Assurance Practitioner's Report
To the Supervisory Board of SAP SE, Walldorf
We have performed a limited assurance engagement on
Responsibilities of Management
Management of the company is responsible for the pr
(hereinafter the "EU Taxonomy Regulation") and the
of the combined non-financial statement.
This responsibility includes the selection and appl
Furthermore, management is responsible for such int
The EU Taxonomy Regulation and the Delegated Acts i
thereunder in section "Sustainable Finance: EU Taxo
They are responsible for the defensibility of this
Independence and Quality Assurance of the Assurance
We have complied with the independence and quality
Responsibility of the Assurance Practitioner
Our responsibility is to express a conclusion with
We conducted our assurance engagement in accordance
41/335

SAP Integrated Report 2022

To Our Stakeholders

Combined Group Consolidated Financial Further I
Additional Information

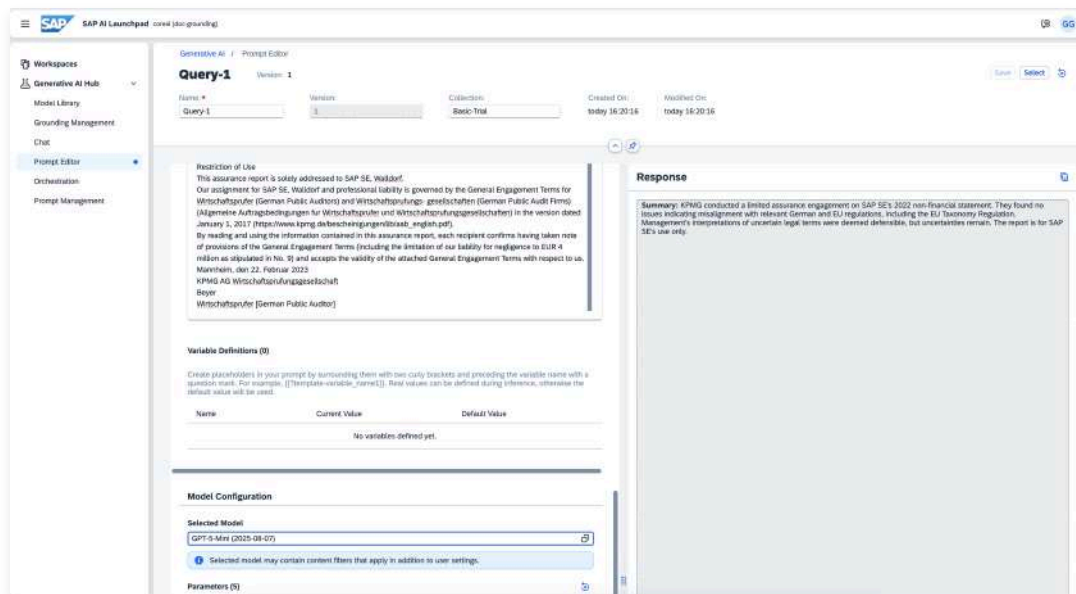
Historical Financial Information" issued by the I
in accordance with Sections 315c in conjunction w
In a limited assurance engagement, the procedures p
In the course of our assurance engagement we have,
– Interviewing employees responsible for the materi
– Carrying out a risk assessment, inclusive of medi
– Assessing the design and implementation of system
– Interviewing staff on group level, who are respon
– Inspecting selected internal and external documen
– Analytically assessing the data and trends of the
– Evaluating the local data collection, validation,
– Interviewing of responsible staff on group level

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Based on the assurance procedures performed and the 42/335

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 To Our Stakeholders
 Combined Group Consolidated Financial Further Infor
 Additional Information
 the period from January 1 to December 31, 2022 has
 Restriction of Use
 This assurance report is solely addressed to SAP SE
 Our assignment for SAP SE, Walldorf and professiona
 By reading and using the information contained in t
 Mannheim, den 22. Februar 2023
 KPMG AG Wirtschaftsprüfungsgesellschaft
 Beyer
 Wirtschaftsprüfer [German Public Auditor]
 Wiegand Wirtschaftsprüfer [German Public Auditor]



2. Question Answering

This example instructs the LLM to formulate a concise response to a specific question, with the context provided for reference. If the LLM is uncertain about the correct answer based on the provided context, it is instructed to

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Answer the question based on the context below. Ke
Respond "Unsure about answer" if not sure about the
Context: Dear Fellow Shareholders,

It's hard to summarize the year 2022 in a few words
2022 marked the 50th anniversary of SAP, which we c
Our hearts remain with the people impacted by the w
7/335

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Additional Information

The last year was a stark reminder that no one bu
Over two years ago, we embarked on our transformati
– With RISE with SAP, we enable organizations to be
– With the SAP Business Network, we connect million
benefit from connected networks.

- With our SAP sustainability solutions, we enable
- Looking at our financial numbers, we met all of our
- Cloud revenue continued to be our main growth dri
- Current cloud backlog increased by 24%1.
- Total revenue grew 5%1.
- IFRS Operating profit was flat, while non-IFRS op
- Free cash flow was €4.35 billion.

2022 was a volatile year on the market, with techno
Customer Net Promoter Score (NPS) decreased 7 point
In addition to driving our ESG goals internally, we
– In total, SAP donated more than €4.2 million to s
– SAP extended its partnership with UNICEF through
1 At constant currencies

2 Pending approval of Annual General Meeting of Sha
8/335

SAP Integrated Report 2022

To Our Stakeholders

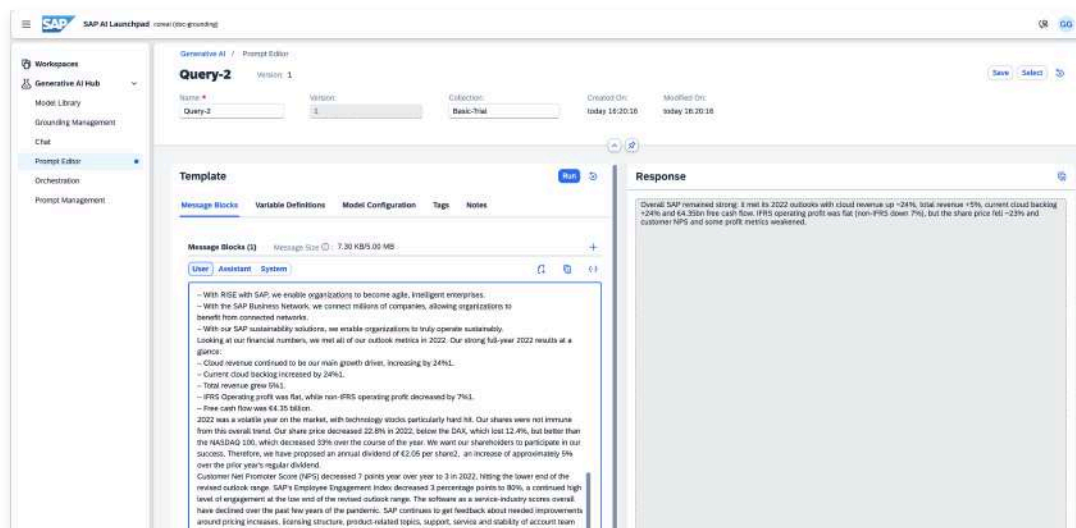
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- youth in need on soft skills, foundational knowle
- Together with partners, we launched the TRANSFORM

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To Our Stakeholders
Combined Group Consolidated Financial Further Infor
Additional Information
SAP Executive Board
Question: How is SAP performing?



3. Text Classification - Sentiment Analysis

This example directs an LLM to perform sentiment analysis on a provided product review. The LLM is instructed to assess the sentiment of the review text and respond with a single word, either “positive” or “negative”. The review text is clearly delineated using triple backticks, ensuring clarity about which portion of the text needs to be analyzed. This format aims to extract concise and direct sentiment evaluations without any ambiguity.

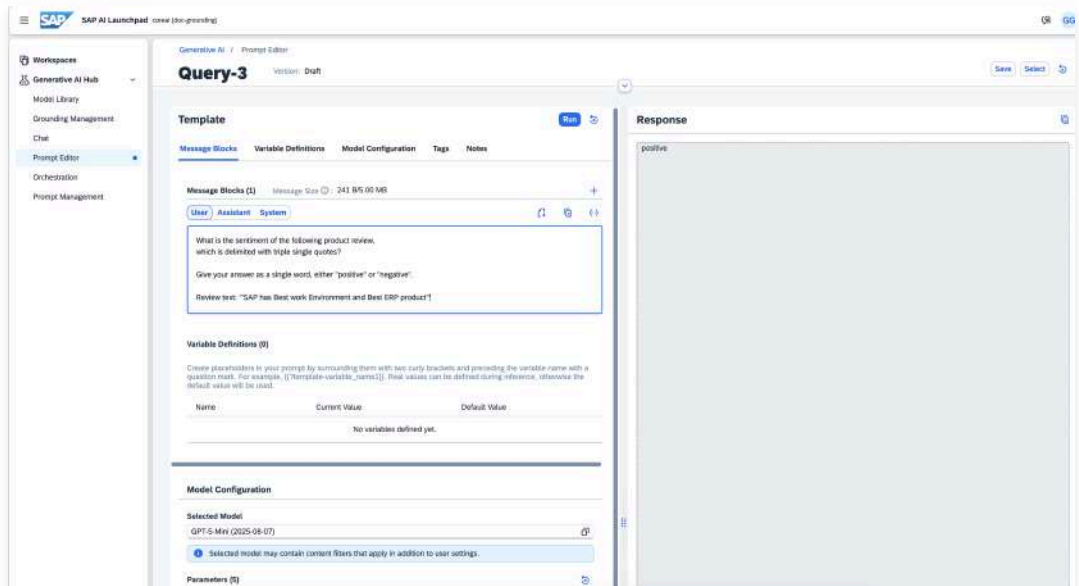
Copy the following text into the prompt editor and click **Run**.

What is the sentiment of the following product review which is delimited with triple single quotes?

Give your answer as a single word, either "positive

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4. Expansion

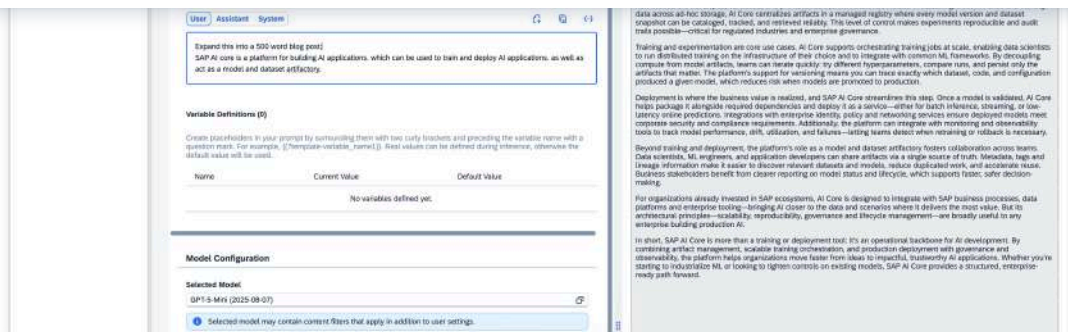
This example will show the text expansion qualities of AI core, where the LLM is asked to write a 500-word blog post or paragraph based on the context of just a few sentences.

Copy the following text into the prompt editor and click **Run**.

Expand this into a 500 word blog post:
SAP AI core is a platform for building AI applicati

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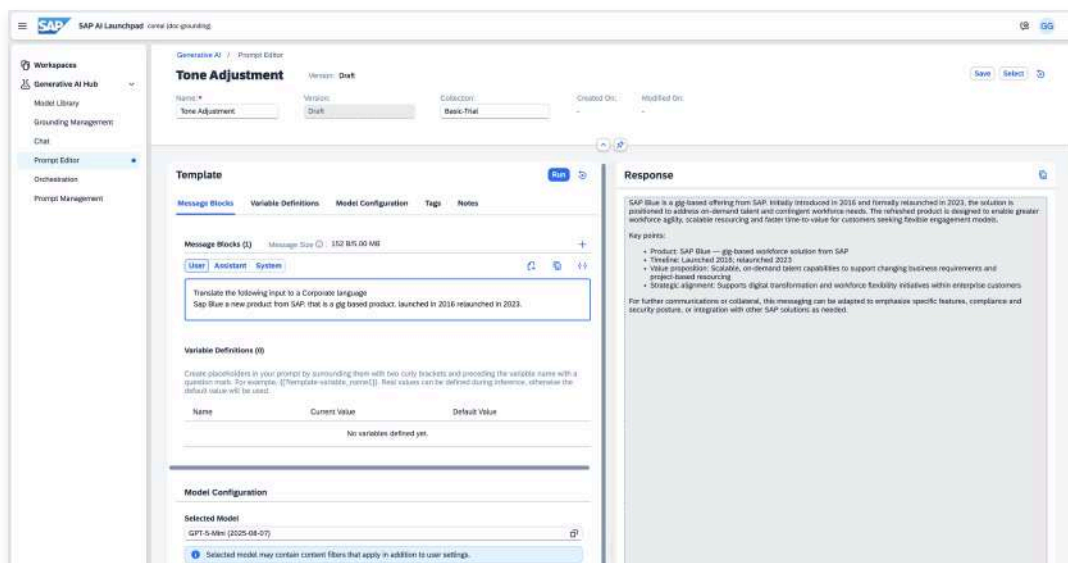


5. Tone Adjustment

With Tone Adjustment, it's possible to leverage the LLM's capabilities to change/modify the tone of an informal piece of text to one with a more professional tone.

Copy the following text into the prompt editor and click **Run**.

Translate the following input to a Corporate language
Sap Blue a new product from SAP. that is a gig base

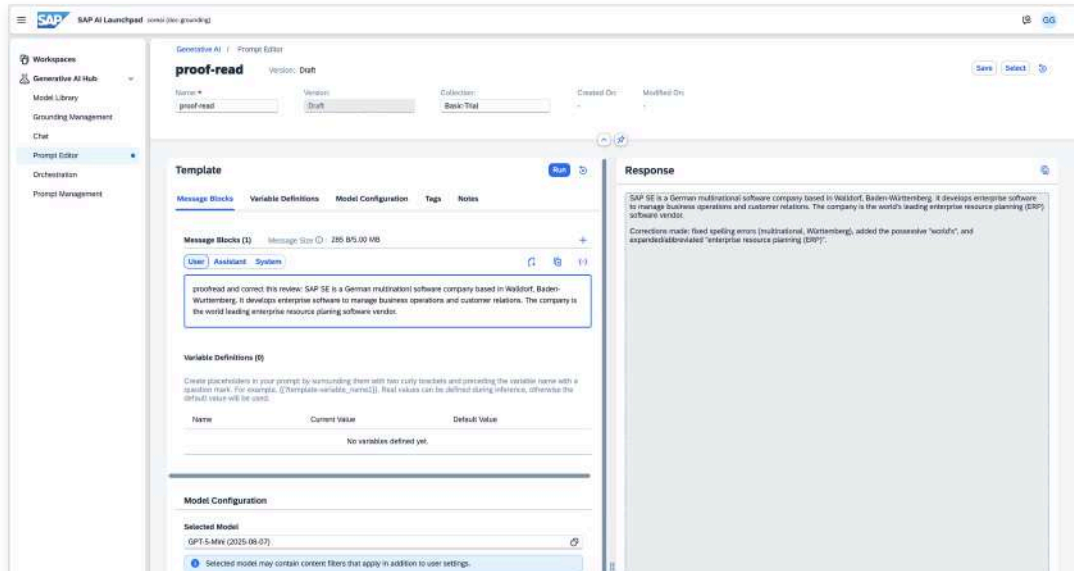


6. Spell-check / Grammar-check

Here we picked a paragraph on SAP and made a few spelling and grammatical errors. Now we will be asking the LLM to fix those errors by

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7. Multi-Tasking

We picked up a random review from trust pilot on SAP ERP and want the LLM to perform multiple tasks at once which include sentiment analysis, checking if the user is angry with the product, which product/item they are talking about and which brand does it belong to

Copy the following text into the prompt editor and click **Run**.

Identify the following items from the review text:

- Sentiment (positive or negative)
- Is the reviewer expressing anger? (true or false)
- Item purchased by reviewer
- Company that made the item

The review is delimited with triple backticks.

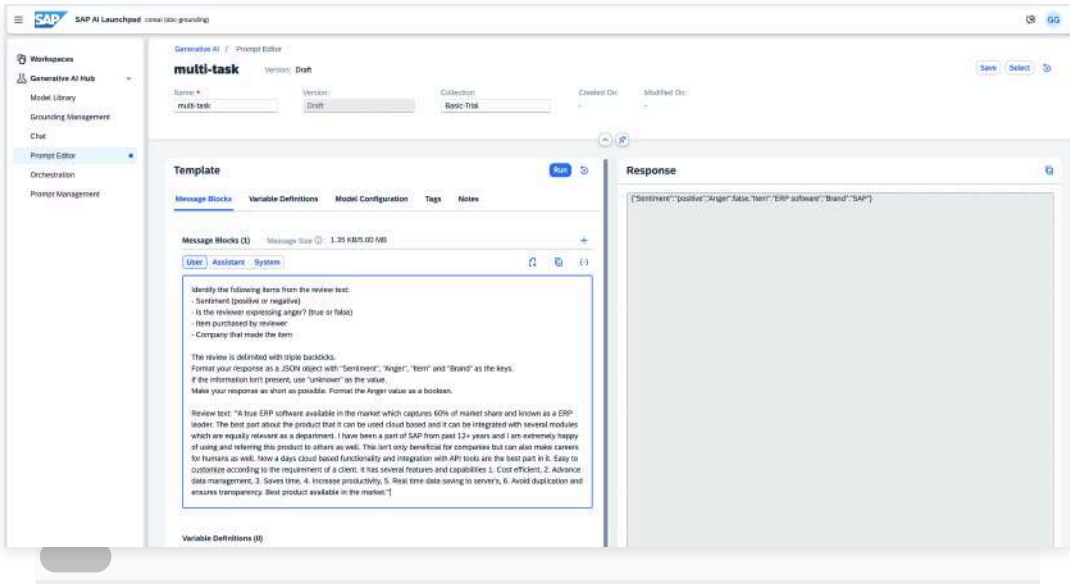
Format your response as a JSON object with "Sentime

If the information isn't present, use "unknown" as

Make your response as short as possible. Format the

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Next unit

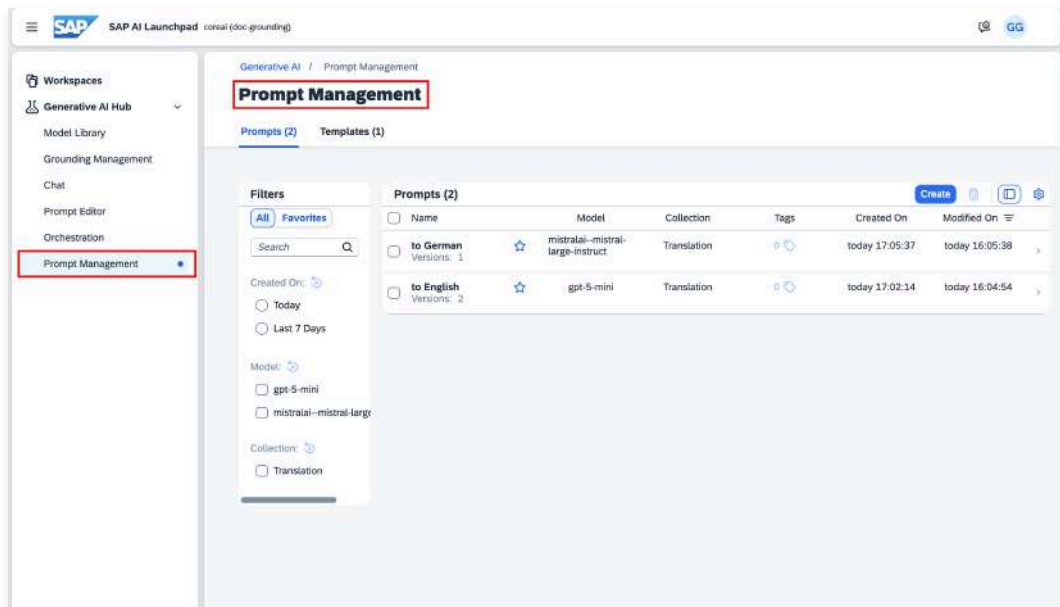
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Prompt Management

Prompt Management

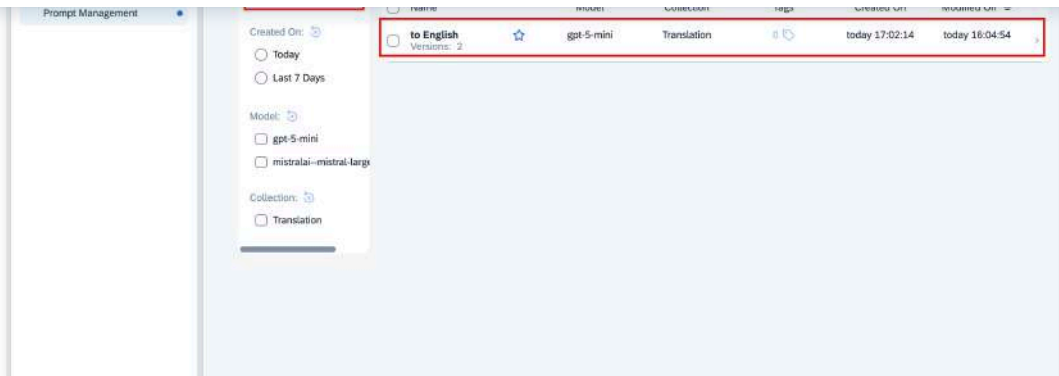
From the Generative AI Hub, all saved prompts can be managed in the Prompt Management page.



1. Select a prompt to open the detailed information for that prompt. Use the search option if the list of saved prompts is too long.

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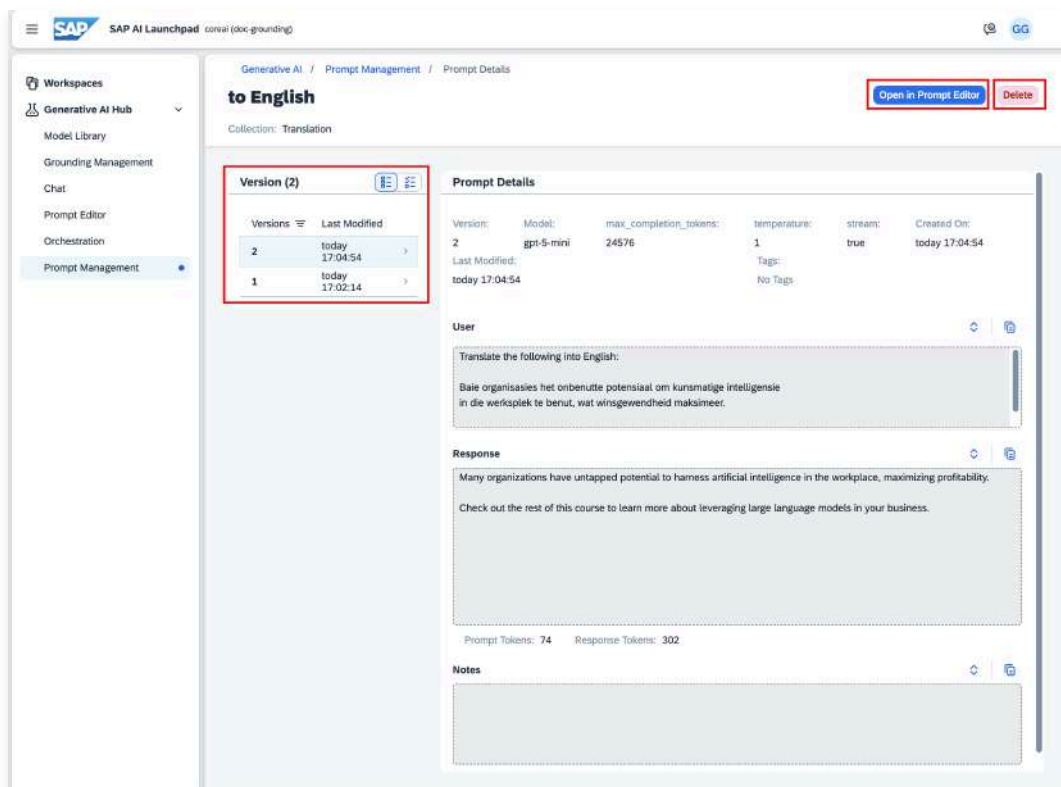


On the left hand pane, the different versions of the prompt can be seen.

Clicking on a version will display the details of that particular version of the prompt.

Clicking on **Open in Prompt Editor** will open the chosen version in the prompt editor.

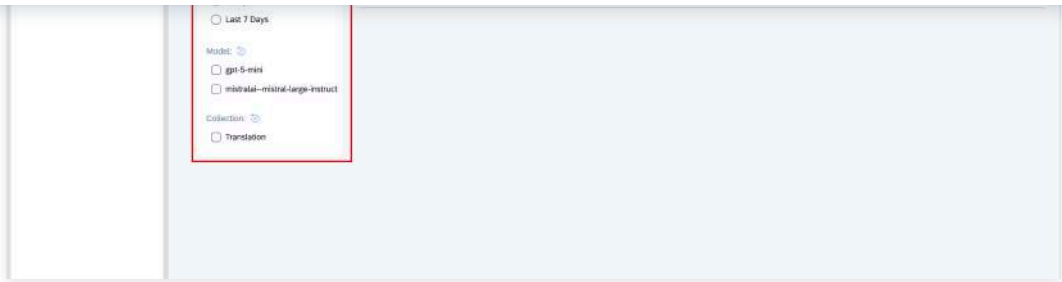
The prompt can be deleted by clicking the **Delete** button.



In the Prompt Management section, it's also possible to filter the prompts based on created date, collection name, model used etc.

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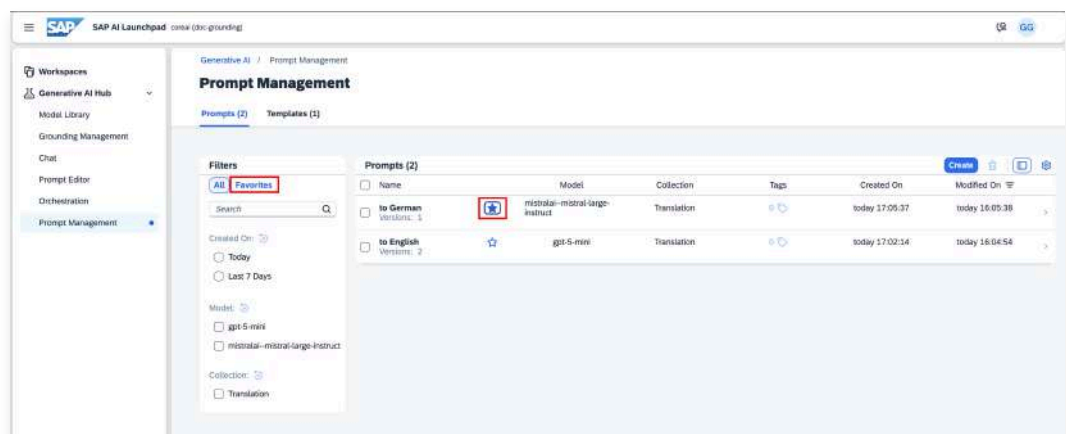
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The visibility of the filter pane can be adjusted by clicking on the toggle button.



You can bookmark prompts for quick access too. Click on the star icon within a prompt to add it to your list of favorites. Click on the **favorites** tab to see them.



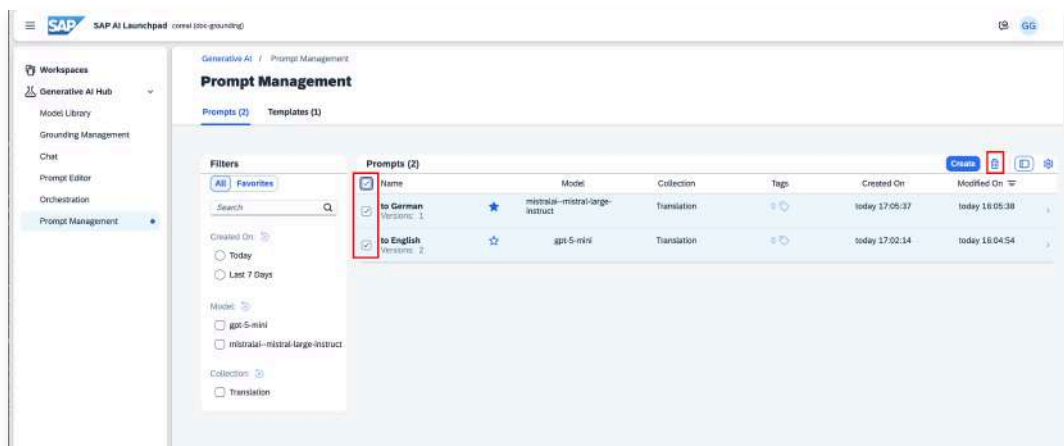
Prompt Templates can also be managed in here. Select the **Templates** tab to view and manage your prompt templates.

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Prompt templating is the practice of designing prompts with reusable structures where certain elements are parameterized. Instead of hardcoding values, you define placeholders that get filled dynamically at runtime. Prompt templating will be covered in a later section.

To clean up prompts that are no longer required, you can select one or many prompts and select the trash can icon to delete them.



Next unit



Prompt Editor

Querying the Large Language Model (LLM)

This lesson introduces the Prompt Editor where prompts can be designed and executed against a range of established large language models (LLMs).

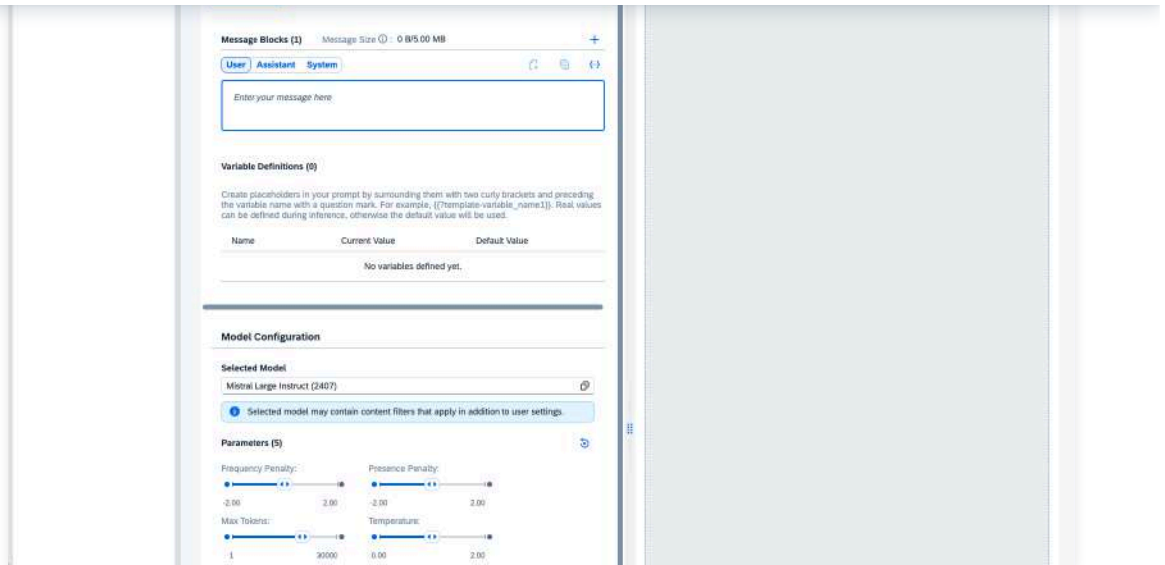
Prompt engineering is ideal for task-specific scenarios requiring precise outputs. Once configured, it is less dependent on human intervention for refinement and offers greater versatility in shaping AI responses, allowing modifications to prompts for varied results.

Try it out!

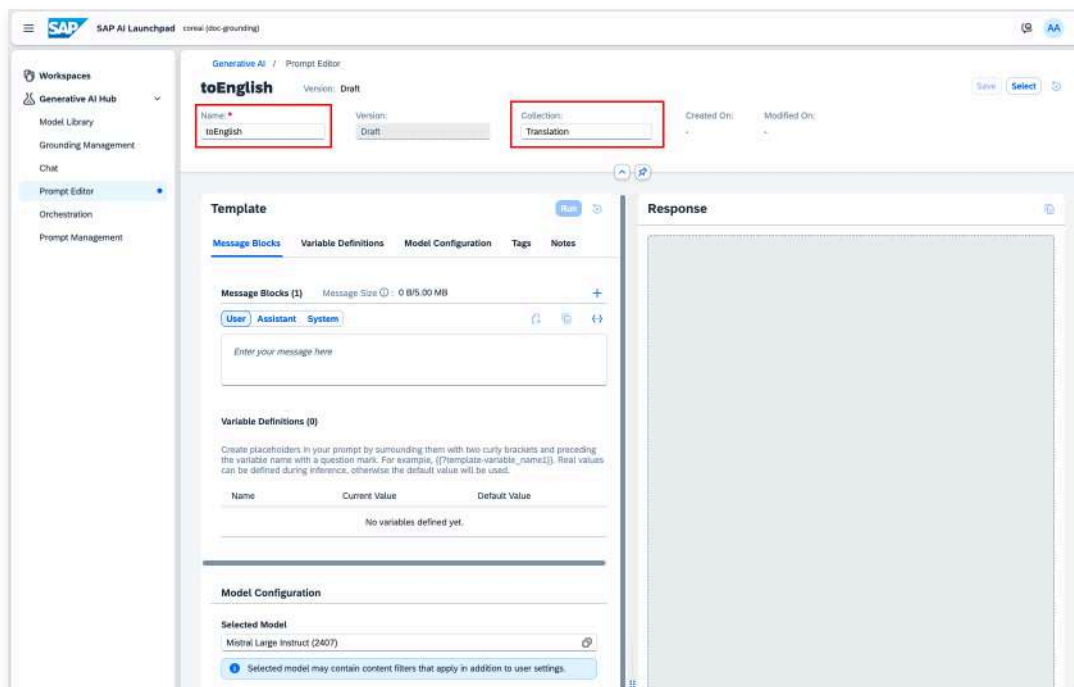
1. Navigate to and expand the Generative AI Hub menu option where the following prompt-related options are available:
 - **Prompt Editor:** In the prompt editor, you can design prompts and save the responses.
 - **Prompt Management:** In the prompt management page, you can manage all saved prompts.
2. Select the **Prompt Editor** to open the prompt editor dialog screen.

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3. In the *Prompt Editor* page, enter a name for the prompt. The prompt can also be categorized with a collection name, but this is optional. Using meaningful names and collections will be helpful when it comes to prompt management. As the following is a translation example, the prompt name is **toEnglish** and the *Collection* is called **Translation**.



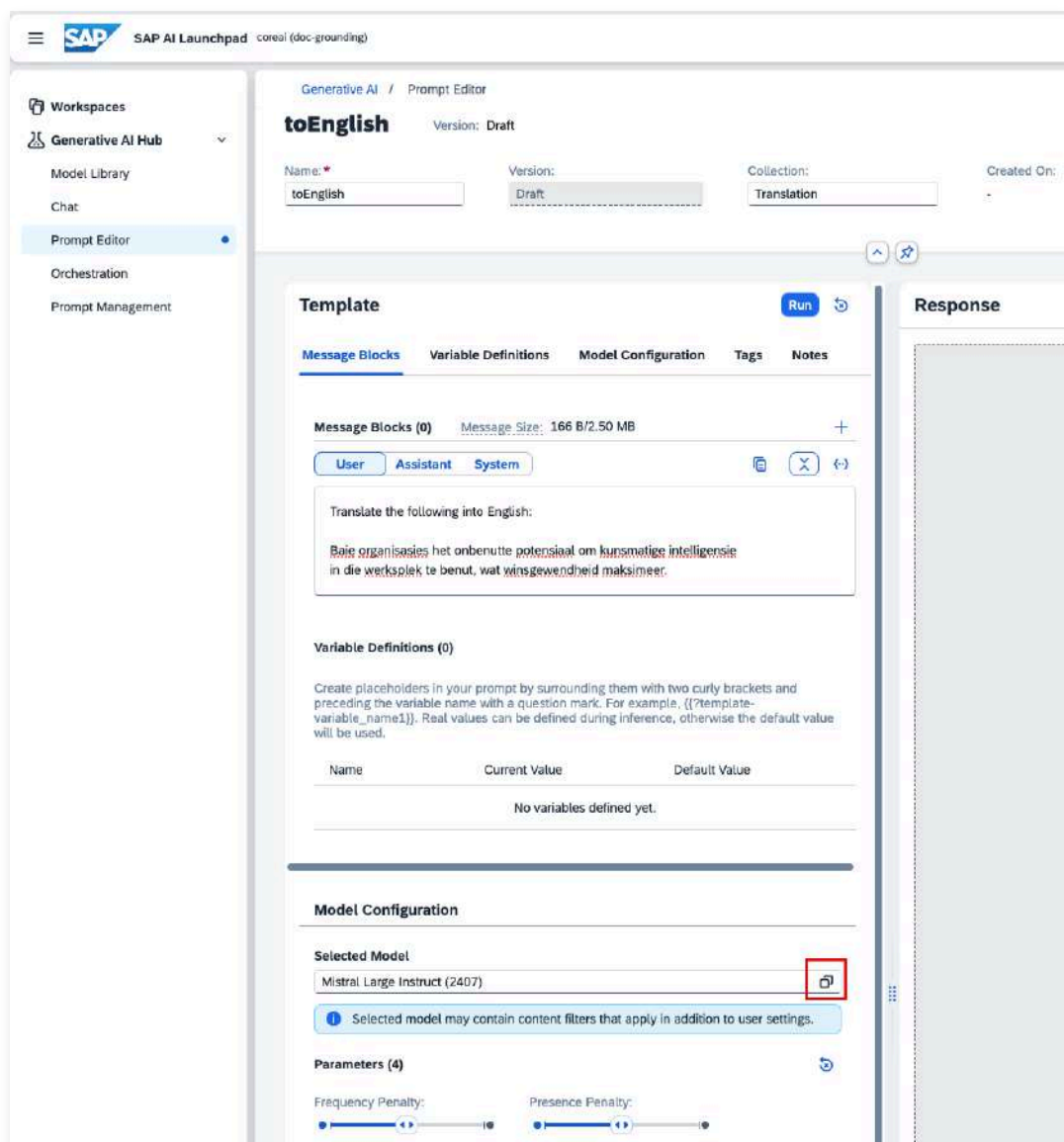
4. Paste the following text into the message block of the *user* role in the prompt editor:

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Note: You can provide different instructions to the model depending on whether the model's role is that of a user, an assistant or a system.

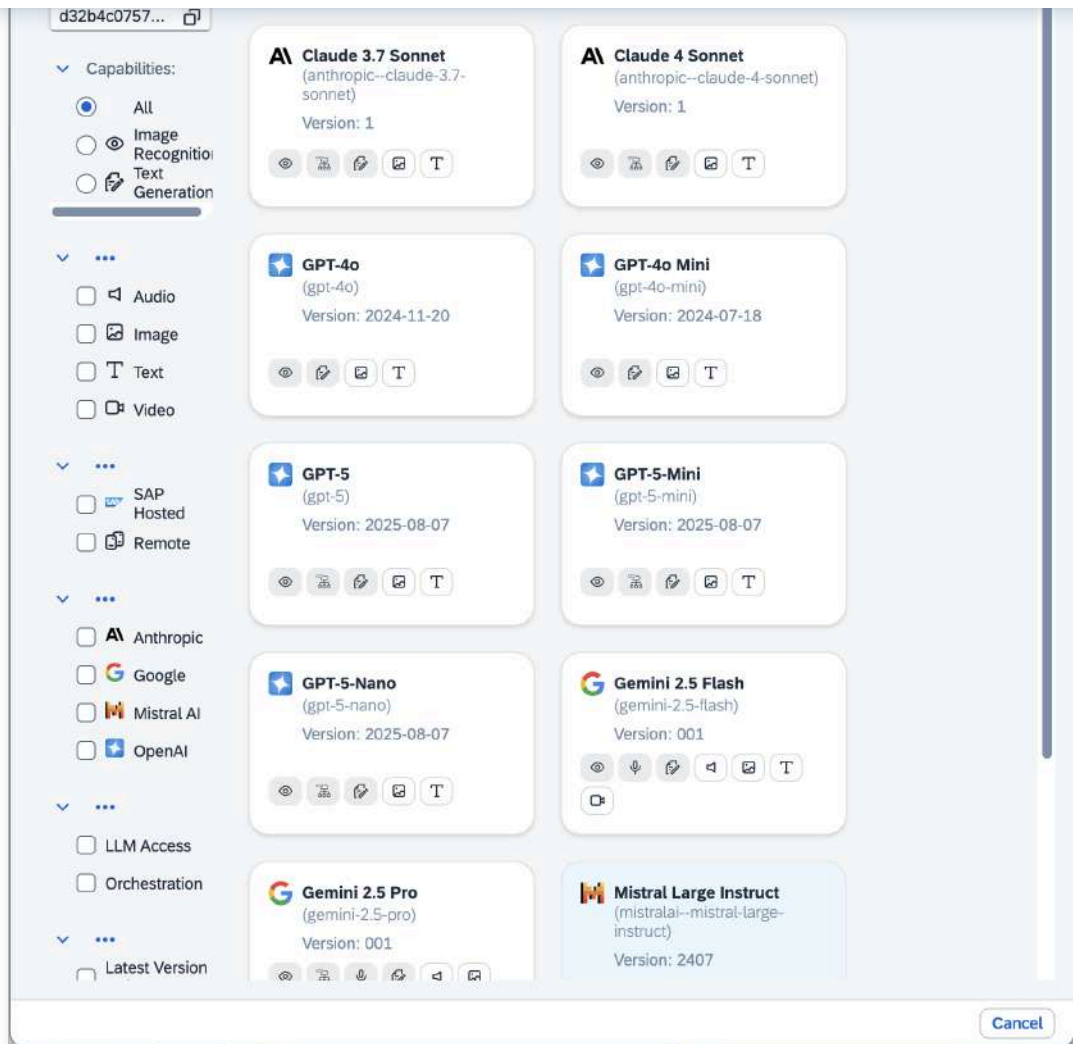
5. Scroll down and click on the highlighted icon to select the model.



The list of models currently available in this deployment will appear. It's possible to filter models by input type, model provider, provisioning method

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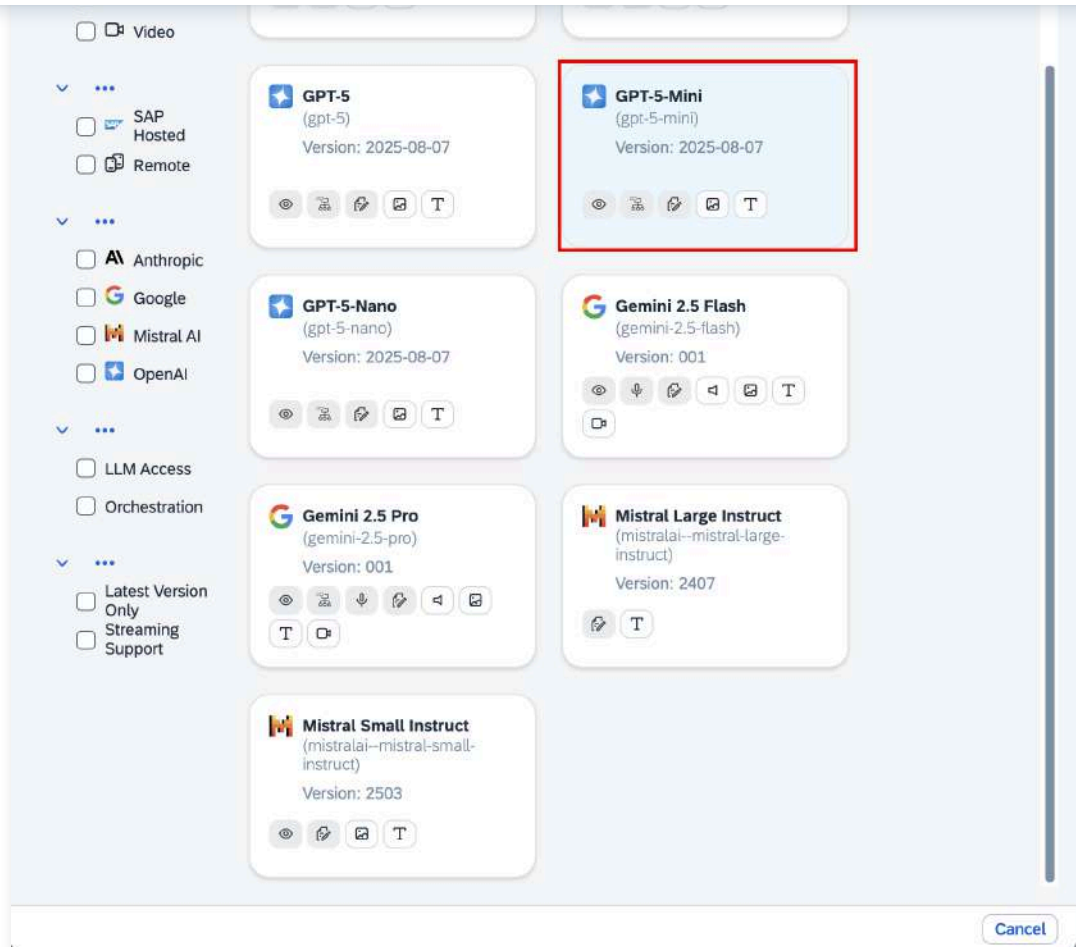
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6. Scroll through the list of available models and select one for inference. In this example we will use **GPT-5-Mini**. Select this model to return to the prompt editor screen.

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7. Additional parameters for the prompt can also be set in here

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Prompt Editor

Orchestration

Prompt Management

Translate the following into English:

Bale organisaties het onbenutte potentiaal om kunstmatige intelligentie in die werksplek te benut, wat winsgewendheid maksimeer.

Variable Definitions (0)

Create placeholders in your prompt by surrounding them with two curly brackets and preceding the variable name with a question mark. For example, {{?template-variable_name1}}. Real values can be defined during inference, otherwise the default value will be used.

Name	Current Value	Default Value
No variables defined yet.		

Model Configuration

Selected Model

GPT-5-Mini (2025-08-07)

Selected model may contain content filters that apply in addition to user settings.

Parameters (5)

Frequency Penalty: -2.00 2.00

Presence Penalty: -2.00 2.00

Max Completion Tokens: 1 32768

Temperature: 0.00 2.00

Streaming Response: ☒

Frequency Penalty: Number between -2.0 and 2.0. Positive values penalize new tokens based on their existing frequency in the text so far, decreasing the model's likelihood to repeat the same line verbatim.

Presence Penalty: Number between -2.0 and 2.0. Positive values penalize new tokens based on whether they appear in the text so far, increasing the model's likelihood to talk about new topics.

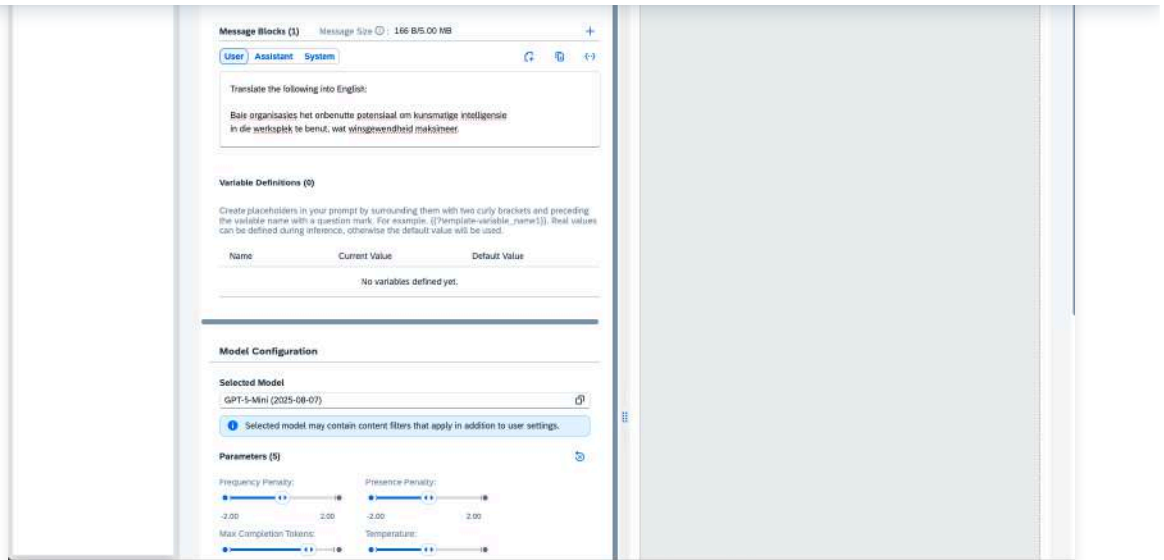
Max Completion Tokens: The maximum number of tokens allowed for the generated answer.

Temperature: What sampling temperature to use, between 0 and 2. Higher values will make the output more random, while lower values will make it more focused and deterministic.

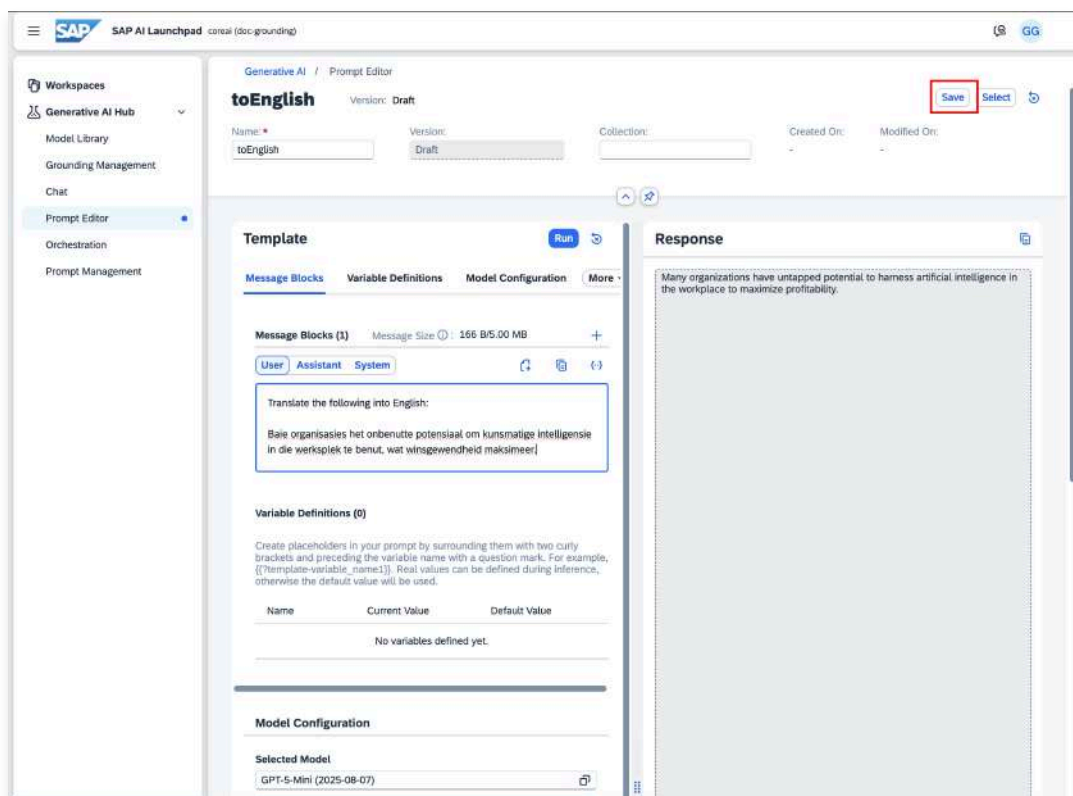
8. Leave the parameters at the default values, and click on **Run** to get the output.

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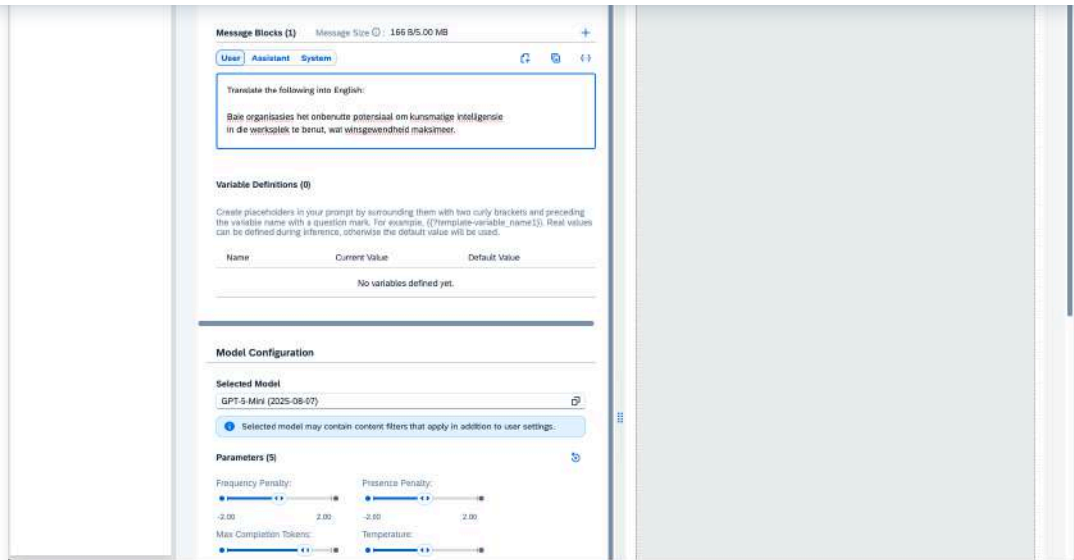
9. Save the prompt and its response by clicking **Save**.



10. Click on the **'Reset'** icon to start a new prompt.

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Note: Once a prompt has been saved, any subsequent prompts which are pasted into the message window will update the version of *that* particular prompt. The **Reset** button must be used to start a completely new prompt. The reset will also revert the chosen model and parameters back to the original selection.

11. This time, name the prompt **toGerman** and keep the Collection name as **Translation**.

12. Edit the prompt to request the following translation:

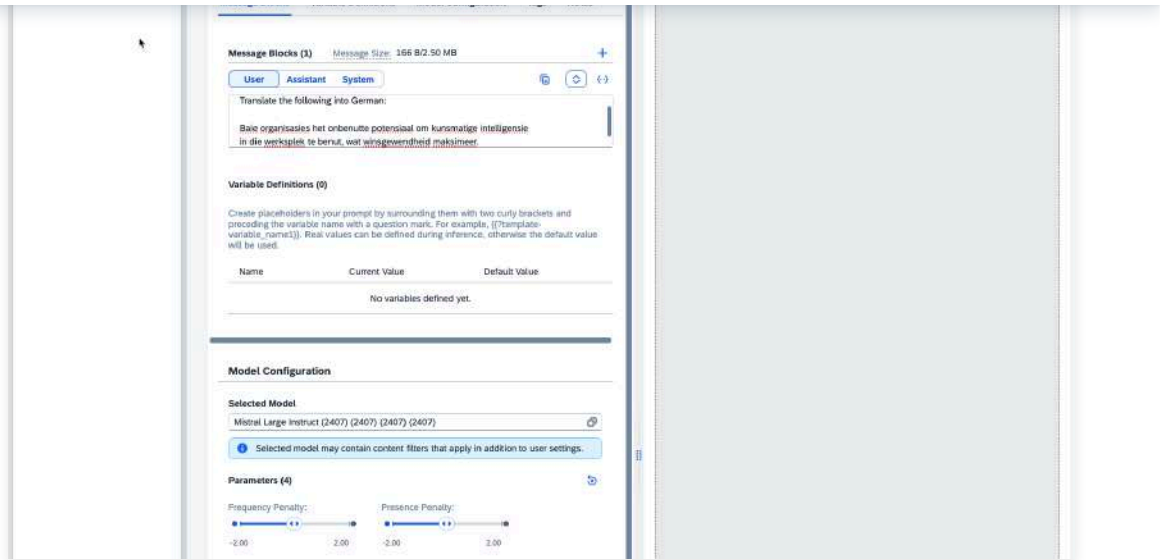
Translate the following into German:

Baie organisaties het onbenutte potentiaal om kunsmatige intelligentie in de werksplek te benut, wat winsgewendheid maksimeer

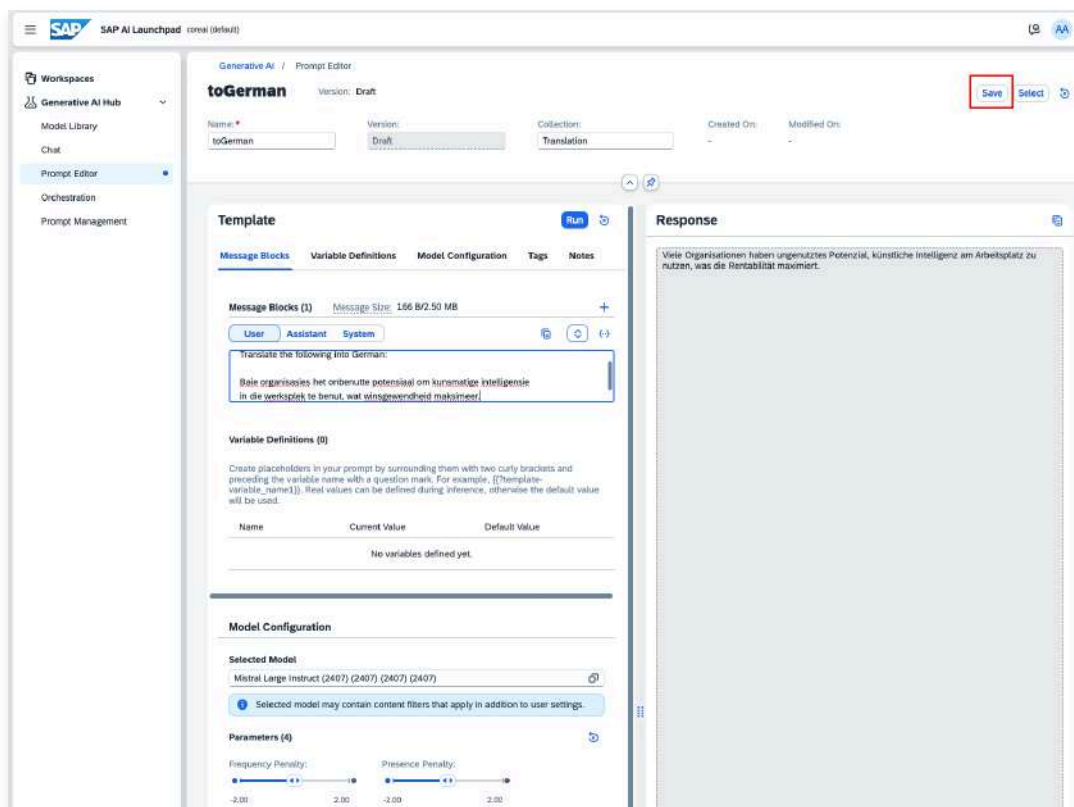
13. Click on **Run** to execute the prompt and get the German translation.

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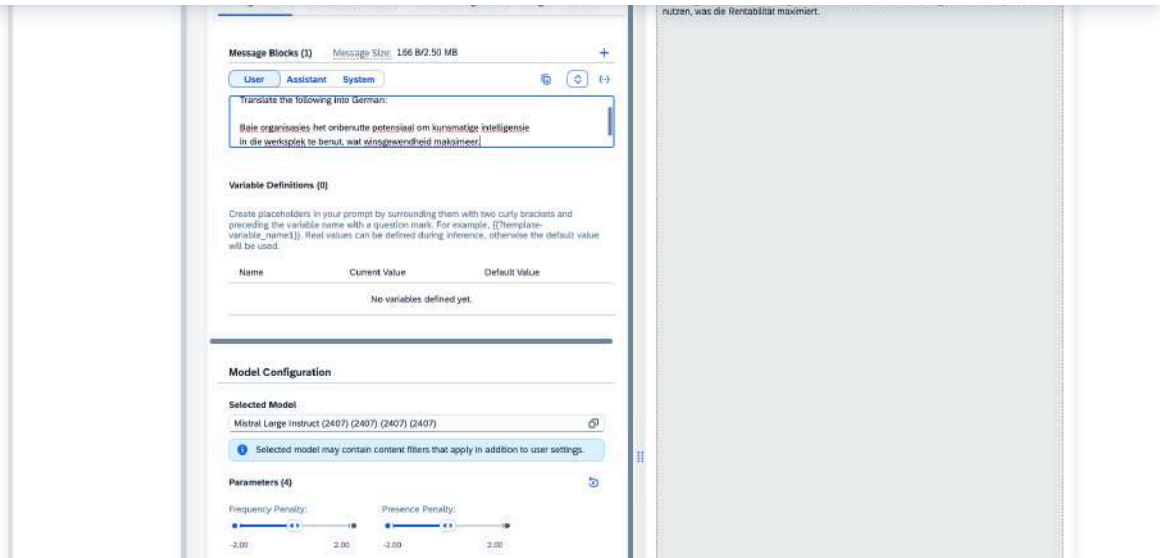
14. Save the prompt by clicking on **Save**.



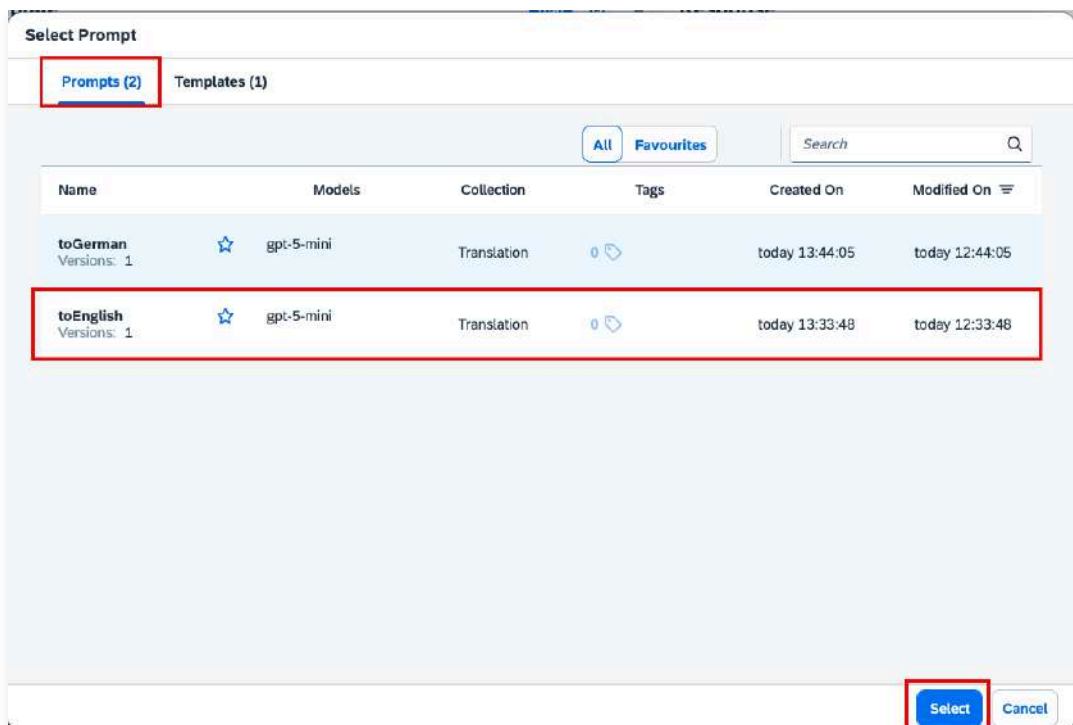
15. A previously saved prompt can be opened by choosing **Select**.

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16. Choose the prompt and click on **Select** to open it in the prompt editor.



The next unit shows how to find, manage and organize all your prompts via the **Prompt Management** menu.

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Chat

This lesson introduces the Generative AI Hub **Chat** where prompts can be created, managed and executed against a range of established large language models (LLMs).

The key features of the **Chat** design is to excel at maintaining the background and flow of a conversation, ensuring smooth and connected interactions. Chat design heavily relies on human feedback for ongoing improvement.

Prerequisites

There is at least one deployment for a generative AI model running. For more information, see [Create a Deployment for a Generative AI Model](#) .

The AI API connection and resource group that were used in the activation steps are available and selected.

The **genai_manager**, **prompt_manager**, **genai_experimenter** or **prompt_experimenter** roles, or a role collection that contains one of these roles, has been assigned to the user. For more information, see [Roles and Authorizations](#) .

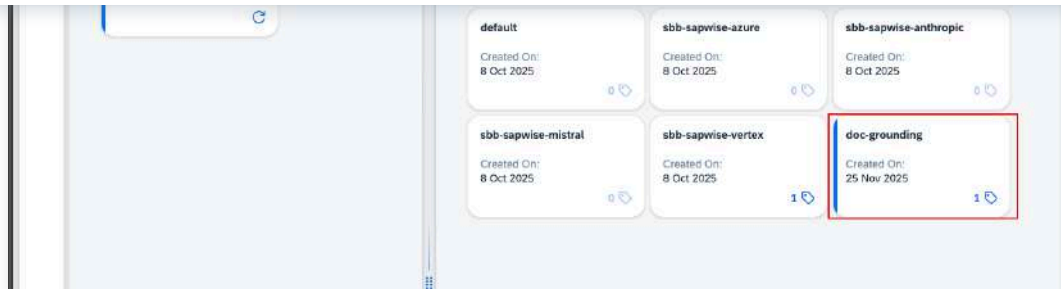
Try it out!

Select this [AI Launchpad](#) link to get started!

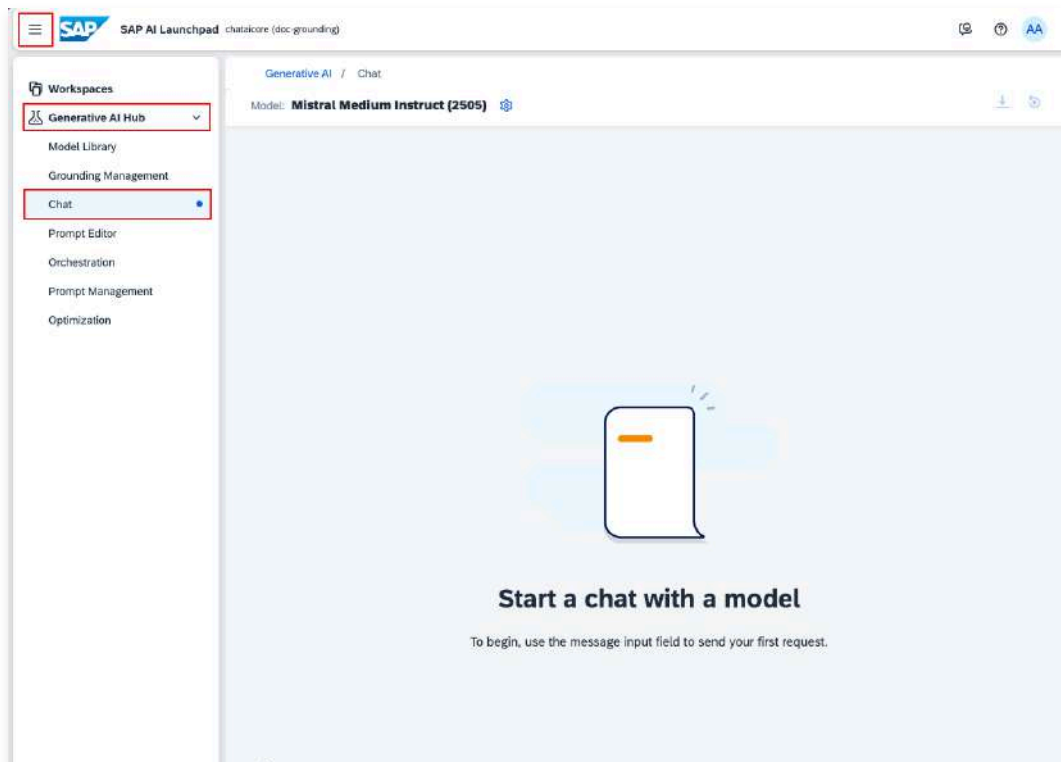
1. Choose the **doc-grounding** resource group from the list of options on the right hand side.

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2. Expand the menu on the left hand side, then expand **Generative AI Hub** and choose **Chat** to start a dialog with an AI model.

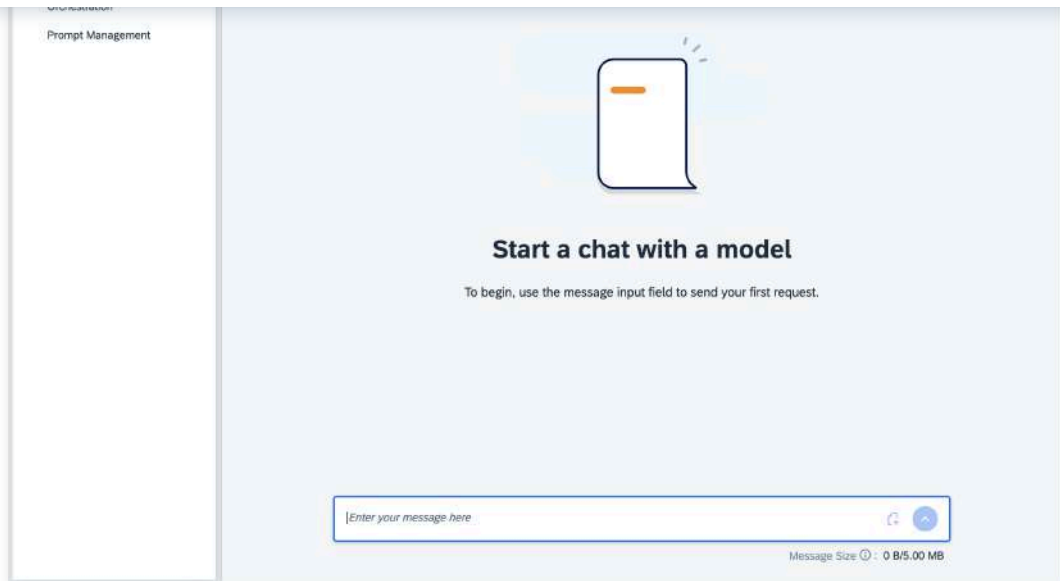


Before starting a chat, it's possible to configure the settings for your chosen model, including which model to use and what parameters to include.

3. Adjust the model settings by selecting the **Configure chat settings** icon beside the model name.

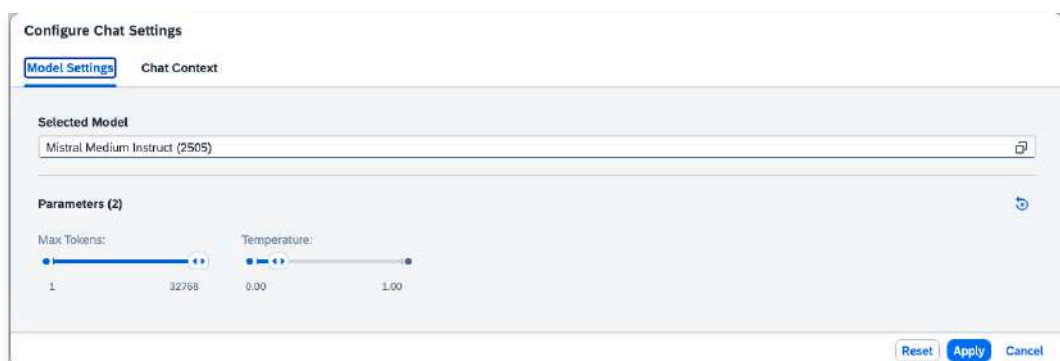
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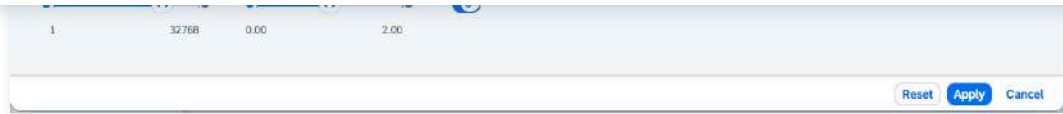
In the *Model Settings* tab, the following options are available:

- **Selected Model:** Select from a number of different foundation models available. If you do not choose a model, the default option will be used.
- **Parameters:** Different models support different parameters and values. Full information is available from the model provider.
- **Streaming Response:** Chat responses are output in real time, as they are generated. (Only available for certain models).



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Chat Context Settings

Select the **Chat Context** tab to adjust the chat context for the chosen model.

Configure Chat Settings

Model Settings **Chat Context**

Context History

Set the number of most recent messages sent to the model.

1 20

Messages (1) Message Size: 0 B/2.50 MB **Select Template** +

Create placeholders in your prompt by surrounding them with two curly brackets and preceding the variable name with a question mark. For example, {{?template-variable_name1}}. Real values can be defined during inference, otherwise the default value will be used.

User Assistant System

Enter your prompt message here ...

Variable Definitions (0)

Name	Current Value	Default Value
No variables defined yet.		

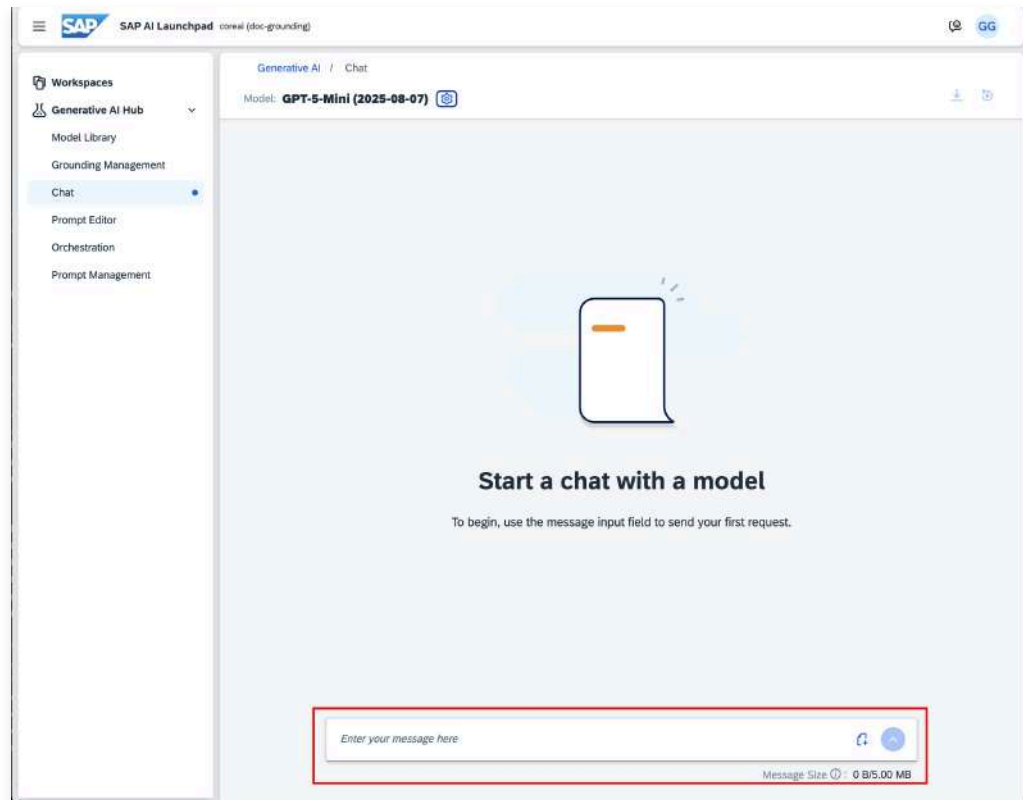
Reset Save Cancel

The following options are available:

- **Context History:** The number of previous interactions that form the context for the chat.
- **Select Template:** Users with an orchestration deployment and existing templates can select a template using the Select Template button.
- **Messages:** Instructions or context to guide the behavior of the model. Available for selected models.
- **Variable Definitions:** It's possible to create placeholders in your prompt by declaring them as variables. Real values can be defined during inference, otherwise the default value will be used.

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Results

The response to your chat input will then be generated.

You can now:

- Clear the current chat, including the context history, by clicking the **Clear** button.
- Download your entire chat using the **Download** button. Your chat will be automatically downloaded in JSON format, and can be saved locally.
- Copy an individual chat message or response using the **Copy** icon.
- Continue your chat by sending more messages. You can repeat your chat with changes to the messages, model, and parameters to change the outcome.

The next lesson looks at a more structured method for interacting with an LLM: The Prompt Editor.