

# Refine your AI Builder custom prompts (preview)

Develop effective prompts while learning useful prompt engineering skills with the Prompt advisor tool. Users can enter a prompt and receive a confidence evaluation with detailed reasoning for the score. Additionally, the tool provides a list of suggested refined prompts implementing various prompt techniques. Users can select from these optimized prompts to iteratively refine and improve their input.



## Important

- This is a preview feature.
- Preview features aren't meant for production use and might have restricted functionality. These features are available before an official release so that customers can get early access and provide feedback.

Prompt advisor ⓘ

Prompt

Analyze the sentiment of customer reviews for a newly launched smartphone and categorize them as positive, neutral, or negative.

Reset Random

Analyze

Optimized prompts

Apply and refine Copy to clipboard

Prompt	Confidence ↓	Response
Analyze the sentiment of the following customer reviews for a newly launched smartphone and categorize each review as positive, neutral, or negative.	86%	Review 1: 'I love the new features and the battery life is amazing!' - Positive Review 2: 'The phone is okay, but I expected more.' - Neutral Review 3: 'I'm disappointed with the camera quality.' - Negative
Please categorize the sentiment of these customer reviews for a newly launched smartphone as positive, neutral, or negative.	83%	Review 1: 'Fantastic phone with great features!' - Positive Review 2: 'It's an average phone, nothing special.' - Neutral Review 3: 'Terrible experience with this phone.' - Negative
Determine the sentiment of the following customer reviews for a newly launched smartphone and classify them as positive, neutral, or negative.	86%	Review 1: 'Amazing phone with excellent performance!' - Positive Review 2: 'The phone is decent, but not outstanding.' - Neutral Review 3: 'Very dissatisfied with the battery life.' - Negative

AI-generated content may be incorrect. [Read terms](#)

Evaluation

Optimized prompt

As of 06:21 PM, Sep 27 2024

86% Confidence

Reason for score

The prompt is clear and relevant, with a slight improvement in specificity. It provides a straightforward task for sentiment analysis.

Grading by category

Accuracy	8 / 10
Clarity	9 / 10
Creativity	7 / 10
Relevance	9 / 10
Coherence	9 / 10

## Table of contents

### [Get started](#)

#### [Prerequisites](#)

#### [Install the solution](#)

#### [Run the Prompt advisor in the Dataverse Accelerator \(Prompt Advisor Private Preview\) app](#)

[Fine tune your prompt](#)

[Interpreting the confidence score](#)

[Troubleshooting and FAQ](#)

[Feedback and support](#)

# Get started

## Prerequisites

1. A [Microsoft Dataverse Environment](#) with [AI Builder prompts enabled in the admin center](#).
2. **Permissions requirements:** System customizer security role.
3. **AI Builder credits:** Ensure [AI Builder credits](#) are assigned to your environment.

## Install the solution

Install the solution provided in the onboarding email.

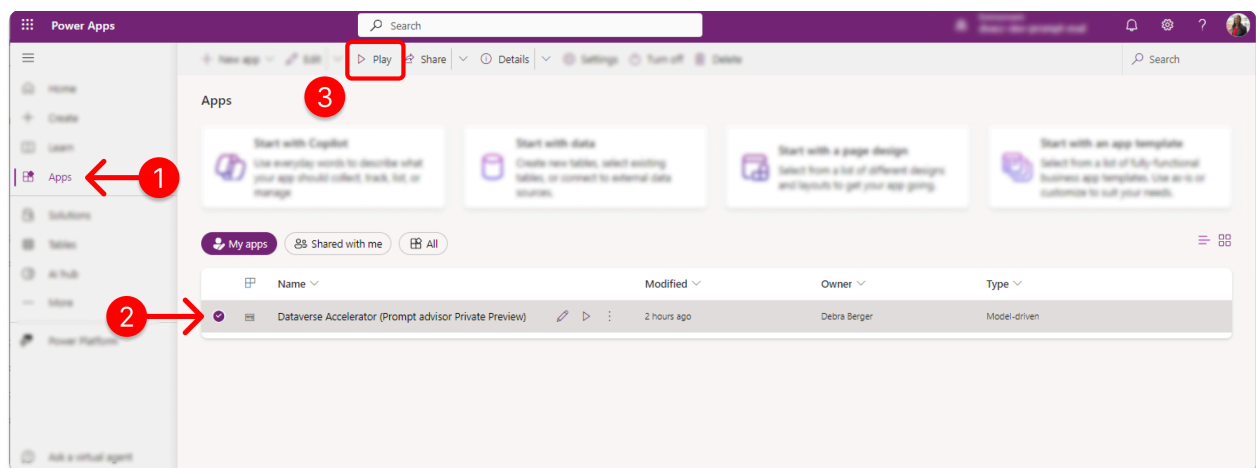
To install the Power Platform solution, please refer to the main [Solution install documentation](#).

## Run the Prompt advisor in the Dataverse Accelerator (Prompt Advisor Private Preview) app

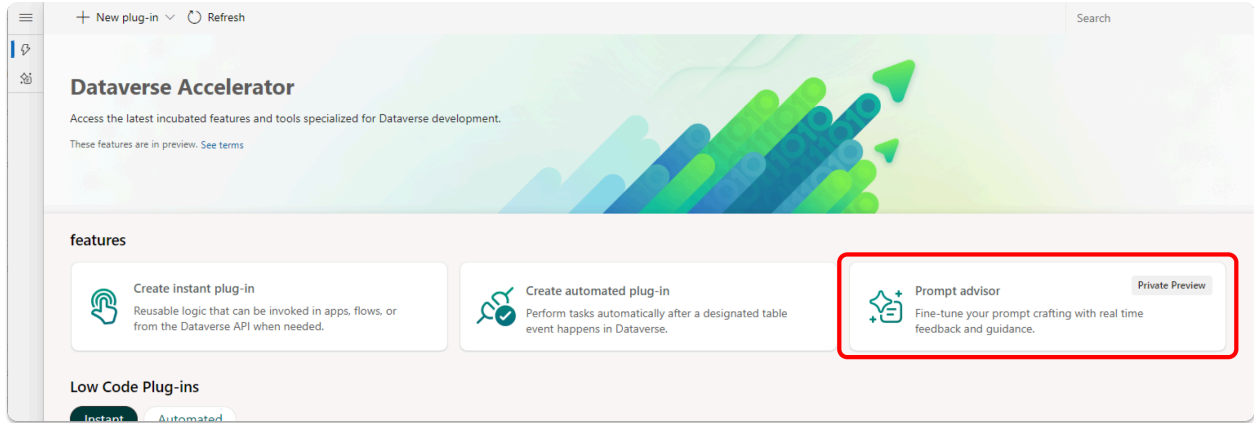
Go to the Apps page in the Power Apps maker portal.

Locate the app called **Dataverse Accelerator (Prompt advisor Private Preview)**, select the row's checkbox.

1. Click **Play**



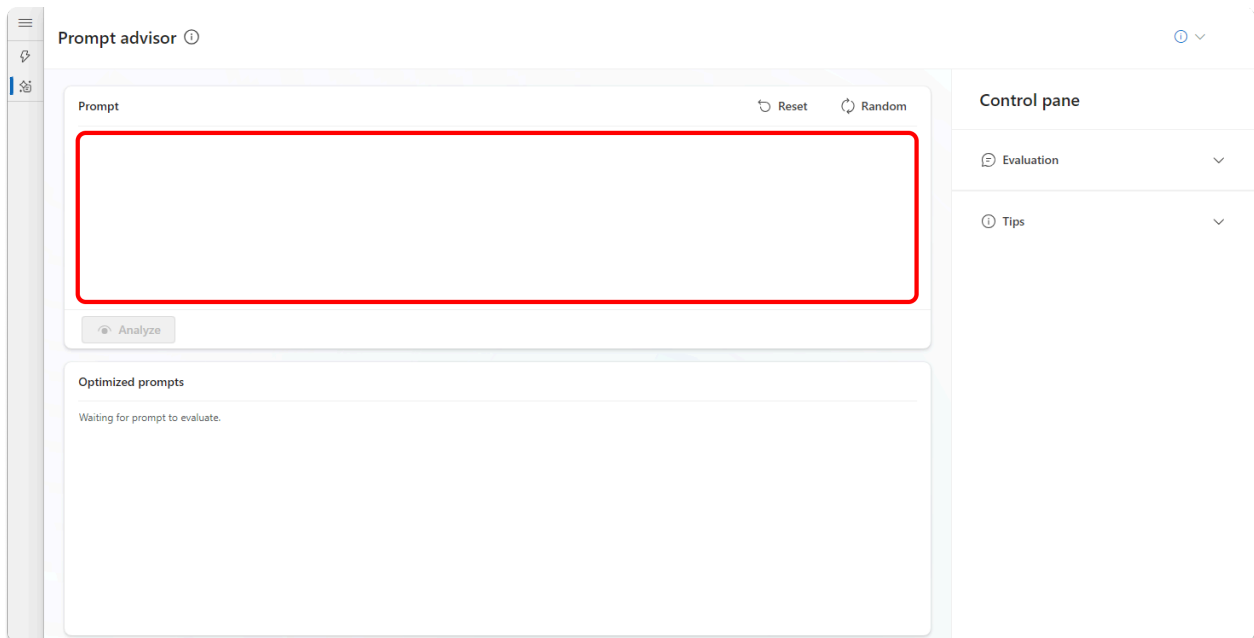
2. On the landing page, click the **Prompt advisor** card.



# Fine tune your prompt

Using the prompt advisor involves an iterative process where you enter a prompt, analyze it to receive a confidence score and feedback, and then refine the prompt based on the provided suggestions. This cycle is repeated until the prompt achieves a high confidence score.

1. **Enter a prompt:** In the input field, type the prompt you want to analyze.



2. **Click Analyze:** Click the "Analyze" button and wait for the evaluation to complete.
3. **View confidence score:** Once the response loads, observe the confidence score of your input prompt appear in the evaluation pane on the right side of the screen. This pane also provides reasoning for the score.

Analyze

Optimized prompts

Zero-shot Prompts

Prompt	Confidence ↓	Response
Analyze the sentiment of the following customer reviews for a newly launched smartphone and categorize each review as positive, neutral, or negative.	86%	Review 1: 'I love the new features and the battery life is amazing!' - Positive Review 2: 'The phone is okay, but I expected more.' - Neutral Review 3: 'I'm disappointed with the camera quality.' - Negative

Input prompt

As of 06:21 PM, Sep 27 2024

Refresh

0

85%

100

Confidence

Reason for score

The input prompt is clear and relevant, but it could be more specific in terms of the expected output format and examples.

4. **Review refined prompts:** In the grid below, you will see a list of refined prompts. Click the expand button in the top right corner of the card to view in full screen.

Analyze

Optimized prompts

Zero-shot Prompts

Prompt	Confidence ↓	Response
Analyze the sentiment of the following customer reviews for a newly launched smartphone and categorize each review as positive, neutral, or negative.	86%	Review 1: 'I love the new features and the battery life is amazing!' - Positive Review 2: 'The phone is okay, but I expected more.' - Neutral Review 3: 'I'm disappointed with the camera quality.' - Negative
Please categorize the sentiment of these customer reviews for a newly launched smartphone as positive, neutral, or negative.	83%	Review 1: 'Fantastic phone with great features!' - Positive Review 2: 'It's an average phone, nothing special.' - Neutral Review 3: 'Terrible experience with this phone.' - Negative

AI-generated content may be incorrect. [Read terms](#)

0

85%

100

Confidence

Reason for score

The input prompt is clear and relevant, but it could be more specific in terms of the expected output format and examples.

Tips

These prompts are filtered by the implemented technique, which can be changed using the dropdown menu.

Analyze

Optimized prompts

Zero-shot Prompts

Prompt	Confidence ↓	Response
Analyze the sentiment of the following customer reviews for a newly launched smartphone and categorize each review as positive, neutral, or negative.	84%	Review 1: Positive, Review 2: Neutral, Review 3: Negative

Zero-shot Prompts

Zero-shot Prompts

Few-shot Prompts

Chain-of-thought Prompts

0

85%

100

Confidence

Reason for score

The input prompt is clear and relevant to the task but it could be more detailed to improve accuracy and coherence.

5. **Select a refined prompt:** Choose from the list of optimized prompts to improve your input. The selected prompt's scores will be displayed in the evaluation charts cards on the right.

Prompt

Reset

Random

Analyze

Optimized prompts

Apply and refine

Copy to clipboard

Zero-shot Prompts

Prompt	Confidence ↓	Response
Analyze the sentiment of the following customer reviews for a newly launched smartphone and categorize them as positive, neutral, or negative.	86%	Review 1: 'I love the new features and the battery life is amazing!' - Positive Review 2: 'The phone is okay, but I expected more.' - Neutral Review 3: 'I'm disappointed with the camera quality.' - Negative
Please categorize the sentiment of these customer reviews for a newly launched smartphone as positive, neutral, or negative.	83%	Review 1: 'Fantastic phone with great features!' - Positive Review 2: 'It's an average phone, nothing special.' - Neutral Review 3: 'Terrible experience with this phone.' - Negative
Determine the sentiment of the following customer reviews for a newly launched smartphone and classify them as positive, neutral, or negative.	86%	Review 1: 'Amazing phone with excellent performance!' - Positive Review 2: 'The phone is decent, but not outstanding.' - Neutral Review 3: 'Very dissatisfied with the battery life.' - Negative

AI-generated content may be incorrect. [Read terms](#)

Evaluation

Optimized prompt

As of 06:21 PM, Sep 27 2024

Refresh

0

86%

100

Confidence

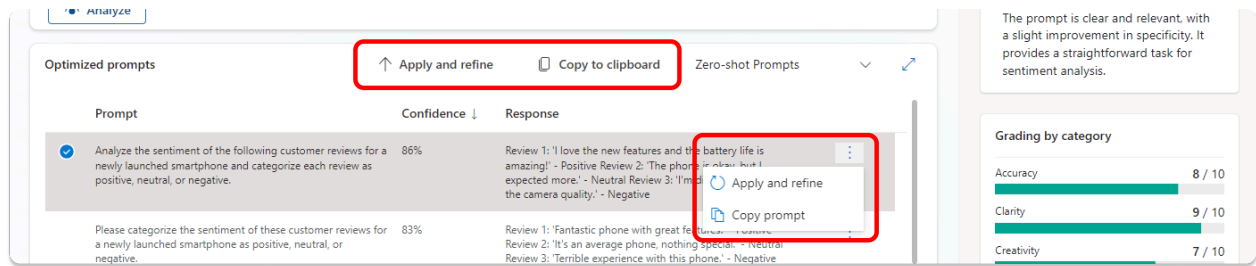
Reason for score

The prompt is clear and relevant, with a slight improvement in specificity. It provides a straightforward task for sentiment analysis.

Grading by category

Accuracy	8 / 10
Clarity	9 / 10
Creativity	7 / 10
Relevance	9 / 10
Coherence	9 / 10

6. Click **Apply and refine** to evaluate the refined prompt and generate more optimization suggestions. Modify the prompt manually based on the suggestion's confidence score reasoning.



Repeat steps 1-6 until you've reached an acceptable confidence score, or the prompt satisfies the needs for your use case. As you learn more about prompt engineering, you may observe it as an iterative process.

7. When you're done, **Copy the prompt** to clipboard and paste it into [AI Builder custom prompt studio](#).

## Interpreting the confidence score

The confidence score is a numerical value that indicates the likelihood that your prompt will yield accurate and relevant results. Here's how to interpret it:

- **High (80-100):** This indicates that your prompt is well-structured and likely to produce accurate results. The reasoning provided will highlight the strengths of your prompt.
- **Medium (50-79):** This suggests that your prompt is good but may need some improvements. The reasoning will point out areas that could be enhanced for better performance.
- **Low (0-49):** This indicates that your prompt may not be effective and requires significant changes. The reasoning will provide feedback on what aspects need to be improved.

### Tip

If there are too few words entered, the evaluation might not be able to provide a response.

## Troubleshooting and FAQ

### What should I do if I don't see the Analyze button, or if I get an error related to AI Builder credits?

Ensure that you have the necessary permissions and that AI Builder Credits are available in your environment.

### How can I get more AI Builder Credits?

You can purchase additional AI Builder credits through your Microsoft account or contact your administrator for assistance.

### Why is my confidence score low?

The confidence score is based on various factors, including the clarity and relevance of your prompt. Review the reasoning provided in the evaluation pane to understand how to improve your prompt.

### **Can I use this tool without the Microsoft Dataverse System Customizer security role?**

It is possible to manually create a security role with equivalent privileges to AI Builder capabilities and access to the app.

## **Feedback and support**

Submit feedback, bugs, and questions using this form: <https://aka.ms/PromptAdvisor/feedback>