

Optimize and Improve Prompts Automatically

Instructor

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Why use the prompt improver?

The prompt improver quickly enhances prompts through automated analysis. It excels at making prompts more robust for complex tasks that require high accuracy.

Prompt Improver

To optimize your prompts with Claude

Before you begin:

- A Prompt Template to improve
- Feedback on current issues with Claude's outputs (optional but recommended)
- Example inputs and ideal outputs (optional but recommended)

Generating prompt

Planning initial draft C < Step 2/6 >

1. Intent and Deployment Circumstance:
The prompt's intent is to classify a given sentence by identifying which Wikipedia article title it most likely belongs to. This task is likely to be deployed in a context where automatic content classification or information retrieval is needed, such as in a search engine, content management system, or knowledge base.

2. Flowchart:
Due to the simplicity of this task, a detailed flowchart isn't necessary. However, here's a basic representation of the process:

```
```mermaid
graph TD
 A[Start] --> B[Receive list of article titles]
 B --> C[Receive sentence to classify]
 C --> D[Compare sentence to each article title]
 D --> E[Identify most likely article title]
 E --> F[Output selected article title]
 F --> G[End]
```
3. Lessons from Examples:
```

Cancel **Open in Workbench**

YOU CAN WATCH THESE STEPS HAPPEN IN REAL-TIME IN THE IMPROVEMENT MODAL.

Prompt Improver

How the prompt improver works

The prompt improver enhances your prompts in 4 steps:

- **Example identification:** Locate and extract examples from your prompt template
- **Initial draft:** Creates a structured template with clear sections and XML tags
- **Chain of thought refinement:** Adds and refines detailed reasoning instructions
- **Example enhancement:** Updates examples to demonstrate the new reasoning process

Generating prompt

Planning initial draft C

< Step 2/6 >

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3. Lessons from Examples:



Cancel Open in Workbench



YOU CAN WATCH THESE STEPS HAPPEN IN REAL-TIME IN THE IMPROVEMENT MODAL.


```

▼ Original prompt

```
From the following list of Wikipedia article titles, identify which arti□  
Respond with just the article title and nothing else.
```

Article titles:

```
{{titles}}
```

Sentence to classify:

```
{{sentence}}
```

▼ Improved prompt

```
You are an intelligent text classification system specialized in matching text to article titles.
```

First, review the following list of Wikipedia article titles:

```
<article_titles>
```

```
{{titles}}
```

```
</article_titles>
```

Now, consider this sentence that needs to be classified:

```
<sentence_to_classify>
```

```
{{sentence}}
```

```
</sentence_to_classify>
```

```
Your goal is to determine which article title from the provided list best matches the sentence.
```

1. List the key concepts from the sentence

2. Compare each key concept with the article titles

3. Rank the top 3 most relevant titles and explain why they are relevant

4. Select the most appropriate article title that best encompasses or relates to the sentence

Wrap your analysis in <analysis> tags. Include the following:

- List of key concepts from the sentence

- Comparison of each key concept with the article titles

- Ranking of top 3 most relevant titles with explanations

- Your final choice and reasoning

```
After your analysis, provide your final answer: the single most appropriate Wikipedia article title.
```

```
Output only the chosen article title, without any additional text or explanation.
```

Prompt Improver

To optimize your prompts with Claude

The prompt improver generates templates with:

- Detailed chain-of-thought instructions that guide Claude's reasoning process and typically improve its performance
- Clear organization using XML tags to separate different components
- Standardized example formatting that demonstrates step-by-step reasoning from input to output
- Strategic prefills that guide Claude's initial responses

▼ Original prompt

```
From the following list of Wikipedia article titles, identify which arti the  
Respond with just the article title and nothing else.
```

```
Article titles:
```

```
{{titles}}
```

```
Sentence to classify:
```

```
{{sentence}}
```

▼ Improved prompt

```
You are an intelligent text classification system specialized in matching input to output.
```

```
First, review the following list of Wikipedia article titles:
```

```
<article_titles>
```

```
{{titles}}
```

```
</article_titles>
```

```
Now, consider this sentence that needs to be classified:
```

```
<sentence_to_classify>
```

```
{{sentence}}
```

```
</sentence_to_classify>
```

```
Your goal is to determine which article title from the provided list best matches the input sentence.
```

1. List the key concepts from the sentence
2. Compare each key concept with the article titles
3. Rank the top 3 most relevant titles and explain why they are relevant
4. Select the most appropriate article title that best encompasses or relates to the input sentence

```
Wrap your analysis in <analysis> tags. Include the following:
```

- List of key concepts from the sentence
- Comparison of each key concept with the article titles
- Ranking of top 3 most relevant titles with explanations
- Your final choice and reasoning

```
After your analysis, provide your final answer: the single most appropriate Wikipedia article title.
```

```
Output only the chosen article title, without any additional text or explanation.
```

Prompt Improver

To optimize your prompts with Claude

The prompt improver works best for:

- Complex tasks requiring detailed reasoning
- Situations where accuracy is more important than speed
- Problems where Claude's current outputs need significant improvement

▼ Original prompt

```
From the following list of Wikipedia article titles, identify which arti<input type="checkbox"> the article is about.  
Respond with just the article title and nothing else.
```

Article titles:

```
<{titles}>
```

Sentence to classify:

```
<{sentence}>
```

▼ Improved prompt

```
You are an intelligent text classification system specialized in matching sentences to article titles.
```

First, review the following list of Wikipedia article titles:

```
<article_titles>
```

```
<{titles}>
```

```
</article_titles>
```

Now, consider this sentence that needs to be classified:

```
<sentence_to_classify>
```

```
<{sentence}>
```

```
</sentence_to_classify>
```

```
Your goal is to determine which article title from the provided list best matches the sentence.
```

1. List the key concepts from the sentence

2. Compare each key concept with the article titles

3. Rank the top 3 most relevant titles and explain why they are relevant

4. Select the most appropriate article title that best encompasses or relates to the sentence

Wrap your analysis in <analysis> tags. Include the following:

- List of key concepts from the sentence

- Comparison of each key concept with the article titles

- Ranking of top 3 most relevant titles with explanations

- Your final choice and reasoning

After your analysis, provide your final answer: the single most appropriate Wikipedia article title.

Output only the chosen article title, without any additional text or explanation.

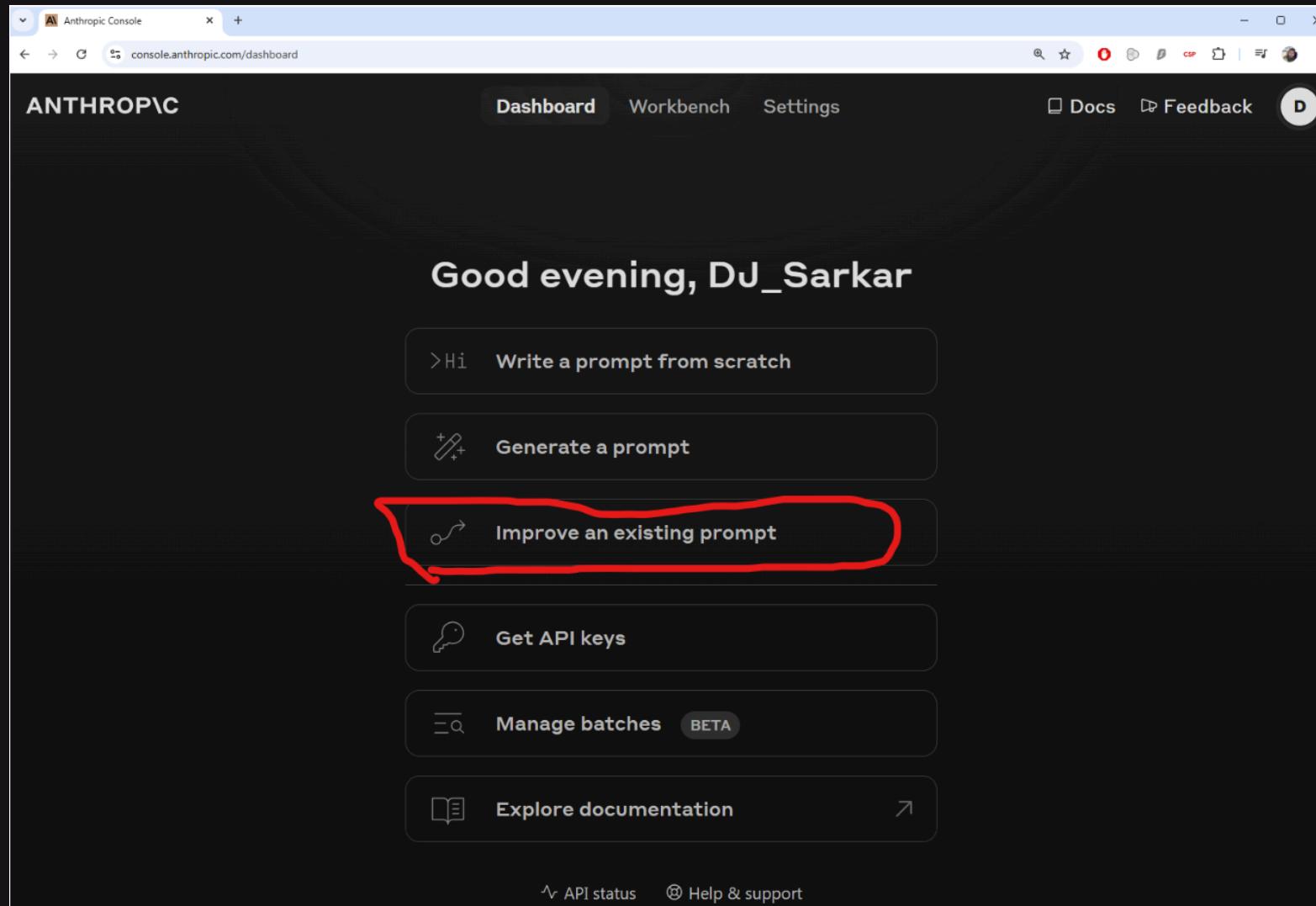
Prompt Improver

To optimize your prompts with Claude

Typically, the improved prompt:

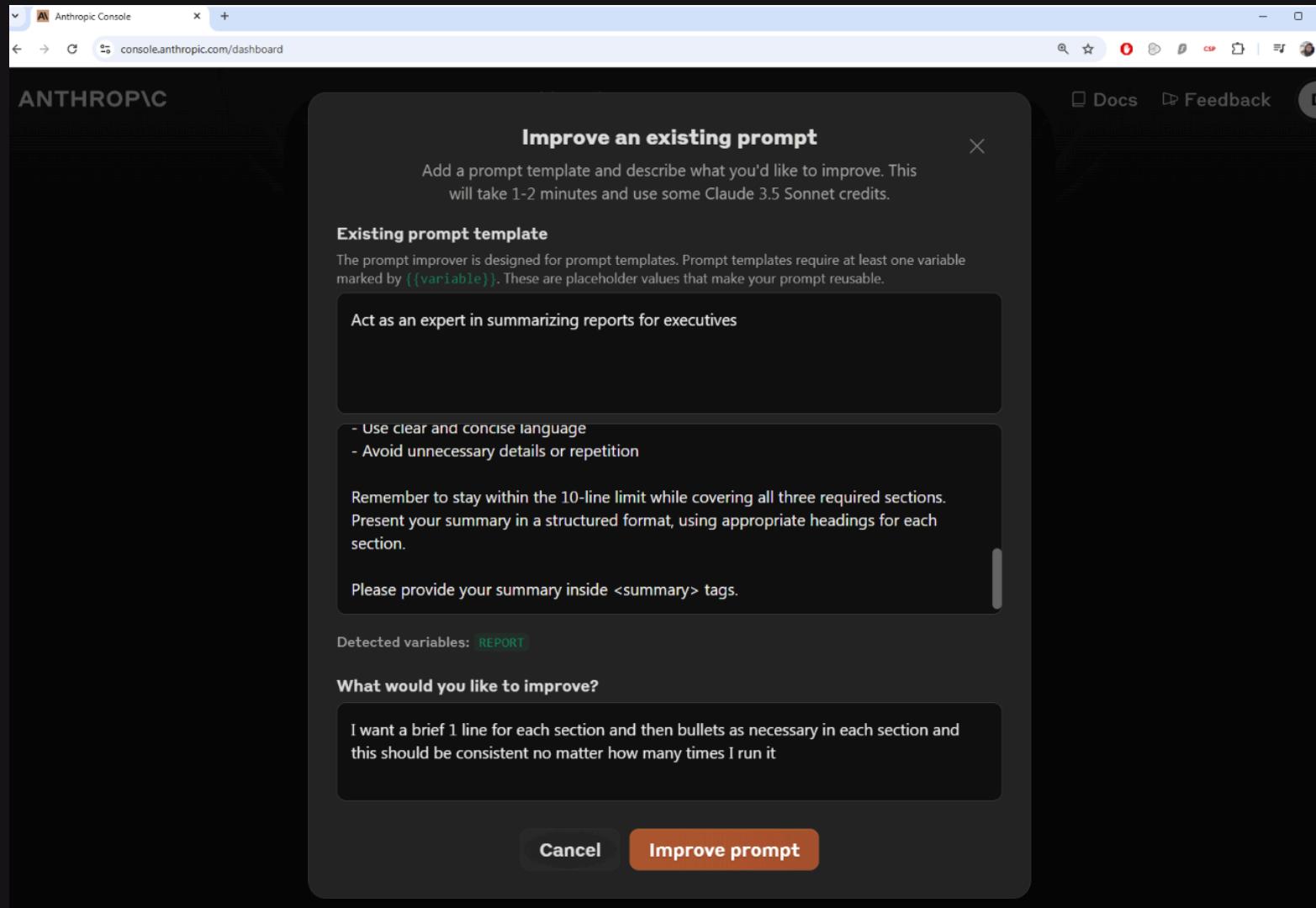
- Adds clear step-by-step reasoning instructions
- Uses XML tags to organize content
- Provides explicit output formatting requirements
- Guides Claude through the analysis process

Use Claude to Improve Existing Prompts Faster

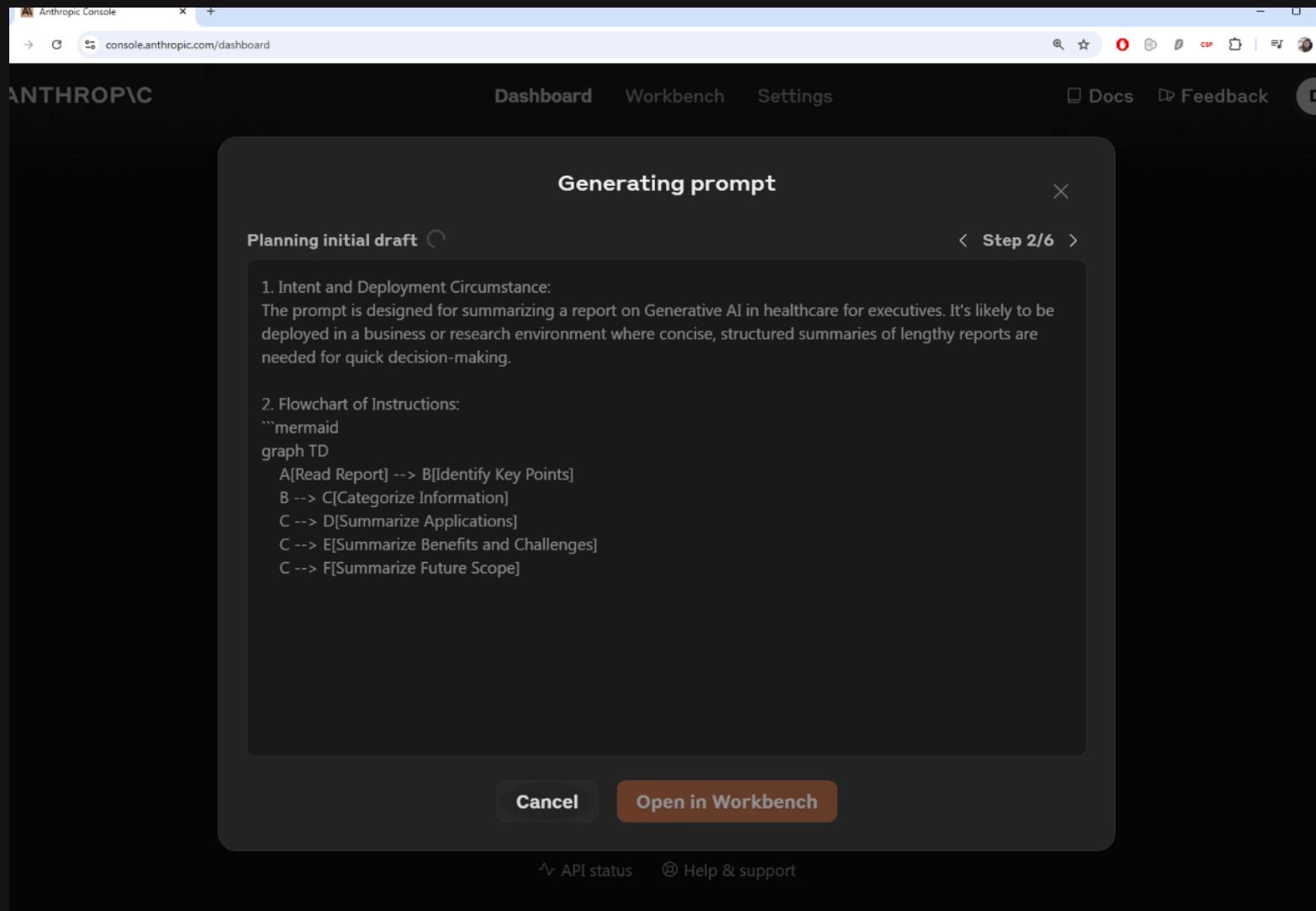


⌄ API status ⌄ Help & support

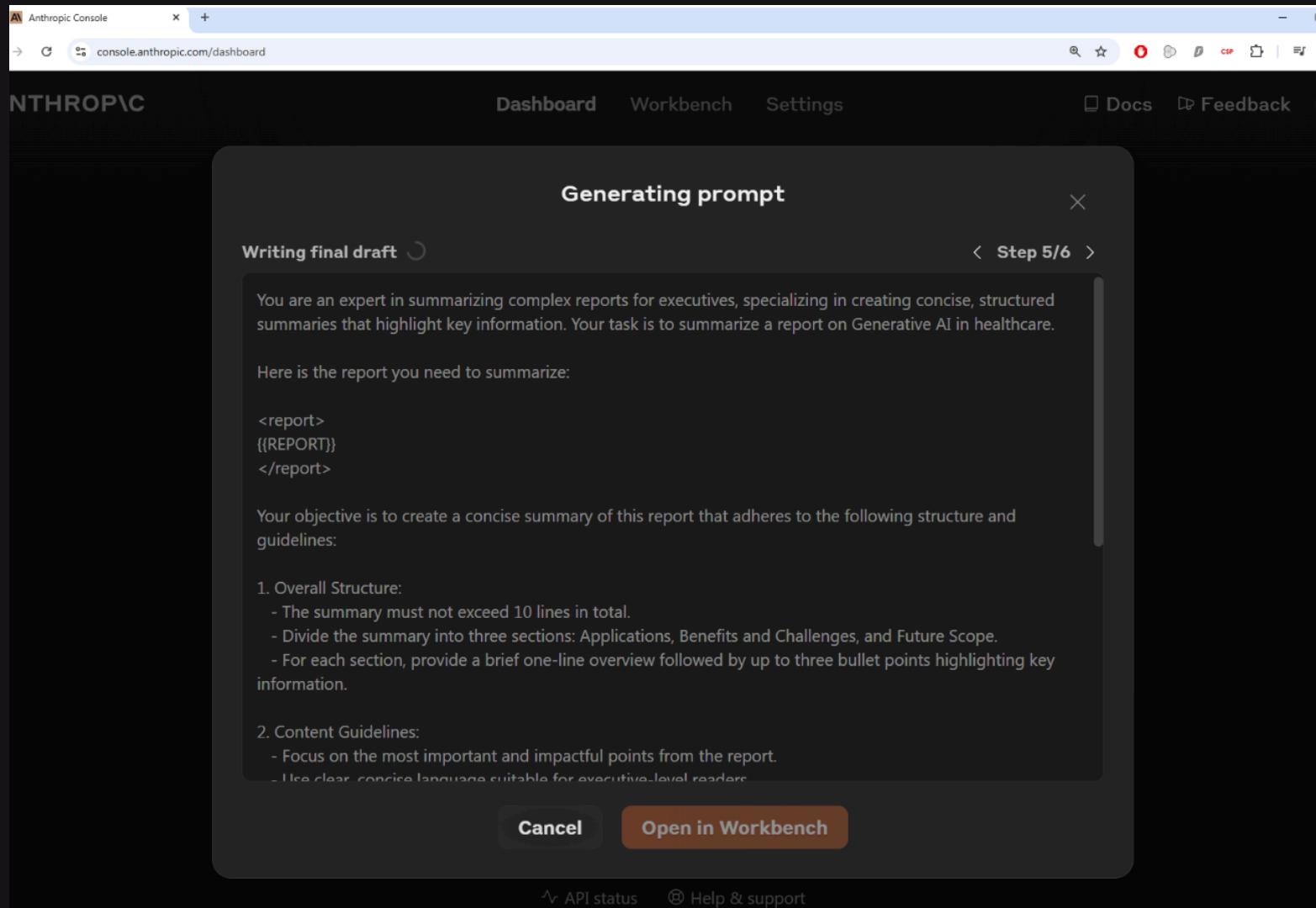
Use Claude to Improve Existing Prompts Faster



Use Claude to Improve Existing Prompts Faster



Use Claude to Improve Existing Prompts Faster



API status Help & support

Use Claude to Improve Existing Prompts Faster

The screenshot shows the Anthropic Console interface. At the top, there's a navigation bar with 'Anthropic Console' and links for 'Dashboard', 'Workbench', 'Settings', 'Docs', and 'Feedback'. Below the navigation is a modal window titled 'Your prompt'.

The modal content starts with a heading 'USER' and a message: 'Here's a preview of the updated prompt. Open in Workbench to edit.' The main text area contains the following:

You are an expert in summarizing complex reports for executives, specializing in creating concise, structured summaries that highlight key information. Your task is to summarize a report on Generative AI in healthcare.

Here is the report you need to summarize:

```
<report>
{{REPORT}}
</report>
```

Your objective is to create a concise summary of this report that adheres to the following structure and guidelines:

1. Overall Structure:
 - The summary must not exceed 10 lines in total.
 - Divide the summary into three sections: Applications, Benefits and Challenges, and Future Scope.
 - For each section, provide a brief one-line overview followed by up to three bullet points highlighting key information.
2. Content Guidelines:
 - Focus on the most important and impactful points from the report.
 - Use clear, concise language suitable for executive-level readers.

At the bottom of the modal, there's a section labeled 'PREFILLED ASSISTANT RESPONSE' containing '<analysis>'.

At the very bottom of the modal, there are two buttons: 'Edit instructions' and 'Open in Workbench'. The 'Open in Workbench' button is highlighted with a red oval.

Use Claude to Improve Existing Prompts Faster

The screenshot shows the Anthropic Workbench interface. On the left, there's a sidebar with a 'Healthcare AI Report Structure' section containing three numbered sections: 1. Overall Structure, 2. Content Guidelines, and 3. Formatting. Below this is a section about writing final summaries using <analysis> tags. On the right, under the 'Test Case' tab, there's a 'REPORT' section with a heading '# Future Prospects' and a generated text block: 'The future of generative AI in healthcare is promising, with potential applications extending to real-time patient monitoring, predictive analytics, and advanced robotic surgery. As the technology evolves, it is expected to play a pivotal role in holistic patient care, enabling more proactive and preventive healthcare approaches. Ongoing research and collaboration among stakeholders will be essential to address existing challenges and fully realize the transformative potential of generative AI in healthcare.' At the bottom right of the interface, there's a large orange button with a play icon labeled 'Run' and the keyboard shortcut 'Ctrl + ⌘'.

1. Overall Structure:

- The summary must not exceed 10 lines in total.
- Divide the summary into three sections: Applications, Benefits and Challenges, and Future Scope.
- For each section, provide a brief one-line overview followed by up to three bullet points highlighting key information.

2. Content Guidelines:

- Focus on the most important and impactful points from the report.
- Use clear, concise language suitable for executive-level readers.
- Avoid unnecessary details, technical jargon, or repetition.

3. Formatting:

- Use appropriate headings for each section.
- Present bullet points using "-" symbols.

Before writing your final summary, wrap your analysis in <analysis> tags. In your analysis process:

1. For each section (Applications, Benefits and Challenges, Future Scope):
 - a. Extract and quote 2-3 key sentences or phrases from the report.
 - b. Formulate 2-3 options for the one-line overview.
 - c. List 4-5 potential bullet points.
2. Select the best one-line overview and up to three bullet points for each section, ensuring they complement each other without repeating information.
3. Count the total lines of your draft summary to ensure it stays within the 10-line limit. Adjust if necessary.

After your analysis, present your final summary using <summary> tags. Ensure that your summary maintains a consistent structure across all three sections, regardless of the content of the original report.

Here's an example of the desired output structure (using generic content):

```
<summary>
Applications:
One-line overview of applications.
- Key application point 1
- Key application point 2
- Key application point 3
```

Pre-fill response Add message pair Improve prompt Beta

Use Claude to Improve Existing Prompts Faster

The screenshot shows the Anthropic Workbench interface with the following details:

Prompt (Left Panel):

```
highlighting key information.

2. Content Guidelines:
- Focus on the most important and impactful points from the report.
- Use clear, concise language suitable for executive-level readers.
- Avoid unnecessary details, technical jargon, or repetition.

3. Formatting:
- Use appropriate headings for each section.
- Present bullet points using "-" symbols.

Before writing your final summary, wrap your analysis in <analysis> tags. In your analysis process:
1. For each section (Applications, Benefits and Challenges, Future Scope):
  a. Extract and quote 2-3 key sentences or phrases from the report.
  b. Formulate 2-3 options for the one-line overview.
  c. List 4-5 potential bullet points.
2. Select the best one-line overview and up to three bullet points for each section, ensuring they complement each other without repeating information.
3. Count the total lines of your draft summary to ensure it stays within the 10-line limit. Adjust if necessary.

After your analysis, present your final summary using <summary> tags. Ensure that your summary maintains a consistent structure across all three sections, regardless of the content of the original report.

Here's an example of the desired output structure (using generic content):

<summary>
Applications:
One-line overview of applications.
- Key application point 1
- Key application point 2
- Key application point 3
```

Response (Right Panel):

```
2. Future applications point toward comprehensive healthcare transformation.
3. Healthcare AI evolution targets holistic patient care

Key points:
• Real-time patient monitoring
• Predictive analytics advancement
• Robotic surgery enhancement
• Preventive healthcare approaches

Selected points prioritize impact, avoid redundancy, and maintain flow while covering key aspects.
<summary> Applications: Generative AI is transforming healthcare through diverse applications - Enhanced medical imaging and diagnostics using GANs - Accelerated drug discovery and development - Automated clinical documentation and decision support

Benefits and Challenges:
While offering significant advantages, generative AI faces implementation hurdles
• Improved diagnostic accuracy and operational efficiency
• Enhanced personalized treatment capabilities
• Data privacy and bias concerns require careful management

Future Scope:
Healthcare AI evolution targets holistic patient care
• Advanced real-time patient monitoring
• Predictive analytics enhancement
• Integration with robotic surgery

</summary>
```

Bottom Navigation and Metrics:

[] Pre-fill response [] Add message pair [] Improve prompt Beta
16k ⓘ Add to Conversation Like Dislike 522

Thank You
