

# Introduction to Claude

# Agenda

1. What is Claude?

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2. Capabilities

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1. What is Claude?
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3. Model Options
4. What is Artifacts?
5. Use Cases

# What is Claude?

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- Makes fewer mistakes

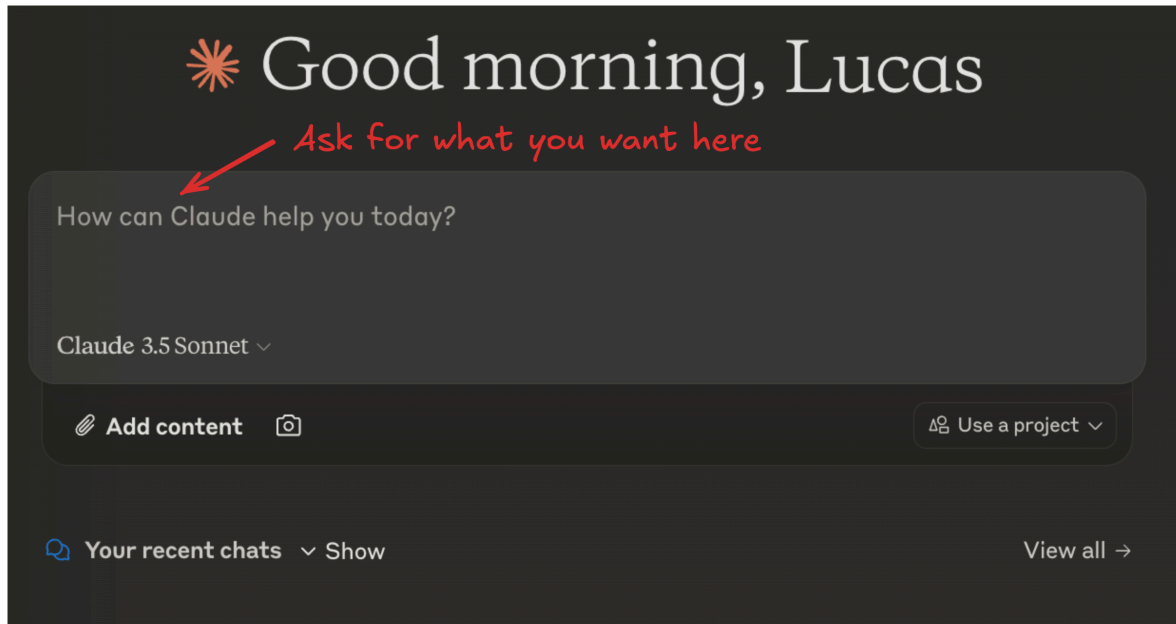
# What is Claude?

- A family of highly performant and intelligent AI models
- Built by Anthropic
- Powerful, extensible, and trustworthy
- Follows critical protocols
- Makes fewer mistakes
- Resistant to jailbreaks

# Capabilities

Claude with the chat interface can help with:

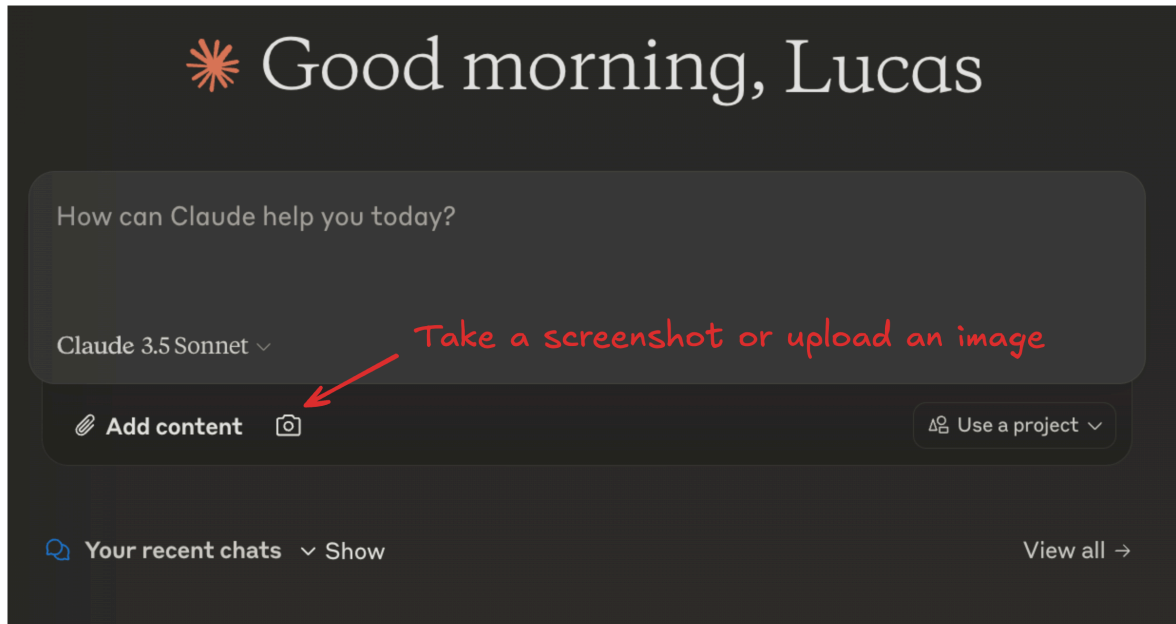
- Text and code generation



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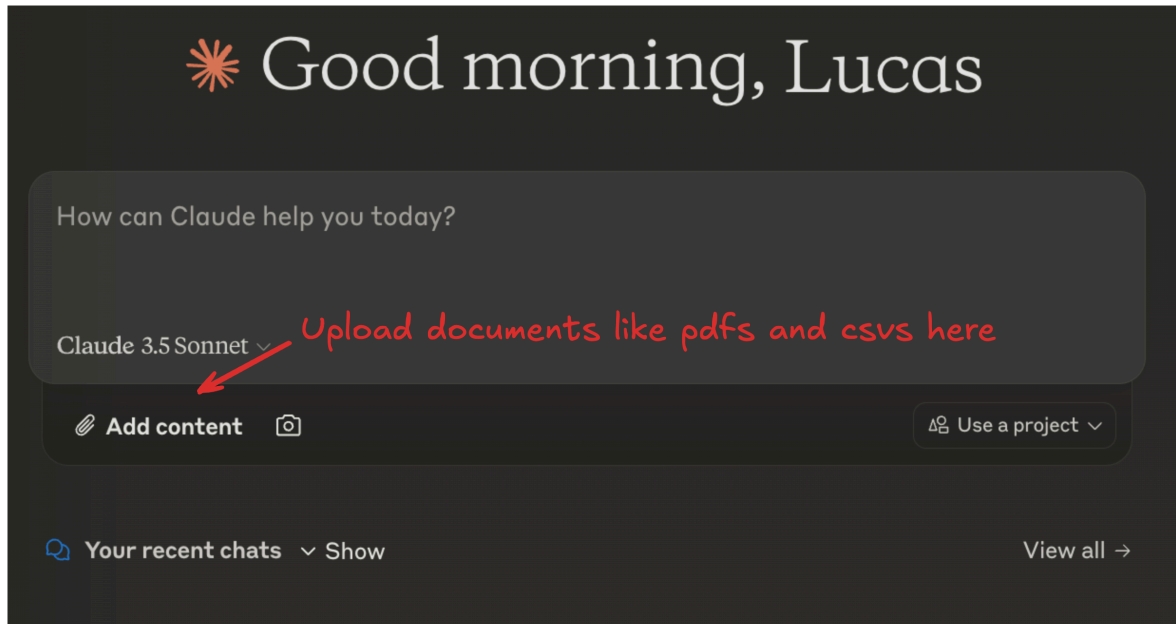
- Vision tasks



# Capabilities

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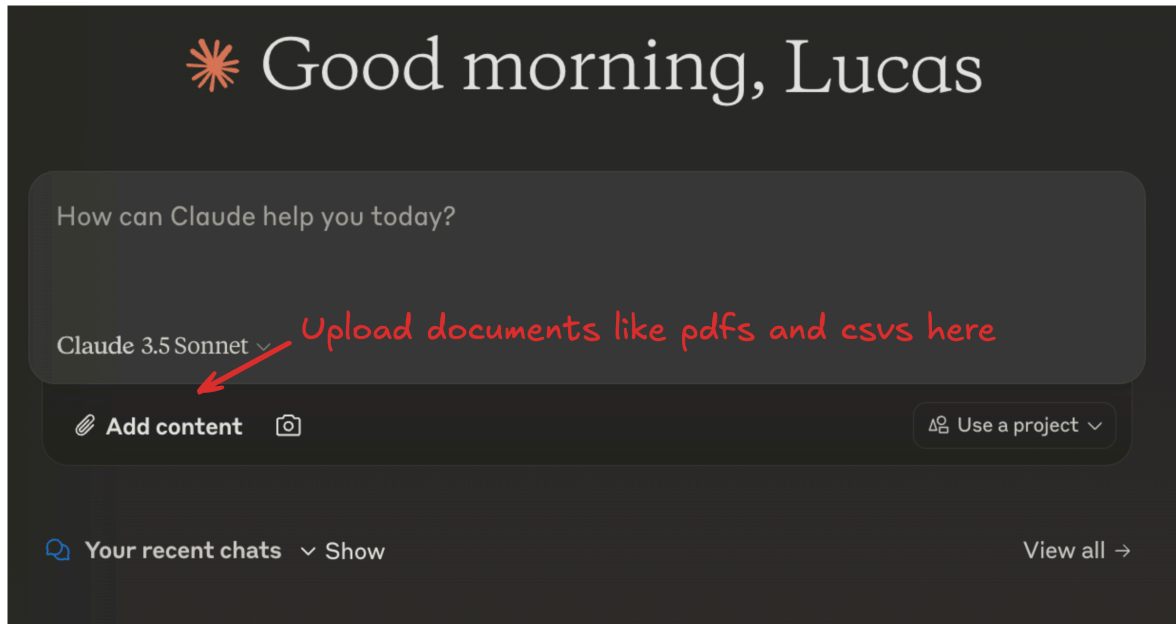
- Interacting with documents



# Capabilities

Claude with the chat interface can help with:

- Interacting with documents



- *No image generation or web browsing on the standard interface*



# Text and Code Generation

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# Text and Code Generation

- Adhere to brand voice for customer-facing experiences
- Create production-level code
- Operate within complex codebases
- Automatic translation between languages
- Complex financial forecasts
- Legal use cases requiring high-quality technical analysis

[Claude 3.5 Sonnet results from Jun 2024](#)

# Vision Capabilities

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- Process and analyze visual input



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- Extract insights from charts and graphs

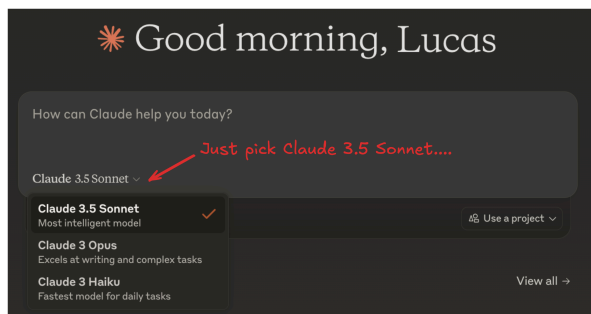
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- Extract insights from charts and graphs
- Generate code from images
- Describe images for users with low vision

# Model Options: Claude 3 Family



## Opus

- Strong performance on highly complex tasks
- Math and coding
- R&D, brainstorming
- Strategy, advanced analysis

## Sonnet

- Balances intelligence and speed
- High-throughput tasks
- Sales forecasting
- Code generation
- Live support chat

## Haiku

- Near-instant responsiveness
- Human-like interactions
- Content moderation
- Extracting knowledge from unstructured data

# Claude 3.5 Sonnet

- Most intelligent model
- Combines top-tier performance with improved speed
- Currently the only model in the Claude 3.5 family

	Claude 3.5 Sonnet	Claude 3 Opus	GPT-4o	Gemini 1.5 Pro	Llama-400b (early snapshot)
Graduate level reasoning <i>GPQA, Diamond</i>	<b>59.4%*</b> 0-shot CoT	<b>50.4%</b> 0-shot CoT	<b>53.6%</b> 0-shot CoT	—	—
Undergraduate level knowledge <i>MMLU</i>	<b>88.7%**</b> 5-shot	<b>86.8%</b> 5-shot	—	<b>85.9%</b> 5-shot	<b>86.1%</b> 5-shot
	<b>88.3%</b> 0-shot CoT	<b>85.7%</b> 0-shot CoT	<b>88.7%</b> 0-shot CoT	—	—
Code <i>HumanEval</i>	<b>92.0%</b> 0-shot	<b>84.9%</b> 0-shot	<b>90.2%</b> 0-shot	<b>84.1%</b> 0-shot	<b>84.1%</b> 0-shot
Multilingual math <i>MGSM</i>	<b>91.6%</b> 0-shot CoT	<b>90.7%</b> 0-shot CoT	<b>90.5%</b> 0-shot CoT	<b>87.5%</b> 8-shot	—
Reasoning over text <i>DROP, F1 score</i>	<b>87.1</b> 3-shot	<b>83.1</b> 3-shot	<b>83.4</b> 3-shot	<b>74.9</b> Variable shots	<b>83.5</b> 3-shot Pre-trained model
Mixed evaluations <i>BIG-Bench-Hard</i>	<b>93.1%</b> 3-shot CoT	<b>86.8%</b> 3-shot CoT	—	<b>89.2%</b> 3-shot CoT	<b>85.3%</b> 3-shot CoT Pre-trained model
Math problem-solving <i>MATH</i>	<b>71.1%</b> 0-shot CoT	<b>60.1%</b> 0-shot CoT	<b>76.6%</b> 0-shot CoT	<b>67.7%</b> 4-shot	<b>57.8%</b> 4-shot CoT
Grade school math <i>GSM8K</i>	<b>96.4%</b> 0-shot CoT	<b>95.0%</b> 0-shot CoT	—	<b>90.8%</b> 11-shot	<b>94.1%</b> 8-shot CoT

\* Claude 3.5 Sonnet scores 67.2% on 5-shot CoT GPQA with maj@32

\*\* Claude 3.5 Sonnet scores 90.4% on MMLU with 5-shot CoT prompting

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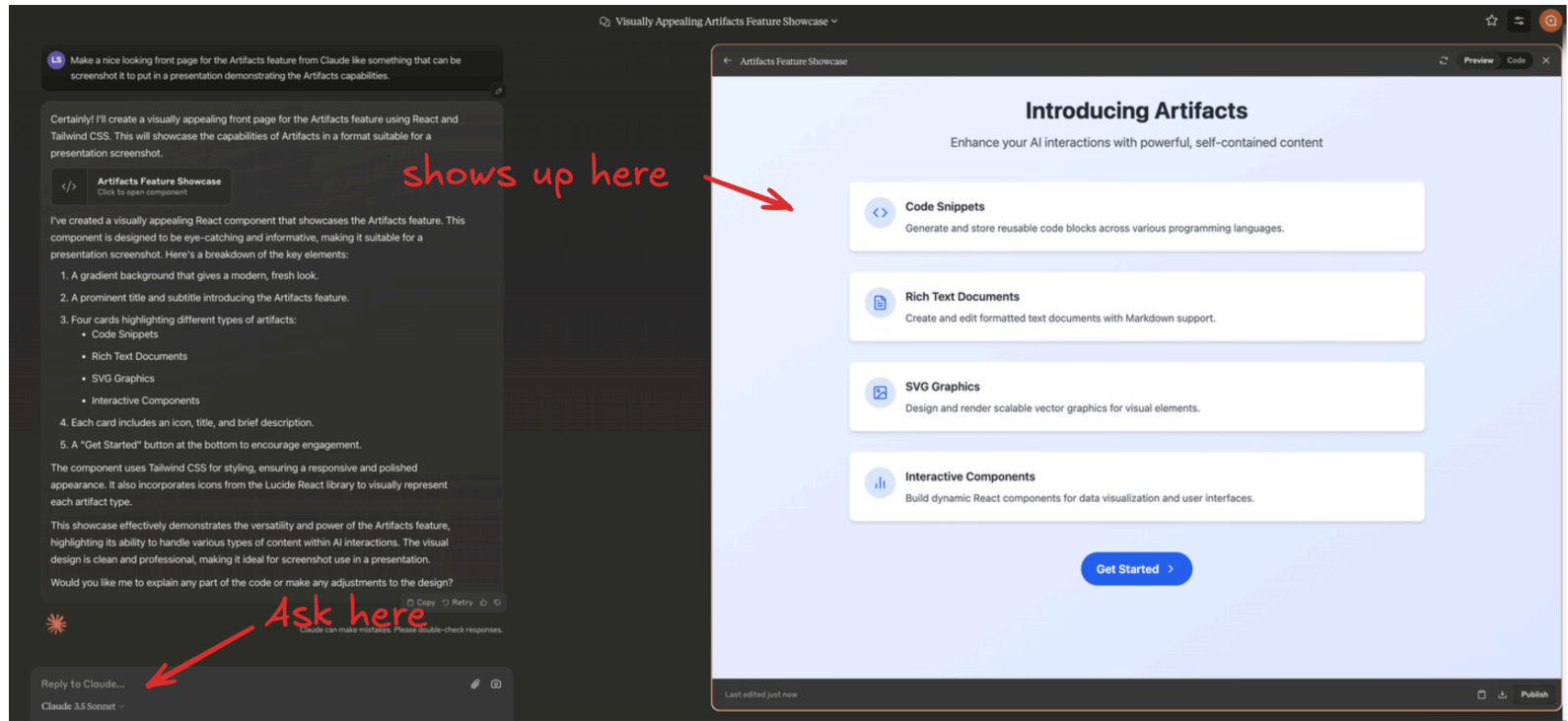


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- Complex problem-solving
- Sophisticated language understanding and generation
- High-level strategic planning

# Claude Demo

# What is Artifacts?



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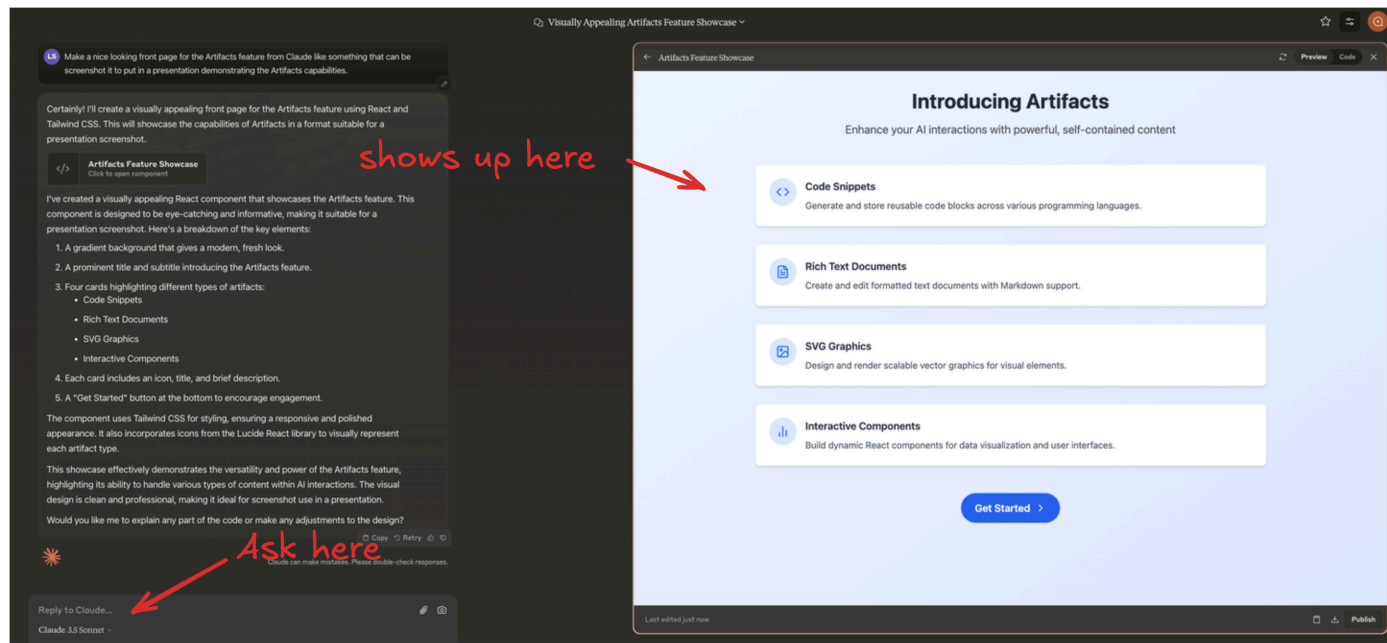
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- Dedicated windows displaying substantial, standalone content
- Interactive, editable outputs separate from the main conversation
- Represent Claude's evolution into a collaborative work environment



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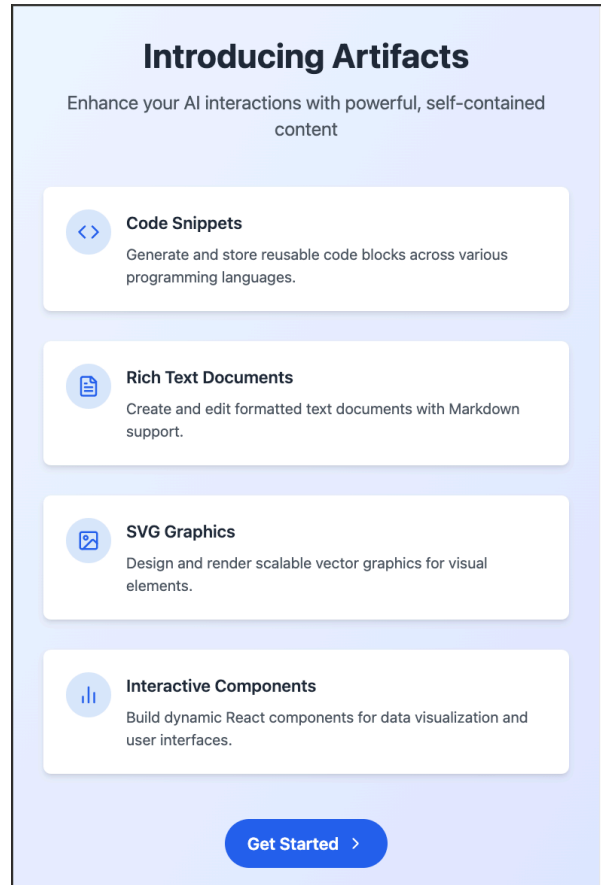
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- Content likely to be edited, iterated on, or reused
- Complex pieces that stand on their own
- Intended for reference or future use

# Types of Artifact Content



Generated with Artifacts

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- Documents (Markdown or Plain Text)

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- Interactive React components (means you can prototype real apps)

# Artifacts Demo

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5. Edit code, view preview, or ask Claude for changes
6. Switch between Artifacts using chat controls



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- Access previous versions using the version selector

# Saving and Exporting Artifacts

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- Download as file

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- Save to projects (for better organization)



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- Access version history
- Save to projects (for better organization)
- Team sharing (for Claude Team users)

# Artifacts vs. Regular Chat Responses

## Regular Responses:

- Inline text
- Primarily text
- Static
- Typically shorter
- Limited visualization

## Artifacts:

- Dedicated window
- Multiple formats
- Fully editable
- Larger, complex content
- Rich visualization options

# Integration with Projects

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- Share in Project's activity feed
- Manage complex, long-term projects efficiently

**Thank you!**

Q&A



