



AI Image Caption Generator API Documentation

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Overview

The Image Caption Generator API allows developers to upload an image and receive a human-like description of what is shown in the image.

This is useful for:

- Accessibility (alt-text for visually impaired users)
- Social media captioning
- E-commerce product tagging
- Automatic metadata generation

Authentication

This API uses **Bearer Token Authentication**.

Include your API key in the header:

Authorization: Bearer YOUR_API_KEY

API Endpoint

Method	Endpoint
POST	https://api.lesliewrites.tech/v1/caption

Request Format

Headers

Key	Value
Authorization	Bearer YOUR_API_KEY
Content-Type	multipart/form-data

Body (Form Data)

Field	Type	Required	Description
image_file	File	<input checked="" type="checkbox"/> Yes	The image file (JPEG, PNG)
language	String	<input type="checkbox"/> No	Default = "en"

✓ Example Request (cURL)

```
curl -X POST "https://api.lesliewrites.tech/v1/caption" \
-H "Authorization: Bearer YOUR_API_KEY" \
-F "image_file=@/Users/leslie/Desktop/cat.png"
```

🚩 Response Example (Success - 200 OK)

```
{
  "caption": "A small ginger cat sleeping on a windowsill.",
  "confidence": 0.93,
  "language": "en"
}
```

⚠ Error Responses

Status Code	Meaning	Example Response
-----	-----	-----
400 Bad Request	No image uploaded	{ "error": "image_file is required" }
401 Unauthorized	Missing or wrong API key	{ "error": "Invalid API token" }
415 Unsupported Media	Wrong file type	{ "error": "Only JPEG and PNG allowed" }
500 Server Error	API failed	{ "error": "Unexpected error" }

💡 Best Practices

- ✓ Use high-quality images
- ✓ Resize to max 5MB for speed
- ✓ Provide alternative text fallback if API fails
- ✓ Never expose your API key in front-end code

📎 Future Features

Multi-language captions (French, German, Japanese)

Object detection (identify items in the image)

Emotion-based captioning for human faces