



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	Yes	The image file (JPEG, PNG)
language	String	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 "image_file is required"	`{ "error": "image_file is required" }`
401 Unauthorized	Missing or wrong API key "API token"	`{ "error": "Invalid API token" }`
415 Unsupported Media	Wrong file type "JPEG and PNG allowed"	`{ "error": "Only JPEG and PNG allowed" }`
500 Server Error	API failed "Unexpected error"	`{ "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