

LiteLLM Installation & Setup

Getting Started with Universal LLM Integration

Universal Interface: Single API for 100+ LLM providers

OpenAI Compatible: Drop-in replacement for OpenAI SDK

Cost Tracking: Built-in usage and cost monitoring

Error Handling: Automatic retries and fallbacks

Step 1

Step 2

Step 3

Step 4

Step 1: Installation

```
# Install LiteLLM using pip
$ pip install litellm

# Or with additional proxy dependencies
$ pip install 'litellm[proxy]'

# Verify installation
$ python -c "import litellm; print(litellm.__version__)"
```

Step 2: API Key Configuration

Option A: Environment Variables (Recommended)

```
# For OpenAI
export OPENAI_API_KEY="your-openai-key"

# For Anthropic
export ANTHROPIC_API_KEY="your-anthropic-key"
```

Option B: Python Configuration

```
import litellm
import os

# Set in code (not for production)
litellm.api_key = "your-openai-key"

# Better: Read from environment
litellm.api_key = os.getenv("OPENAI_API_KEY")
```

Step 3: Basic Import & Setup

```
# Import LiteLLM
from litellm import completion

# Basic completion call
response = completion(
    model="gpt-3.5-turbo",
    messages=[{
        "role": "user",
        "content": "Hello!"
    }]
)

print(response.choices[0].message.content)
```

Step 4: Quick Verification

```
# 🚀 Quick test script
from litellm import completion

try:
    response = completion(
        model="gpt-3.5-turbo",
        messages=[{"role": "user", "content": "Say hello!"}],
        max_tokens=10
    )
    print("✅ Setup successful!")
    print(f"Response: {response.choices[0].message.content}")
except Exception as e:
    print(f"❌ Setup error: {e}")
```