CORSEN AI Academy

Chat Completions: Mastering the API

Course syllabus

Version 2026-11

Overview

Deep dive into the Chat Completions API: streaming, multi-turn conversations, roles, stop sequences, guardrails, and advanced sampling parameters.

Learning objectives

- Call the /v1/chat/completions endpoint and interpret the response as well as usage counters
- Implement SSE streaming in Python to display responses as they are generated
- Control model output with stop sequences, safe prompt, and guardrails
- Write effective system prompts and few-shot examples directly via the API
- Adjust temperature, top-p, and presence/frequency penalties to stabilize a service in production

Audience and prerequisites

Developers, engineers, and integrators looking to leverage Mistral AI via API in their applications.

Ability to read Python and JSON, command line basics. A Mistral AI Studio API key to try the examples.

Duration and format

Estimated duration : 1 h 45 min. 100% online self-paced course, accessible 24/7 from a browser. Progress saved, resume anytime. Estimated duration: 1 h 45 min.

Content

- API Fundamentals (4 lessons)
- Streaming and Performance (4 lessons)
- Prompting for the API (4 lessons)
- Advanced Parameters (4 lessons)

Assessment

Practice exercises provided throughout the lessons. Each lesson ends with its Key takeaways to support self-assessment. A final quiz of 5 corrected questions at the end of the last lesson validates acquired skills.

Accessibility

Self-paced course accessible to people with disabilities: text content compatible with screen readers, keyboard navigation, and compliant contrasts. For any accommodation needs, email hello@corsen.ai.

Price and recognition

Free

Certificate of completion issued by Corsen AI.

Access time

Immediate after account creation and email confirmation.

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