CORSEN AI Academy

AI Reasoning with Mistral: reasoning_effort, Small 4 and Large 4

Course syllabus

Version 2026-11

Overview

Mistral reasoning in 2026: reasoning_effort on Mistral Small 4 and Large 4, reading thinking chunks, agents and conversations, migration from Magistral (retired), and practical cases in math, code, and decision-making.

Learning objectives

- Set the reasoning_effort parameter to adjust reasoning depth to the actual need
- Interpret the thinking chunks of a response and leverage them in an agent or conversation
- Apply step-by-step reasoning to solving mathematical problems and debugging
- Arbitrate between adjustable reasoning and native reasoning based on cost and targeted task
- Migrate an application built on Magistral to Mistral Small 4 and Medium 3.5

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 30 min. 100% online self-paced course, accessible 24/7 from a browser. Progress saved, resume anytime. Estimated duration: 1 h 30 min.

Content

- Adjustable reasoning (4 lessons)
- Models, prompts and migration (4 lessons)
- Use cases and practice (4 lessons)

Assessment

Application exercises proposed throughout the lessons. Each lesson ends with its key takeaways, supporting self-assessment. A final quiz of 5 corrected questions, at the end of the last lesson, validates acquired skills.

Accessibility

Course accessible to people with disabilities: text content compatible with screen readers, keyboard navigation, and compliant contrasts. For any adaptation 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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