CORSEN AI Academy

MCP for Developers: Servers and Integrations

Course syllabus

Version 2026-11

Overview

Implement the Model Context Protocol with STDIO and SSE servers, OAuth authentication, RunContext, and custom MCP server creation.

Learning objectives

- Configure a local MCP server in STDIO and connect it to a Mistral agent
- Distinguish tools, resources, and prompts to structure the capabilities exposed by an MCP server
- Secure a remote MCP server in SSE with OAuth 2.0 authentication
- Implement custom tools with their JSON Schema and handlers
- Deploy a custom MCP server in production and integrate it into Le Chat

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

- MCP Protocol (3 lessons)
- MCP Local (STDIO) (3 lessons)
- MCP Remote (SSE and OAuth) (3 lessons)
- Create a Custom MCP Server (4 lessons)
- Conclusion (1 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 learning.

Accessibility

Self-paced 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.

Corsen AI — Paris, France — SIRET 10297040700015
academy@corsen.ai — https://academy.corsen.ai