Integrated Tools: Web, X, Code

Course syllabus

Version 2026-11

Overview

Use Grok's native tools (Web Search, X Search, Code Execution) server-side: activation, filtering, costs, and concrete use cases.

Learning objectives

- Activate Web Search, X Search, and Code Execution server-side via the Grok API
- Restrict a search by domains, X handles, or date ranges to ensure source reliability
- Leverage automatic citations to make a response verifiable by the end user
- Execute Python code in the sandbox respecting its security constraints and libraries
- Estimate the cost of a tool call and arbitrate between integrated tools and custom implementation

Audience and prerequisites

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

Ability to read Python and JSON, command line basics. An API key from the xAI console to try the examples.

Duration and format

Estimated duration : 1 h 15 min. 100% online self-paced course, accessible 24/7 from a browser. Progress saved, resume anytime. Estimated duration: 1 h 15 min.

Content

- Overview (3 lessons)
- Web Search (4 lessons)
- X Search (4 lessons)
- Code Execution (5 lessons)

Assessment

Practice exercises offered 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.

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