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Codex CLI with All in One AI: creating config.toml, the key and the model

All in One AI

CODE	VERSION	COUNTRY · LANGUAGE
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Codex CLI with All in One AI: creating config.toml, the key and the model

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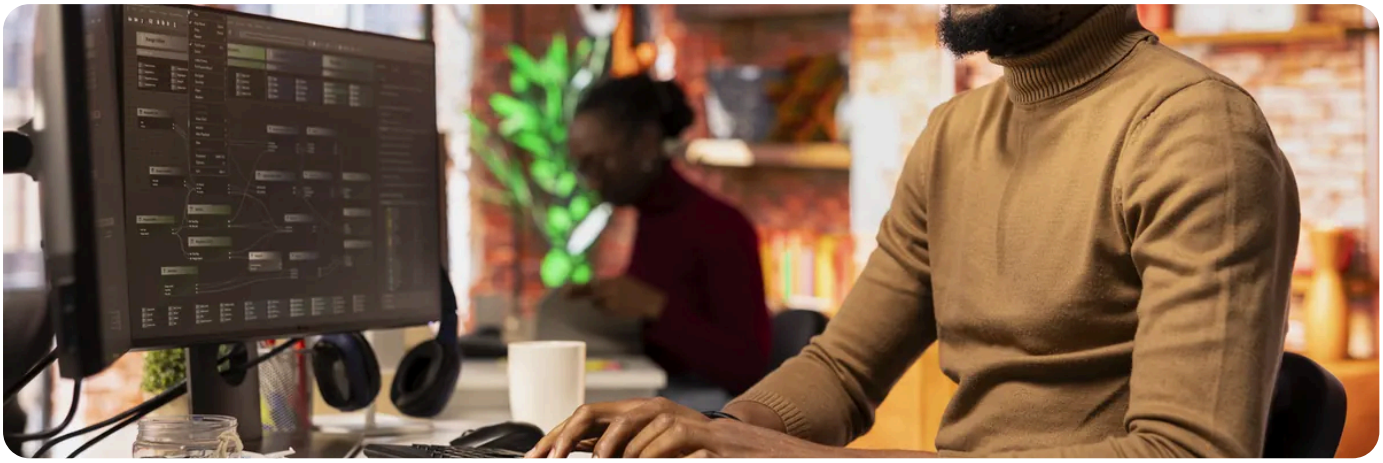

Codex CLI is OpenAI's terminal coding agent. It speaks the Responses format, which our API also accepts, so it works with All in One AI models. Its configuration is a TOML file with your own provider. This article creates it from scratch.

Before you start

1. Create a key in the **API Center** with the `ai:read` and `ai:write` permissions. Use a `sandbox_` key to check the setup without spending and a `prod_` key to work. The fields are explained in **creating an API key**.
2. Have AI credits or an active Coding Plan in **All in One AI**.
3. Install Codex CLI. One way from the official README: `npm install -g @openai/codex`.

1. Keep the key in a variable

On Windows, open Command Prompt or PowerShell and type (with your key in quotes):

```
setx INTERWEB_API_KEY "prod_..."
```

`setx` saves the variable for the windows you open **afterwards**. Close the terminal and the tool, then open them again.

On Linux and macOS, type in the terminal:

```
export INTERWEB_API_KEY="prod_..."
```

To have the variable in every new terminal, add the same line at the end of `~/.bashrc` or `~/.zshrc`.

2. Create the folder and the file

System	File
Linux and macOS	`~/.codex/config.toml`
Windows	`%USERPROFILE%\.codex\config.toml`

On Linux and macOS:

```
mkdir -p ~/.codex
nano ~/.codex/config.toml
```

On Windows, in PowerShell:

```
New-Item -ItemType Directory -Force "$HOME\.codex"
notepad "$HOME\.codex\config.toml"
```

Notepad asks whether to create the file: answer yes. That way the name is exact. If you use **Save as**, choose **All files (*.*)** as the type: otherwise Windows adds `.txt` and the file becomes `config.toml.txt`, which the tool does not read. Windows hides that ending. To check, type `dir` in the same folder: the name must end in `.toml`.

3. Paste the configuration and save

```
model = "moonshotai/kimi-k2.7-code"
model_provider = "api"

[model_providers.api]
name = "Interweb"
base_url = "https://api.interweb.co.mz/v1"
env_key = "INTERWEB_API_KEY"
wire_api = "responses"
```

If the file already had other settings, put the `model` and `model_provider` lines at the top, before the first `[...]`. In TOML, whatever comes after a table goes inside it.

Field	What it does
`model`	The starting model, with the catalogue id.
`model_provider`	The provider to use. It must match the name in `[model_providers.api]`.
`base_url`	Our address, with `/v1`.
`env_key`	The **name** of the variable that holds the key. Codex reads it at startup.

Field	What it does
`wire_api`	`"responses"` is the only value Codex accepts.

The provider id (`api`) can have another name, but not `openai` , `ollama` or `lmstudio` , which are reserved. The provider is only set in this user file: a project's `.codex/config.toml` cannot change it.

4. Open Codex and check

```
codex
```

Open a new terminal, go to the project folder and type `codex` . Say "hello". With a `sandbox_` key, the answer is always "Resposta de teste (sandbox).". Then set the variable to the `prod_` key and open a new terminal.

Another model

Codex uses the model written in `model` . For another one in a single session: `codex -m zai-org/glm-5.2` . To change it for good, edit `model` in the file. Use the catalogue id exactly as it is, and a model that supports tools:

Model	Context	What for
`moonshotai/kimi-k2.7-code`	262,144 tokens	Built for coding: the starting point for everyday work.
`deepseek-ai/deepseek-v4-pro`	1,048,576 tokens	Strong reasoning, for big changes and hard bugs.
`zai-org/glm-5.2`	1,048,576 tokens	Made for agents: handles tools well in long tasks.
`deepseek-ai/deepseek-v4-flash`	1,048,576 tokens	Fast and cheap, for background tasks and short questions.

The ids are in the Models tab of **All in One AI** or in the API list. On Linux and macOS:

```
curl "https://api.interweb.co.mz/v1/models?type=text" -H "Authorization: Bearer $INTERWEB_API_KEY"
```

In Windows PowerShell:

```
curl.exe "https://api.interweb.co.mz/v1/models?type=text" -H "Authorization: Bearer $env:INTERWEB_API_KEY"
```

Each model comes with its `id` (always with the slash), its `context_length` and its price in `pricing` . Listing the models spends no credits.

Each response is kept for 30 days, so Codex can carry on the conversation. To add images, video and voice to Codex, see **the All in One AI MCP server**. If something fails, see **the most common errors**.

RECOMMENDED

Want to code with AI in Codex? Visit the Coding with AI page.

See Coding with AI →

SEE ALSO

- **Errors when setting up a tool with All in One AI: 401, model not found, no credits, /v1 and rejected config files**
- **The All in One AI MCP server: images, video and voice inside Claude Code, Codex and ChatGPT**
- **Which coding tool to use with All in One AI: OpenCode, Claude Code, Codex, Cursor, Cline, Kilo Code or Aider**
- **Coding Plan: which plan to choose, what it costs and how to subscribe**
- **Coding with AI in All in One AI**

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