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Errors in Codex CLI: the OpenAI format and the code field

Codex CLI

CODE	VERSION	COUNTRY · LANGUAGE
RLX-INT-KB-9510	v2026.11.28	International · English

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Errors in Codex CLI: the OpenAI format and the code field

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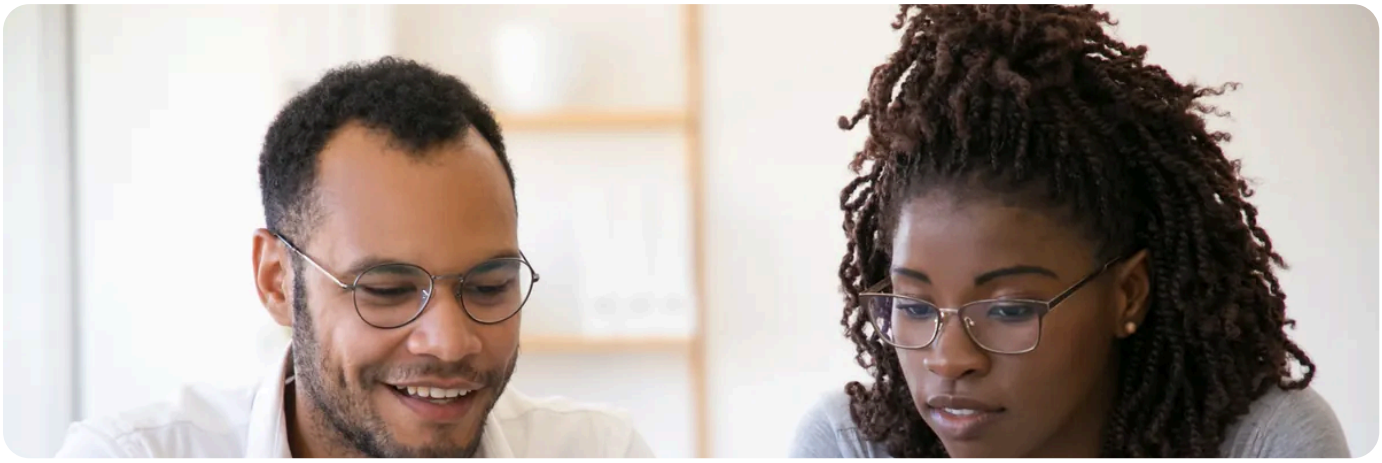

In Codex, API errors arrive in the OpenAI format, because Codex uses the Responses format. What matters is the `code` field: it is the same code our API uses everywhere.

What an error looks like

The error comes inside an `error` object, with four fields:

Field	What it is
`message`	Text for people. It can change: do not compare against it.
`type`	The error type, in the OpenAI style.
`param`	The request field with the problem, when it applies.
`code`	The stable code, such as `unauthorized` or `insufficient_credits`. This is the one to read.

The codes you see most

Status	code	What to do
`401`	`unauthorized`	The key is missing or wrong, or Codex did not read the `env_key` variable. Open a new terminal and start Codex again.
`402`	`insufficient_credits`	The credits do not cover the reservation. Nothing was charged. Buy credits.
`403`	`insufficient_scope`	The key does not have `ai:write`. Create one with `ai:read` and `ai:write`.

Status	code	What to do
403	account_*	The All in One AI account is not active. Open **All in One AI** and check the account status.
404	model_not_found	The model id is wrong or incomplete. Use the id with the slash, as it comes in `GET /v1/models`.
404	not_found	`base_url` is wrong, nearly always missing `/v1` at the end.
429	plan_limit_reached	The plan points ran out and the request cannot be paid with credits. Wait for the reset or turn on "Use credits when the plan runs out".
429	rate_limited	Too many requests per minute with this key. Wait the seconds in `Retry-After`.
502	upstream_error	The AI service did not respond as expected. Try again shortly or choose another model.

Codex retries on its own

According to the Codex documentation, the provider retries HTTP requests up to 4 times (`request_max_retries`) and resumes answers cut off midway up to 5 times (`stream_max_retries`). You can change these values in the provider block:

```
[model_providers.api]
# ... the lines you already have ...
request_max_retries = 4
stream_max_retries = 5
```

The same error in other tools

In Claude Code, the same errors arrive in the Anthropic format, with the same message. In other API requests, they come in the API's own format, with `code` , `message` , `correlation_id` and `details` . The `code` is always the same.

The errors of each tool are gathered in **errors when setting up a tool with All in One AI**.

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
- env_key in Codex: how it reads your key from an environment variable
- Which models to use in Codex CLI: Kimi K2.7 Code, DeepSeek V4 Pro, GLM 5.2 and others
- API request limits: per key, per account and per task, the headers and what to do after a 429
- Coding with AI in All in One AI

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