THE OPEN DICTIONARY

A blazingly-fast, portable dictionary format for everyone 🚀

We have a lot of ground to cover.

I'm Tyler, a programmer from the U.S. and the co-founder of Linguistic,

an online platform for AI-driven digital language immersion.

At Linguistic, we never wanted to settle for translations.

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Dictionaries are a language learner's best friend.

Apple dictionaries?

TEI?

DICT?

OntoLex?

SQLite?

~~Apple dictionaries~~ → *Closed format*

~~TEI~~ → *Plain text*

~~DICT~~ → *HTML-based*

~~OntoLex~~ → *No offline support*

~~SQLite~~ → *Too much overhead*

What is ODict?

- The Open Dictionary Project, or ODict, is an **offline-first, open-source dictionary file format and command-line tool**

- ODict allows you to manage dictionaries from the terminal *or* programmatically via official libraries

- ODict prioritizes speed, readability, size, and portability

```
~/Documents

❯ odict lookup eng.odict "hello"
_____

hello
_____

interjection

    1. A greeting
        • All programmers greet each other by

✨ Completed in 422.914042ms
```

What *isn't* ODict?

ODict is <u>not</u>:

✖

Attempting to match the robustness
of TEI or similar formats

✖

Attempting to create linked data
trees like Lemon or OntoLex

Your demo awaits.

The Future

```
       Elements    Console    Sources    Network    Performance    Mer

   top ▼    👁    Filter

▼etymologies: Array(3)
   ▶0: {description: 'From Middle English dogge (whence also Sc
   ▼1:
       description: "From Middle English dogge (whence also Scot
       ▼usages:
          ▼v:
             ▼definitions: Array(7)
                ▶0: {value: '(transitive) To pursue with the intent
                ▶1: {value: '(transitive) To follow in an annoying o
                ▶2: {value: '(transitive, nautical) To fasten a hatcl
                ▶3: {value: '(intransitive, emerging usage in Britair
                ▶4: {value: '(intransitive, transitive) To intentiona
```
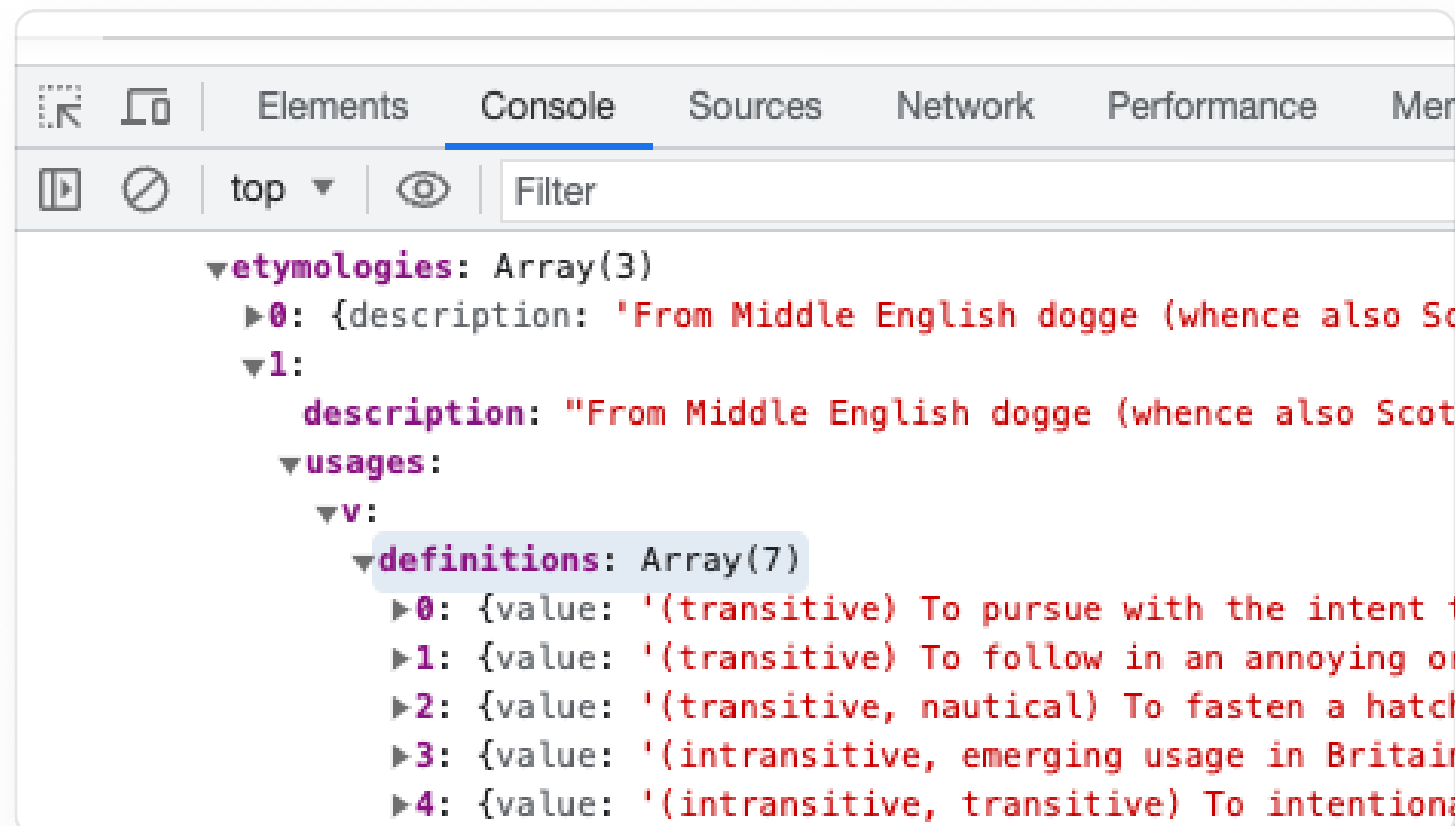
WASM support

Online web portal

Support for other markup languages?

Distributed binaries

Greater (programming) language support

Questions?