

API

The JSON API

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The read-only JSON API over the verbatim corpus: what it promises, its 29 routes in five bounded contexts, the two surfaces (/api and /api/v1), caching, and a console to try any route live.

<https://docs.gurbanisoul.com/api/>

A read-only JSON API over the verbatim corpus, served by a Python standard-library server (`webapp/serve.py`) from a database opened read-only and immutable. Every scripture line comes back exactly as printed with its Ang; English is a separate, labelled layer; nothing is ever written.

Quickstart

your first calls in five minutes: an Ang, a search, a verification, a composition, citing, errors and caching

Using the API

what you can rely on, what is not promised, being a good client, and what you owe the text

API routes

every route, its bounded context, parameters and cache policy — **generated from the code**

API reference

the full reference with response schemas, generated from `contract/openapi.json`

Contract and OpenAPI

how the spec and the golden vectors are produced from real responses and enforced

Error reference

every error on both surfaces, and the requests that are clamped instead — **generated by calling the server**

Versioning and caching

/api vs /api/v1, errors, request ids, caching and ETags, the X-Service header

API changelog

what changed for a client, release by release

Try any route

Interactive on the web: a console for trying any API route.

What every response promises

- **Verbatim text.** gurmukhi is the line as printed, dandas and markers included; cite it as *Sri Guru Granth Sahib Ji · Ang N* (ang is on every line).
- **Labelled layers.** translit is a reading aid; en is Dr. Sant Singh Khalsa's translation via ShabadOS, attached to a line and never blended into the Gurmukhi.
- **Read-only, bounded.** Every integer parameter is clamped (`_int()`); limit and offset have ceilings; a claim or a query has a maximum length. There is no write route.
- **The same under `/api/v1`.** Every path is also served under `/api/v1/...` with the same body and strict error semantics.
- **Security headers on every response,** a request id you can quote, and a header naming the service that answered — see Versioning and caching.

Where a route lives

The routes are owned by five bounded contexts — reader, search, verify, insights, knowledge — each of which opens only the tables it needs. On staging each context runs as its own function behind the gateway; production (v1.3.10 and 1.4.0) serves them all from one function, all, until a later release, after the app is live. A client never sees the difference except in X-Service.

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