

RankVision SEO Intelligence API – OpenAPI 3.1 Documentation

Purpose: Automate SEO analysis, keyword discovery, competitor tracking, content scoring, and backlink profiling via a modern RESTful API.

Optimized For: Enterprise-level SEO teams, technical content engineers, growth marketers, and platform-level integration at scale.

High-Ranking Keywords Integrated:

- SEO API
 - Keyword research automation
 - Backlink analysis API
 - SERP tracking endpoint
 - Technical SEO RESTful API
 - OpenAPI SEO tool
 - Swagger UI SEO service
 - Content audit API
 - AI-powered SEO analytics
 - SEO for enterprise applications
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Latest 2025 Updates Included

- Support for Google's **Search Generative Experience (SGE) snippets**
- Real-time data via **Google Search Console integration**
- **Core Web Vitals** scoring endpoint
- **Generative AI** content alignment checker

- OAuth 2.1 and JWT support for multi-tenant SaaS
 - New LLM-Semantics scoring engine (Q2 2025 release)
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Info

openapi: 3.1.0

info:

title: RankVision SEO Intelligence API

description: >

RankVision is an enterprise-grade SEO API designed for large-scale keyword intelligence, real-time SERP tracking,

backlink audits, content health scoring, and AI-augmented semantic insights. Built for technical SEOs, marketing engineers,

and growth hackers integrating SEO at the platform level.

version: "2025.2.3"

termsOfService: <https://rankvision.ai/terms>

contact:

name: RankVision DevRel Team

url: <https://rankvision.ai/developers>

email: dev@rankvision.ai

license:

name: MIT License

url: <https://opensource.org/licenses/MIT>

servers:

- url: <https://api.rankvision.ai/v1>

description: Production

- url: <https://sandbox.rankvision.ai>

description: Sandbox Testing Environment

Authentication

RankVision uses **OAuth 2.1** (Authorization Code Grant) with **JWT** bearer tokens.

components:

securitySchemes:

OAuth2:

type: oauth2

flows:

authorizationCode:

authorizationUrl: <https://auth.rankvision.ai/oauth2/authorize>

tokenUrl: <https://auth.rankvision.ai/oauth2/token>

scopes:

seo.read: Read-only access to SEO insights

seo.write: Modify SEO configurations

security:

- OAuth2:

- seo.read

Tags

tags:

- name: Keywords

description: Keyword research, suggestions, clustering

- name: SERP

description: Live SERP tracking & competitor analysis

- name: Backlinks

description: Backlink domain explorer & page-level link data

- name: Content

description: Content audits, NLP scoring, and AI alignment

- name: Performance

description: Core Web Vitals scoring & UX signals

Paths

/keywords/suggestions

get:

tags:

- Keywords

summary: Get keyword suggestions using AI + search data

description: |

Fetch long-tail keywords, related questions (People Also Ask), and trending queries.

Integrates GPT-NLU with Google Autocomplete and Search Console queries.

parameters:

- in: query

name: seed

required: true

schema:

type: string

description: Primary keyword seed (e.g., "enterprise SEO")

- in: query

name: country

schema:

type: string

default: "us"

description: Country code (ISO 3166-1)

responses:

'200':

description: Success – keyword list returned

content:

application/json:

schema:

\$ref: '#/components/schemas/KeywordSuggestions'

'400':

description: Invalid request

/serp/live

get:

tags:

- SERP

summary: Fetch real-time SERP snapshot

description: >

Get live SERP results including featured snippets, SGE (Search Generative Experience),

maps, top stories, and organic results.

parameters:

- in: query

name: query

required: true

schema:

type: string

description: Search query

- in: query

name: location

schema:

type: string

description: Geo-targeting location (city, zip, or GPS coordinates)

responses:

'200':

description: Live SERP data

content:

application/json:

schema:

\$ref: '#/components/schemas/SERPSnapshot'

/backlinks/domain

get:

tags:

- Backlinks

summary: Get backlink profile for a domain

description: |

Retrieve authoritative backlinks, anchor text distribution, referring domains, toxic link score, and follow/nofollow ratio.

parameters:

- in: query

name: domain

required: true

schema:

type: string

responses:

'200':

description: Backlink intelligence

content:

application/json:

schema:

\$ref: '#/components/schemas/BacklinkProfile'

/content/audit

post:

tags:

- Content

summary: Run content audit

description: >

Submit a page or raw HTML for semantic analysis, keyword density, readability, and LLM-readiness scoring.

requestBody:

required: true

content:

application/json:

schema:

\$ref: '#/components/schemas/AuditRequest'

responses:

'200':

description: Content audit results

content:

application/json:

schema:

\$ref: '#/components/schemas/ContentAudit'

/content/ai-score

post:

tags:

- Content

summary: Score content for LLM semantic alignment

description: >

Evaluate how well a document aligns with search engine AI models using embedding distance, topic vector coherence, and freshness metrics.

requestBody:

required: true

content:

application/json:

schema:

\$ref: '#/components/schemas/ContentScoringRequest'

responses:

'200':

description: LLM alignment score

content:

application/json:

schema:

\$ref: '#/components/schemas/AIScore'

/web/core-vitals

get:

tags:

- Performance

summary: Get Core Web Vitals metrics

description: >

Measure LCP, FID, CLS, and Total Blocking Time with Lighthouse 11.

parameters:

- in: query

name: url

required: true

schema:

type: string

responses:

'200':

description: Core Web Vitals results

content:

application/json:

schema:

\$ref: '#/components/schemas/CoreVitals'

Schemas

components:

schemas:

KeywordSuggestions:

type: object

properties:

seed:

type: string

suggestions:

type: array

items:

type: object

properties:

keyword:

type: string

volume:

type: integer

difficulty:

type: number

trend:

type: string

intent:

type: string

SERPSnapshot:

type: object

properties:

query:

type: string

location:

type: string

results:

type: array

items:

type: object

properties:

rank:

type: integer

title:

type: string

url:

type: string

snippet:

type: string

sgeSnippet:

type: string

BacklinkProfile:

type: object

properties:

domain:

type: string

totalLinks:

type: integer

referringDomains:

type: integer

authorityScore:

type: number

anchors:

type: array

items:

type: string

AuditRequest:

type: object

properties:

url:

type: string

html:

type: string

ContentAudit:

type: object

properties:

readabilityScore:

type: number

keywordDensity:

type: object

additionalProperties:

type: number

issues:

type: array

items:

type: string

ContentScoringRequest:

type: object

properties:

html:

type: string

AI Score:

type: object

properties:

semanticScore:

type: number

aiReadiness:

type: string

similarityToTopPages:

type: number

CoreVitals:

type: object

properties:

url:

type: string

lcp:

type: number

fid:

type: number

cls:

type: number

tbt:

type: number