

Current JSON API

JSON API (HTTPS)

- All product information in JSON format



Operating Principles

- It is possible to retrieve product information in JSON format that follows the GDSN data structure via the interface.

Challenges in the current setup

- Intended for synchronization of all product information in batches
- No possibility to set search criteria to filter results
- Data retrieval is split into two separate operations
- Retrieving packaging hierarchy is challenging

New JSON API based on HTTPS

HTTPS JSON API:

- All product data in JSON format

Benefits

- Enables filtering of retrieved data with search criteria
- Easier problem resolution
- Simplifies maintenance
- Better meets various usage needs

Solution proposal:

Authentication with API key, no separate login. Three separate interfaces:

/api/sdp/ – Retrieval of supplier's own product information

/api/rdp/ – Retrieval of received product information, making product information requests (queries), making one-time queries

/api/pp/ – Retrieval of public product information (marketplace API)

Changes in JSON Structure

Old JSON:

- Product information for each GTIN code is its own record
- Hierarchy relations only in one direction
 - For packages, information on what they contain
 - Lack of information on what hierarchies the GTINs are included in
- Unnecessarily multi-layered data structure

New JSON

- Product information for each GTIN code is its own record
- Hierarchy relations in two directions
 - For retail products, information on which packages they are included in
 - For packages, information on what they contain and what they are included in
- Data structure is simplified
- All the same information still available
- Easier to identify changes