



Alis Quality Intelligence Software

API documentation

Introduction

We help manufacturing companies to make their Quality Management Smart and omnipresent in the organization in the supply chain.

Application Integration is a very relevant aspect in connecting the organization and supply chain to the Quality processes. In order to standardize this integration we have developed an API (Application Programming Interface).

This document briefly describes the Alis API.

Before you start

The Alis API is designed for anyone who's comfortable creating custom-coded solutions or integrating with HTTP APIs (usually developers or software engineers). [Contact us](#) if you think you may need some help integrating with the Alis API.

Please note that only documented API features are supported. Further technical information about Alis can be found in our [Knowledge Base](#).

Pricing

Using the Alis API is free of charge.

Bi-directional

The Alis API allows for sending and retrieving data back and forth.

The Message Rules defined in Alis can be configured to call external webhooks. This enables active triggering of external processes by Alis events.

Technique

The Alis API uses **JSON** over **HTTPS GET/POST**

Authentication

The Alis API uses tokens for authentication (authToken).

All tokens are linked to exactly one user account. Every user account can have multiple tokens. Permissions for tokens are derived from the related user group.

The tokens are irreversible hashes, example: *b7e0829b5e1d443777a9e016f7c5a496*

Primary use cases

The primary use cases for the Alis API are:

- Master data management (update Articles, Customers, Suppliers) from ERP to Alis
- Manufacturing Order management (orders from ERP to Alis)
- Specification management (update Specifications in Alis from product/recipe management system)
- Quality Data download (QC data from Alis to ERP or reporting tools)
- Batch release (Batch release flag from Alis to ERP)

Example integrations

Real life use cases of the Alis API include integrations with

- ERP, MES, Traceability systems, PLM, Websites, LIMS, OEE sensors & instruments
- JDEdwards, Oracle, SAP, Exact, Navision, Dynamics, DeltaV, Websites, Access, Excel, Google Sheets

Documentation

Alis offers a dynamic API documentation in the application. This dynamic documentation describes all parameters and fields in great detail, including request and response examples.

Access the dynamic documentation for any analysis-set or selection lists by clicking the API documentation link in the More-links in a results overview.



This documentation is always up-to-date with the field in your analysis-sets and selection lists.

End points

The API currently supports these end points:

- **getSetDefinition**
Retrieve descriptive info on a form/table
- **getResult**
Retrieve master/transactional data in JSON-format
- **storeResults**
Write master/transactional data to Alis
- **getSpecificationVersion**
Retrieve current specification data in JSON-format
- **StoreSpecificationVersion**
Write new specification version to Alis

Please let us know if your integration is not supported by these end points.

Message Rule webhook invocation

The Message Rules defined in Alis can be configured to call external webhooks. This enables active triggering of external processes by Alis events.

New rule

Filter: None

Actions: **Entry** | Modification | Delete

Recipients: Users ▼ | Email addresses ▼

Signals: Alarm ▼ | **Web hook ▲**

Subject:

Message:

Existing rules

No existing rules

End point

Details

Method: HTTP(S) POST

Error reporting:

Post parameters

- action**
one of new, modify, delete
- results**
JSON representation of an array containing the result.
Conform `getResults` API operation return value.
[See getResult API documentation](#)
- subject**
Message rule subject
- message**
Message rule message text.
This can contain a JSON data structure.

Payload

The payload in the webhook invocation contains:

- Results: JSON result object
- Subject: string
- Message: string

Questions?

Feel free to [contact us](#).



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More information at [alis.nl/en](https://www.alis.nl/en)