

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. To standardize this integration, we have developed an API (Application Programming Interface).

This document briefly describes the AlisQI API.

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Before you start

The AlisQI API is designed for anyone who is 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 AlisQI API.

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

Pricing

Using the AlisQI API is free of charge.

Bi-directional

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

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

Technique

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

Authentication

The AlisQI 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 AlisQI API are:

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

Example integrations

Real life use cases of the AlisQI 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

AlisQI 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 AlisQI
- ⚙️ **getSpecificationVersion**
Retrieve current specification data in JSON-format
- ⚙️ **StoreSpecificationVersion**
Write new specification version to AlisQI

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

Message Rule webhook invocation

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

The screenshot shows the 'New rule' configuration interface. On the left, there are sections for 'Filter' (set to 'None'), 'Actions' (with buttons for 'Entry', 'Modification', and 'Delete'), 'Recipients' (with dropdowns for 'Users' and 'Email addresses'), 'Signals' (with a dropdown for 'Alarm'), 'Subject', and 'Message'. Below these is an 'Existing rules' section stating 'No existing rules'. The main configuration area is titled 'Web hook' and is expanded to show 'End point' (a text input field containing 'http://yourdomain.com/api/storeData') and 'Details'. The 'Details' section includes: 'Method' (HTTP(S) POST), 'Error reporting' (a text input field containing 'e-mail address'), and 'Post parameters' (action: ONE OF new, modify, delete; results: JSON representation of an array containing the result. Conform `getResult` 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](#).



AlisQI Quality Management Software

We help manufacturing companies to make their quality management smart and omnipresent in the organization and supply chain.

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