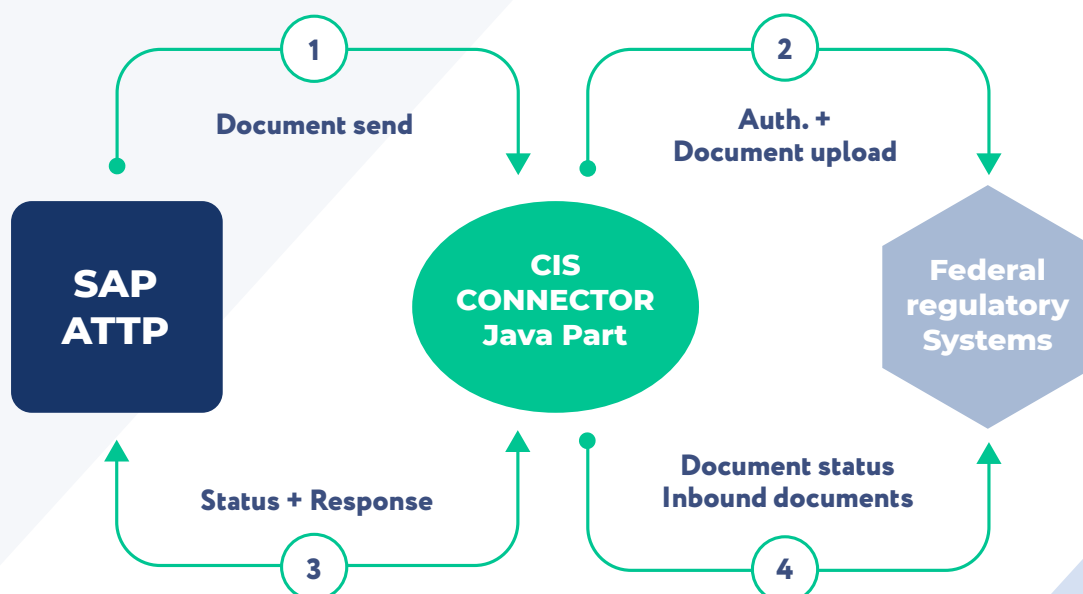# 3KEYS CIS Connector for SAP Advanced Track & Trace

3KEYS CIS Connector helps companies to fulfill the reporting requirements of different industries in selected CIS countries: Russia, Kazakhstan, and Uzbekistan for foreign and local manufacturers and importers.

The solution is available both on-premises and as a cloud version.

Depending on its version, the CIS Connector is the combination of pre-developed ABAP and Java programs or cloud-based middleware services, which are used to generate an electronic signature and transfer the reporting messages from SAP Advanced Track & Trace Pharmaceuticals (SAP ATTP) to the government systems using a secure connection with differ encryption requirements (GOST TLS, etc.).

WHY IS THE CONNECTOR NEEDED?

The 3KEYS CIS Connector enables bi-directional (inbound and outbound) integration between SAP ATTP and government systems in a fully automated mode without user interaction.

1 Document send

2 Auth. + Document upload

SAP ATTP

CIS CONNECTOR Java Part

Federal regulatory Systems

3 Status + Response
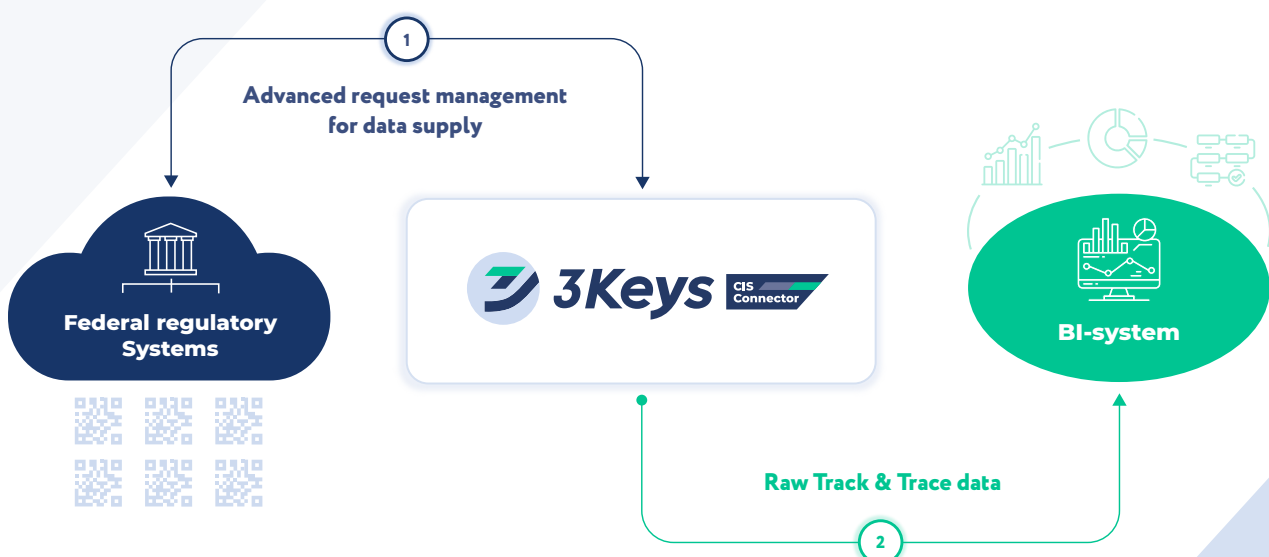
4 Document status Inbound documents

BENEFITS OF THE 3KEYS CIS CONNECTOR

- Implements fully featured communication & authentication layer, security features (document signature, certified based authentication) required by the regulator

- Provide Digital signature functionality via CryptoPro JCP (Russia) / NCALayer (Kazakhstan) / E-Imzo (Uzbekistan) libraries or another certified cryptographic provider

- Build-in sequence checks to avoid sending messages in the wrong sequence or for serial numbers in the incorrect status

- User-friendly monitoring transactions with the ability to navigate into ATTP standard cockpit, audit log, and message troubleshooting features (getting message content, message processing response, message resending, etc.)

- Automatic message sending or after manual approval.

- Poll reporting systems for processing status of sent outbound reports

- Poll reporting systems for new inbound messages and downloads them into ATTP

- Build-in authorization concept allows the creation of different user roles

- New ATTP rules to create message content for messages not delivered with SAP standard

ANALYTICS FUNCTIONALITY

The expected T&T data availability from some government repositories allowed 3KEYS to add an analytics-related functionality to 3KEYS Connector CIS and support it with consultancy.
Now T&T data can talk business.

Advanced request management for data supply

Federal regulatory Systems

3Keys CIS Connector

BI-system

Raw Track & Trace data

HOW IS THE 3KEYS CIS CONNECTOR VALIDATED?

The 3KEYS CIS Connector is developed in line with best practices of computerized system validation (CSV).

3KEYS CIS CONNECTOR SECURITY

- The solution is secured, proven, and validated by an external independent professional company.

- It has been proven that there is no possibility to bypass the access control list and gain unauthorized access to API for the legitimate clients of the Connector Cloud.

- The overall security level has been evaluated as high.

- Additional client-side middleware (such as SAP PO) and security mechanisms (Gateways, Firewalls, Proxies) can be used.

HOW TO MIGRATE FROM CONNECTOR TO SAP STANDARD IF NEEDED?

The 3KEYS CIS Connector will be delivered as SAP Add-on and can be uninstalled in case the customer returns to SAP standard implementation without additional programming.