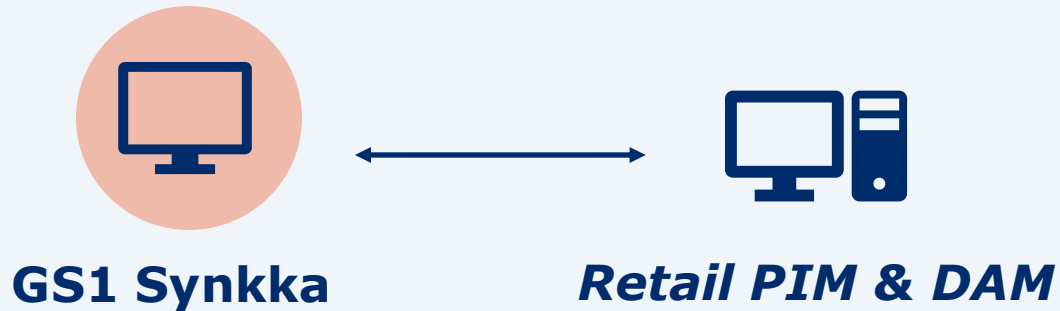


Current State: Transfer of XML Messages via FTP

GDSN XML (FTP)

All product data in GDSN XML-format



Operating principle

- Messages are collected on the product information bank's FTP server, from which the integrator retrieves the messages and manages the monitoring and deletion of retrieved messages.

Challenge

- Identifying the chronological order of messages is difficult
- Outdated technology
- Troubleshooting is challenging

New HTTPS-based XML-interface

HTTPS XML API

- All product information in GDSN XML format
- No change in data content

Benefits

- More reliable and simpler solution than current
- Easier troubleshooting
- Message format remains the same

Solution proposal

Authentication with API key, no separate login.
Two endpoints:

1. POST /api/gdsn-xml/in
 - Sending of messages in XML format (CIN, CIHW, CIS, RFCIN, CIC, CIP)
2. GET /api/gdsn-xml/out
 - Receiving of messages in XML format (CIN, CIHW, CIC, GS1Response)
 - Returns the oldest single message
 - Response header includes information on the number of incoming messages waiting in the queue