

PHL EXCHANGE

Your IBM i, in dialogue with your whole IT system

PHL Exchange generates the programs that parse and process your XML and JSON flows: file exchanges with other platforms, web services in server or client mode. The successor to PHL XML, it keeps all of its features and adds JSON.

— How it works

- ◆ **Generator**
the programs that parse and process the flows are generated automatically
- ◆ **A single module**
flow parsing and processing combined, where traditional EDI chains separate steps
- ◆ **No format expertise needed**
your teams process flows without having to master XML or JSON
- ◆ **Special characters**
encoded automatically, an often-overlooked pitfall

— From PHL XML to PHL Exchange

- ◆ **Continuity**
all PHL XML features are retained
- ◆ **A more accurate name**
"Exchange" reflects support for several formats, not just XML
- ◆ **What's new**
JSON joins XML

— Exchange automation and graphical studio

- ◆ **FTP automation**
automatic receipt and sending of files in EDI mode
- ◆ **PHL Studio**
shared across the PHLSoft suite, it shows flows in a graphical or text view
- ◆ **Modular design**
other automation tools can be used, including in-house ones
- ◆ **Macro language**
to define the rules applied by the programs simply

2

exchange formats: XML and JSON

3

execution modes: EDI, web services, SOAP

2-way

server and client programs

0

additional software layers

— Three modes, one generator

EDI MODE

File exchanges

The program runs in batch and turns XML or JSON files into DB2 for i tables, and vice versa.

WEB SERVICES MODE

Server, client or both

The server program receives and processes requests; the client program sends requests and processes the responses.

SOAP MODE

For standardised exchanges

A variant of web services based on the SOAP protocol, via a web server.

— Technologies used

◆ Backend

IBM i, DB2 for i database

◆ Formats

XML and JSON

◆ Protocols

web services via a web server, SOAP, FTP

— Technical requirements

PLATFORM

IBM i V7R4 TR7 minimum

◆ Skills

no prior knowledge of XML or JSON required

◆ Training

1 day

— In the PHL Soft suite

Each tool installs on its own and works with the others, on the same IBM i.

PHL Web

Turns your 5250 screens into web interfaces from the DDS source, with three levels of transformation.

PHL Print

A document design workshop: you lay out the document to the pixel, your RPG feeds it, the IBM i produces the PDF.

PHL Mobile

No-code studio for mobile applications on your IBM i data, installable as PWAs, with offline data entry.