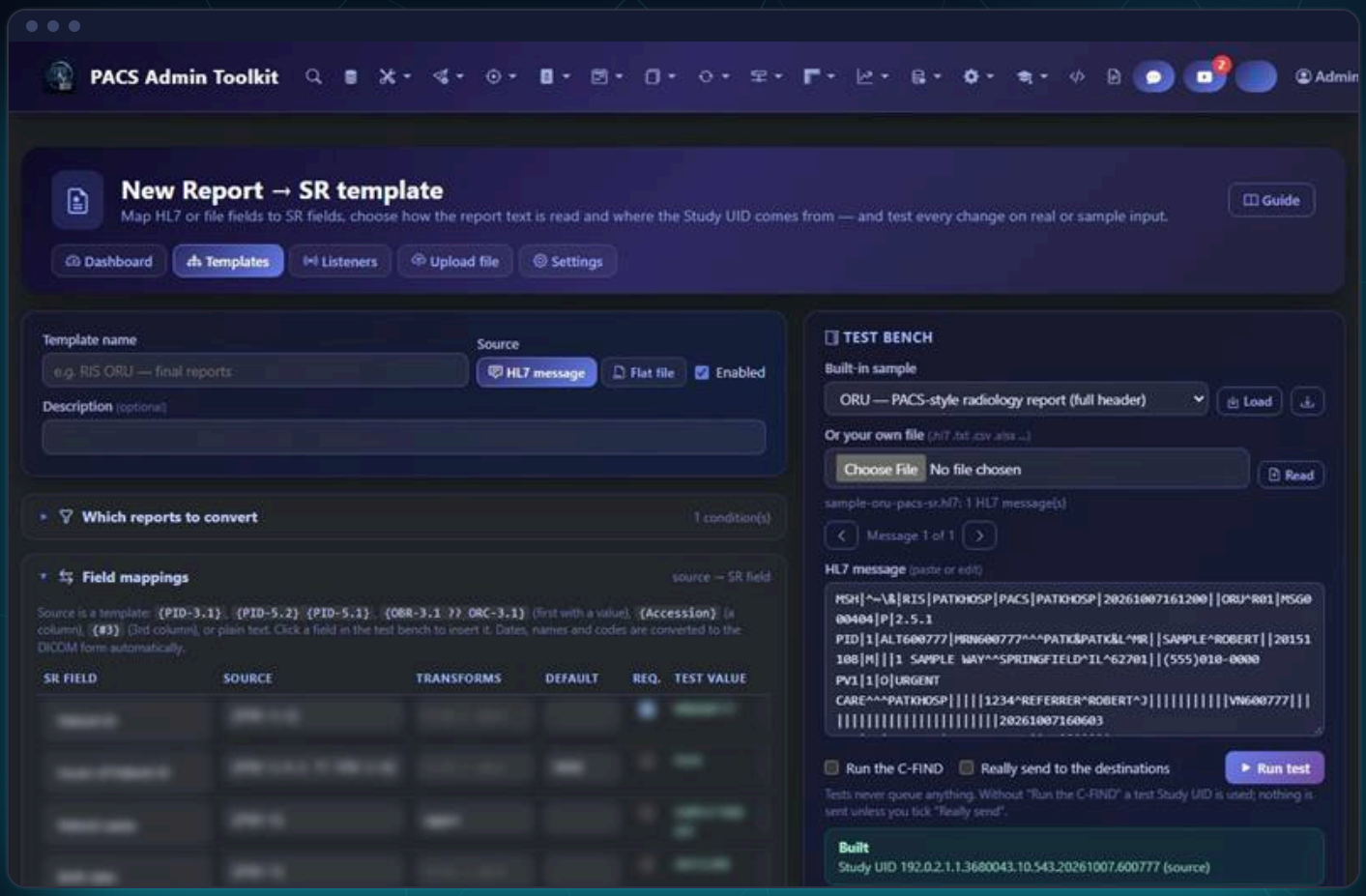
Reports & Results | Leads with Trust

Report to SR

Put the report in the PACS beside its images, from HL7 feeds or historic report files.



Turns HL7 ORU reports and CSV, Excel or delimited report files into DICOM Basic Text SR in the layout RIS and PACS archives use. A C-FIND finds the images' Study UID, and held or failed reports wait on a dashboard until someone acts.

Saved first
every report kept before it is processed

HL7 or files
ORU over MLLP, CSV, Excel or any delimited text

Patient ID
in every sample C-FIND, so a match is never another patient's

Replaces: **Report conversion service or custom SR scripts**

License module `REPORT_TO_SR`

THE CHALLENGE

Why it matters

A PACS that holds images but not reports sends people to a second system every time they open a prior. After a migration, a merger or a RIS change, years of reports may exist only as an export file nobody can load.

Turning reports into DICOM SR sounds simple until the real data arrives: line breaks lost in transit, headings run together, missing Study UIDs, preliminary and corrected results, and exams that reach the PACS after their report.

IN SHORT

Turns HL7 ORU reports and CSV, Excel or delimited report files into DICOM Basic Text SR in the layout RIS and PACS archives use. A C-FIND finds the images' Study UID, and held or failed reports wait on a dashboard until someone acts.

CAPABILITIES

What it does

- **Two kinds of source**
  HL7 ORU messages from a TCP listener or a file of messages, and flat files: CSV, Excel, pipe or any delimited text.
- **Templates you can read**
  Each SR field is filled from a source template such as or , with fallbacks, transforms and automatic DICOM date, name and code formatting.
- **Report text cleaned up**
  Automatic detection handles HL7 escapes, HTML and RTF, typed line-break markers, run-together headings and hard-wrapped lines, and shows what it found.
- **Sections when you want them**
  One Findings section, as most archives store reports, or coded sections for History, Comparison, Technique, Findings, Impressions, Recommendations and Addendum.
- **Study UID by C-FIND**
  Take the UID from the source or query one or more PACS routes with ordered queries that always include the patient ID; optionally copy demographics from the matched study.
- **The archive's layout**
  Basic Text SR with the usual header, procedure and referenced request sequences, verification flags and verifying observer.
- **A rule for every failure**
  Missing values, unreadable dates, empty reports, no study found, duplicates and failed sends each choose hold, retry, generate, skip or fail.
- **Delivery with retries**
  C-STORE to every destination or the first that accepts, retried on a schedule with the same SOP Instance UID; a copy can also go to a folder.

A test bench
Run a sample, a pasted message or your own file through every step and see the cleaned text, SR header and full DICOM dump; nothing is sent unless you say so.

WORKFLOW

How it works

1
Receive
A listener or file upload saves every report before anything else happens.

2
Map
The template copies source fields into the SR header and reads the report text.

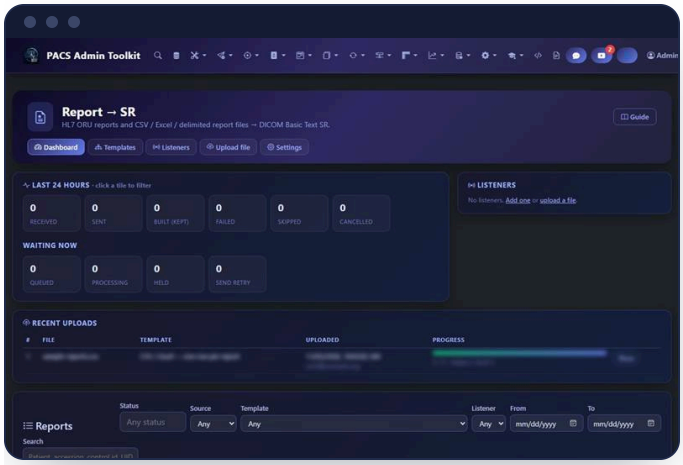
3
Find the study
The Study UID comes from the source or a C-FIND on a DICOM route.

4
Build
A Basic Text SR is built in the RIS / PACS layout and kept on disk.

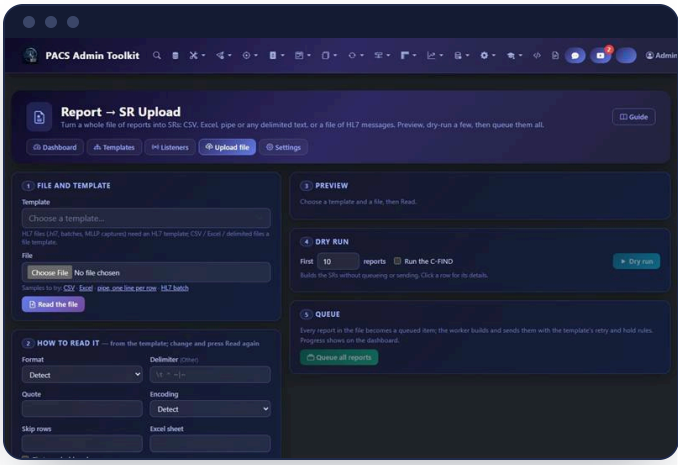
5
Send
C-STORE to the destinations, with retries; held and failed reports wait on the dashboard.

IN THE PRODUCT

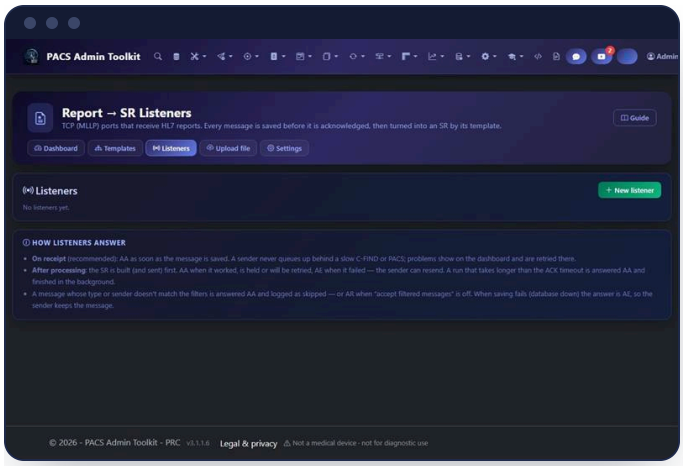
See it in action



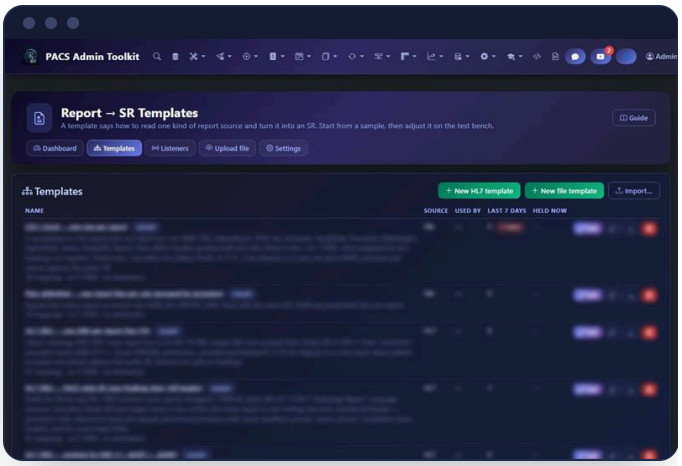
The dashboard: last 24 hours, reports waiting, recent uploads and every report's status



Upload a report file, preview it and dry-run a few rows before queueing them all



MLLP listeners save every report before acknowledging it



Templates for HL7 and flat files, started from built-in samples

USE CASES

Where it pays off

RIS reports into the PACS, live

CHALLENGE	A hospital network's RIS sends ORU^R01 with one OBX per line and no Study UID; the PACS shows images without reports.
WITH PATK	A listener acknowledges each report on receipt; a C-FIND on accession and patient ID finds the study, and reports for exams not yet in the PACS are held and found on a later retry.
OUTCOME	**The report sits with the images in the PACS, and the late-exam cases resolve themselves instead of becoming a reconciliation list.**

A long-term report archive for a multi-site group

CHALLENGE	A multi-site radiology group needs its reports kept as DICOM independently of any one PACS, so they can be fetched back after a PACS change or for outside sites.
WITH PATK	Report to SR turns the RIS feed into Basic Text SR and sends it to a PATK instance rebranded as the group's Report Archive, whose DICOM storage and routing keep the SRs and serve them to other PACS on request.
OUTCOME	**Reports outlive the PACS that first displayed them, and a new PACS or an outside site can retrieve them like any other DICOM study.**

Back-loading historic reports after a migration

CHALLENGE	An imaging group moved PACS; ten years of reports exist only as an Excel export with MRN, accession, report text and a Study UID column that is often blank.
WITH PATK	The spreadsheet template maps the columns, C-FIND fills missing UIDs, a dry run of 20 rows is checked, then the whole file is queued with a duplicate key so a second upload replaces rather than duplicates.
OUTCOME	**The historic archive gets its reports back without a paid conversion project, with every row's result on the dashboard.**

3T

Trust · Truth · Transform

Trust

Every report is saved before it is acknowledged; sample queries always include the patient ID; held reports wait rather than land in a new study, and only failed destinations are retried.

Truth

The dashboard shows every report as built, sent, held, retrying, failed or skipped, with its source, log, SR and send results.

Transform

Report back-loads and live report feeds become a template and a listener, set up and tested in the browser.

VALUE MODEL

What it can be worth

An example hospital network converting its live RIS feed and back-loading historic reports.

Reports converted per year (live feed)	60,000
Lookups in a separate report system avoided per year	15,000 at 1 minute each
Reports needing manual study matching without C-FIND and hold-and-retry	1% (600) at 10 minutes each
Blended staff cost per hour	$60
Avoided report conversion service for 300,000 historic reports ($0.10 each), spread over 3 years	$10,000 per year

$31,000

Estimated yearly value

Illustrative example. Your volumes, staffing and costs will differ; we will build this model with your own numbers.

DIFFERENTIATORS

Why it stands out

Built for messy reports
Line-break detection, heading recovery and paragraph joining handle real exports that simple converters flatten into one line.

Safe matching
Patient-ID-anchored C-FIND and hold-and-retry avoid the orphan studies a generate-a-UID converter creates.

Self-service back-loads
A test bench, dry run and dashboard replace a one-off conversion service.

Same platform
Listeners, destinations and audit live alongside routing and migration tools.

SPECIFICATIONS

At a glance

Standards	DICOM Basic Text SR (1.2.840.10008.5.1.4.1.1.88.11), C-FIND, C-STORE, C-ECHO; HL7 v2 ORU over MLLP with ACK
Inputs	MLLP listeners (filter by MSH-9 and MSH-3), HL7 message files, CSV, Excel, pipe or delimited text
Controls	Field templates and transforms, conditions, duplicate key, Study UID policy, error rules per problem
Tools	Test bench with DICOM dump, file preview and dry run, dashboard actions (give UID, correct, retry, resend)
Housekeeping	Retention per outcome (held and waiting reports never removed), SR output folder, worker pause

See Report to SR with your own data

Ask for a guided demo or a trial license. PACS Admin Toolkit installs on your own Windows server in under an hour, and every module comes with step-by-step guides and in-app guided tours.

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