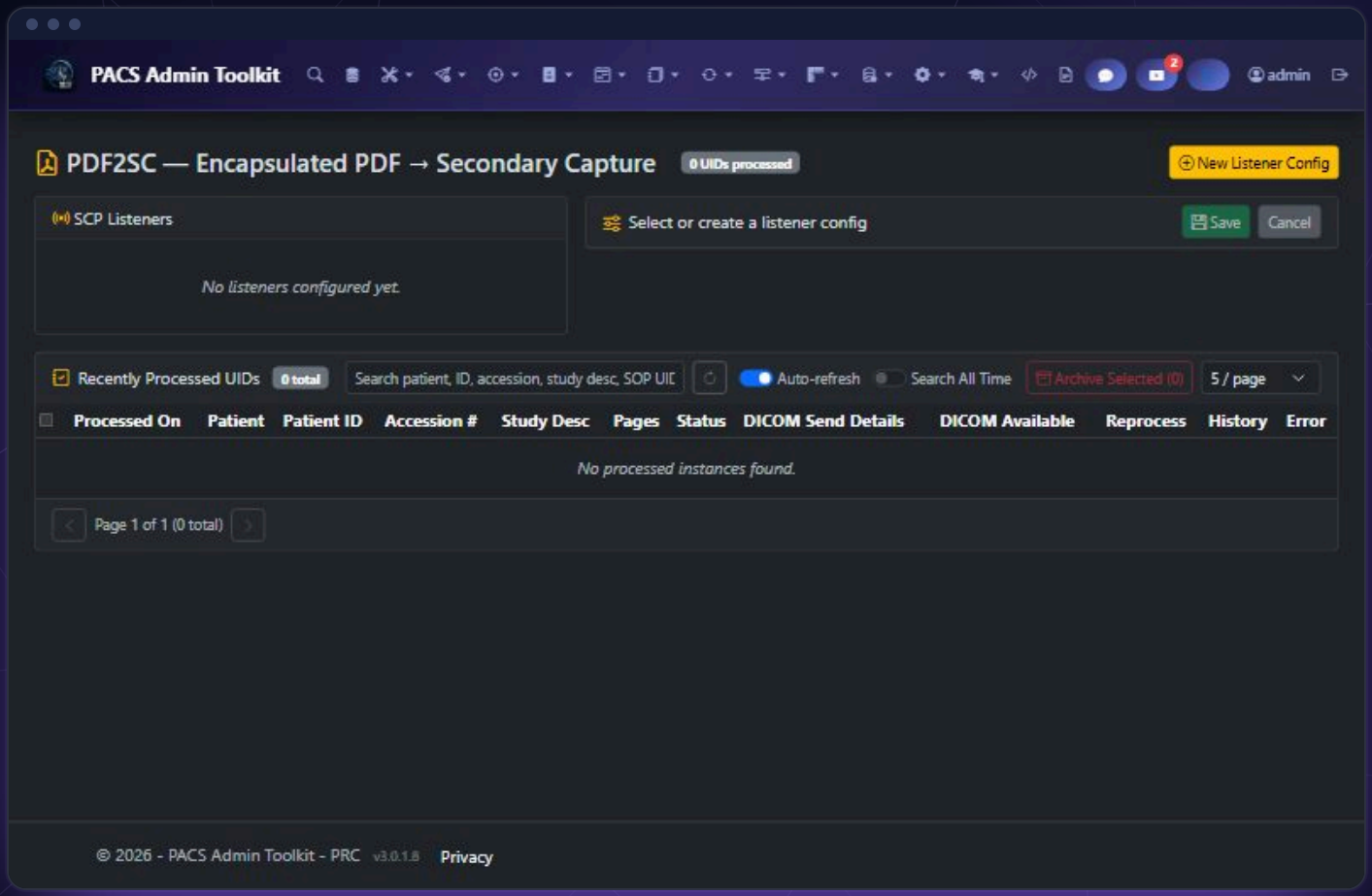
Reports & Results | Leads with Transform

PDF to Secondary Capture

Encapsulated PDFs in, viewable DICOM images out, sent on to the PACS without a click.



A DICOM listener that receives Encapsulated PDF documents, turns every page into a Secondary Capture image with the study's own identifiers, and sends the result to your PACS. Duplicate detection, reprocessing and a permanent record of every conversion come built in.

Every page
becomes a Secondary Capture image in the same study

Immediate
Success to the sender, conversion runs after

Permanent
record of every processed document

Replaces: **Stand-alone PDF conversion gateway or manual print-and-scan**

License module PDF2SC

THE CHALLENGE

Why it matters

Dose reports, cardiology and vascular worksheets, outside reports and scanned forms increasingly arrive as Encapsulated PDF objects. Many PACS, viewers and downstream archives either don't show them or bury them where radiologists never look, so the document is technically "in the study" but not seen.

The usual workaround is a person: open the PDF, print it, scan it back in as an image and attach it to the right study. It costs minutes per document, and every manual attach is a chance to put a page on the wrong patient.

> IN SHORT
>
> A DICOM listener that receives Encapsulated PDF documents, turns every page into a Secondary Capture image with the study's own identifiers, and sends the result to your PACS. Duplicate detection, reprocessing and a permanent record of every conversion come built in.

CAPABILITIES

What it does

- **A listener for PDFs**
  One or more DICOM listeners, each with its own AE title and port, accept Encapsulated PDF C-STOREs; other object types are ignored.
- **Answers at once**
  The sender gets Success immediately and conversion runs in the background, so modalities and other systems never wait on rendering.
- **Every page an image**
  Each page is rendered (150 DPI by default) into a Secondary Capture image, with adjustable resolution, JPEG quality and brightness.
- **Identifiers carried over**
  The output field mapping copies patient, study and order fields from the source object by default, and any field can be set from a value or template, previewed against a real DICOM file.
- **Sent on automatically**
  Converted images go to one or more DICOM destinations, either to all of them or to the first that succeeds.
- **Duplicates handled**
  A re-sent instance within a window you set is marked Duplicate instead of being converted and sent again; "last in wins" keeps a corrected re-send on disk.
- **Reprocess when needed**
  With storage switched on, the received PDF is kept on tiered storage paths with its own retention, and Reprocess runs it through conversion and send again.
- **A record of every document**
  Recently Processed shows each document with patient, accession, pages, status and the result for every destination, searchable across all time and kept permanently.

WORKFLOW

How it works

1 — PDF arrives
A modality, reporting system or gateway sends an Encapsulated PDF to the listener.

2 — Acknowledged
PATK answers Success at once and, if storage is set up, keeps the received object.

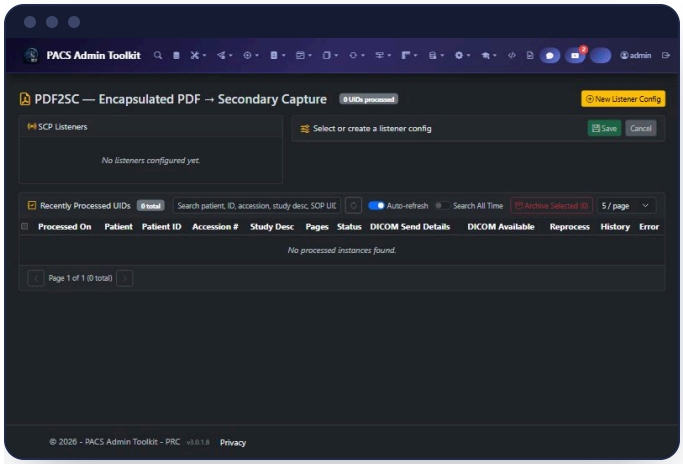
3 — Pages rendered
Each page becomes a Secondary Capture image with the mapped identifiers.

4 — Sent on
The images are C-STOREd to the auto-send destinations.

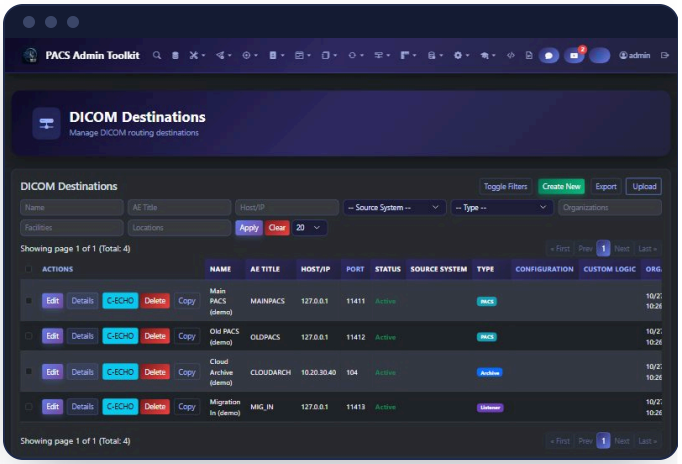
5 — Recorded
The document, its pages and each destination's result are logged for review and reprocessing.

IN THE PRODUCT

See it in action



Listeners, conversion settings and the recently processed documents



Auto-send destinations, tested with C-ECHO

USE CASES

Where it pays off

A multi-site radiology group with a dedicated conversion server

CHALLENGE	Several systems in the group produce Encapsulated PDF objects, but some of its PACS and viewers cannot display them, so the documents were effectively invisible.
WITH PATK	The group runs a PATK instance dedicated to this one job, rebranded under Config so staff see it as the conversion server; senders route Encapsulated PDFs to it and it sends Secondary Capture pages to each PACS.
OUTCOME	**Every system shows the documents in the more universally accepted Secondary Capture format, with no change to the senders or the PACS.**

Cardiology and vascular worksheets in a hospital network

CHALLENGE	Ultrasound and cardiology systems export worksheets as PDFs; staff print and scan around 40 a day so they show up in the PACS.
WITH PATK	The systems send their PDFs to the listener; conversion and send are automatic, and the processed list shows each worksheet, its pages and where it was delivered.
OUTCOME	**Print-and-scan disappears from the workflow, and every worksheet keeps the identifiers of the study it came from.**

Re-sends after a corrected document

CHALLENGE	An upstream system re-sends the same document several times, and once with a correction, creating duplicate pages in the PACS.
WITH PATK	Duplicate detection skips repeat sends within the window; "last in wins" keeps the corrected copy, and Reprocess sends it when the team decides.
OUTCOME	**One set of pages per document in the PACS, and the corrected version delivered on purpose, not by accident.**

3T

Trust · Truth · Transform

Trust

Identifiers come from the source object, not from someone typing; listeners have association limits and timeouts, and duplicates are caught before they reach the PACS.

Truth

Every document, its page count, status and delivery to each destination is recorded permanently and searchable, with a live listener log for troubleshooting.

Transform

Documents that needed a person to print, scan and attach now flow into the study in seconds, with no one touching them.

VALUE MODEL

What it can be worth

An example department that today prints and scans PDF documents, or pays for a separate conversion gateway.

Encapsulated PDF documents received per year	12,000
Documents that would otherwise be printed, scanned and attached by hand	50% (6,000)
Staff time saved per document	4 minutes (400 hours a year)
Blended staff cost per hour	$40
Separate conversion gateway subscription avoided per year	$6,000

$22,000

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

More than a converter
Duplicate detection, field mapping with preview, reprocessing and a permanent record are part of the listener, where a simple conversion utility only renders pages.

No waiting at the sender
Success is returned before rendering starts, so a busy modality or gateway is never slowed by large documents.

Same routing as everything else
It uses PATK's DICOM destinations, so the PACS connections are configured and monitored in one place.

Storage under control
Received PDFs are kept only if you choose, on tiered paths with high-water marks and their own retention.

SPECIFICATIONS

At a glance

Standards	DICOM Encapsulated PDF Storage in, Secondary Capture Image Storage out, C-STORE, C-ECHO
Listeners	One or many, AE title and port each, calling AE, association limits and timeouts
Conversion	Per page, DPI, JPEG quality, brightness, series description and number, field mapping with preview
Delivery	Auto-send to all destinations or first success, per-destination results, Reprocess after a failed send
Resilience	Received PDFs staged on disk before conversion and picked up again after a restart
Housekeeping	Duplicate window, last in wins, tiered storage with retention, job retention, reprocess and archive

See PDF to Secondary Capture 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.

sales@3tconsults.com | support@3tconsults.com | +1 (612) 564-9194 | www.3tconsults.com

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