

Trust. Truth. Transform.

PACS ADMIN TOOLKIT

One vendor-neutral platform that secures, reveals and transforms the imaging data and workflows around your PACS.

EXECUTIVE SUMMARY

The toolkit radiology IT teams wish their PACS came with

Every radiology department runs on more than its PACS. Orders have to become worklists, priors have to arrive before the radiologist opens the study, measurements have to reach the report, PDFs have to display, old archives have to be migrated and storage has to be kept under control. Most organisations cover these gaps with a patchwork of stand-alone routers, brokers, conversion services, scripts and spreadsheets, each with its own console, contract and blind spots.

PACS Admin Toolkit (PATK) brings those jobs into one product that you install on your own Windows server. You license only the modules you need, add more later on the same install, and run all of them from one browser console with one login, one audit trail and one way of working.

- **Vendor-neutral**
  Works between any DICOM and HL7 v2 systems: PACS, VNA, RIS, EHR, modalities, reporting and AI platforms.
- **Modular**
  More than twenty licensed modules, from routing and worklists to migration, retention and analytics.
- **Proven**
  Already running real clinical workflows: AI fetching, measurement-to-report, PDF conversion, priors fetching and report archiving.
- **Self-service**
  Guides, in-app guided tours and video tutorials ship with every module, so your own team configures and supports it.

OUR APPROACH

The 3T promise

Everything we build is measured against three words. Together they are the order in which change happens in imaging IT: nobody moves data they cannot trust, nobody improves a workflow they cannot see, and the payoff only comes when the work itself changes.

Trust

You cannot start anything without it. PATK protects patient data, clinical uptime and your team's confidence in every change.

- Role-based access, MFA and Active Directory / LDAP sign-in, with facility and site scoping when you need it.
- An audit trail for every change, and logs for every message, association and transfer.
- Clinical listeners keep running through licence problems on a grace period: licensing never blocks patient data.
- Dry runs, approvals, holds and rollback on anything that changes or deletes studies.

Truth

Look at the true data, the real project expectations and the actual status, not what a vendor dashboard implies.

- Live dashboards for routing, worklists, prefetch, migrations, reports and the database.
- Simulators, testers and parity checks that prove what a system will do before go-live.
- Insights trends on volumes, sizes, turnaround and activity per facility, site and modality.
- Every module shows exactly why something happened, down to the message or the DICOM tag.

Transform

Transform data and workflows to find maximum efficiency and satisfaction for any project.

- Replace manual steps with rules: worklists, prefetch, tag fixes, conversions, report delivery and retention.
- Move whole archives, consolidate after mergers and switch vendors with evidence, not hope.
- Give technologists, radiologists and administrators time back, every day.
- Feed new consumers such as AI platforms and portals without another integration project.

THE PLATFORM

One platform, every imaging workflow

PATK is built as one application with licensed modules rather than a bundle of separate products. Each module adds pages, listeners and background services to the same install; they share DICOM destinations, HL7 connections, users, guides and the audit trail. A single install can run everything, or you can deploy several instances, each rebranded for one job, with the same administration experience on every server.

21
licensable modules on one core platform

1
login, audit trail and admin experience

DICOM + HL7
standards-based, vendor-neutral

IMAGING & ROUTING

DICOM Routing

DICOM listeners that receive from modalities and archives, correct tags on the way through and route each image by rule. Store and forward or pass-through, with a retrying queue and a forward log that proves where every study went.

REPLACES: STAND-ALONE DICOM ROUTER

DICOM Tools

The everyday PACS administrator's workbench: query any archive and move studies, run bulk C-MOVEs from a spreadsheet, import outside CDs and test connections. A local database browser with a reference viewer, edits and a recycling bin keeps stored studies under control.

REPLACES: DESKTOP DICOM UTILITIES AND AD-HOC SCRIPTS

Priors Fetch

A priors browser that the reading worklist or any other system opens in context with an API key. Users see the patient's studies from every archive, what each destination already holds, and fetch the ones they want to one or many destinations.

REPLACES: MANUAL PRIORS REQUESTS TO THE PACS TEAM

Prefetching & HL7 Fetching

HL7 orders drive DICOM retrieval: prefetch picks a patient's relevant priors by matching rules, and HL7 Fetching pulls the exact study an order names. Every pick, skip and move is logged with its reason.

REPLACES: PREFETCH ENGINE OR INTERFACE-ENGINE SCRIPTS

ORDERS & WORKLIST

Modality Worklist

A complete DICOM Modality Worklist server fed by your RIS or EHR orders. Per-device rules, query rewriting and a built-in simulator give every room exactly the list it needs.

REPLACES: STAND-ALONE WORKLIST BROKER

REPORTS & RESULTS

DICOM to HL7

A DICOM listener that turns received objects into HL7 messages: report text to ORU, temporary orders for walk-in studies, or any message your systems need. Templates, filters and duplicate holds decide what is sent, and every study can be reprocessed or edited and resent.

REPLACES: CUSTOM INTERFACE SCRIPTS OR ENGINE CHANNELS THAT PARSE DICOM

SR Measurements to HL7

Receives the measurement SRs that ultrasound, echo, DEXA and other modalities produce and turns them into HL7 results, PowerScribe order custom fields and PDF worksheets. Templates match each machine automatically, and a Tech Approval Form catches anything that needs a human check.

REPLACES: MEASUREMENT INTEGRATION MIDDLEWARE

Report to SR

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.

REPLACES: REPORT CONVERSION SERVICE OR CUSTOM SR SCRIPTS

SR Sync

Finds SR series on one PACS by date window and DICOM conditions, lets you review the list, and C-MOVEs them to another system. Schedules, backup sources and failover keep reporting systems and archives complete without anyone running queries by hand.

REPLACES: MANUAL QUERY-AND-MOVE SESSIONS OR A SCRIPTED SR CATCH-UP JOB

PDF to Secondary Capture

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.

REPLACES: STAND-ALONE PDF CONVERSION GATEWAY OR MANUAL PRINT-AND-SCAN

DATA LIFECYCLE

PACS Migration

Runs PACS-to-PACS migrations with DICOM C-MOVE from a study list you build, on schedules that respect both systems' load, and verifies every study's image count at the destination. Tag changes and multi-million-row ID crosswalks can be applied to every image on the way.

REPLACES: PER-STUDY MIGRATION SERVICE OR SCRIPTED C-MOVE BATCHES

Local Bulk Updater

Changes DICOM tags in bulk on studies already stored in PATK, the way a migration would but without moving anything. Every change is previewed study by study, files are backed up and checked as they are rewritten, and a job can be rolled back.

REPLACES: RE-MIGRATING DATA TO FIX TAGS, OR A PER-STUDY DATA CORRECTION SERVICE

Study Retention Policies

Scheduled delete and keep policies for the studies stored in PATK, with dry runs, typed approval and safety stops. Legal holds, protections and a permanent deletion log show exactly what was kept, what went and why.

REPLACES: MANUAL PURGE SCRIPTS OR A SEPARATE ARCHIVE LIFECYCLE MANAGER

INSIGHT & GOVERNANCE

Insights
Statistics and trends for studies received, retrieval, routing, worklist and reporting, broken down by issuer, institution, modality, destination and facility. Collected quietly in the background, kept after the source logs are pruned.

REPLACES: SPREADSHEETS AND AD HOC DATABASE REPORTS

Access Topology
Facilities and sites, an owner for every record and per-person assignments let one PATK installation serve a whole network. Enforcement switches on area by area, after a shadow period proves nothing will break.

REPLACES: SEPARATE INSTALLATIONS PER FACILITY

Queries
A visual query builder over PATK's database with schema drag-and-drop, server-side paging, charts and CSV / Excel export. Saved queries can be private or shared, and every run is audited.

REPLACES: AD-HOC REPORT REQUESTS TO IT OR A SEPARATE REPORTING TOOL

PLATFORM & INTEGRATION

Core Platform
The always-included foundation under every module: users and roles, MFA and AD / LDAP sign-in, the audit trail and logs, configuration and branding, storage monitoring, and built-in guides, tours and video training. It is part of every license, never priced separately.

REPLACES: SEPARATE ADMIN CONSOLES, WIKIS AND TRAINING MATERIALS

HL7 Messaging
MLLP listeners that store and acknowledge every HL7 message, and a delivery queue that retries until the receiver accepts. Field Editor rules fix messages on the way in or out, message templates check what each interface really sends, and every message can be searched, read and resent.

REPLACES: INTERFACE ENGINE CHANNELS BUILT ONLY FOR LOGGING AND DELIVERY

SFTP Transfers
Scheduled pulls from partner SFTP servers into a local or network folder, with encrypted logins and a record of every run. Daily, weekly, monthly or yearly, with resume, safe file naming and optional clean-up at the source.

REPLACES: SCRIPTED FILE-TRANSFER JOBS AND WINDOWS SCHEDULED TASKS

PostgreSQL Admin
A health dashboard, live activity, storage, backups, scheduled maintenance and plain-English recommendations for the PostgreSQL server PATK runs on. Risky actions ask first, run one at a time in the background and are audited.

REPLACES: SEPARATE DATABASE MONITORING TOOL PLUS CONTRACT DBA HOURS

External API
Application API keys and JWT API users let RIS, EHR, portals and scripts call PATK with their own credentials, roles and facility scope. API Usage meters every call by caller, user, endpoint and IP, and keeps the reason for every failure.

REPLACES: API GATEWAY OR CUSTOM INTEGRATION LOGGING

Messenger
Built-in instant messaging with live presence, so technologists, PACS administrators and IT reach each other without phone tag. A study link opens the exact study being discussed.

REPLACES: SEPARATE CHAT TOOL, PHONE CALLS AND PAGERS

✓ IN PRODUCTION

Proven in the field

A multi-site radiology group runs PATK today as a set of purpose-built servers, each one the same product rebranded for a single job. These are real deployments, described without customer names.

HL7-triggered fetching for AI

HL7 messages trigger a C-FIND on the source archive and C-MOVEs of the matching studies to an AI analysis platform, driven by configurable workflows.

Measurement SR to HL7

Modality measurement structured reports become HL7 results for the reporting system, with templates and technologist approval.

Encapsulated PDF to Secondary Capture

Encapsulated-PDF DICOM objects are converted automatically into Secondary Capture images that every PACS and viewer can display.

On-demand priors fetching

A manual fetcher fills the gap where the PACS falls short on dynamic, multi-destination, on-demand fetching of prior studies.

Long-term report archive

DICOM SR reports are held long term so they can be fetched back into other PACS systems after a PACS change or for outside sites.

Migrations and API passthrough

The same group uses PATK for PACS-to-PACS migrations and as an API layer that other systems call for imaging tasks.

USE CASES

Radiology workflows, solved

The same platform covers the moments that cost radiology departments the most time and money.

Imaging centre network adding a newly acquired site

CHALLENGE	The new site has its own RIS, PACS and AE titles; patients will be seen at both, and priors and worklists must follow them from day one.
WITH PATK	DICOM routing and tag editing normalise incoming studies, the Modality Worklist module serves the new site's orders, prefetch rules pull priors across sites, and Access Topology keeps each facility's data scoped.
OUTCOME	**The site goes live on the group's workflows in weeks instead of a quarter, without buying another router or broker.**

Replacing a PACS without losing a decade of history

CHALLENGE	Hundreds of thousands of studies and their reports must move to the new PACS while both systems stay in clinical use.
WITH PATK	PACS Migration builds the study index, applies tag changes and schedules moves outside reading hours; Report to SR and SR Sync carry the reports; dashboards show progress and exceptions every day.
OUTCOME	**A migration run by your own team with daily evidence of progress, at a fraction of per-study service pricing.**

Feeding an AI platform the right studies

CHALLENGE	An AI vendor needs specific exams, and relevant priors, as soon as they are acquired; the PACS cannot route by order content.
WITH PATK	HL7 fetching workflows react to orders and results, query the archive and move only the matching studies to the AI platform, with every trigger logged.
OUTCOME	**AI results are ready when the radiologist opens the case, with no change to the PACS.**

Getting measurements and documents into the report

CHALLENGE	Sonographers re-type ultrasound and DEXA measurements, and outside PDFs cannot be shown in the PACS viewer.
WITH PATK	SR to HL7 turns measurement SRs into report-ready HL7 with technologist approval, and PDF to Secondary Capture makes documents viewable anywhere.
OUTCOME	**Fewer transcription errors, faster reports and complete patient records.**

VALUE

Value at a glance

Each module brochure includes an example value model with every assumption shown. The table collects them so you can see where the biggest opportunities are for an organisation like yours.

Module	Example scenario	Estimated yearly value
Core Platform	An example department estimating the yearly value of built-in training material and a single audit trail.	**$10,600**
DICOM Routing	An example multi-modality department replacing a stand-alone router and the manual work around it.	**$34,000**
DICOM Tools	An example regional imaging group handling ad-hoc DICOM requests in-house instead of through tickets and desktop tools.	**$37,000**
Priors Fetch	An example radiology group handling on-demand priors requests through PATK instead of through PACS staff.	**$43,000**
Prefetching & HL7 Fetching	An example 150,000-exam-a-year network moving from manual retrievals to order-driven prefetch and fetching.	**$42,500**
Modality Worklist	An example 120,000-exam-a-year department moving from manual entry (or an opaque broker) to a managed worklist.	**$36,000**
HL7 Messaging	An example radiology department that today relies on an interface team for HL7 visibility and redelivery.	**$24,400**
DICOM to HL7	An example multi-site imaging group producing HL7 from DICOM for reports and walk-in orders.	**$41,000**
SR Measurements to HL7	An example multi-site group with ultrasound, echo and DEXA studies that today have measurements retyped.	**$52,500**
Report to SR	An example hospital network converting its live RIS feed and back-loading historic reports.	**$31,000**
SR Sync	An example department that catches up missed SRs by hand each week and needs one six-month backfill.	**$16,800**
PDF to Secondary Capture	An example department that today prints and scans PDF documents, or pays for a separate conversion gateway.	**$22,000**
PACS Migration	An example 400,000-study legacy archive migrated in-house instead of by a separate per-study migration service.	**$218,600**
Local Bulk Updater	An example organisation correcting identifiers after one acquisition plus routine fixes through the year.	**$26,750**
Study Retention Policies	An example edge or cache server that keeps growing until someone purges it by hand.	**$19,500**
SFTP Transfers	An example department collecting three partner feeds every day.	**$14,200**

Module	Example scenario	Estimated yearly value
Insights	An example department that builds its volume and performance reports by hand today.	**$27,800**
Access Topology	An example three-facility network running one PATK installation instead of one per facility.	**$26,000**
PostgreSQL Admin	An example single-server PATK install where routine database care was done by a contract DBA.	**$21,750**
Queries	An example department whose ad-hoc data questions currently go to IT or the vendor.	**$24,900**
External API	An example department with four systems calling PATK (EHR, RIS, portal and scripts).	**$16,500**
Messenger	An example imaging department with 60 people using PATK across technologists, PACS administrators and IT.	**$22,500**

Each figure comes from the example model in that module's brochure, with every assumption shown there. Figures are illustrative and do not add up to a single site's total; we build the model with your own volumes and costs.

DIFFERENTIATORS

Why PATK stands out

Need	Typical approach	With PATK
Routing, worklist, prefetch and conversion	Several stand-alone products, each with its own console and contract	One install and one console; license only the modules you use
Proving a change before go-live	Change ticket, then hope	Simulators, testers, parity checks and dry runs in every module
PACS migration	Per-study service pricing and weekly status calls	Your team runs it, with live dashboards and verification
Data fixes across thousands of studies	Vendor professional services or scripts	Previewed bulk updates with rollback and an audit trail
Knowing what is happening	Log files and screenshots from vendors	Dashboards, Insights trends and message-level history
Training new staff	Wikis and tribal knowledge	Built-in guides, guided tours and video tutorials

Vendor-neutral by design
PATK sits between systems from any vendor and never locks your data into a proprietary format.

Built by imaging people
Every module came from a real gap a working radiology IT team had to fill.

Grows with you
New modules arrive regularly and switch on with a license update, not a new project.

PATK

Licensing that fits

Pay for what you use
Each module is licensed on its own; the core platform (users, security, guides, training, logs) is always included.

Start small, add later
Adding a module is a license update on the same install, with no reinstall and no data move.

Clinical data keeps flowing
If a license expires, clinical listeners keep running through a grace period while it is renewed.

Coming from Laurel Bridge?
The Compass, Waypoint and Navigator configuration import is included at no charge to speed your move.

PATK

Deployment, security and support

Your server, your data
Installs on Windows Server with IIS and PostgreSQL, on premises or in your private cloud; patient data never leaves your network.

Fast to install
A guided installer, unattended installs for many servers, and in-place upgrades.

Secure by default
HTTPS, MFA, Active Directory / LDAP sign-in, role-based access, encrypted stored credentials and a full audit log.

Documented
An administrator guide, installation guide and DICOM conformance statement ship with every release.

Self-service learning
Every page has a guided tour, every module a written guide, and the training studio records your own video tutorials.

GETTING STARTED

Next steps

1. **Discovery call**
Tell us about your systems, volumes and the workflows that hurt most.

2. **Value model**
We build the value model with your own numbers for the modules that matter.

3. **Guided demo or trial**
See PATK on sample data, or run a trial license on your own test server.

4. **Go live**
Install, configure with the built-in guides and tours, and add modules as you grow.

Start with Trust. See the Truth. Transform the work.

Ask for a guided demo, a trial license or a value model built on your own volumes. Pick the modules you need today and add more later on the same install.

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

Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

Laurel Bridge, Compass, Navigator and Waypoint are trademarks or registered trademarks of Laurel Bridge Software, Inc. PACS Admin Toolkit is an independent product of 3T Consults and Coaching and is not affiliated with, sponsored by, or endorsed by Laurel Bridge Software, Inc.

PowerScribe is a trademark of its respective owner; it is named only to describe compatibility. No endorsement is implied.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

COMPLETE BUNDLE

Contents

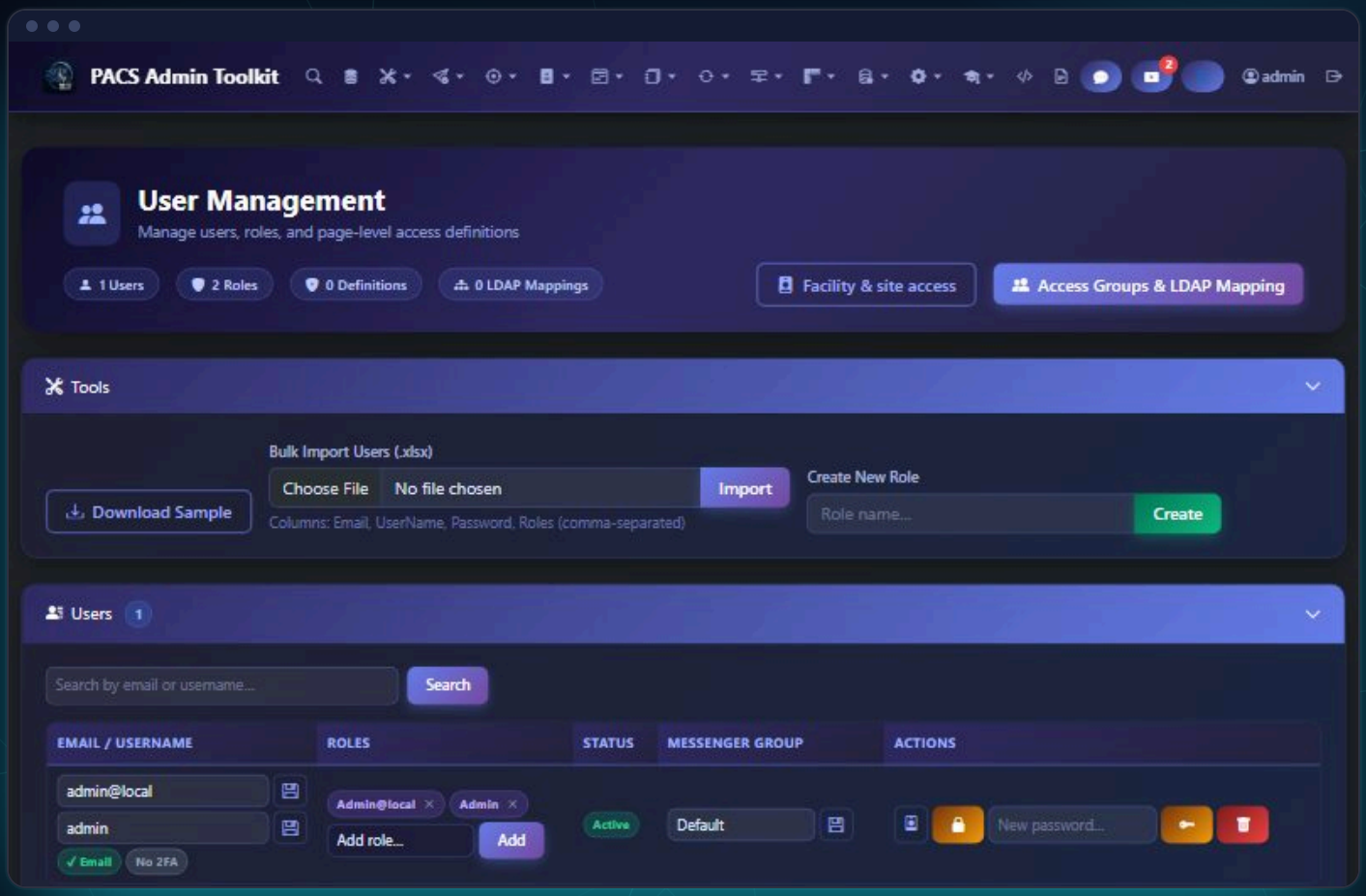
01	**Product overview**	Trust · Truth · Transform, the platform, use cases and value
02	**Core Platform**	Sign-in, security, audit, help and setup that every PATK installation includes.
03	**DICOM Routing**	Receive, fix and forward every image, with nothing lost when a destination goes down.
04	**DICOM Tools**	Find, move, import, test and tidy studies from one browser, without a ticket to the PACS vendor.
05	**Priors Fetch**	One click from the reading worklist to every prior, fetched to every place it is needed.
06	**Prefetching & HL7 Fetching**	The order arrives, and the right studies are already on their way to where they are needed.
07	**Modality Worklist**	HL7 orders in, the right worklist out to every modality, with nothing re-typed.
08	**HL7 Messaging**	Receive, log, edit and deliver HL7 with retries, ACK checks and a searchable record.
09	**DICOM to HL7**	Images and reports arriving as DICOM become the HL7 messages your RIS and EHR expect.
10	**SR Measurements to HL7**	Ultrasound, echo and DEXA measurements flow into results, PowerScribe and PDFs, not retyped.
11	**Report to SR**	Put the report in the PACS beside its images, from HL7 feeds or historic report files.
12	**SR Sync**	Find the structured reports that never arrived, and move them where they belong, on a timetable.
13	**PDF to Secondary Capture**	Encapsulated PDFs in, viewable DICOM images out, sent on to the PACS without a click.
14	**PACS Migration**	Move every study from the old PACS to the new one, fix tags on the way, and prove it arrived.
15	**Local Bulk Updater**	Correct patient IDs, issuers and institution names on stored studies, previewed, paced and reversible.
16	**Study Retention Policies**	Keep what the law and your records officer require, release the rest, and prove it.
17	**SFTP Transfers**	Partner files collected on schedule, landed safely, and logged, with nobody logging in to fetch them.
18	**Insights**	Volumes, sizes, speeds and success rates for everything PATK handles, by day, week, month or year.
19	**Access Topology**	One installation for many facilities, with each group of people seeing only its own data.

20	**PostgreSQL Admin**	Keep the database behind a 24/7 imaging service healthy, backed up and explainable, without a full-time DBA.
21	**Queries**	Ask your own data the question, chart the answer, and share it, without waiting on a report request.
22	**External API**	Keys for every system that calls PATK, and a clear view of what each one actually does.
23	**Messenger**	Real-time chat, presence and study links for everyone who works in PATK.

Platform & Integration | Leads with Trust

Core Platform

Sign-in, security, audit, help and setup that every PATK installation includes.



The always-included foundation under every module: users and roles, MFA and AD / LDAP sign-in, the audit trail and logs, configuration and branding, storage monitoring, and built-in guides, tours and video training. It is part of every license, never priced separately.

Every page
has a guided tour and page help

3
PDFs shipped per version: admin, install and DICOM conformance

Included
with every license, never priced separately

Replaces: **Separate admin consoles, wikis and training materials**

License module `CORE`

THE CHALLENGE

Why it matters

Every imaging tool brings its own admin console, its own user list, its own way of logging and its own binder of screenshots that went out of date two upgrades ago. New staff learn each one from a colleague, and when an auditor asks who changed a setting last March, the answer is spread across several systems.

Running several tools also means several installers, several sign-in setups and several support contracts, each configured differently by whoever happened to install it.

IN SHORT

The always-included foundation under every module: users and roles, MFA and AD / LDAP sign-in, the audit trail and logs, configuration and branding, storage monitoring, and built-in guides, tours and video training. It is part of every license, never priced separately.

CAPABILITIES

What it does

- **Users, roles and page permissions**
  Role definitions give read, create, edit, delete and export per page, with hidden fields; self-registered accounts wait in a holding pen until an administrator approves them.
- **Strong sign-in**
  Two-factor authentication with an authenticator app (required for configuration pages), AD / LDAP sign-in across several domains over LDAPS with automatic account creation, and optional Windows sign-in.
- **AD groups do the work**
  Map AD groups to app roles and admin or user access, and test what a person would get before relying on it.
- **A full audit trail**
  User, role, configuration and API changes, deletions and views of sensitive lists are audited with user, time and client IP; search it, export it to Excel, and prune only with an explicit permission and confirmation.
- **Logs you can read in the browser**
  The Log Reader searches every log file with context lines; the Log File Manager prunes on a schedule.
- **Help built in**
  A guided tour on every page, one section guide per toolset, tour links for runbooks (add ?tour=1), and three PDFs with each version: the Administrator Guide, the Installation and Upgrade Guide and the DICOM Conformance Statement.
- **Video training made in the app**
  The Tutorial Studio records screen and narration with chapters; videos appear in a library and on the page they teach, with viewing analytics.
- **Configuration and branding**
  SMTP with a test email, secret values masked, and Rebrand for the app name, logos and the names used in emails and generated documents.

Storage watched

DICOM data stores are checked every 5 minutes against their high-water mark, with warning and critical emails, and a nearly full store is skipped in favour of the next.

Easy to install and onboard

One setup program installs prerequisites, the app and the IIS site, with an unattended mode for many servers; the Laurel Bridge import reads existing Compass, Waypoint and Navigator configuration exports and reports what would come across, at no extra cost.

WORKFLOW

How it works

1

Install

One setup program, with the wizard or unattended, puts PATK on IIS with PostgreSQL.

2

First run

The setup wizard connects the database, creates the first administrator and applies the license.

3

People in

Bulk import, AD / LDAP sign-in or approved self-registration, with roles and MFA.

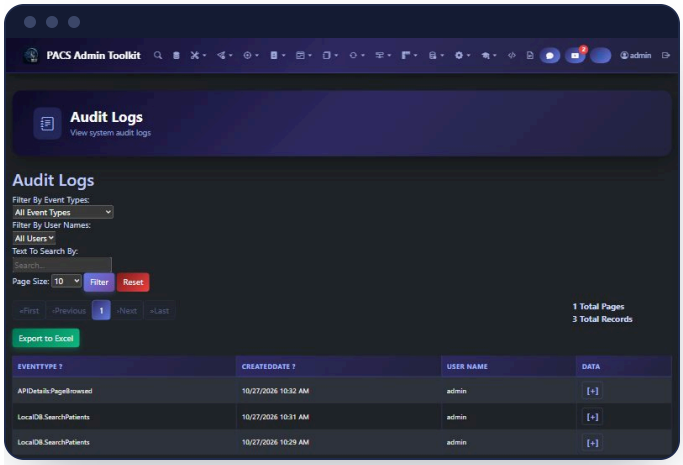
4

Work and learn

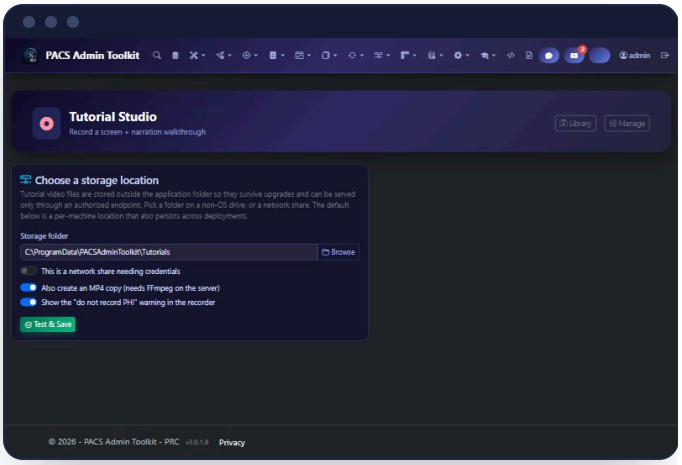
Every page has its tour, guide and videos; every change is audited.

IN THE PRODUCT

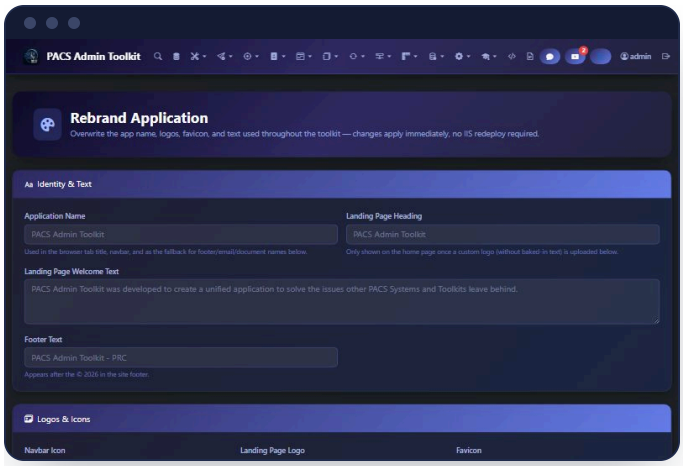
See it in action



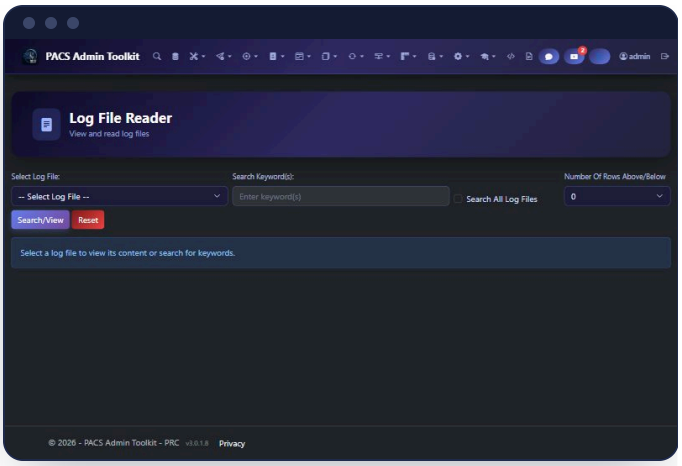
The audit log: search by event, user or text, and export to Excel



The Tutorial Studio records screen and narration with chapters, inside the app



Rebrand sets the app name, logos and the names used in emails and documents



The Log Reader searches every log file with lines of context

USE CASES

Where it pays off

One product, purpose-built instances

CHALLENGE	A multi-site radiology group needed several single-purpose imaging services: an HL7-triggered fetcher feeding an AI platform, an SR measurement to HL7 server, a PDF to Secondary Capture converter, a manual priors fetcher and a long-term SR report archive.
WITH PATK	Each job runs on its own PATK instance, rebranded for its purpose so users know which one they are in, with the same sign-in, audit, logs and help everywhere.
OUTCOME	**Five services that look and behave alike to administer, one product to learn and support instead of five separate tools.**

Onboarding a new PACS administrator

CHALLENGE	A new administrator joins, and the senior admin has no time to walk them through every tool.
WITH PATK	They follow the section guides and take each page's tour, then watch the department's own recorded videos for local procedures.
OUTCOME	**The newcomer works from the same up-to-date material as everyone else, and the senior admin answers questions instead of giving tours.**

Preparing for a security audit	
CHALLENGE	An auditor asks who changed user roles and configuration over the last year, and how sign-in is protected.
WITH PATK	The audit log, filtered by event type and date, exports to Excel; MFA status shows on every user row, and configuration pages require it.
OUTCOME	**Evidence is produced in an hour from one place, not assembled from several systems over days.**

3T

Trust · Truth · Transform

Trust

MFA, AD / LDAP over LDAPS, per-page permissions, approval for self-registered accounts, masked secrets and an audit trail that can only be pruned deliberately.

Truth

The audit log and log files show who did what and what the app was doing; storage alerts warn before a store fills; the License page shows what is used.

Transform

One sign-in, one audit trail and one set of help across every module, with training that is always about the version installed.

VALUE MODEL

What it can be worth

An example department estimating the yearly value of built-in training material and a single audit trail.

New or rotating staff onboarded per year	10
Learning hours saved per person with tours, guides and videos	6 (60 hours)
Trainer hours saved per person	3 (30 hours)
Audit and compliance requests per year, hours saved on each	12 x 4 hours (48)
Blended staff cost per hour	$55
Separate wiki, training or screen-recording tool avoided per year	$3,000

$10,600

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

Help that keeps up
Shipped tours refresh with each upgrade unless your team has edited them, and the PDFs describe exactly the installed version, unlike a wiki that drifts.

Security included, not an add-on
MFA, AD / LDAP and auditing come with every license, where separate tools often charge for them or leave them out.

The same everywhere
Every module and every instance shares one sign-in, one audit trail and one look, rather than one admin console per tool.

Onboarding from legacy routing products
The Laurel Bridge import is part of the platform, so analysing an existing setup costs nothing extra.

SPECIFICATIONS

At a glance

Identity	Local accounts, AD / LDAP (multi-domain, LDAPS), optional Windows sign-in, authenticator-app MFA
Permissions	Roles, role definitions per page (read / create / edit / delete / export), path rules, account approval
Audit and logs	Searchable audit log with Excel export, protected pruning; Log Reader and scheduled log pruning
Help	Guided tour on every page, section guides, Tutorial Studio and library, three versioned PDFs
Configuration	SMTP, branding and document branding, licensing, data retention windows, storage high-water alerts
Installation	Windows Server, IIS, PostgreSQL; setup program with wizard or unattended mode; first-run setup wizard

See Core Platform 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

Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

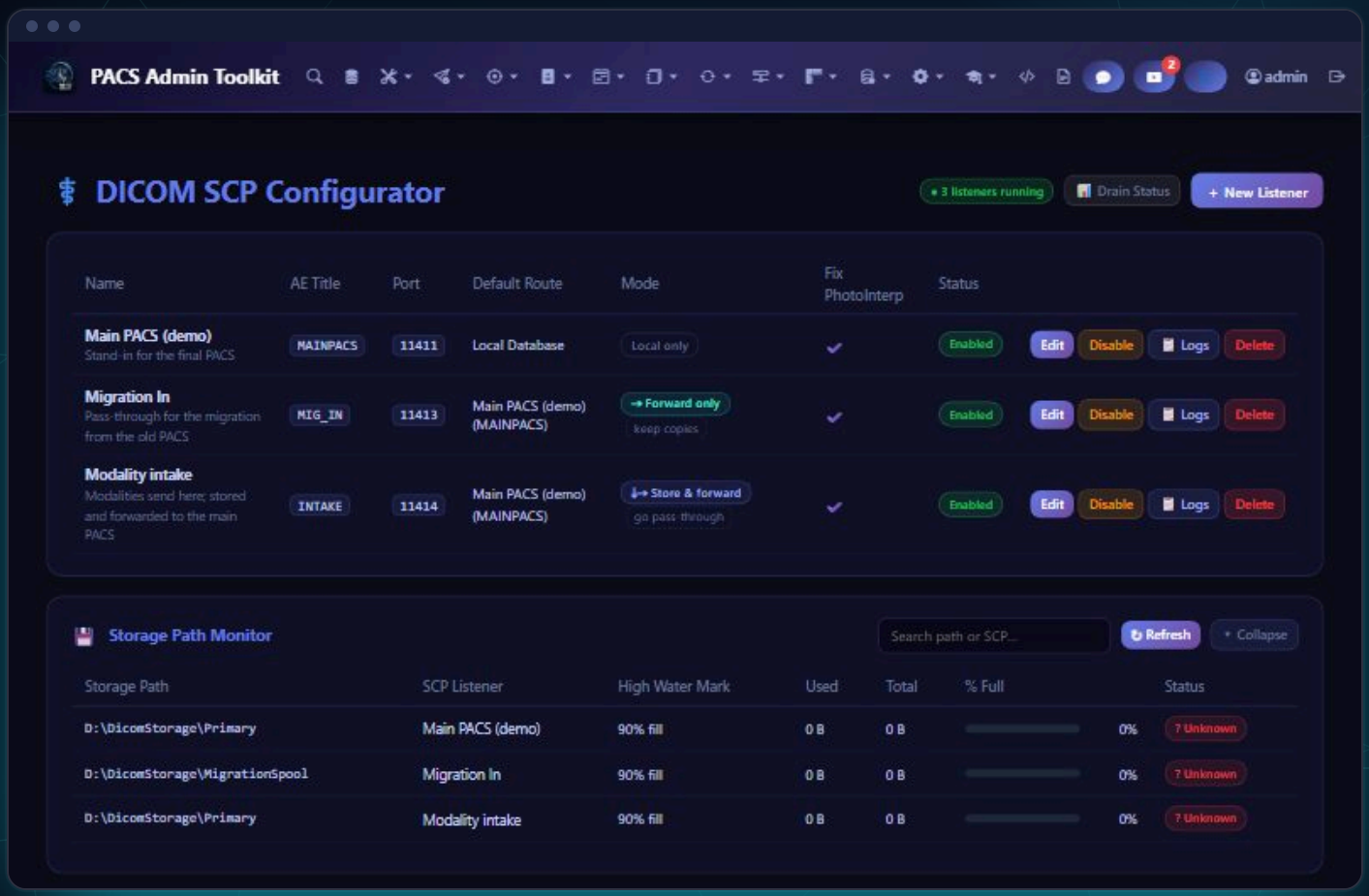
Laurel Bridge, Compass, Navigator and Waypoint are trademarks or registered trademarks of Laurel Bridge Software, Inc. PACS Admin Toolkit is an independent product of 3T Consults and Coaching and is not affiliated with, sponsored by, or endorsed by Laurel Bridge Software, Inc.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Imaging & Routing | Leads with Trust

DICOM Routing

Receive, fix and forward every image, with nothing lost when a destination goes down.



DICOM listeners that receive from modalities and archives, correct tags on the way through and route each image by rule. Store and forward or pass-through, with a retrying queue and a forward log that proves where every study went.

3
forward modes: local, store and forward, pass-through

Per study
forward log row for every destination

0
unedited copies needed to test a tag rule

Replaces: **Stand-alone DICOM router**

License module `DICOM_ROUTING`

THE CHALLENGE

Why it matters

Images rarely go straight from the scanner to the right archive with the right tags. A new modality sends the institution name in lower case, an acquired site uses its own patient ID domain, and the PACS rejects or misfiles what it does not like. Someone fixes it by hand, one study at a time.

When a destination is down, the questions start: which studies were sent, which were not, and which are still sitting somewhere waiting? With an opaque router, nobody can answer without an afternoon in log files.

> IN SHORT
>
> DICOM listeners that receive from modalities and archives, correct tags on the way through and route each image by rule. Store and forward or pass-through, with a retrying queue and a forward log that proves where every study went.

CAPABILITIES

What it does

- **Listeners for every sender**
  An AE title on a port receives C-STORE from modalities, PACS and migration sources, with per-listener SOP class and transfer syntax control and connection limits.
- **Three forward modes**
  Keep a local copy only, store and forward in the background, or pass straight through with no second copy; switch with one click and no restart.
- **Rules that pick the route**
  Conditions on called AE, calling AE, sender IP or any tag decide to forward, store only, discard or reject; a route tester shows where an image would go before anything is sent.
- **Tag fixes on the way through**
  Tag Editor templates set, prefix, map, look up, shift dates and generate consistent new UIDs or accession numbers, on the listener or on each destination.
- **Many sites, one port**
  One listener answers to many called AE titles, each with its own allowed senders and its own templates.
- **Nothing dropped when a destination fails**
  Store and forward retries with back-off and hands off to the DICOM queue; pass-through spools the image and queues it, and the queue survives restarts.
- **A forward log you can search**
  Every forwarded study, per destination, delivered or not, with the last association's details, searchable by patient ID, accession or UID.
- **Storage that looks after itself**
  Several storage paths with high-water marks, automatic overflow, e-mail alerts, and Storage Moves to rebalance or retire a drive while the listeners keep running.

A small archive too
Store-and-forward listeners answer C-FIND and C-MOVE for what they hold, limited per facility or site when Access Topology is licensed.

WORKFLOW

How it works

1. **Image arrives**
A sender calls the listener's AE title; the port, called AE and allowed senders decide whether it is accepted.

2. **Tags fixed**
Photometric correction, then Tag Editor templates, then any migration tag changes.

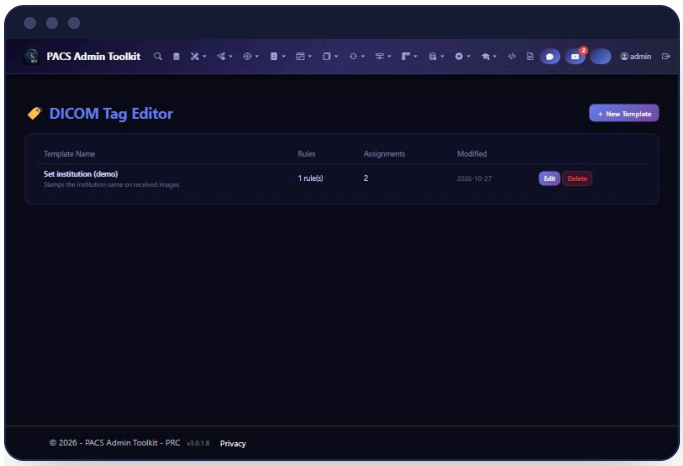
3. **Route chosen**
Routing rules run top to bottom; images no rule picks up go to the default destinations.

4. **Stored and sent**
The image is kept, forwarded or both, with outbound templates applied per destination.

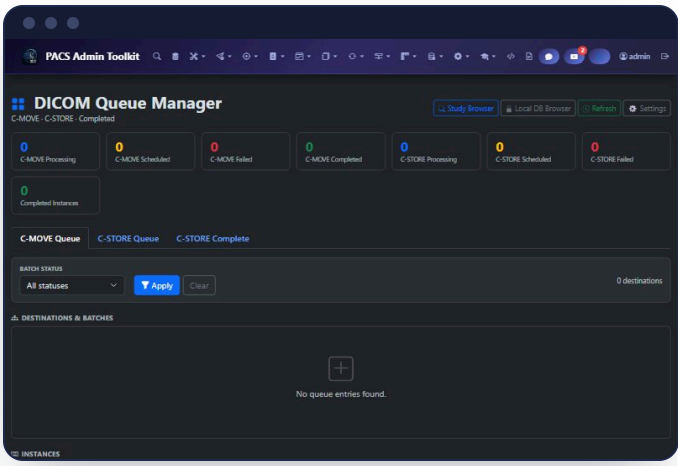
5. **Failures recovered**
Retries, spooling and the DICOM queue deliver it later; the forward log records the result.

IN THE PRODUCT

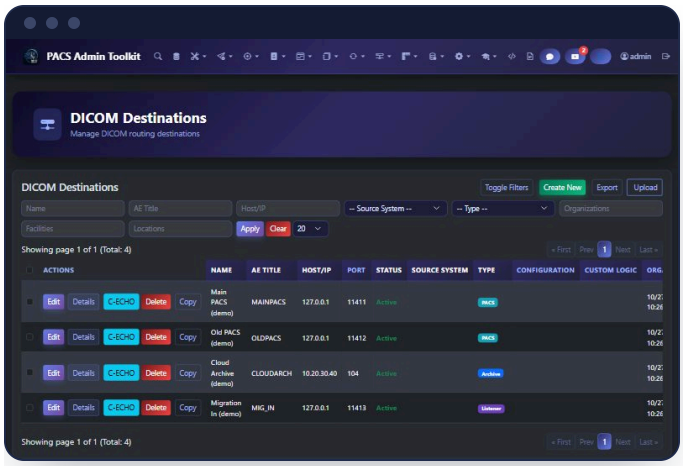
See it in action



Tag Editor rules read like sentences and are tested on a real file before saving



DICOM Queues: every batch per destination and study, retried automatically



Destinations with C-ECHO, bulk edit and spreadsheet upload

USE CASES

Where it pays off

Imaging centre with a fussy PACS

CHALLENGE	A new CT sends the institution name in lower case and leaves the station name blank; the PACS team fixes studies by hand every week.
WITH PATK	A pass-through listener applies a two-rule template and forwards to the PACS, with spooling on in case the PACS is unavailable.
OUTCOME	**Every study arrives correctly tagged, with no second copy on disk and no weekly clean-up.**

Hospital network absorbing an acquired site

CHALLENGE	The new site's modalities use their own MRNs and AE titles, and its studies must reach the network PACS without colliding with existing patients.
WITH PATK	One listener answers to each site's AE titles; a template fills the Issuer of Patient ID from a lookup table keyed on the calling AE; 300 modalities load from a spreadsheet.
OUTCOME	**The site sends to one address from day one, and every study reaches the PACS with its patient ID domain intact.**

PACS outage during a busy evening

CHALLENGE	The reading PACS goes down for three hours while emergency department scanners keep sending.
WITH PATK	Listeners keep accepting; images are stored or spooled and queued. When the PACS returns, one click reprocesses the failed batches and the forward log confirms delivery study by study.
OUTCOME	**Scanners never stop, and the after-action report is a filtered list, not a guess.**

Migration listener for a PACS replacement

CHALLENGE	Millions of studies must move to a new PACS with an issuer added to every patient ID.
WITH PATK	A store-and-forward pilot proves the tag changes on 25 studies; the listener then switches to pass-through for the bulk, keeping disk use flat.
OUTCOME	**The same router that handles daily traffic carries the migration, with every send logged.**

3T

Trust · Truth · Transform

Trust

Senders are admitted by AE title and host; unsafe pixel data is refused; failed sends are spooled and retried across restarts; tag changes can be recorded in the Original Attributes Sequence.

Truth

The forward log, queue status, drain status and storage monitor show where every study is and why a send failed, down to the association.

Transform

Tag fixes, site onboarding and outage recovery become configuration changes in a browser instead of manual rework and vendor tickets.

VALUE MODEL

What it can be worth

An example multi-modality department replacing a stand-alone router and the manual work around it.

Stand-alone router licence and support avoided per year	$25,000
"Where is my study?" investigations per year	240
Time saved per investigation with the forward log (30 to 10 minutes)	20 minutes
Studies a year that would otherwise need manual tag correction	1,000
Time to correct one study by hand	5 minutes
Blended PACS staff cost per hour	$55

$34,000

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

Provable delivery
A per-study, per-destination forward log answers "did it arrive?" in seconds, which many stand-alone routers leave to raw log files.

Test before live traffic
Template tests, the route tester and evaluate-only test runs show the result without sending anything.

One platform
Routing shares destinations, queues, audit and login with prefetch, worklist, migration and reporting tools.

Built for outages
Spooling, back-off and a restart-proof queue are standard, not extra-cost options.

SPECIFICATIONS

At a glance

Standards	DICOM C-STORE, C-ECHO, C-FIND and C-MOVE (SCP and SCU)
Modes	Local only, store and forward, forward only (pass-through) with spooling
Routing	Called / calling AE, sender IP and tag conditions; forward, store only, discard, reject
Tag editing	Templates on listeners and destinations, lookup tables, UID and number generators, sequence paths
Monitoring	Forward log, DICOM queues, storage path monitor with e-mail alerts, drain status

See DICOM Routing 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

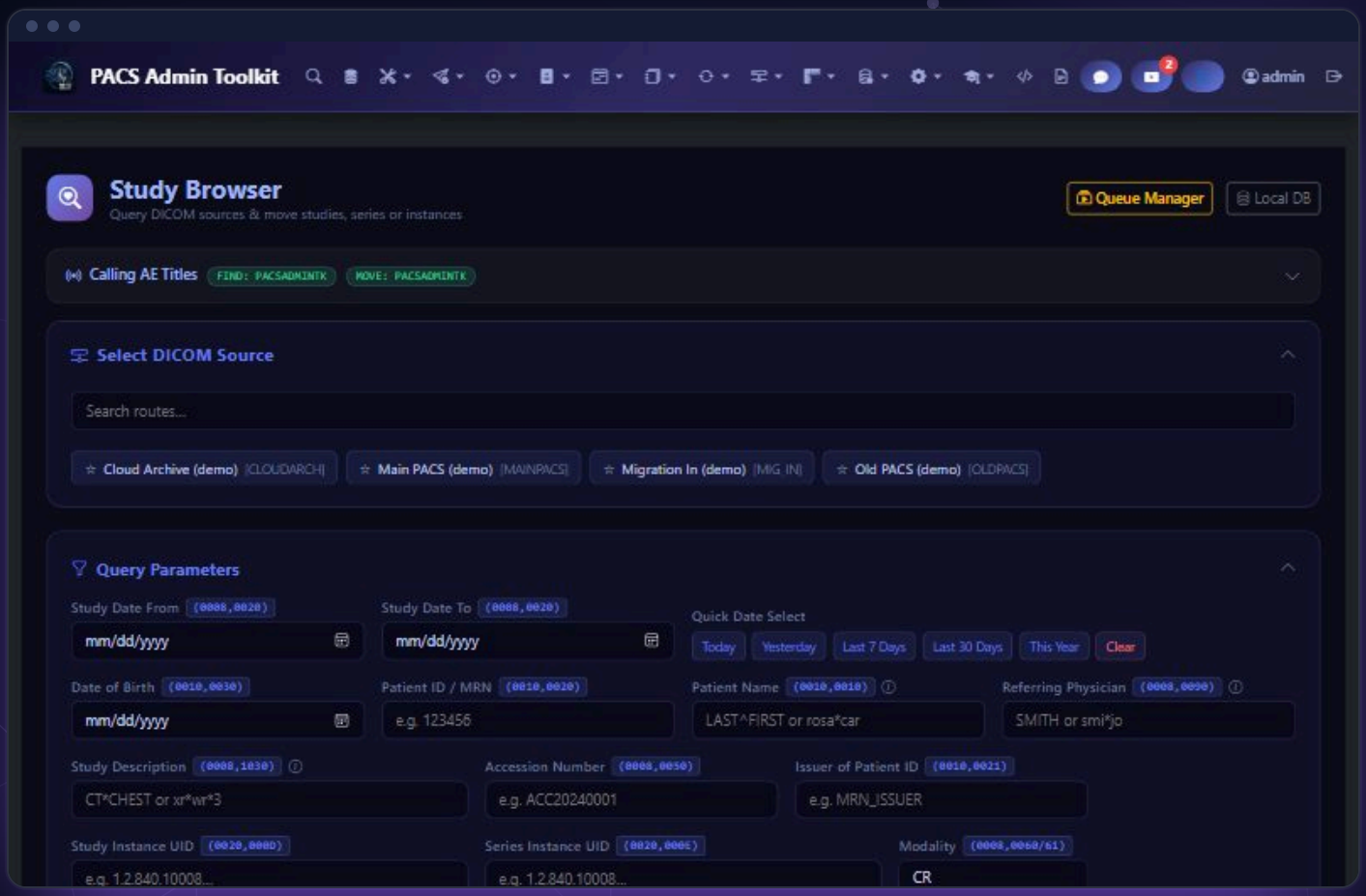
Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Imaging & Routing | Leads with Transform

DICOM Tools

Find, move, import, test and tidy studies from one browser, without a ticket to the PACS vendor.



The everyday PACS administrator's workbench: query any archive and move studies, run bulk C-MOVEs from a spreadsheet, import outside CDs and test connections. A local database browser with a reference viewer, edits and a recycling bin keeps stored studies under control.

1 list
to thousands of C-MOVEs, with an audit export

4 probes
C-ECHO, C-FIND, C-MOVE and C-STORE in one test

0
files removed until the recycling bin is purged

Replaces: **Desktop DICOM utilities and ad-hoc scripts**

License module `DICOM_TOOLS`

THE CHALLENGE

Why it matters

A PACS administrator's day is full of small DICOM jobs: pull last year's CT to a 3D workstation, send 2,000 accessions to a research gateway, load a patient's outside CD without clashing MRNs, find out why a new modality cannot connect. Each one usually means a different desktop utility, a script, or a ticket to someone else.

Those tools leave no shared record. When a research team asks which studies were sent, or why ten were missing, the answer lives on one person's laptop.

> IN SHORT
>
> The everyday PACS administrator's workbench: query any archive and move studies, run bulk C-MOVEs from a spreadsheet, import outside CDs and test connections. A local database browser with a reference viewer, edits and a recycling bin keeps stored studies under control.

CAPABILITIES

What it does

- **Study Browser for any archive**
  Query any configured PACS or device by date, patient, accession, description, modality or UID, drill into series and images, and move the selection to any destination.
- **Bulk C-MOVE from a spreadsheet**
  Load a list of accessions, patient IDs or UIDs from CSV, Excel, XML or JSON; each row is found then moved, with NotFound and Failed rows retried and the whole job exported as an audit.
- **Local database browser**
  Search what this server stores, view it, send it, edit tags, move or merge patients (with rollback), anonymise copies, export ZIPs and attach paperwork, each action under its own permission.
- **Reference viewer and report viewer**
  Open stored studies with comparison priors, hanging protocols and per-user presets, and read reports side by side; for reference and technical work, not for diagnosis.
- **Outside media import**
  Drop a CD or folder; prefix patient IDs and accessions, file studies under an existing patient or assign new UIDs before anything is imported.
- **Documents into the study**
  Upload or scan paperwork, pick and crop pages, find the study by C-FIND and send it as Secondary Capture.
- **Connection testers**
  The Handshake Tester probes a destination with C-ECHO, C-FIND, C-MOVE and optional C-STORE, and stress-checks this server's own listeners; the Worklist Tester queries a worklist like a modality would.
- **Realistic test data**
  The Sample DICOM Creator makes studies for 26 modalities, up to 5,000 images per run, for testing routes and archives safely.

Safe housekeeping
Deletes go to a recycling bin first, patch jobs write edits to disk with retries, Store Reindex finds unindexed files, and protected studies stop a delete.

WORKFLOW

How it works

1
Register systems
Add each PACS and device once in DICOM Destinations and prove it with the Handshake Tester.

2
Find
Query a remote archive in the Study Browser, or the local store in the Local Database Browser.

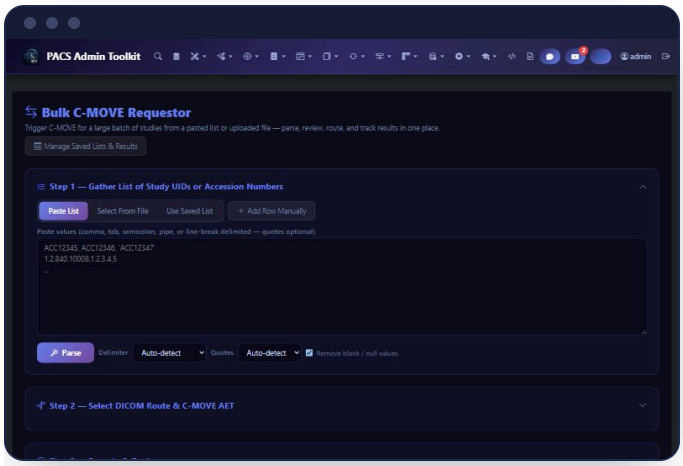
3
Move or send
C-MOVE selected studies, a whole spreadsheet, or C-STORE from the local store through the DICOM queue.

4
View and fix
Check images, edit tags or merge patients; patch jobs rewrite the files in the background.

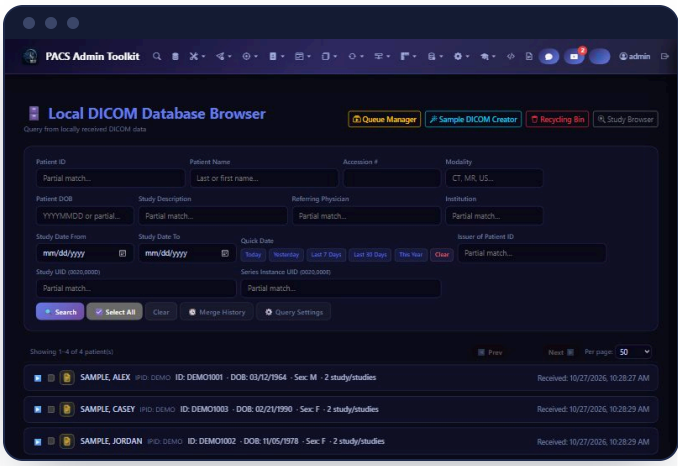
5
Keep a record
Bulk jobs, queue items and edits are kept and exportable until their retention ends.

IN THE PRODUCT

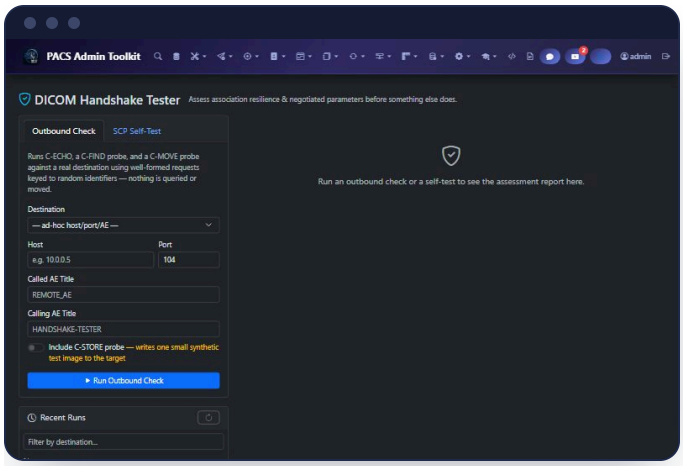
See it in action



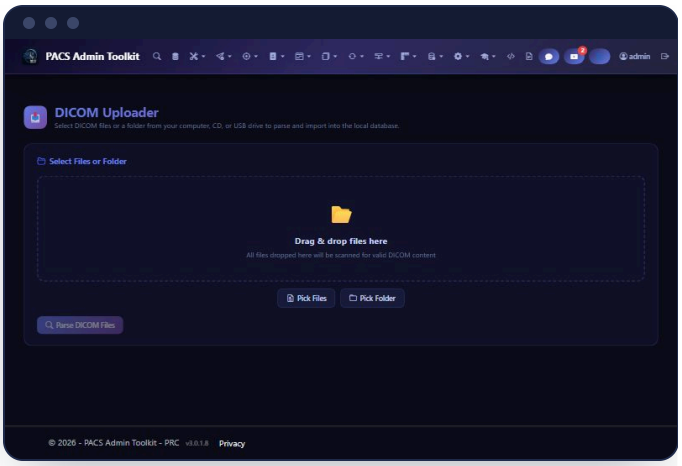
Bulk C-MOVE: paste or load a list, review it and start the job



Local Database Browser with view, send, edit, merge and export



Handshake Tester: one run proves a connection end to end



DICOM Uploader: an outside CD shown as a tree, prefixed before import

USE CASES

Where it pays off

Research export of 2,000 studies

CHALLENGE	A research team sends a spreadsheet of accession numbers that must reach a de-identification gateway, and wants proof of what was sent.
WITH PATK	The Bulk C-MOVE Requestor loads the Excel file, runs three rows at a time against the PACS, and flags NotFound rows for correction and retry.
OUTCOME	**The job finishes unattended, and the CSV audit goes straight to the research team.**

Manual fetching for a multi-site radiology group

CHALLENGE	A multi-site radiology group's PACS could not pull studies on demand from several archives to several destinations, so staff juggled vendor query screens.
WITH PATK	A dedicated PATK instance, rebranded as a "Manual DICOM Fetcher" with Config, Rebrand, gives staff the Study Browser and Bulk C-MOVE across every archive and destination.
OUTCOME	**One screen for every on-demand fetch, branded for that single job, alongside the existing PACS.**

Outside CDs at a busy imaging centre

CHALLENGE	Patients bring CDs from other hospitals whose MRNs clash with local ones.
WITH PATK	The Uploader prefixes outside patient IDs or files the studies under the matched local patient, then the Local Database Browser sends them to the PACS.
OUTCOME	**Outside studies reach the PACS under the right patient, without a desktop import tool on every front-desk PC.**

New modality go-live	
CHALLENGE	A new ultrasound shows "no worklist" and will not send, on the morning it goes live.
WITH PATK	The Worklist Tester queries as the modality; the Handshake Tester shows whether the association is refused or the port is closed.
OUTCOME	**The cause is found in minutes and fixed on the right system, without waiting for a vendor engineer.**

3T

Trust · Truth · Transform

Trust

Every action has its own permission; deletes are recoverable until purged; legal holds and keep policies stop deletes; merges can be rolled back.

Truth

Bulk jobs keep a row-by-row audit, testers keep their runs, and the queue shows every move and send with its error.

Transform

Requests that took a ticket and a wait become a few minutes in a browser, done by the people who need them.

VALUE MODEL

What it can be worth

An example regional imaging group handling ad-hoc DICOM requests in-house instead of through tickets and desktop tools.

Ad-hoc study retrievals per year (15 per working day)	3,750
Staff time saved per retrieval	6 minutes
Outside CDs imported per year	1,200
Staff time saved per CD	10 minutes
Bulk C-MOVE projects per year, 16 hours saved each	4
Connection problems diagnosed per year, 1.5 hours saved each	24
Blended PACS staff cost per hour	$55

$37,000

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

Shared, not personal
Desktop DICOM utilities live on one laptop; PATK keeps jobs, results and audit on the server for the whole team.

Bulk with proof
List-driven C-MOVE with per-row status and export replaces scripts that nobody else can read.

Safe by default
Recycling bin, protected studies and patch jobs with retries guard against the mistakes ad-hoc tools allow.

One platform
The same destinations, queue and login serve routing, prefetch, migration and reporting.

SPECIFICATIONS

At a glance

Standards	DICOM C-FIND, C-MOVE, C-STORE, C-ECHO, Modality Worklist C-FIND
Inputs	Remote archives, local store, CDs and folders, CSV / Excel / XML / JSON lists, scanned or uploaded documents
Tools	Study Browser, Bulk C-MOVE, Local Database Browser, viewer, Uploader, Sample Creator, testers
Housekeeping	Recycling bin with retention, patch jobs, Store Reindex, bulk job retention
Controls	Per-action permissions, protected studies, rollback for merges

See DICOM Tools 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

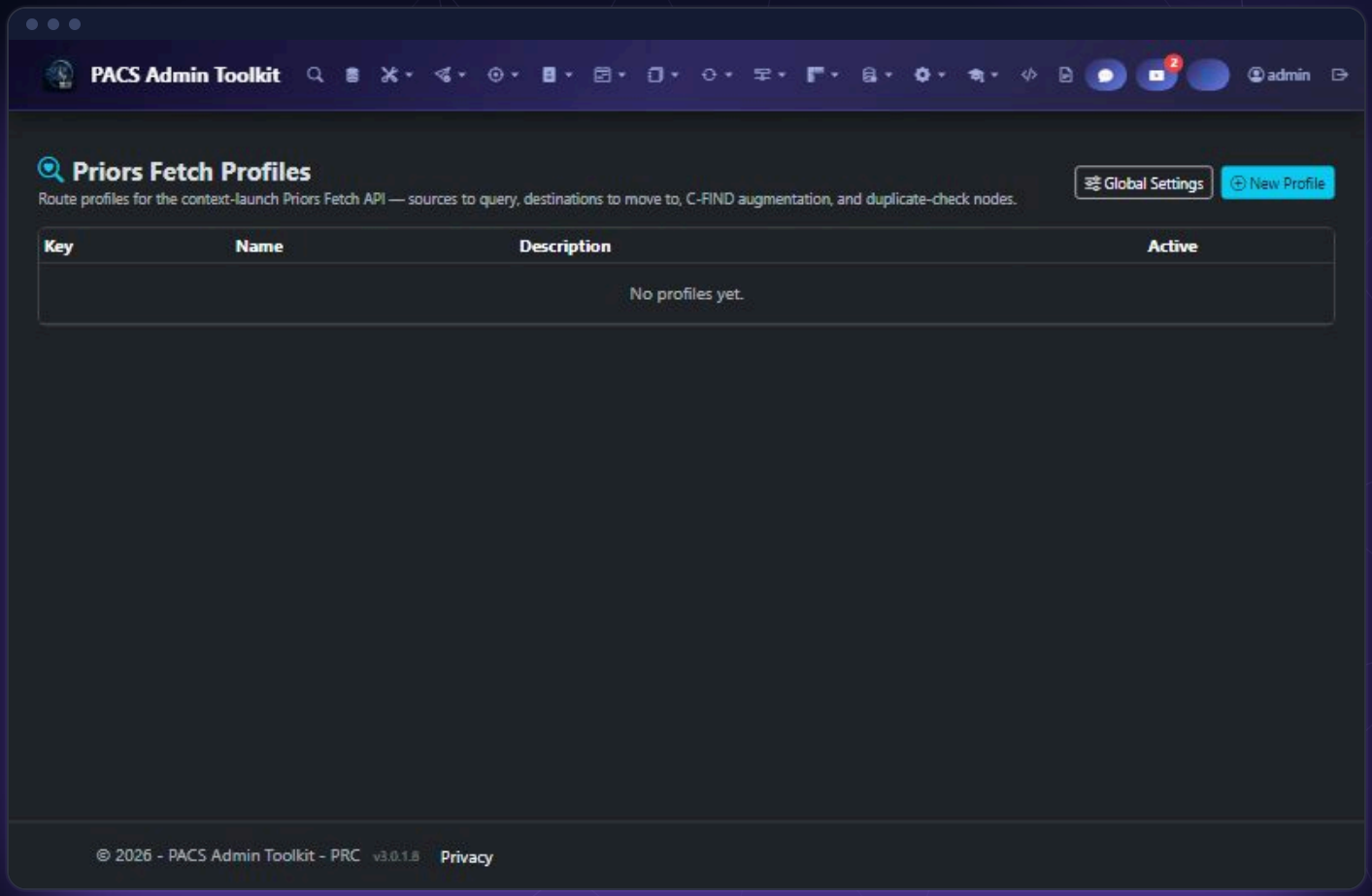
Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Imaging & Routing | Leads with Transform

Priors Fetch

One click from the reading worklist to every prior, fetched to every place it is needed.



A priors browser that the reading worklist or any other system opens in context with an API key. Users see the patient's studies from every archive, what each destination already holds, and fetch the ones they want to one or many destinations.

1 click
from the calling system to the patient's priors

Many
destinations served by one fetch

Traffic light
shows what each destination already holds

Replaces: **Manual priors requests to the PACS team**

License module `PRIORS`

THE CHALLENGE

Why it matters

Automatic prefetch never covers everything. A radiologist reading a case wants the old outside study, the exam from the partner hospital's archive, or a series that did not come over. Today that means a phone call or a message to the PACS team, who query one archive after another and send the study wherever it is needed.

Many PACS can only fetch from a fixed source to a fixed place, one study at a time. Groups that read for several sites end up with staff doing the same lookups in several vendor screens.

> IN SHORT
>
> A priors browser that the reading worklist or any other system opens in context with an API key. Users see the patient's studies from every archive, what each destination already holds, and fetch the ones they want to one or many destinations.

CAPABILITIES

What it does

- **Context launch**
  The calling system opens a priors page with the patient ID, or name and birth date, and a route, using its own application API key; the user needs no separate login.
- **Every archive at once**
  A profile names the sources to query; results from each appear as they answer, with study, series and image detail on demand.
- **What is already there**
  Each study shows a traffic light for the duplicate-check destinations: at none, at some, or at all of them, with "hide already retrieved" to clear the list.
- **Many destinations per fetch**
  One fetch moves the selection to every destination in the profile, at study, series or image level.
- **Filters for long histories**
  Description keywords, age, modality chips and grouping by anatomy narrow a long history to the relevant studies.
- **Matching you control**
  Profiles can inject the Issuer of Patient ID, set a date window, exclude modalities, override AE titles per source or destination, and match names flexibly when no patient ID is given.
- **Runs in the background**
  Fetches go through the DICOM queue with level-aware concurrency limits and keep running if the browser is closed.
- **Audited and expiring**
  Each launch and fetch is audited with the API key used and the patient searched; launch links expire and keys can be disabled, expired or revoked.

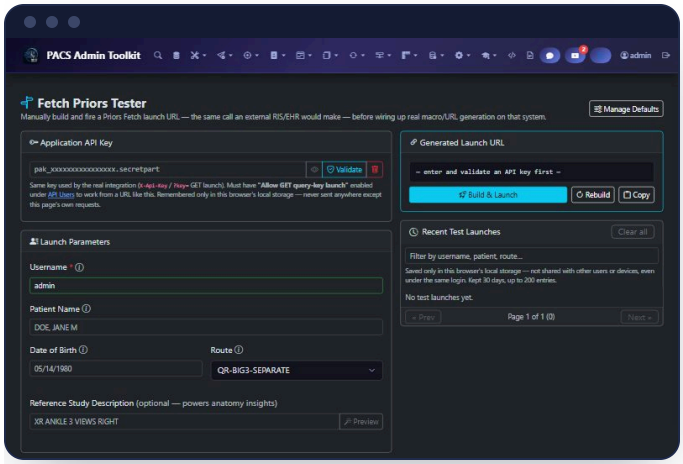
WORKFLOW

How it works

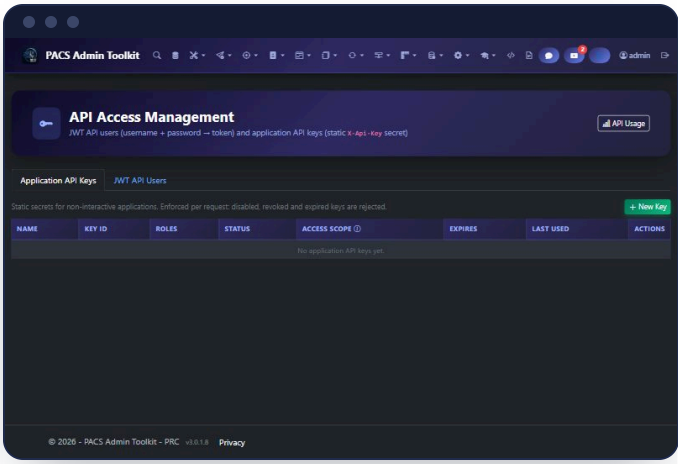
1. **Launch**
   The worklist, PACS or another system calls the launch API with its key, the patient and a route.
2. **Search**
   PATK C-FINDs every source in the profile and checks each destination for studies it already has.
3. **Choose**
   The user filters the list and ticks the studies, series or images to fetch.
4. **Fetch**
   C-MOVEs are queued to every destination in the profile and run in the background.
5. **Track**
   Progress shows in the page; the queue and audit log keep the record.

IN THE PRODUCT

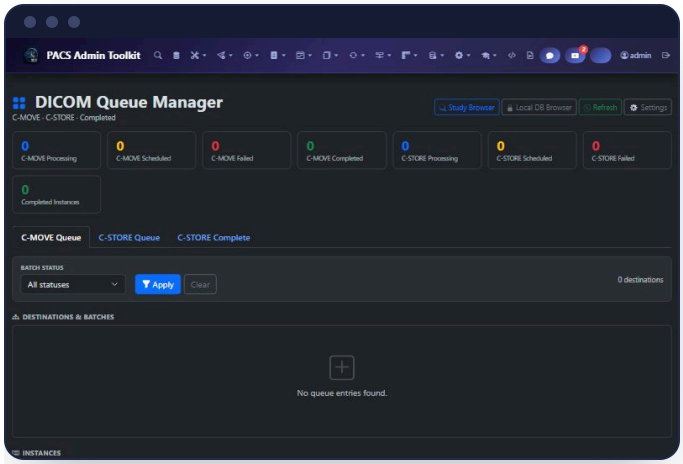
See it in action



The Fetch Priors Tester builds and opens a real launch before go-live



Application API keys for each calling system, with expiry and revocation



Fetches run through the DICOM queue and keep going after the browser closes

USE CASES

Where it pays off

On-demand priors for a multi-site radiology group

CHALLENGE	A multi-site radiology group's PACS fell short on dynamic, multi-destination, on-demand fetching of priors from several archives.
WITH PATK	A dedicated instance, rebranded with Config, Rebrand as a "Manual DICOM Fetcher", gives readers a priors page that queries every archive and fetches to each reading PACS in one action.
OUTCOME	**Readers pull what they need themselves, and the PACS team stops relaying priors requests.**

Teleradiology reading for several hospitals

CHALLENGE	After-hours radiologists read for hospitals whose histories live in different archives under different MRNs.
WITH PATK	Each hospital gets a profile that injects its issuer and queries its archives; the reading worklist launches the right profile for the case.
OUTCOME	**Priors from the right archive, for the right patient ID domain, without a call to the hospital overnight.**

Hospital network after an acquisition

CHALLENGE	A newly acquired hospital's studies are still in its legacy archive, while the network reads on its own PACS.
WITH PATK	A profile lists both archives as sources and the network PACS as destination; the traffic light shows which priors have already been brought over.
OUTCOME	**Legacy priors are available on request throughout the transition, before any migration finishes.**

3T

Trust · Truth · Transform

Trust

Each calling system has its own API key that can expire or be revoked; launch links expire; every launch and fetch is audited without storing the key.

Truth

Users see which archive holds each study and which destinations already have it, and the queue shows every move with its result.

Transform

Priors requests stop being phone calls and tickets; the person reading fetches what they need in a few clicks.

VALUE MODEL

What it can be worth

An example radiology group handling on-demand priors requests through PATK instead of through PACS staff.

On-demand priors requests per year (32 per working day)	8,000
PACS staff time saved per request (lookups in several archives, sends to each destination)	4 minutes
PACS staff cost per hour	$50
Radiologist waiting time saved per request	30 seconds
Radiologist cost per hour	$240

$43,000

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

- **Many sources, many destinations**
  One page searches every archive and fetches to every destination, which fixed-route PACS fetch screens rarely allow.
- **Shows what is already there**
  The duplicate check avoids re-sending studies a destination holds.
- **Opens in context**
  A simple API launch from any worklist or PACS, with no extra login for the reader.
- **One platform**
  Uses the same destinations, queue and audit as routing, prefetch and HL7 fetching.

SPECIFICATIONS

At a glance

Standards	DICOM C-FIND and C-MOVE at study, series and image level; REST launch API
Launch	POST or GET /api/priors/launch with an X-Api-Key application key; patient ID or name and birth date; route
Profiles	Sources, destinations, duplicate-check destinations, issuer injection, date window, excluded modalities, AE overrides
Tools	Priors Fetch Profiles, Fetch Priors Tester
Controls	Expiring links, key expiry and revocation, audited launches and fetches

See Priors Fetch 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

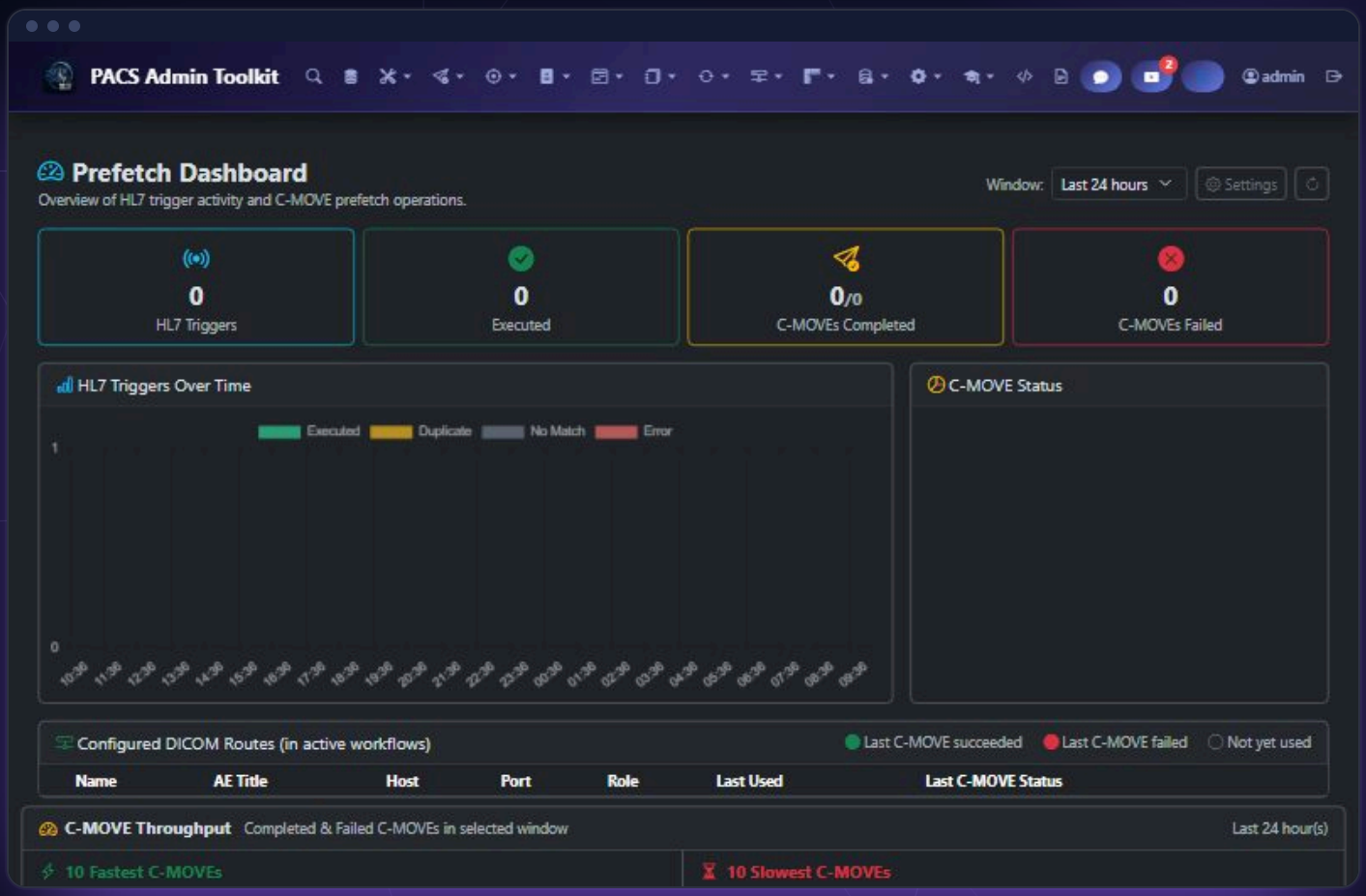
Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Imaging & Routing | Leads with Transform

Prefetching & HL7 Fetching

The order arrives, and the right studies are already on their way to where they are needed.



HL7 orders drive DICOM retrieval: prefetch picks a patient's relevant priors by matching rules, and HL7 Fetching pulls the exact study an order names. Every pick, skip and move is logged with its reason.

6
matching axes, each with its own quota

0
moves while a workflow runs in Demo Mode

Every
prior's pick or skip reason recorded

Replaces: **Prefetch engine or interface-engine scripts**

License module PREFETCH

THE CHALLENGE

Why it matters

When the comparison study is not on the reading PACS, someone has to go and get it, often while the radiologist waits. Prefetch rules that should prevent this are hard to tune: they fetch too much, miss the study everyone wanted, and nobody can say why.

Other studies need to move because of an order too: an outside exam scheduled for a read, a study bound for an analysis platform. Interface-engine scripts do this today, with little visibility when they fail.

> IN SHORT
>
> HL7 orders drive DICOM retrieval: prefetch picks a patient's relevant priors by matching rules, and HL7 Fetching pulls the exact study an order names. Every pick, skip and move is logged with its reason.

CAPABILITIES

What it does

- **Orders in over MLLP**
  HL7 listeners acknowledge each order, drop duplicates inside a window, and run rule sets on any HL7 field to decide which workflows run.
- **Relevant priors, by rule**
  Prefetch workflows query the sources and fill six axes (most recent, description, body part, similar description, modality, keyword), each with its own quota.
- **Matching you can tune**
  Description normalizations, alias and body-part maps, priority boosts, contrast and anatomy guards, and cross-MRN searching with name verification.
- **The exact study, when it exists**
  HL7 Fetching finds the study an order names by accession or Study UID and keeps searching on a timer until it reaches the source.
- **Many destinations, with failover**
  Move to every destination, or try them in order until one succeeds; unhealthy sources and destinations are tried last automatically.
- **Only what is needed**
  Prefetch skips studies a destination already holds or a home archive serves; HL7 Fetching can move only the series that match your conditions.
- **On your schedule**
  Delays, run windows and hold-until dates shift moves out of busy hours, with a separate concurrency cap for released backlogs.
- **Prove it first**
  Demo Mode runs everything except the C-MOVE; the Prior Match Advisor replays past orders against a change before it goes live.

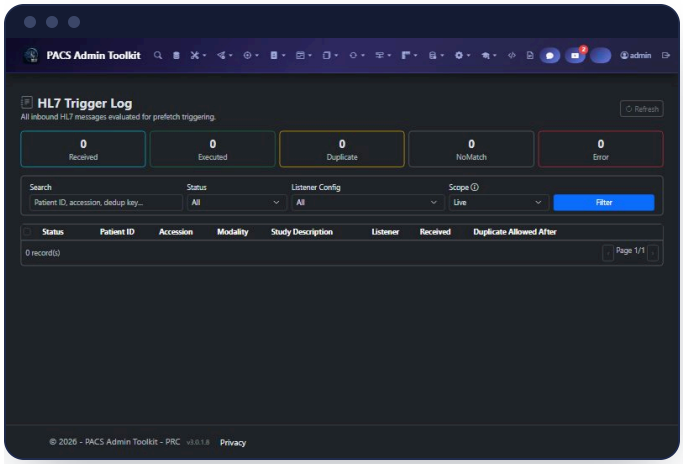
WORKFLOW

How it works

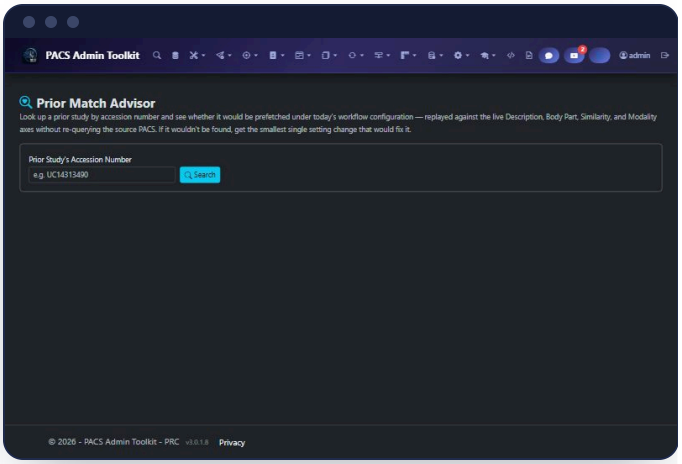
1. **Order arrives**
   The RIS or EHR sends an HL7 order; PATK acknowledges and logs it.
2. **Rules decide**
   Duplicate checks and rule sets pick the workflows to run.
3. **Sources queried**
   Healthy sources are C-ECHOed and C-FINDed for the patient or the named study.
4. **Studies chosen**
   Prefetch scores priors on its axes; HL7 Fetching takes the study the order names.
5. **Moves queued**
   C-MOVEs go to each destination with retries, schedules and a stuck-move watchdog.

IN THE PRODUCT

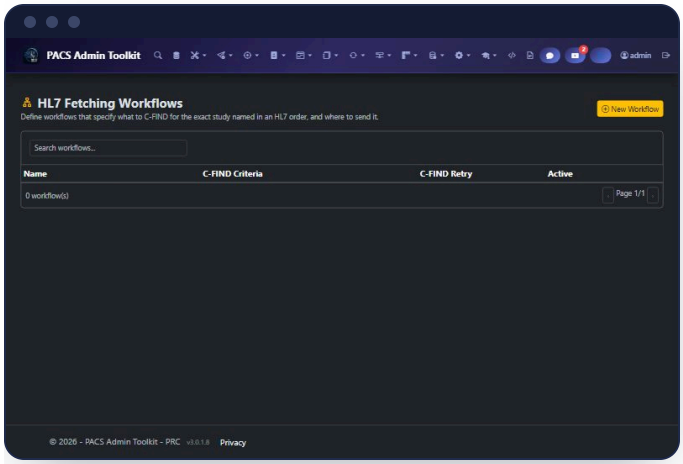
See it in action



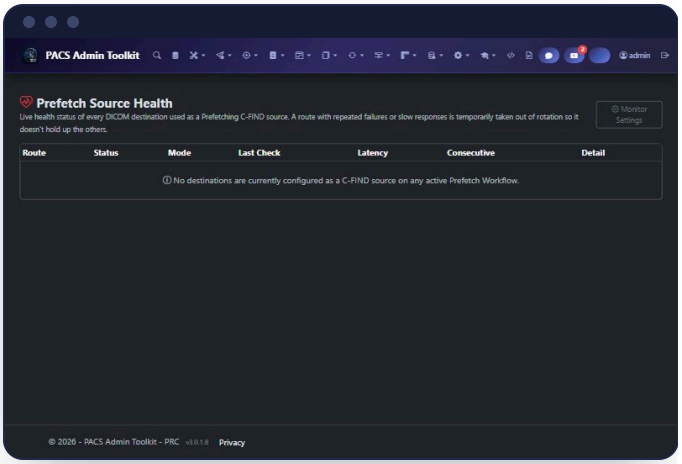
The Trigger Log shows every order and why each prior was or was not chosen



The Prior Match Advisor replays past orders against a change



HL7 Fetching workflows: sources, destinations, criteria, retries and schedules



Source Health skips archives that are down and alerts by e-mail

USE CASES

Where it pays off

Priors ready before the read at a hospital network

CHALLENGE	CT and MR priors live in the enterprise archive, and readers keep asking for studies the old prefetch missed.
WITH PATK	A prefetch workflow runs in Demo Mode for a day; the Trigger Log shows abbreviated descriptions as the cause, and a mapping plus a priority rule fix them before go-live.
OUTCOME	**Prefetch decisions the radiologists can read and the PACS team can change, checked against real orders first.**

Workflow-driven fetching for an AI platform

CHALLENGE	A multi-site radiology group needed studies sent to an AI analysis platform when specific orders arrive, without manual sends.
WITH PATK	A dedicated, rebranded PATK instance receives HL7 triggers, C-FINDs the source archive and C-MOVEs the matching studies to the AI platform, retrying until the study arrives.
OUTCOME	**Studies reach the analysis platform as part of the order workflow, with every trigger and move logged.**

Priors under a partner hospital's MRN

CHALLENGE	Patients transfer from a partner hospital whose studies sit in the same archive under different MRNs.
WITH PATK	Cross-IPID searching finds studies by name and birth date; name verification and name equivalences drop near misses.
OUTCOME	**Partner priors are fetched with the order, and each exclusion is logged with its name score.**

Backlog moves outside clinical hours

CHALLENGE	A large batch of outside studies must reach the reading PACS without slowing the archive during the day.
WITH PATK	An HL7 Fetching workflow finds each study when the order arrives but holds its move for a 02:00 to 06:00 window with a lower concurrency cap.
OUTCOME	**The archive keeps its daytime performance, and the studies are on the PACS by morning.**

3T

Trust · Truth · Transform

Trust

Duplicate orders are suppressed, unhealthy sources are skipped, stuck moves are re-queued, and Demo Mode tests changes without moving a single study.

Truth

The Trigger Log records each order, each source's results and the reason every prior was or was not chosen; dashboards show moves by result.

Transform

Studies are where readers and platforms need them when the order arrives, instead of being requested by hand afterwards.

VALUE MODEL

What it can be worth

An example 150,000-exam-a-year network moving from manual retrievals to order-driven prefetch and fetching.

Exams per year	150,000
Exams whose priors live in another archive	60% (90,000)
Manual retrieval requests avoided (5% of those exams)	4,500
Staff time per manual retrieval	8 minutes
Outside or archived studies fetched by order per year	3,000
Staff time saved per fetched study	5 minutes
Blended PACS staff cost per hour	$50

$42,500

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

- **Explains every decision**
  Each pick and skip has a reason, and the advisor suggests the setting to change, where typical prefetch engines are a black box.
- **Two jobs, one module**
  Relevant-priors prefetch and exact-study HL7 fetching share routes and monitoring but keep separate rules and queues.
- **Safe to change**
  Demo Mode and side-by-side workflow copies let you tune on live orders without moving anything.
- **One platform**
  Orders, routing, priors browsing and worklist share one product, one login and one audit trail.

SPECIFICATIONS

At a glance

Standards	HL7 v2 orders over MLLP with ACK; DICOM C-ECHO, C-FIND and C-MOVE at study and series level
Triggers	Listeners with field mappings, duplicate windows, sending-application and message-type filters, rule sets
Matching	Six axes with quotas, normalizations, description and body-part maps, priority rules, cross-IPID with name checks
Delivery	Multiple destinations, first-success order, automatic failover, delays, run windows, retries, watchdog
Monitoring	Dashboards, Trigger Logs, C-MOVE queues, Source Health with e-mail alerts, Prior Match Advisor

See Prefetching & HL7 Fetching 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

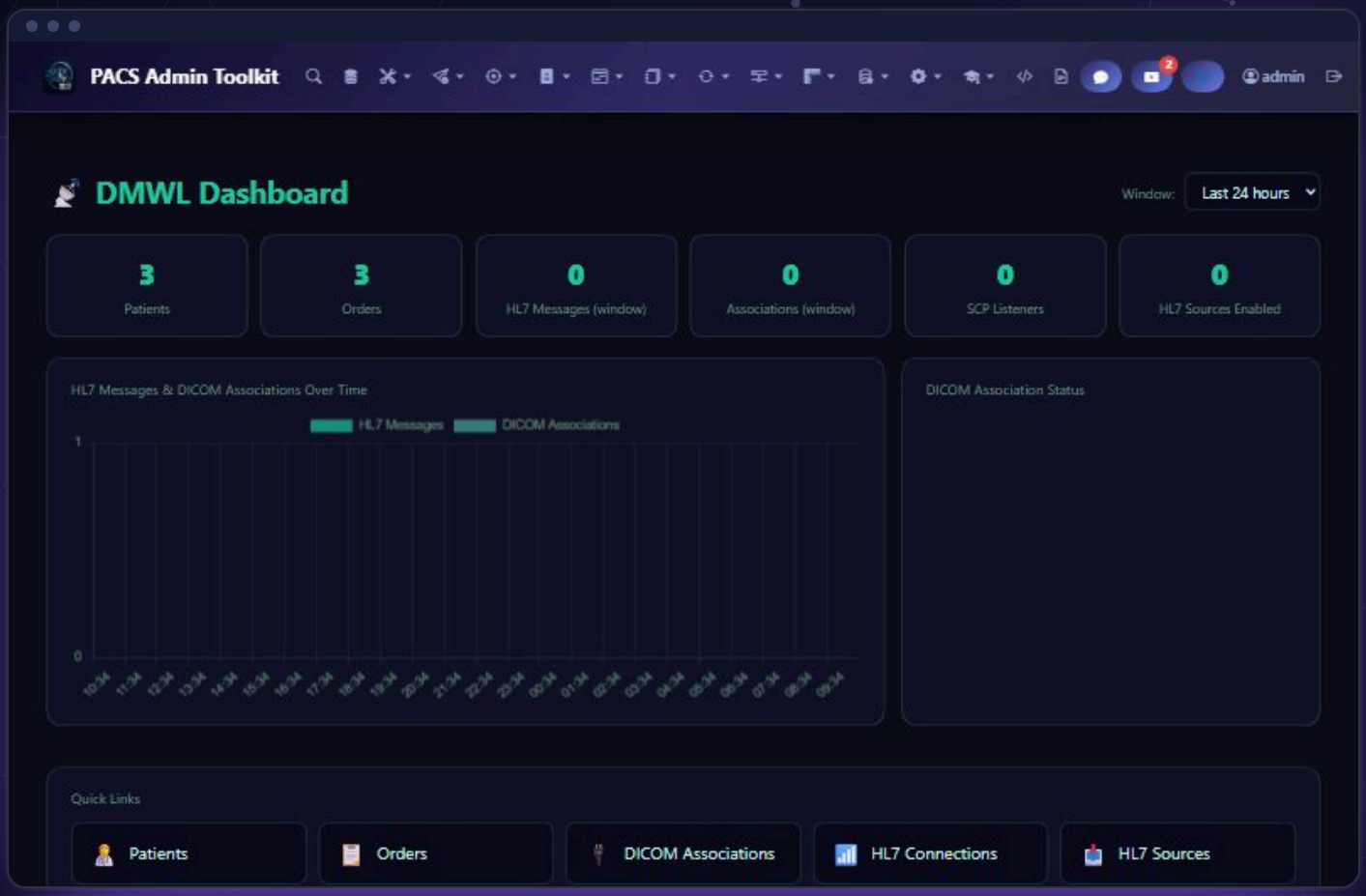
Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Orders & Worklist | ✧ Leads with Transform

Modality Worklist

HL7 orders in, the right worklist out to every modality, with nothing re-typed.



A complete DICOM Modality Worklist server fed by your RIS or EHR orders. Per-device rules, query rewriting and a built-in simulator give every room exactly the list it needs.

0
demographics re-typed at the scanner

Per room
lists shaped by device rules and morphers

Side by side
parity check before you switch over

Replaces: **Stand-alone worklist broker**

License module `DMWL`

THE CHALLENGE

Why it matters

Every exam that starts with a technologist typing a name, a birth date and an accession number is an exam that can end up in the PACS under the wrong patient. Those mismatches surface hours later as "broken" studies that a PACS administrator has to find, investigate and merge by hand.

Worklist brokers that should prevent this are often a black box: a modality sees too many orders, or none, and nobody can show why. Changing one is risky because there is no way to prove the new list matches the old one.

> IN SHORT
>
> A complete DICOM Modality Worklist server fed by your RIS or EHR orders. Per-device rules, query rewriting and a built-in simulator give every room exactly the list it needs.

CAPABILITIES

What it does

- **Orders straight from HL7**
  MLLP listeners receive ORM and ADT messages from the RIS, EHR or interface engine, acknowledge them and turn them into worklist orders.
- **Mappings you can test**
  Map any HL7 field to any patient, order or extra DICOM worklist field, with composites, macros and pattern replacements, and check every value against a real sample message before saving.
- **Rules by content, sender or time**
  HL7 rules choose a mapping per message, so a second hospital or a new order type gets its own handling without touching the first.
- **A list shaped for each room**
  Allowed devices admit modalities by AE title, IP range and port; device rules and Find Morphers rewrite their queries (today only, CR also shows DX, one station only).
- **Patient updates follow through**
  ADT updates and merges move orders to the surviving patient and correct the copies modalities receive.
- **Pull in other worklists**
  External providers query another worklist server every five minutes and serve those orders alongside your own.
- **Proof before go-live**
  The Pipeline Simulator walks a query through admission, rules, morpher and mapping; the Parity Checker asks the old worklist server and PATK the same question as every modality and compares the answers.
- **Everything logged**
  Every HL7 message (Routed, NoMatch, Error) and every modality association is recorded, with a dashboard over both.

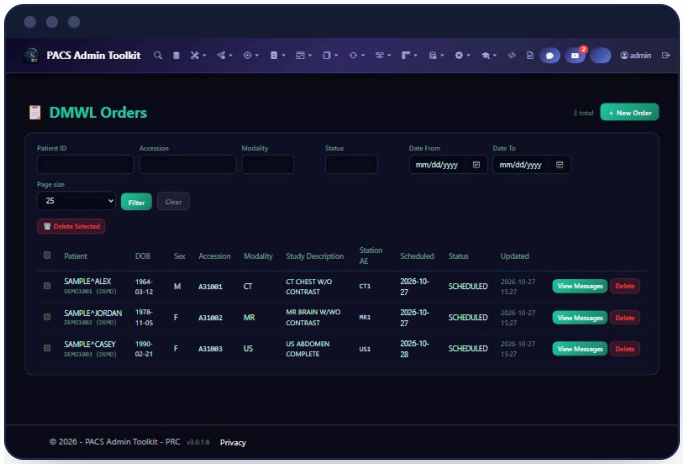
WORKFLOW

How it works

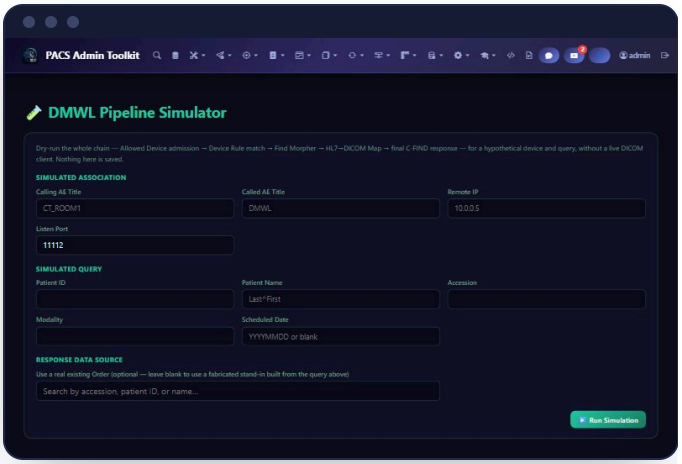
1. **Orders arrive**
   The RIS sends ORM/ADT over MLLP; PATK acknowledges each message and logs it.
2. **Rules and mappings**
   The matching HL7 rule picks a mapping that builds the patient and order.
3. **Modality asks**
   A scanner sends a C-FIND worklist query; its allowed-device entry admits it.
4. **Query shaped**
   A device rule applies a Find Morpher and response mapping for that room.
5. **List returned**
   Matching orders go back with the standard worklist fields and any extras you mapped.

IN THE PRODUCT

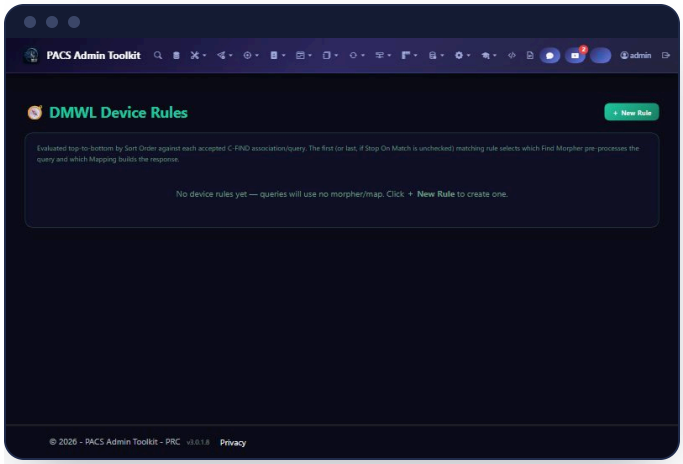
See it in action



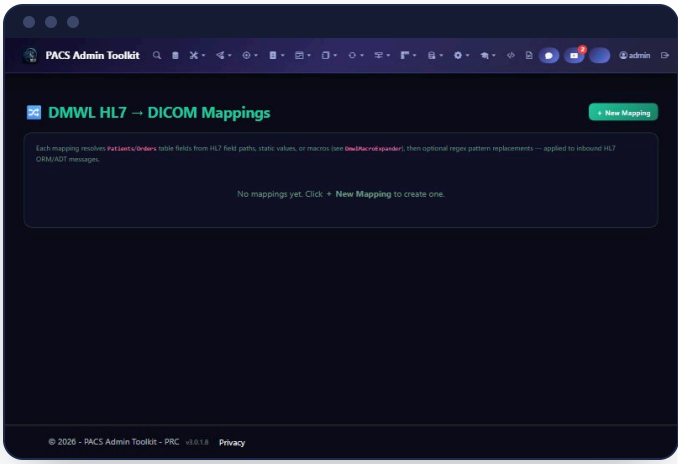
Orders, with every HL7 message that created or changed them



The Pipeline Simulator dry-runs a modality query, step by step



Device rules pick the query rewrite and response for each room



HL7 to DICOM mappings, tested against a real sample message

USE CASES

Where it pays off

Outpatient imaging centre, five modalities

CHALLENGE	Technologists type demographics for walk-in and scheduled patients; misspelled names create unmatched studies every week.
WITH PATK	Orders from the RIS land on each scanner's worklist; a Find Morpher limits each room to today's orders for its own station.
OUTCOME	**Demographics come from the order of record, and the weekly clean-up of mismatched studies shrinks to the exceptions.**

Hospital network adding a second facility

CHALLENGE	A newly acquired hospital sends orders from a different RIS with different field conventions.
WITH PATK	A second HL7 source and rule route that hospital's messages through their own mapping; device "serve only" settings keep each site's modalities on their own orders.
OUTCOME	**One worklist service for both sites, set up in an afternoon, with no change to the first site's configuration.**

Replacing an end-of-support worklist broker

CHALLENGE	The existing broker is out of support, but nobody can say exactly what each modality receives today.
WITH PATK	External providers pull the legacy worklist during transition; the Parity Checker compares both servers' answers for every modality's query.
OUTCOME	**A cut-over decided on evidence, room by room, with a documented match.**

3T

Trust · Truth · Transform

Trust

Modalities are admitted by AE title, IP range and port; senders by address; every message and association is logged, and patient merges correct the worklist copies too.

Truth

See exactly why a room got the list it did: the simulator shows each step, and the dashboard shows HL7 and modality traffic over time.

Transform

Technologists pick the patient instead of typing; administrators stop chasing demographic mismatches and change rules in minutes, not change tickets.

VALUE MODEL

What it can be worth

An example 120,000-exam-a-year department moving from manual entry (or an opaque broker) to a managed worklist.

Exams per year	120,000
Exams that would otherwise need manual demographic entry	25% (30,000)
Technologist time saved per manual entry	1.5 minutes
Mismatched studies avoided per year (0.5% of manual entries)	150
PACS administrator time to find and fix one mismatched study	20 minutes
Blended staff cost per hour	$45

$36,000

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

- **Testable, not a black box**
  The simulator and parity checker show what a modality receives before it does, which stand-alone brokers rarely offer.
- **Part of the same platform**
  Orders, routing, prefetch and reporting live in one product with one login, one audit trail and one support contract.
- **Changes without downtime**
  Rules, mappings and devices change from the browser; configuration exports copy a tested setup from test to production.
- **Built for multi-site**
  Facility and site ownership limits each modality to its own orders when Access Topology is licensed.

SPECIFICATIONS

At a glance

Standards	DICOM Modality Worklist (C-FIND), C-ECHO; HL7 v2 ORM and ADT over MLLP with ACK
Inputs	HL7 listeners (one or many), external worklist servers polled every 5 minutes
Controls	Allowed devices (AE, IP / CIDR, port, connection caps), HL7 rules, device rules, Find Morphers
Tools	Pipeline Simulator, Worklist Parity Checker, configuration import / export
Housekeeping	Hidden order statuses, result limits, order retention

See Modality Worklist 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

Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

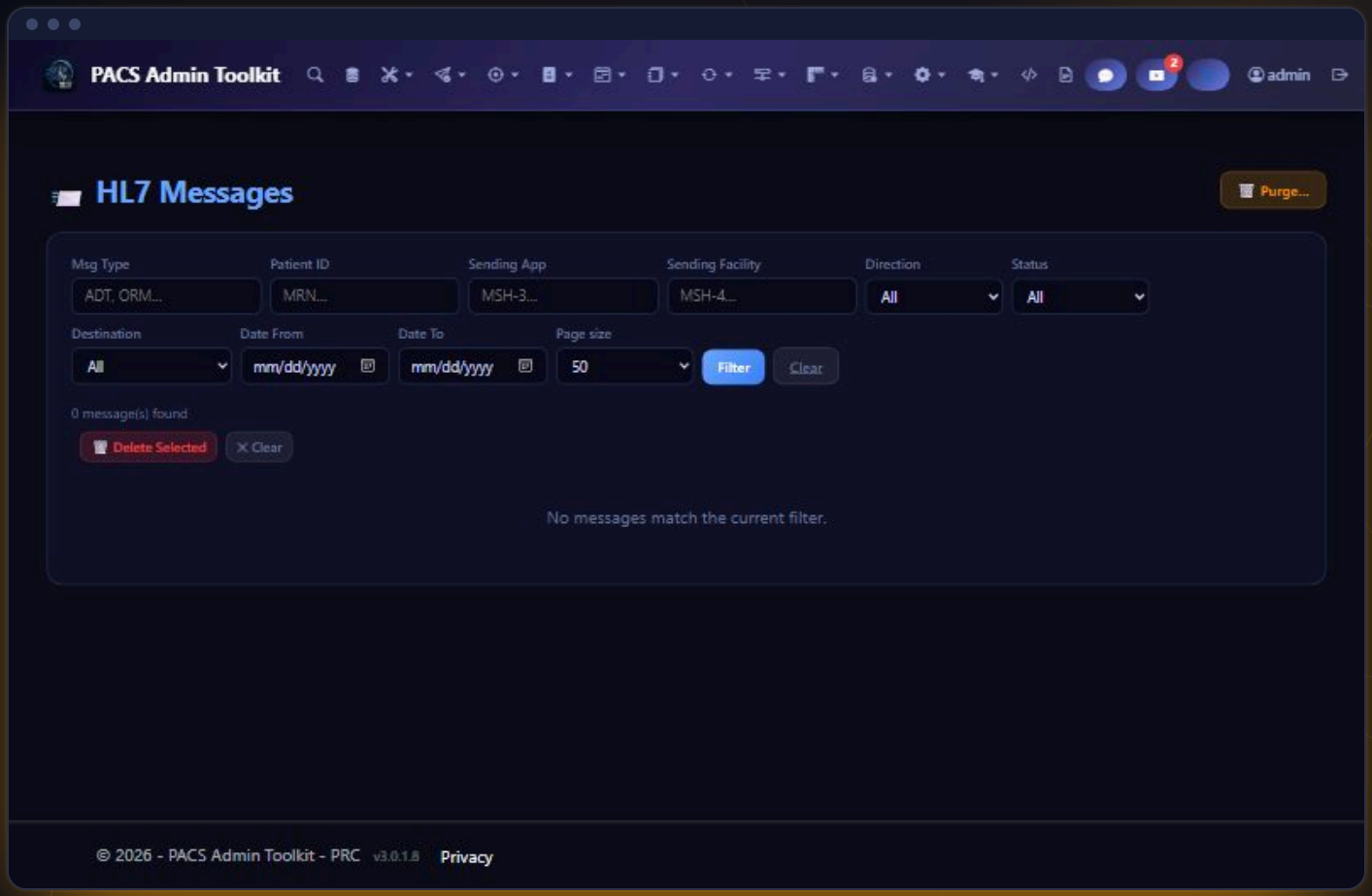
Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Platform & Integration

Leads with Truth

HL7 Messaging

Receive, log, edit and deliver HL7 with retries, ACK checks and a searchable record.



MLLP listeners that store and acknowledge every HL7 message, and a delivery queue that retries until the receiver accepts. Field Editor rules fix messages on the way in or out, message templates check what each interface really sends, and every message can be searched, read and resent.

Every
inbound message stored, indexed and searchable

AA only
counts as sent unless you choose otherwise

Per destination
retries, threads, ACK rules and field edits

Replaces: **Interface engine channels built only for logging and delivery**

License module HL7

THE CHALLENGE

Why it matters

When a result never reaches the RIS or an order never reaches radiology, the first question is always "did we send it, and what came back?" Too often the answer sits in an interface engine log that radiology cannot see, or nowhere at all.

Receivers go down overnight, reject a message for a missing field, or expect a different MSH-5. Without a queue that retries, a record of every attempt and a way to fix and resend, each of those becomes a manual hunt and a phone call.

IN SHORT

MLLP listeners that store and acknowledge every HL7 message, and a delivery queue that retries until the receiver accepts. Field Editor rules fix messages on the way in or out, message templates check what each interface really sends, and every message can be searched, read and resent.

CAPABILITIES

What it does

- **Listeners that keep everything**
  MLLP listeners on any port store each message (any v2.x version), index its header, patient, visit and order fields, and answer with an ACK that echoes the sender.
- **Honest acknowledgements**
  AA only when the message parsed and was saved; AE with the reason when it did not, so the sender knows to keep it.
- **Type filters**
  Accept only the message types and triggers you want (ADT, ORM, ADT^A08); anything else is answered "ignored" so the sending engine never stalls.
- **A delivery queue that retries**
  Outbound messages are queued per destination with priorities, worker threads, retry counts and delays, and survive a restart.
- **ACK rules per receiver**
  Each destination decides what counts as delivered: AA only, AA or CA, any response, or fire and forget.
- **Field Editor rules**
  Fix fields and segments on inbound messages before they are stored, or on outbound messages just before they are sent: copy, set, pad, trim, split, find and replace, map codes, reformat dates, add or delete segments, each rule built from plain steps with optional conditions.

Recipes, lookup tables and a live test

Start from ready-made rules (fill a missing MRN issuer, translate patient class, blank the SSN), translate codes through lookup tables of thousands of rows pasted from a spreadsheet, and see each step's result on a real message before a rule touches traffic.

Message templates that check interfaces

Describe a message type from built-in ADT, ORM, OMI, ORU, SIU, MDM and DFT examples or from a real message, then paste messages to see missing required fields, wrong lengths, bad dates and unexpected segments.

Listener safeguards

Limit each listener to known sender addresses and sending applications, cap message size and connections, and close idle connections, all set with plain fields and tips.

Search, read and resend

Filter by type, patient ID, sending application, direction, status and date; read any message field by field; resend it to one or more destinations, edited if needed.

Reprocess after an outage

Failed batches go back to the queue with retries reset, oldest first, with urgent ones set to Expedited.

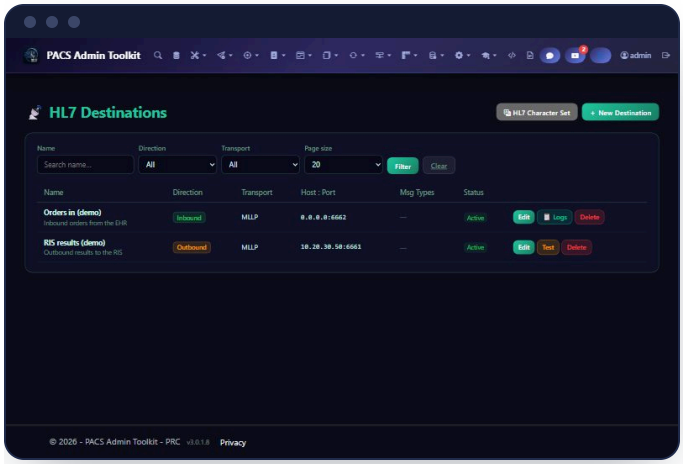
WORKFLOW

How it works

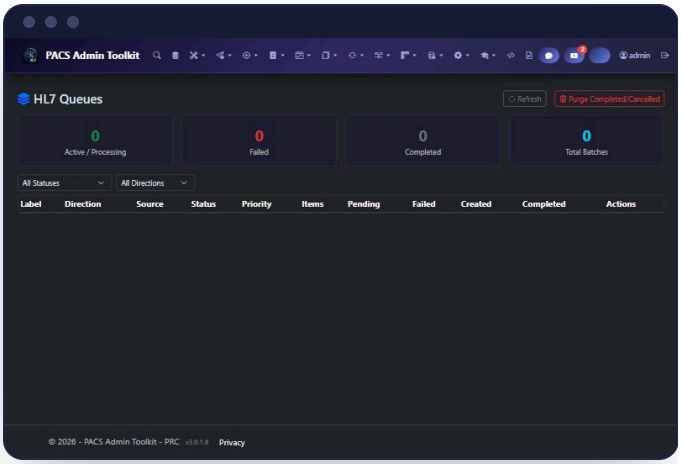
1. **Message arrives**
   The EHR, RIS or interface engine connects to a listener port over MLLP.
2. **Filtered and edited**
   The type filter and any assigned Field Editor rules apply.
3. **Stored and acknowledged**
   The message is parsed, indexed in HL7 Messages and answered AA or AE.
4. **Outbound queued**
   Messages built by DICOM to HL7 join the queue, one item per destination.
5. **Delivered and checked**
   Each item is sent over MLLP, the ACK is read, and it is marked Sent or retried.

IN THE PRODUCT

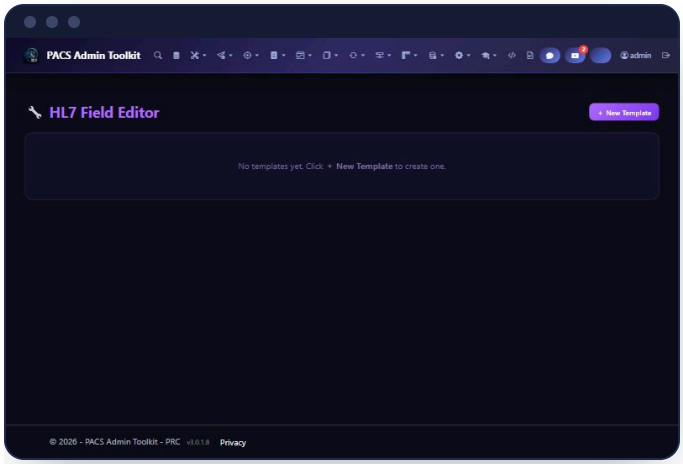
See it in action



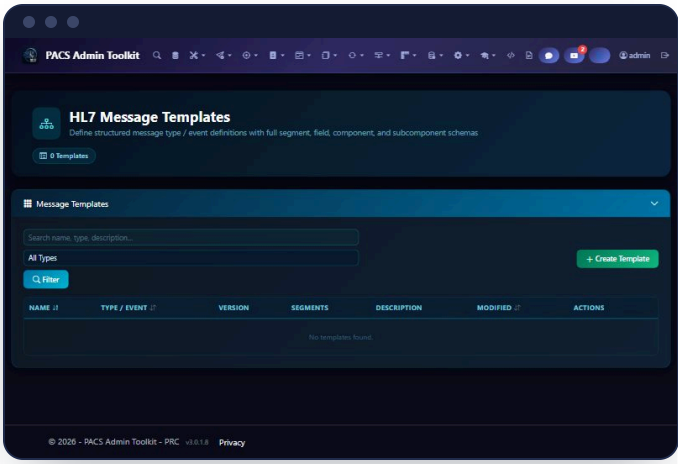
Listeners and senders, with ACK, retry and MSH settings



The delivery queue: priorities, retries and reprocess



Field Editor rules built step by step, tested on a real message before they go live



Message templates describe each interface and check its messages

USE CASES

Where it pays off

Radiology needs to see what the EHR sends

CHALLENGE	Orders and patient updates go missing between the EHR and radiology, and only the interface team can look at the traffic.
WITH PATK	The interface engine adds a copy feed of ADT and ORM to a PATK listener; radiology IT searches by MRN and reads PID and PV1 field by field.
OUTCOME	**"Was it sent?" is answered in a minute by the people who asked, without a ticket to another team.**

Results receiver down overnight

CHALLENGE	The RIS interface restarted at 2 a.m. and every result sent meanwhile failed.
WITH PATK	Failed batches stay in HL7 Queues with the reason; once the receiver is back, Reprocess sends them oldest first, urgent ones Expedited.
OUTCOME	**No results re-keyed and none lost; a longer retry delay rides out the next outage on its own.**

Two receivers, two conventions

CHALLENGE	The RIS and the billing system want the same results with different MSH-5 values and a reformatted date.
WITH PATK	Each destination carries its own MSH settings and Field Editor template; each gets its own queue item and retries.
OUTCOME	**One feed serves both, and a failure at one receiver never holds up the other.**

3T

Trust · Truth · Transform

Trust

Messages are kept before they are acknowledged, the queue survives restarts, and a scheduled or in-flight item is never sent twice; purges need Delete and Purge permissions.

Truth

Every message, ACK, send attempt and error is recorded and searchable, with each listener's live log beside it.

Transform

Fixing a field, re-pointing a receiver or replaying an outage takes minutes in the browser instead of an interface change request.

VALUE MODEL

What it can be worth

An example radiology department that today relies on an interface team for HL7 visibility and redelivery.

HL7 questions investigated per month ("was it sent, what came back")	30
Time saved per investigation with a searchable log	30 minutes
Receiver outages per year	6
Messages to re-send or re-key by hand per outage	200 at 3 minutes each
Blended IT / interface analyst cost per hour	$60
Avoided interface engine channel licensing or build for logging and delivery	$10,000

$24,400

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 the radiology team
The log, queue and resend live in the same product as routing and worklist, not in an interface engine only the integration team can open.

Delivery you can prove
Each attempt, ACK code and error is kept with the message, which simple MLLP senders and scripts do not record.

Edits without code
Field Editor rules and lookup tables replace one-off scripts and are tested step by step on a real message before they touch traffic.

Multi-site aware
With Access Topology, each user sees only their units' messages and a destination can accept only its own unit's data.

SPECIFICATIONS

At a glance

Standards	HL7 v2.x over MLLP, with ACK (AA / AE / AR, enhanced CA / CE / CR)
Inbound	Listeners on any port, message type filter, allowed senders and applications, size / connection / idle limits, store and ACK switches
Outbound	Queue with priorities, worker threads, retries, retry delay, connect and ACK timeouts, accept mode, MSH fill or overwrite
Tools	Field Editor templates with recipes and lookup tables, message templates with a message checker, Test Connection, Resend, live listener logs
Housekeeping	Purge by status and age, purge completed / cancelled batches, UTF-8 or ASCII character set

See HL7 Messaging 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

---

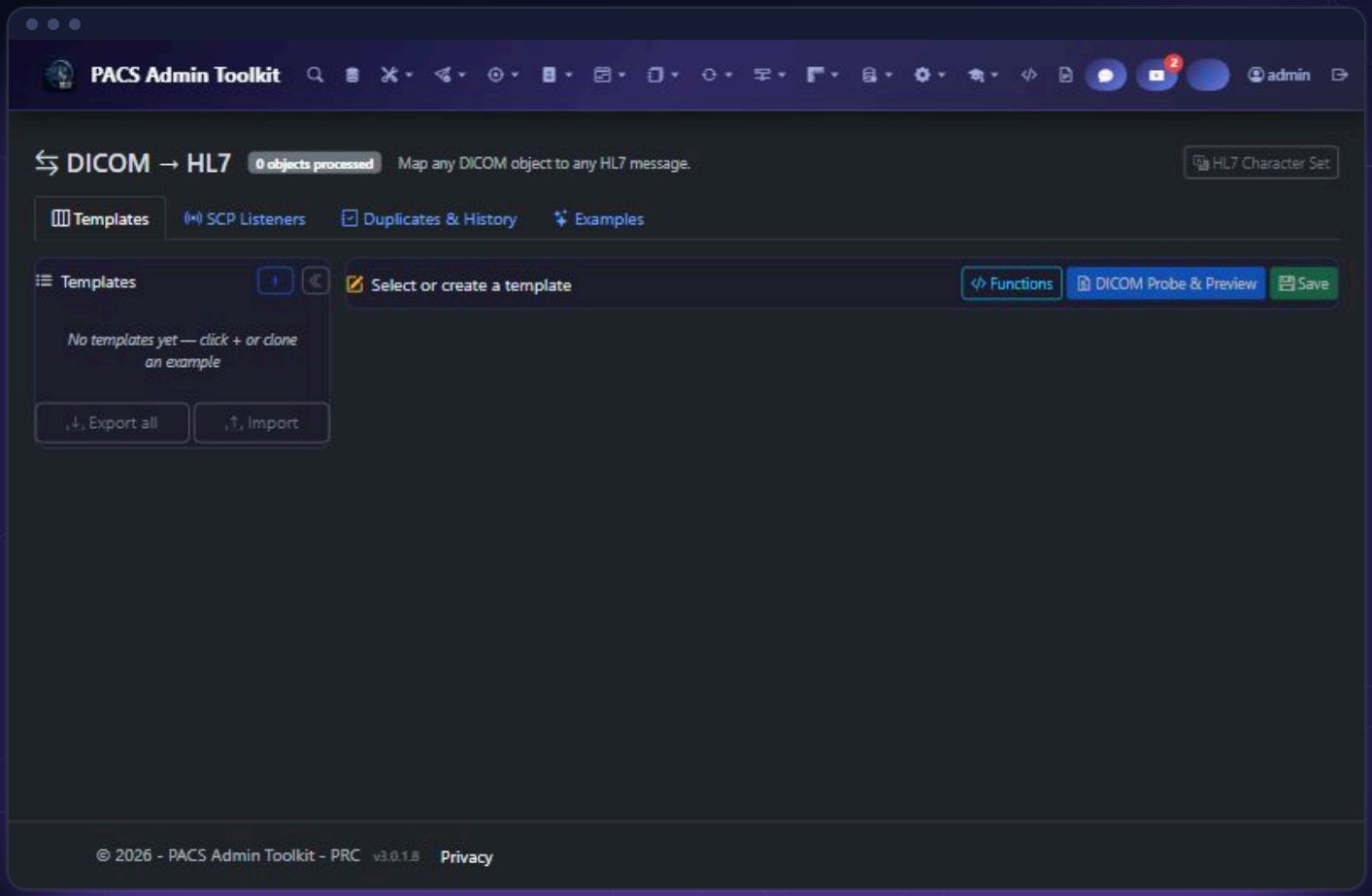
Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Reports & Results | ✦ Leads with Transform

DICOM to HL7

Images and reports arriving as DICOM become the HL7 messages your RIS and EHR expect.



A DICOM listener that turns received objects into HL7 messages: report text to ORU, temporary orders for walk-in studies, or any message your systems need. Templates, filters and duplicate holds decide what is sent, and every study can be reprocessed or edited and resent.

1
message per study by default, later images held as duplicates

Any
DICOM tag, SR item or report text to any HL7 field

Per destination
its own mappings, queue item and retries

Replaces: **Custom interface scripts or engine channels that parse DICOM**

License module `DICOM_TO_HL7`

THE CHALLENGE

Why it matters

Some of the most useful information in radiology only exists as DICOM: a reporting system that stores its reports as SR, a walk-in study that reached the PACS before the RIS had an order, a modality that knows a study is complete. The RIS and EHR only understand HL7.

Bridging the two usually means a custom script or an interface engine channel that someone built years ago and nobody wants to touch. When a message is wrong or missing, there is no record of which study produced it or why.

> IN SHORT
>
> A DICOM listener that turns received objects into HL7 messages: report text to ORU, temporary orders for walk-in studies, or any message your systems need. Templates, filters and duplicate holds decide what is sent, and every study can be reprocessed or edited and resent.

CAPABILITIES

What it does

- **A DICOM listener for HL7**
  Modalities, the PACS or a router send objects to an AE title and port; the sender gets its C-STORE success as soon as the object is handled.
- **Templates with filter rules**
  Each template sets the message type, event and version and its destinations; filter rules (modality, SOP class, any tag) decide which objects it applies to, first match wins.
- **Map anything**
  Source a field from a DICOM tag, a sequence path, an SR content item, the report body, a static value or a dynamic value, with transforms; MSH and PID / OBR / PV1 can fill themselves.
- **Report text as OBX lines**
  Repeating segments put report text one line per OBX, with headings such as FINDINGS and IMPRESSION, and hard-wrapped text can be joined back into paragraphs.
- **One message per study**
  Duplicate detection (default Study Instance UID for 180 days, or accession, or per image) and study sampling keep later images from creating more messages.
- **Different fields per receiver**
  With two or more destinations, a destination can have its own profile of mappings and gets its own queue item.
- **Preview before you send**
  DICOM Probe and Preview builds the message from a sample, an uploaded file or a local study; listeners can store messages without queueing them for a dry run.
- **Fix and resend**
  Duplicates and History shows every study; Reprocess, Edit and send (change a value or hand-edit the HL7) or clear a duplicate hold from there.

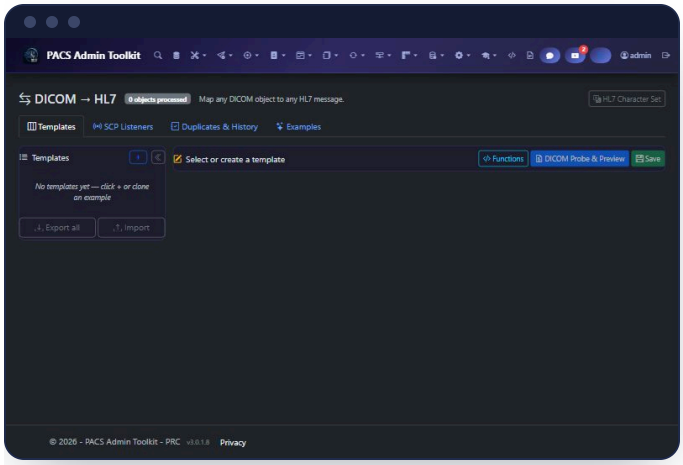
WORKFLOW

How it works

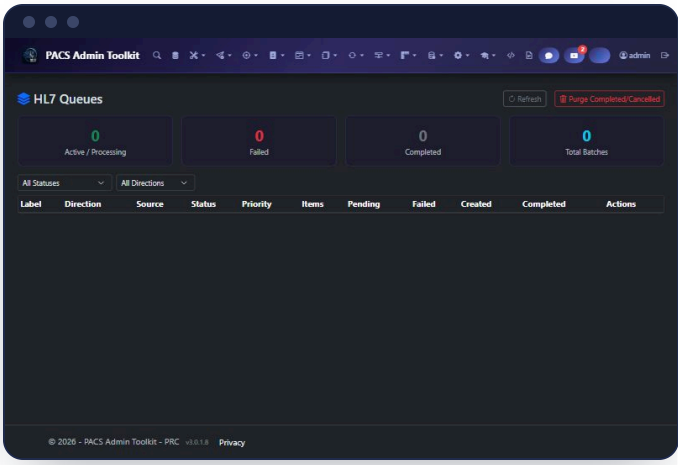
1. **Object arrives**
   A modality or PACS sends a DICOM object to a DICOM to HL7 listener.
2. **Sampled and matched**
   Optional study sampling keeps the best instance; the first template whose filters pass is chosen.
3. **Duplicate check**
   A study already processed within the window is held, not sent again.
4. **Message built**
   Field mappings and transforms build one message per destination.
5. **Queued and delivered**
   The HL7 queue sends each message over MLLP and checks the ACK.

IN THE PRODUCT

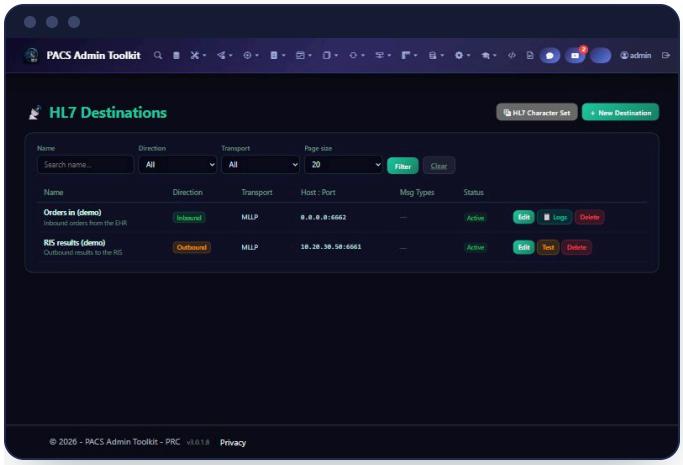
See it in action



Templates, SCP listeners, duplicates and history in one page



Generated messages are delivered through the HL7 queue with retries



Each receiver's MSH settings fill the message header

USE CASES

Where it pays off

Reporting system that stores reports as SR

CHALLENGE	A reporting system writes its final reports into the PACS as DICOM SR; the RIS needs them as ORU^R01 and staff copy text across by hand.
WITH PATK	A template filtered to modality SR builds ORU^R01 with one OBX per report line and FINDINGS and IMPRESSION headings, sent to the RIS with retries.
OUTCOME	**Reports reach the RIS without copy and paste, and each one can be traced back to the study that produced it.**

Imaging centre with walk-in patients

CHALLENGE	Walk-in studies reach the PACS before the RIS has an order, so they sit unmatched until someone creates one.
WITH PATK	A template builds ORM^O01 from the study, once per accession thanks to a 30-day duplicate hold on accession number and study sampling that prefers a real acquisition over secondary captures.
OUTCOME	**A temporary order exists as soon as the images do, and the manual order-creation queue shrinks to the exceptions.**

One study, RIS and billing

CHALLENGE	The RIS wants the accession in OBR-3; the billing system wants it in ORC-2 with a different MSH-5.
WITH PATK	Both destinations are picked on one template; the billing destination gets its own mapping profile and its MSH-5 comes from its own settings.
OUTCOME	**One feed, two correctly shaped messages, and a billing outage never delays the RIS.**

3T

Trust · Truth · Transform

Trust

Listeners accept only the SOP classes you allow; duplicate holds stop repeat messages; the raw DICOM is kept so any study can be rebuilt and resent.

Truth

Every study shows whether it was sent, held as a duplicate, unmatched or in error, with the message built and the live listener log.

Transform

Order creation and report copying become automatic, and a template change replaces a script rewrite.

VALUE MODEL

What it can be worth

An example multi-site imaging group producing HL7 from DICOM for reports and walk-in orders.

Walk-in or unordered studies per year needing an order created by hand	8,000
Staff time saved per order	3 minutes
Reports stored as SR that are copied into the RIS by hand today	12,000
Staff time saved per report	2 minutes
Blended staff cost per hour	$45
Avoided custom interface build, spread over 3 years	$5,000 per year

$41,000

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

- **Made for DICOM**
  It reads SR content items, sequences and report text natively, which a general interface engine needs custom code for.
- **Traceable by study**
  Each message links to the study, template and destination that produced it; scripts rarely keep that record.
- **Safe to change**
  Probe and Preview and dry-run listeners show the message before anything is queued.
- **Same platform**
  Delivery uses the HL7 Messaging queue and destinations, with one login and one audit trail.

SPECIFICATIONS

At a glance

Standards	DICOM C-STORE and C-ECHO in; HL7 v2 over MLLP out, with ACK checking
Sources	DICOM tags, sequence paths, SR content items, report body, static and dynamic values
Controls	Filter rules, template order, duplicate key and window, study sampling, accepted SOP classes
Tools	DICOM Probe and Preview, example templates, Edit and send, Reprocess, template import / export
Housekeeping	History-row retention, raw DICOM retention with a disk high-water mark, keep one image per study

See DICOM to HL7 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

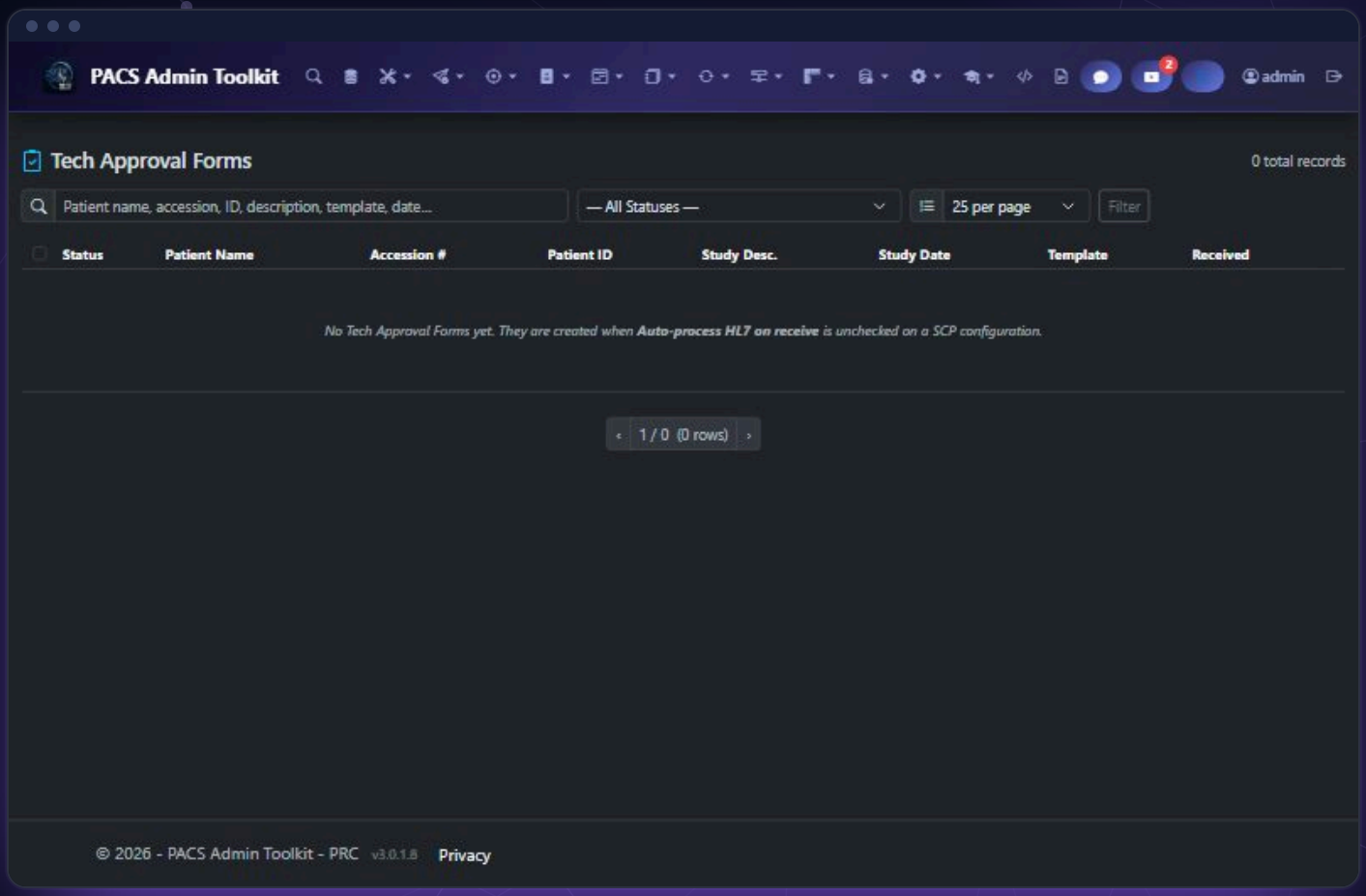
Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Reports & Results | Leads with Transform

SR Measurements to HL7

Ultrasound, echo and DEXA measurements flow into results, PowerScribe and PDFs, not retyped.



Receives the measurement SRs that ultrasound, echo, DEXA and other modalities produce and turns them into HL7 results, PowerScribe order custom fields and PDF worksheets. Templates match each machine automatically, and a Tech Approval Form catches anything that needs a human check.

0
measurements retyped for auto-processed studies

Never dropped
unmatched SRs become a form, or the modality retries

3 outputs
HL7, PowerScribe custom fields and PDF from one SR

Replaces: **Measurement integration middleware**

License module `SR_TO_HL7`

THE CHALLENGE

Why it matters

A sonographer measures twenty values on an echo, and then someone types them again: into a worksheet, into the reporting system, into the result. Every retyped number is staff time, and every one is a chance for a digit to land in the wrong field.

The modality already wrote those measurements into a DICOM Structured Report. The hard part is that every machine, model and software version encodes them differently, and a vendor upgrade can silently break an integration that worked yesterday.

IN SHORT

Receives the measurement SRs that ultrasound, echo, DEXA and other modalities produce and turns them into HL7 results, PowerScribe order custom fields and PDF worksheets. Templates match each machine automatically, and a Tech Approval Form catches anything that needs a human check.

CAPABILITIES

What it does

- **An SR listener per workflow**
  Modalities send measurement SRs to an AE title and port; the modality gets its success at once and delivery happens in the background.
- **Templates that find themselves**
  Match rules (manufacturer, model, study description, software version) pick the template; a new software version or a close partial match is queued for approval instead of failing.
- **Nothing silently lost**
  SRs no template matches land on the built-in UNMAPPED template for a tech to review; if even that fails, the modality is told to retry.
- **Measurements to named fields**
  Map SR measurements, calculations and static or dynamic values to named HL7 Custom Fields, with unit conversion and transforms, or auto-map every numeric measurement to OBX.
- **Auto-process or tech approval**
  Global or per-template conditions decide which studies send automatically; the rest become a Tech Approval Form to check, fix and approve, one at a time or up to 500 at once.
- **Into PowerScribe**
  The HL7 creates the order, then each result becomes an order custom field through the PowerScribe API, with a dry run and a send log.
- **Reason for exam kept**
  A lookup from your own API or from orders PATK receives writes the reason into the result, so it never blanks the reason on the order.
- **PDF worksheets and document exports**
  Design PDF templates from ready-made layouts (dark, print, compact, branded and more) with your logo and your own page and table colours, then write the PDF and a metadata file to a folder, SFTP or FTPS when a study is auto-processed or approved.

One master template per machine
Template Consolidation merges many per-study templates, with a dry run and an undo.

WORKFLOW

How it works

1. **SR arrives**
The modality sends its measurement SR to an SR listener.

2. **Template matched**
Listener templates, then other templates, software variants, partial matches and finally UNMAPPED.

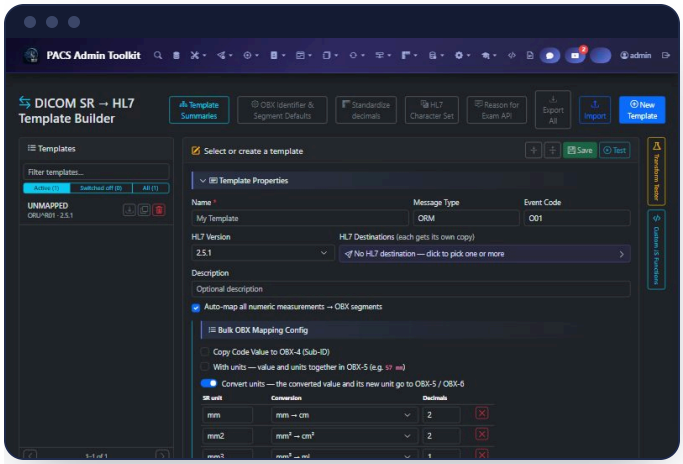
3. **Gate or review**
Auto-process conditions pass, or a Tech Approval Form waits for a tech.

4. **Results built**
Measurements fill the HL7 Custom Fields, plus the reason for exam.

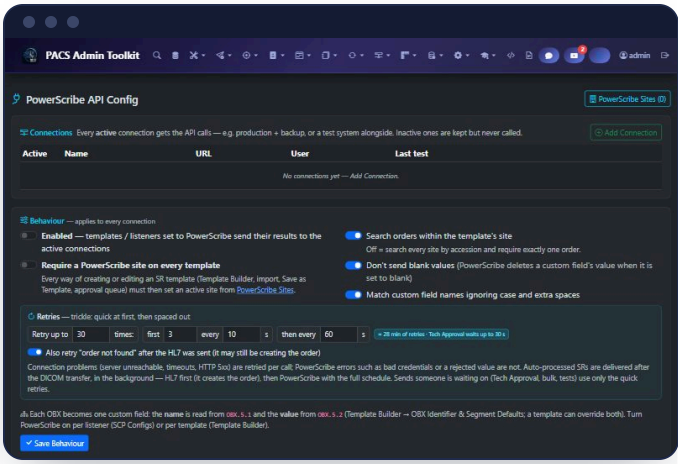
5. **Delivered**
HL7 over MLLP, PowerScribe custom fields and the PDF worksheet export.

IN THE PRODUCT

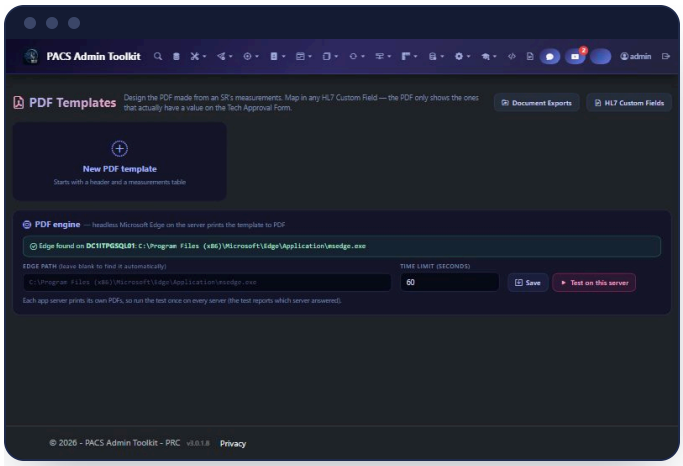
See it in action



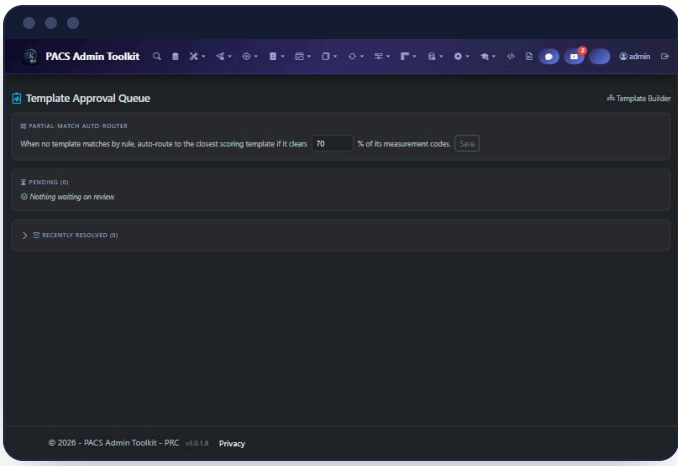
Template Builder: match rules and measurement mappings, tested on a real SR



PowerScribe connections, permission checks and a send log



PDF worksheet templates with formatted measurement fields



New machines and software versions wait for an Admin's approval

USE CASES

Where it pays off

Multi-site radiology group, a dedicated measurement server

CHALLENGE	Ultrasound and echo rooms across several sites each produce measurement SRs, and the reporting system needs them as HL7 results.
WITH PATK	A PATK instance rebranded for this one job receives every room's SRs, matches each machine's template and sends the results to the reporting system; techs approve only the exceptions.
OUTCOME	**Measurements reach the report without retyping, from one server the group runs and monitors itself.**

Measurements into PowerScribe

CHALLENGE	Radiologists want the echo measurements already in their report as PowerScribe custom fields.
WITH PATK	A PowerScribe connection is tested and its sites assigned to templates; custom field names match PowerScribe's, and a dry run shows current and new values before anything is written.
OUTCOME	**Values arrive as order custom fields, ready in the report template, with every send logged.**

Vendor software upgrade on a fleet of ultrasound carts

CHALLENGE	An upgrade changes the software version in every SR, which usually breaks integrations overnight.
WITH PATK	When the new SRs still carry every mapped measurement, a template copy for the new version is created automatically; otherwise a variant request waits in the approval queue while forms hold the studies.
OUTCOME	**No silent gaps: studies either keep flowing or wait visibly for one approval.**

Worksheets for the document system

CHALLENGE	Each approved DEXA or echo study needs a PDF worksheet that the document-imaging system imports from a share.
WITH PATK	A document export profile writes the PDF and a six-column metadata line on approval, renaming files only when complete so the importer never sees half a file.
OUTCOME	**The worksheet appears in the document system without anyone printing or scanning.**

3T

Trust · Truth · Transform

Trust

SRs are never acknowledged and dropped; ACKs are checked per destination; a re-sent SR with changed data puts its form back to Pending; template changes from non-Admins wait for approval.

Truth

The Processed UID Audit Log records every SR with its template and status, beside PowerScribe and export logs and Template Summaries that show overlaps and gaps.

Transform

Measurement entry disappears for auto-processed studies, and a new machine becomes a template from one approved form.

VALUE MODEL

What it can be worth

An example multi-site group with ultrasound, echo and DEXA studies that today have measurements retyped.

Measurement studies per year	20,000
Staff time saved per study (no retyping)	3 minutes
Transcription corrections avoided per year (1% of studies)	200
Time to find and correct one wrong value	15 minutes
Blended staff cost per hour	$50

$52,500

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

Handles real fleets
Software-version variants, partial matches and UNMAPPED fallbacks keep working through upgrades that break fixed mappings in middleware.

People stay in control
Tech Approval Forms and the approval queue put a human check exactly where the data is uncertain.

Three outputs from one source
HL7, PowerScribe fields and PDF worksheets share the same named fields, configured once.

Same platform
Uses the HL7 destinations, logging and access controls of the rest of PATK.

SPECIFICATIONS

At a glance

Standards	DICOM SR storage (C-STORE), C-ECHO; HL7 v2 over MLLP with ACK checking; PowerScribe API (compatible integration target)
Inputs	SR listeners (AE title, port, allowed SOP classes, skip rules), HL7 order feed for reason for exam
Controls	Match rules, auto-process conditions, template approval queue, partial-match threshold
Tools	Template Builder, Tech Approval Forms, Template Consolidation, Template Summaries, PDF templates, document exports
Housekeeping	Retention windows for forms, audit trail and PowerScribe logs (off by default)

See SR Measurements to HL7 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

Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

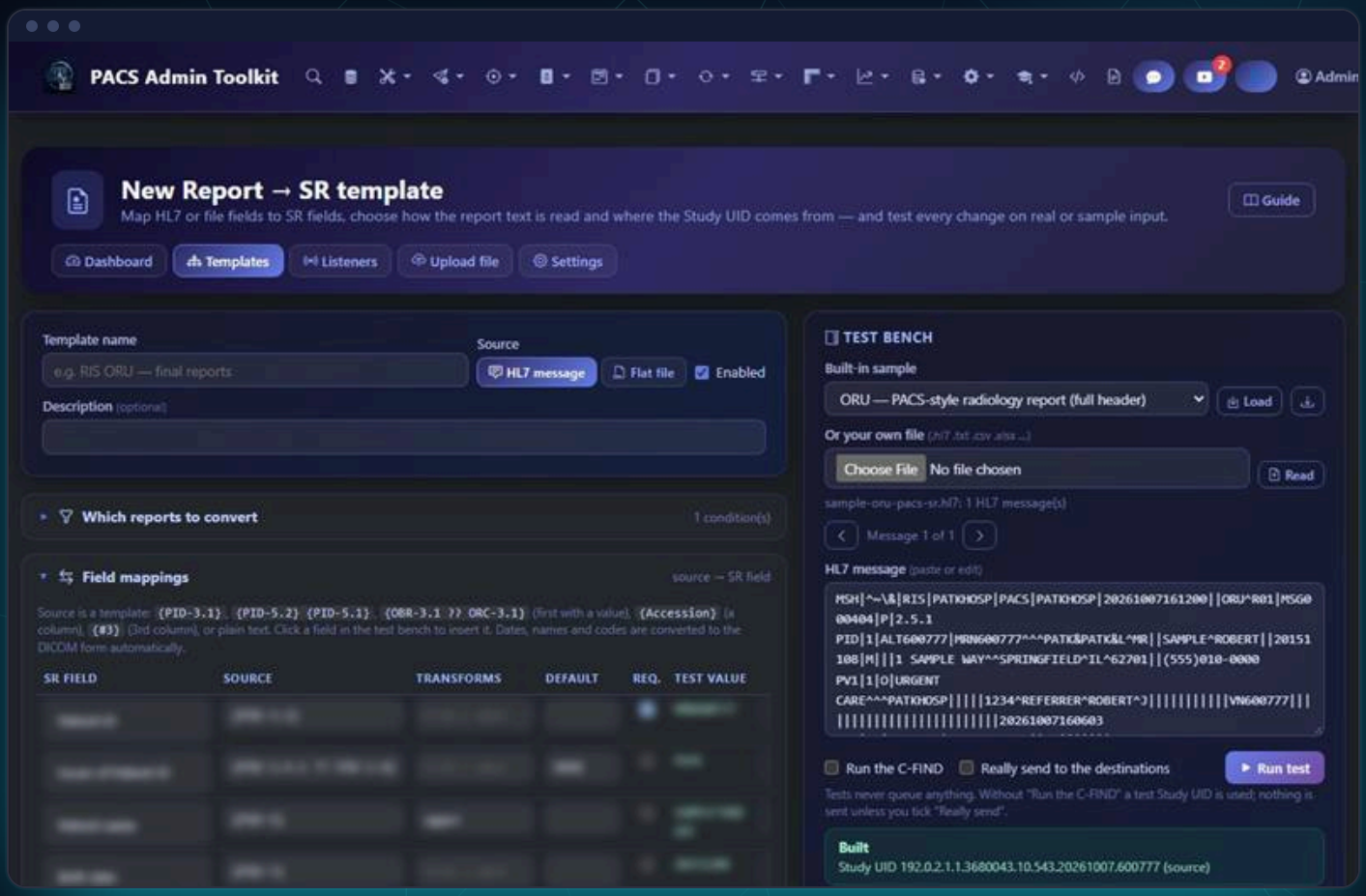
PowerScribe is a trademark of its respective owner; it is named only to describe compatibility. No endorsement is implied.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

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.

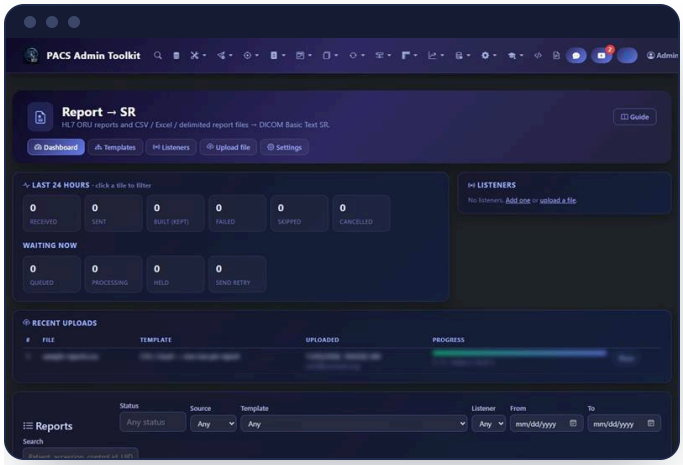
3
Find the study
The Study UID comes from the source or a C-FIND on a DICOM route.

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

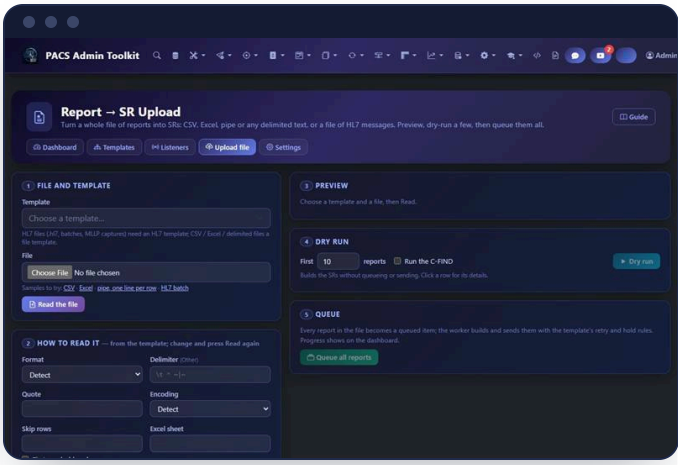
5
Send
C-STORE to the destinations, with retries; held and failed reports wait on the dashboard.

IN THE PRODUCT

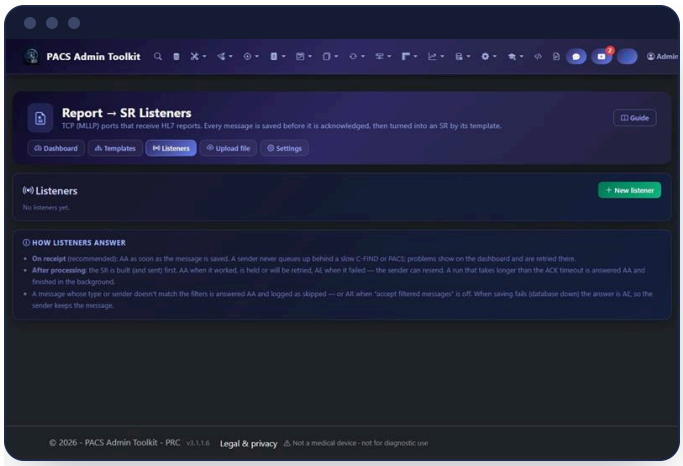
See it in action



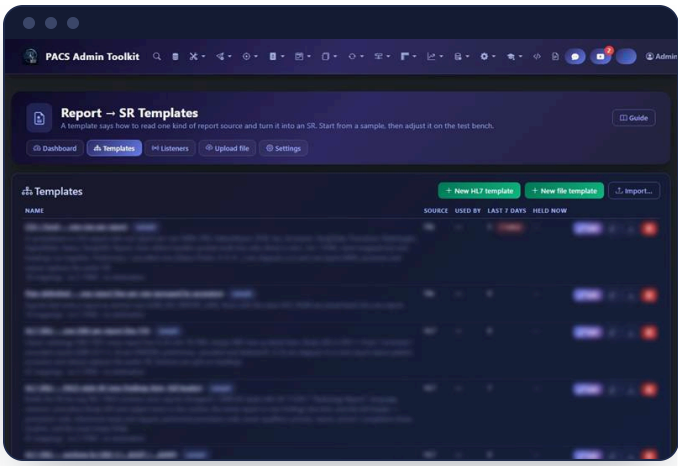
The dashboard: last 24 hours, reports waiting, recent uploads and every report's status



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.

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

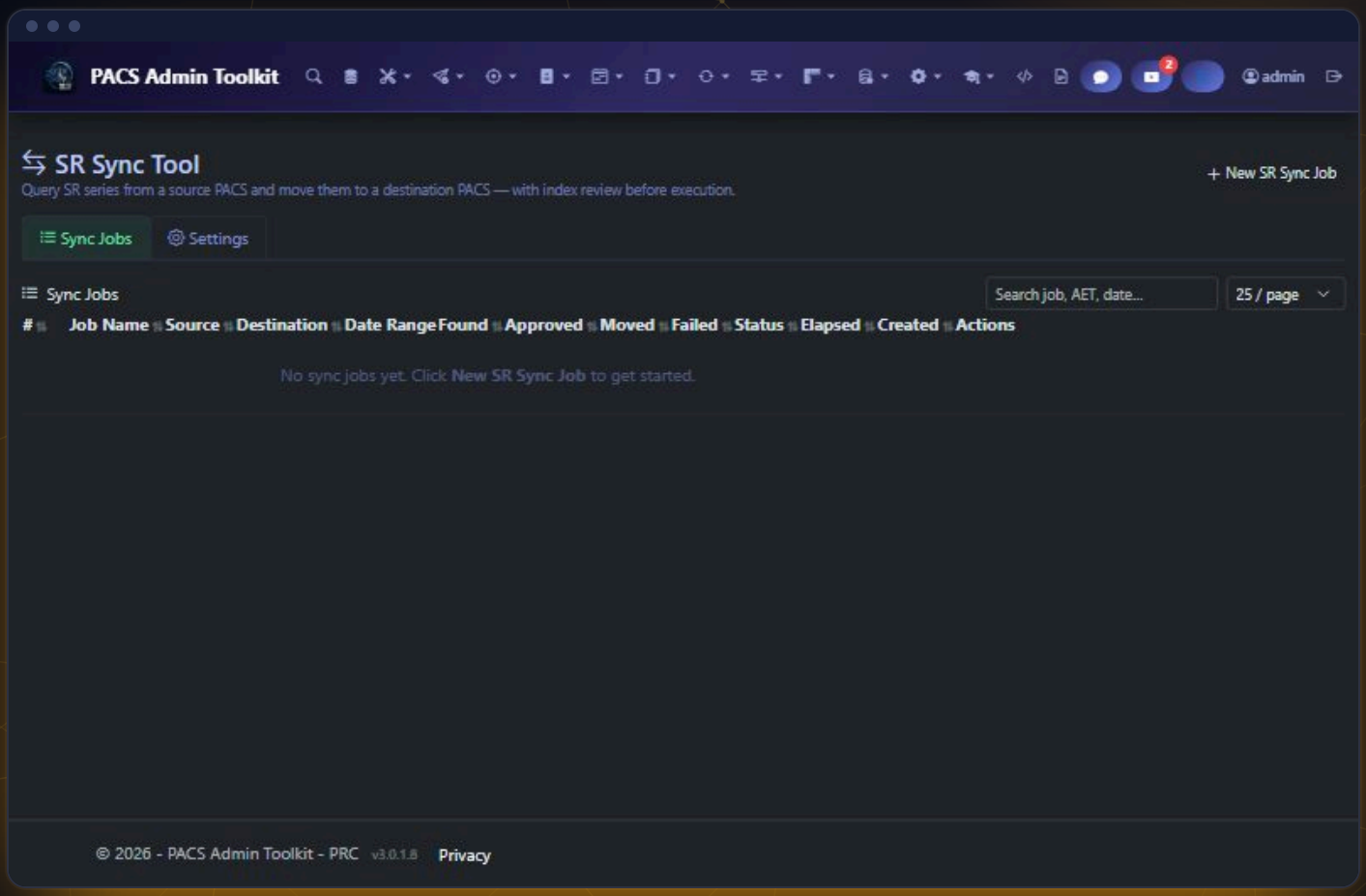
Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Reports & Results | Leads with Truth

SR Sync

Find the structured reports that never arrived, and move them where they belong, on a timetable.



Finds SR series on one PACS by date window and DICOM conditions, lets you review the list, and C-MOVEs them to another system. Schedules, backup sources and failover keep reporting systems and archives complete without anyone running queries by hand.

Day by day
backfills built one day at a time, resumable after a restart

Up to 5
backup sources tried in order when the primary is down

0
series sent twice, with skip already moved

Replaces: **Manual query-and-move sessions or a scripted SR catch-up job**

License module `SR_SYNC`

THE CHALLENGE

Why it matters

Measurement SRs from ultrasound, echo and DEXA are only useful if they reach the system that reads them: the reporting interface, a second archive or a report repository. When a listener goes live late, an interface is down for a weekend or a modality is pointed at the wrong destination, the missing SRs are invisible until a sonographer or a radiologist asks where the numbers went.

Catching up means someone querying the PACS by date, exporting a list, picking the right series by eye and moving them one batch at a time. It is slow, it is easy to miss a day, and nobody can say afterwards exactly what was sent.

IN SHORT

Finds SR series on one PACS by date window and DICOM conditions, lets you review the list, and C-MOVEs them to another system. Schedules, backup sources and failover keep reporting systems and archives complete without anyone running queries by hand.

CAPABILITIES

What it does

- **Find by date window**
  A series-level C-FIND for modality SR over fixed dates or a dynamic window such as yesterday, last full week, last full month or since the last run.
- **Conditions on any tag**
  Equals, contains, wildcards, lists, regular expressions, date ranges and empty checks on any DICOM tag; the tool shows whether each one is sent to the PACS or checked on the results, and re-checks them all.
- **SR-object checks**
  Tags that live on the SR itself, such as Completion Flag, Verification Flag and SOP Class UID, add an image-level query, so only final, verified SRs are kept.
- **Review before anything moves**
  Every series found is listed with the condition values and a summary of what each condition removed; untick what you don't want, then approve the C-MOVE.
- **Schedules**
  Every N hours, daily, weekly or monthly, with a rolling window, an automatic C-MOVE and an optional hold limit that stops an unusually large run for review.
- **Long backfills that finish**
  The index is built one day at a time, busy days are split into 6-hour then 1-hour windows, failed days and moves are retried automatically, and a restart resumes where it stopped.
- **Backup sources and several destinations**
  Up to five backup sources chosen by C-ECHO, and destinations served to all or first-success-wins with automatic failover around a destination that is down.
- **E-mails that say what happened**
  One e-mail when a job is ready for review or finished, and a separate alert when a job ends with failures, each with a link to the job.

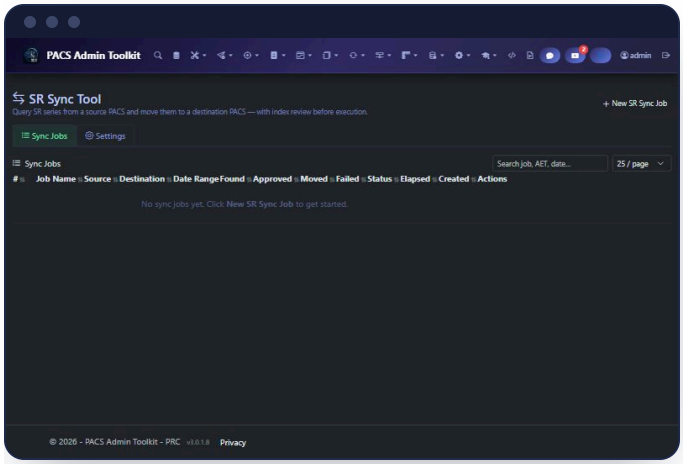
WORKFLOW

How it works

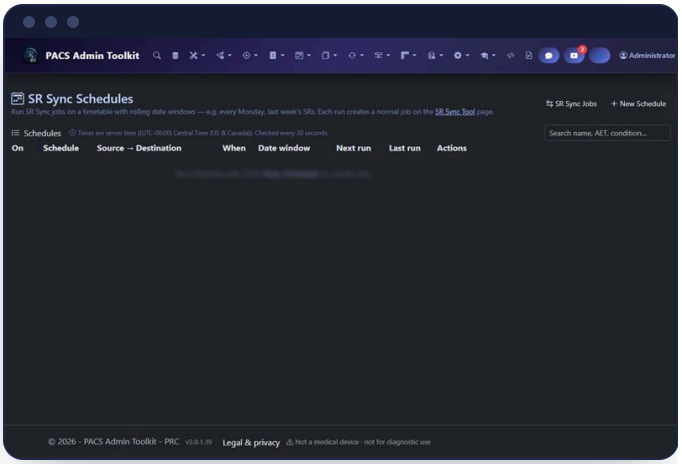
1. **Define the window**
   Pick the source, the destination and a fixed or rolling date window.
2. **Add conditions**
   Narrow by description, series number, flags or any other tag.
3. **Build the index**
   PATK queries the PACS day by day and applies every condition to the results.
4. **Review or auto-approve**
   Check the list, or let a schedule move it within its hold limit.
5. **Move and confirm**
   Series-level C-MOVEs run, failures retry, and series already moved are skipped.

IN THE PRODUCT

See it in action



Jobs with live progress, day by day, and the review before any C-MOVE



Schedules with a rolling window, next runs and the last result

USE CASES

Where it pays off

Back-loading SRs after a reporting interface goes live

CHALLENGE	The SR-to-report interface went live this week; last month's echo measurements never passed through it.
WITH PATK	A one-off job with last month's dates and "Series Description contains ECHO" builds the list, the review confirms it, and one approval moves every series to the SR listener.
OUTCOME	**A month of SRs back-loaded in an afternoon, with a record of every series sent and every day queried.**

Weekly catch-up of final SRs only

CHALLENGE	A few SRs a week miss the real-time route, and preliminary SRs must not be re-sent.
WITH PATK	A Monday 02:00 schedule queries last full week, keeps only Completion Flag COMPLETE and Verification Flag VERIFIED, skips anything already moved and sends the rest automatically.
OUTCOME	**Gaps close every week without anyone remembering to look, and the run history shows what each week caught.**

Keeping two archives in step during a consolidation

CHALLENGE	After a merger, SRs land on two PACS nodes, and the report repository must hold all of them even when one node is down for maintenance.
WITH PATK	Both nodes are listed as sources in order; each run uses the first that answers and returns to the primary when it recovers, and the destinations use first-success-wins with failover.
OUTCOME	**Maintenance windows stop creating SR gaps, and the job log says whenever a backup source or destination was used.**

3T

Trust · Truth · Transform

Trust

Nothing moves without a review or an explicit automatic setting with a hold limit; series are never sent twice, schedule toggles and Run now need their own permissions, and route order changes are audited.

Truth

See exactly which series were found, which conditions removed which ones, the exact C-FIND that was sent, and the result of every day and every move.

Transform

Manual query-and-move sessions become a schedule that runs at night and e-mails you only when a run needs a look.

VALUE MODEL

What it can be worth

An example department that catches up missed SRs by hand each week and needs one six-month backfill.

PACS administrator time for a manual weekly SR catch-up	**3 hours (156 hours a year)**
SRs found missing by users and chased individually per year	**360**
Time to trace and resend one missing SR by hand	**10 minutes (60 hours a year)**
Blended staff cost per hour	**$50**
One-time backfill quoted as a separate services project, avoided	**$6,000**

$16,800

Estimated first-year value

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

DIFFERENTIATORS

Why it stands out

Honest about the PACS
It tells you which conditions the PACS filters and which it checks itself, so a PACS that ignores a query key never adds or hides series, unlike a plain query-and-move script.

Built for months, not minutes
Day-by-day indexing, time splitting, saved retries and restart resume make a six-month backfill finish, where an ad hoc C-FIND times out or hits a result cap.

Resilient by configuration
Backup sources, several destinations and failover are settings, not custom code in an interface engine.

Part of the same platform
Works hand in hand with the SR to HL7 listener, DICOM destinations and the route health monitor, with one login and one audit trail.

SPECIFICATIONS

At a glance

Standards	DICOM C-FIND (series and image level), C-MOVE (series level), C-ECHO
Windows	Fixed dates, dynamic dates (-7d, -1m), yesterday, last N days, last full week / month, since the last run
Conditions	Any DICOM tag, 15 operators, request or results matching, image-level SR checks
Scheduling	Every N hours, daily, weekly, monthly; Run now; hold limit; skip already moved
Resilience	Up to 5 backup sources, all or first-success destinations, auto failover, automatic retries
Notifications	Ready-for-review e-mail, failure alert e-mail (SMTP)

See SR Sync 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

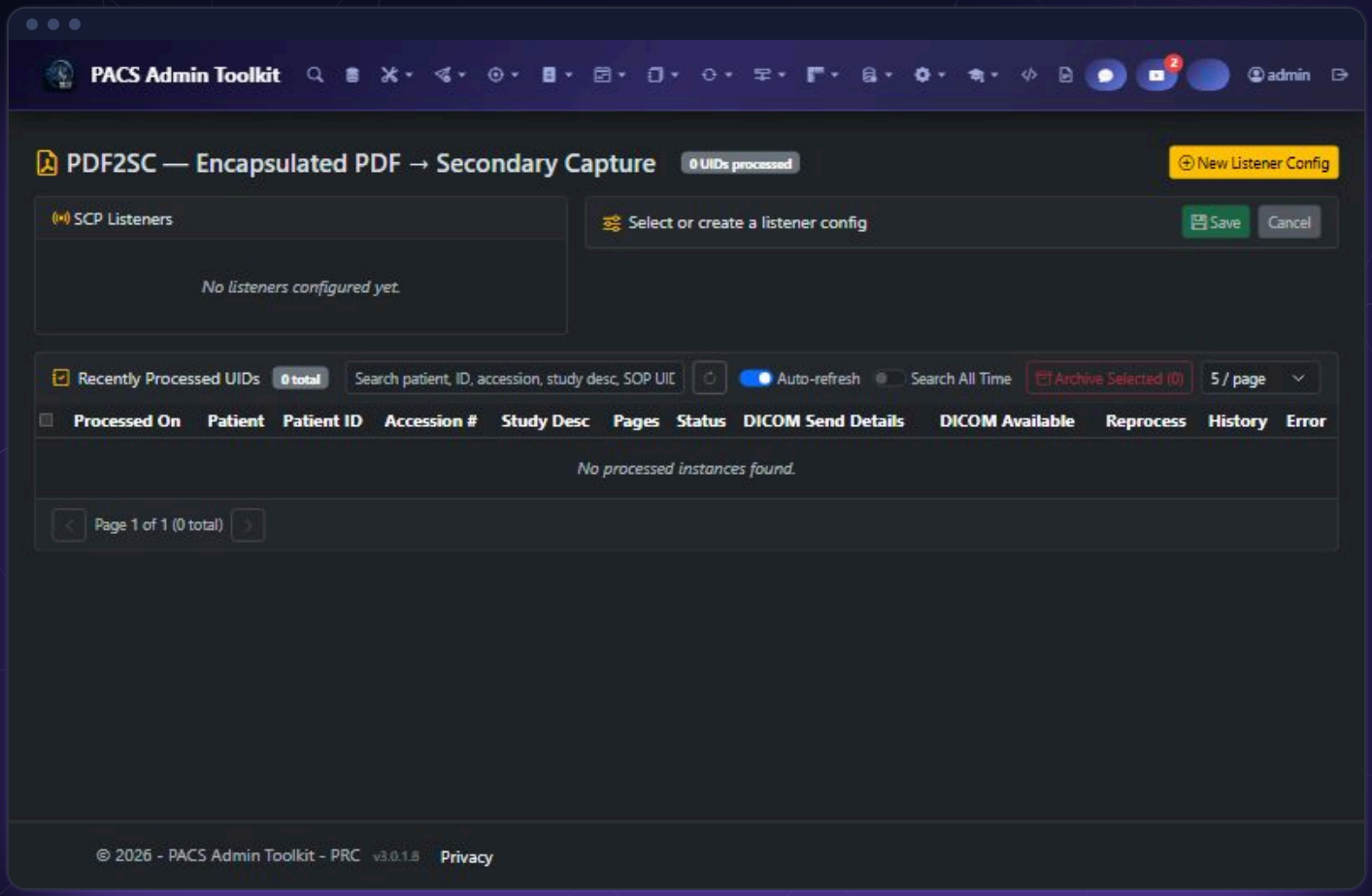
Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

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.

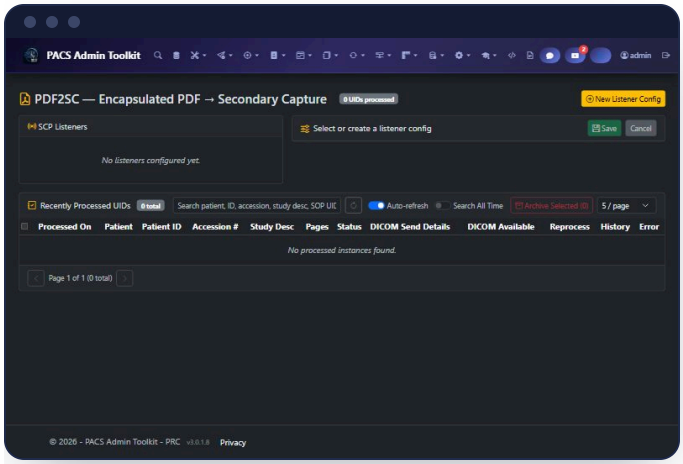
3 — Pages rendered
Each page becomes a Secondary Capture image with the mapped identifiers.

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

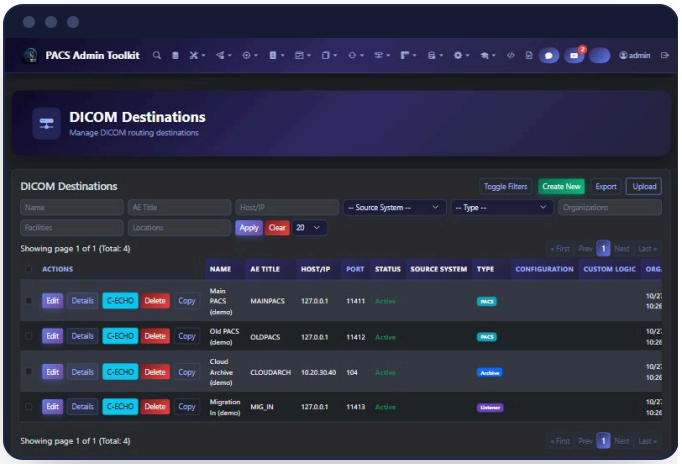
5 — Recorded
The document, its pages and each destination's result are logged for review and reprocessing.

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

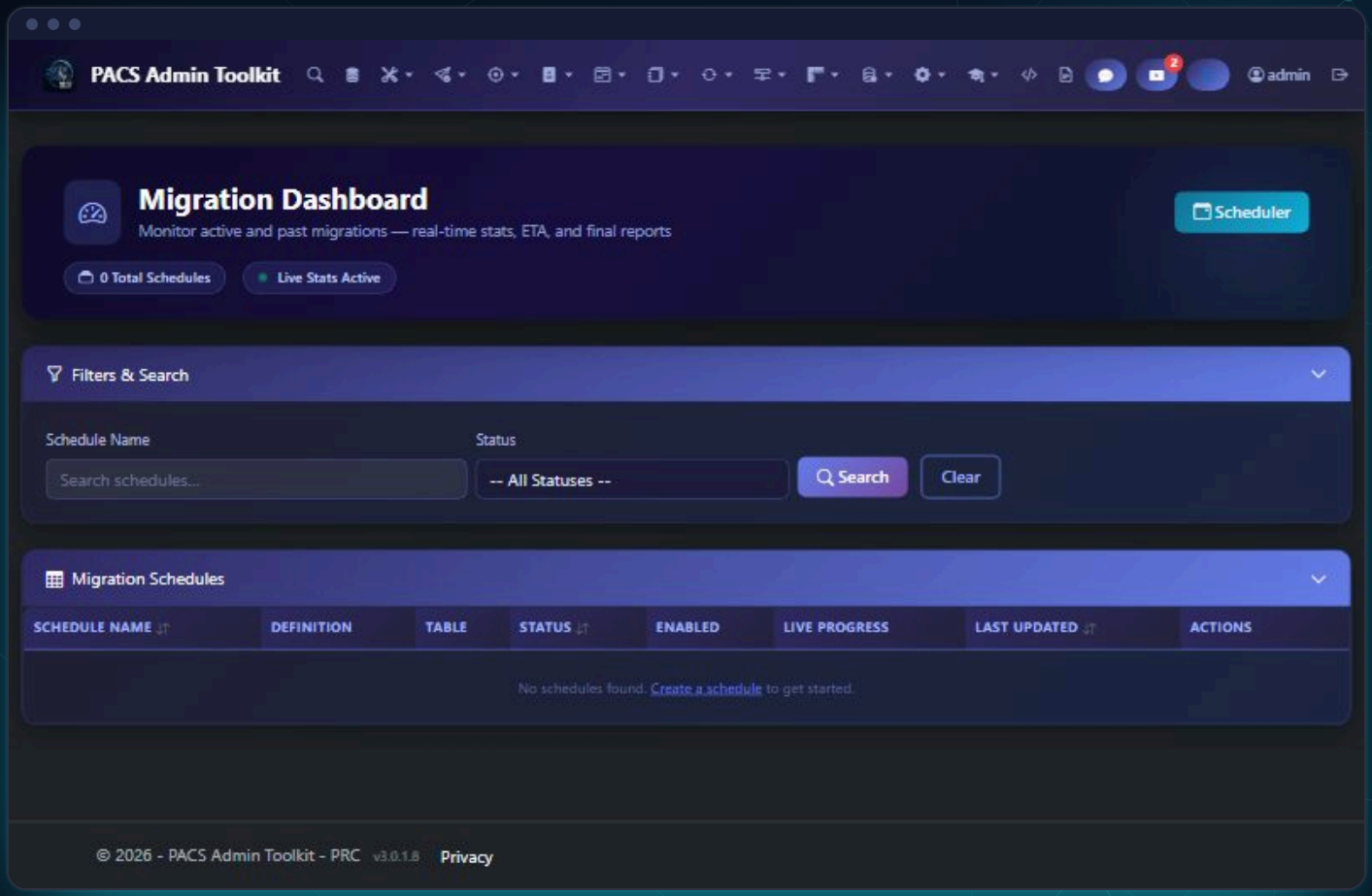
Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Data Lifecycle | Leads with Trust

PACS Migration

Move every study from the old PACS to the new one, fix tags on the way, and prove it arrived.



Runs PACS-to-PACS migrations with DICOM C-MOVE from a study list you build, on schedules that respect both systems' load, and verifies every study's image count at the destination. Tag changes and multi-million-row ID crosswalks can be applied to every image on the way.

Every study
image count verified at the destination

~1M rows a minute
crosswalk load speed (typical)

0
changes made to the source PACS

Replaces: **Per-study migration service or scripted C-MOVE batches**

License module `MIGRATION`

THE CHALLENGE

Why it matters

Replacing a PACS, consolidating archives after an acquisition or retiring a legacy system all end in the same project: millions of images that must leave one system and arrive, complete, in another. Migration services usually charge per study, run on their timetable, and report progress as a spreadsheet you have to take on trust.

The hard part is rarely the copy. It is knowing which studies are missing, keeping the old PACS fast enough for daily work while it is being emptied, and fixing patient IDs, issuers and institution names that the new system needs different.

> IN SHORT
>
> Runs PACS-to-PACS migrations with DICOM C-MOVE from a study list you build, on schedules that respect both systems' load, and verifies every study's image count at the destination. Tag changes and multi-million-row ID crosswalks can be applied to every image on the way.

CAPABILITIES

What it does

- **A study list from anywhere**
  Build the index from a CSV, Excel, JSON or XML file, a database query on a saved connection, or a C-FIND by date range that runs day by day and can be resumed.
- **C-MOVE, one study at a time**
  PATK asks the source to send each study by StudyUID, or by accession number resolved with a C-FIND first.
- **Verified, not assumed**
  C-MOVE and Verify compares every study's image count at the destination or a separate verify route and re-requests missing images automatically.
- **Paced around clinical work**
  Threads, studies per day, run windows with their own limits, blackout dates, and automatic slow-down when this server's CPU or RAM is high.
- **Watches the other servers too**
  Server probes read CPU, RAM and disk load from the destination PACS or archive (Windows over WinRM or DCOM, Linux over SSH) and throttle the migration when one is busy.
- **Tag changes on the way**
  Routed through a PATK listener, every image can get fixed values, ID swaps, description clean-ups or custom AND / OR mappings, stored and forwarded or passed straight through.
- **Crosswalks of any size**
  Load multi-million-row old-to-new ID files in pieces; conflicts, chains, ambiguous and too-long rows are flagged, Impact shows how many studies will change, and Try it shows a study before and after.
- **Alerts and progress e-mails**
  Failure, stall, load and service alerts, plus daily, weekly and end-of-run progress reports.

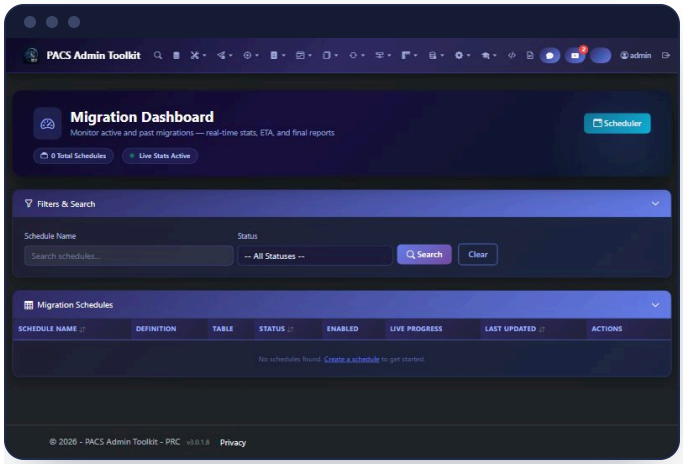
WORKFLOW

How it works

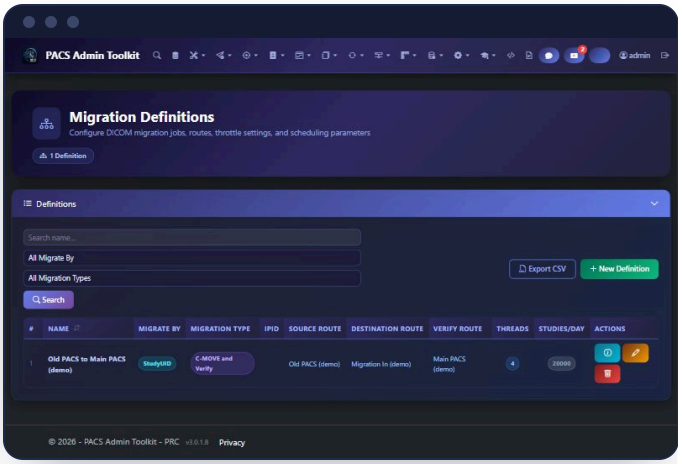
1. **Destinations**
   Add the source, destination and optional verify system, and C-ECHO each.
2. **Definition**
   Choose StudyUID or accession, C-MOVE and Verify, and how hard to push.
3. **Index**
   Import the study list and approve it after a 20-row preview.
4. **Tag changes**
   Optional: set values or load a crosswalk, check Impact and try it on a study.
5. **Schedule and verify**
   Run in windows; the dashboard tracks every study to VerifyComplete.

IN THE PRODUCT

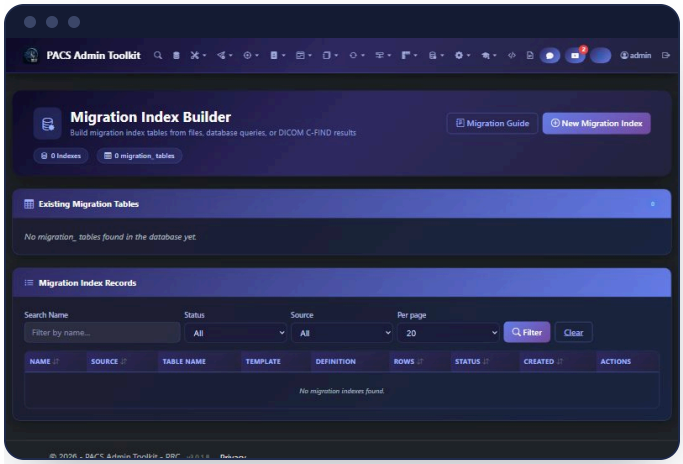
See it in action



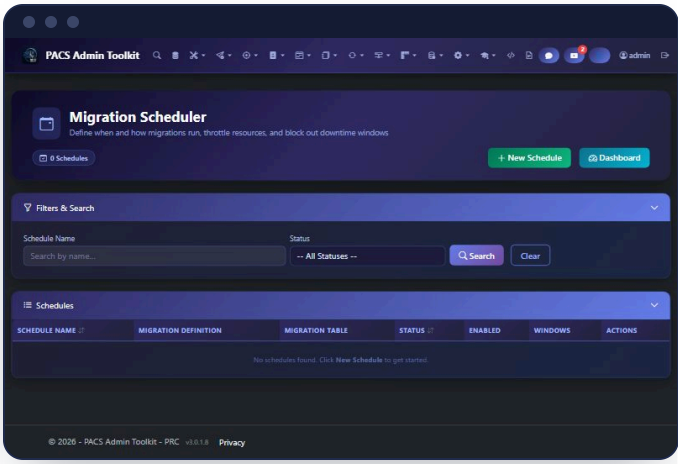
Progress, speed, time left and every error with its reason



Definitions: source, destination, verify route and how hard to push



The study list, built from a file, a database query or a C-FIND



Run windows and blackout dates for each schedule

USE CASES

Where it pays off

Retiring an end-of-life PACS

CHALLENGE	Five years of studies must move to the new PACS before the old system's support contract ends, without slowing it for daily reading.
WITH PATK	A C-FIND index covers the five years day by day; a 25-study pilot is checked, then the full list runs weeknights and weekends with a month-end blackout and verify on.
OUTCOME	**The old PACS is emptied on a predictable timetable, and every study has a verified image count before it is switched off.**

A multi-site radiology group consolidating PACS

CHALLENGE	A multi-site radiology group moves studies between PACS as sites join and systems are replaced, and wants each project run by its own team.
WITH PATK	The group runs PATK for its PACS-to-PACS migrations, in an instance rebranded under Config for the migration work, with definitions, schedules and server probes per project.
OUTCOME	**Migrations run in-house on the group's own timetable, with the dashboard, not a vendor spreadsheet, as the record of progress.**

Acquisition with a new MRN and issuer

CHALLENGE	An acquired hospital's studies must move into the main PACS under enterprise MRNs from a 4-million-row crosswalk, with a new institution name and issuer.
WITH PATK	The migration runs through a PATK listener; Swap IDs loads the crosswalk, fixed values set institution and issuer, Impact and Try it confirm the result, and the bulk runs forward only after the pilot.
OUTCOME	**Studies arrive already carrying the identifiers the main PACS expects, and the migration table records what changed on each one.**

3T

Trust · Truth · Transform

Trust

The source PACS is never modified, UIDs are never changed, every study is verified by image count, and the migration slows itself when this server or a watched server is busy.

Truth

Every study has a status from queued to VerifyComplete; errors, verify retries and failures list their reason, and the tag-changes panel shows how many studies and images were changed.

Transform

A project that used to need a per-study service and weekly status calls runs in-house, at night, and e-mails you its progress.

VALUE MODEL

What it can be worth

An example 400,000-study legacy archive migrated in-house instead of by a separate per-study migration service.

Studies to migrate	400,000
Per-study fee of a separate migration service, avoided	$0.50 ($200,000)
Reconciliation hours saved by verify and error lists instead of spreadsheets	120 hours
Blended staff cost per hour	$55 ($6,600)
Months of legacy support avoided by finishing earlier	3
Legacy PACS support cost per month	$4,000 ($12,000)

$218,600

Estimated project value

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

DIFFERENTIATORS

Why it stands out

- **Owned, not rented**
  Migrations run on your schedule with your staff, where a separate migration service charges per study and decides the pace.
- **Proof built in**
  Image-count verification with automatic re-requests replaces the spreadsheet reconciliation that scripted C-MOVE batches leave behind.
- **Tag changes without a second project**
  IDs, issuers, institutions and descriptions are corrected on the way, with Impact and Try it, instead of a clean-up after the data has landed.
- **Moving off a legacy router, worklist or prefetch product too?**
  The Laurel Bridge configuration import is part of the core platform and reads Compass, Waypoint and Navigator exports.

SPECIFICATIONS

At a glance

Standards	DICOM C-FIND, C-MOVE, C-ECHO, C-STORE (through a PATK listener)
Study lists	CSV / TXT / Excel / JSON / XML files, database queries, C-FIND by date range
Verification	Image counts per StudyInstanceUID at the destination or a verify route, automatic re-requests
Pacing	Threads, studies per day, run windows, blackout dates, CPU / RAM limits, server probes
Tag changes	Fixed values, ID swaps, description lists and find and replace, AND / OR custom mappings
Notifications	Failure, stall, load and service alerts; daily, weekly and end-of-run reports (SMTP)

See PACS Migration 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

Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

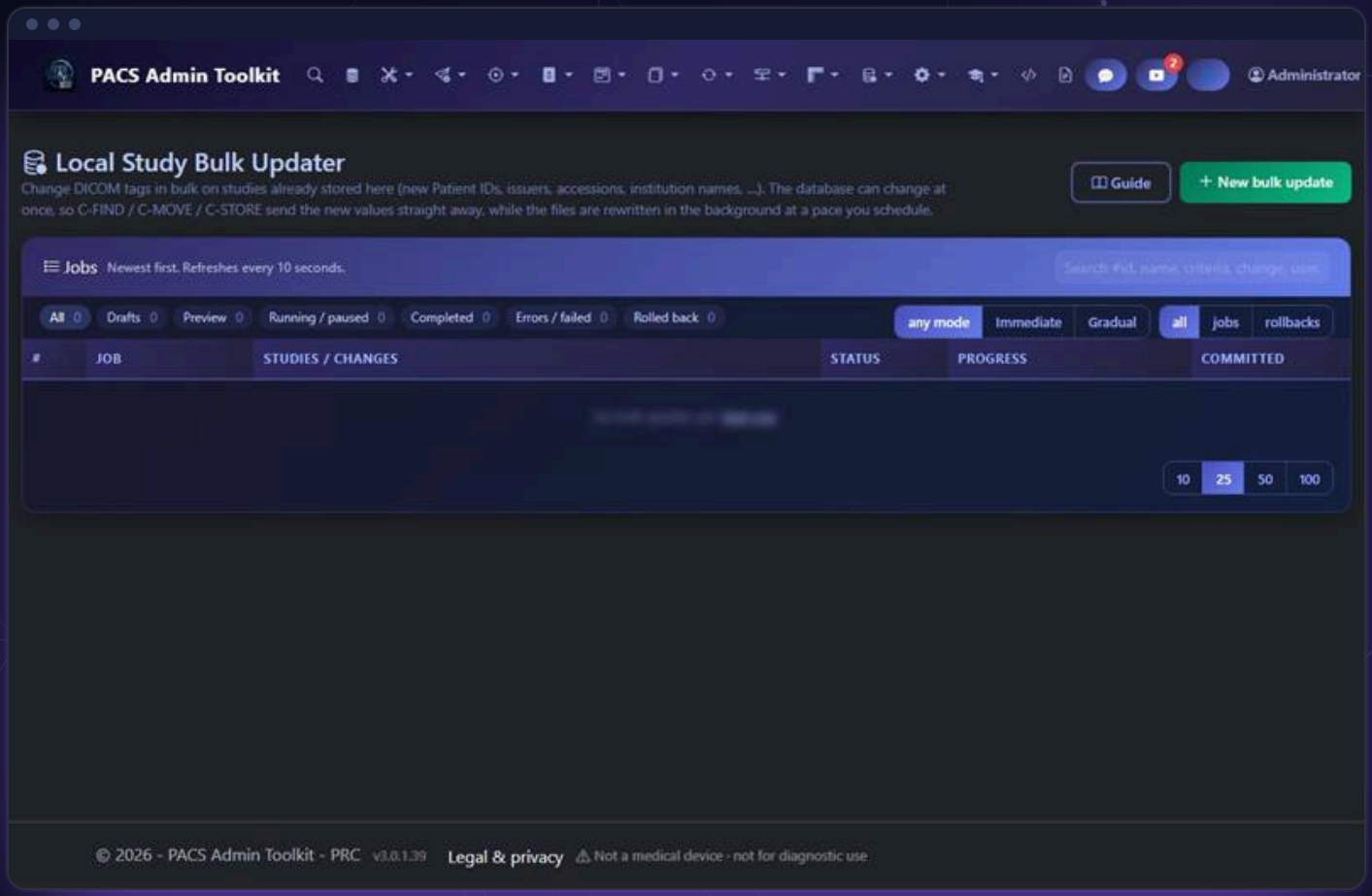
Laurel Bridge, Compass, Navigator and Waypoint are trademarks or registered trademarks of Laurel Bridge Software, Inc. PACS Admin Toolkit is an independent product of 3T Consults and Coaching and is not affiliated with, sponsored by, or endorsed by Laurel Bridge Software, Inc.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Data Lifecycle | Leads with Transform

Local Bulk Updater

Correct patient IDs, issuers and institution names on stored studies, previewed, paced and reversible.



Changes DICOM tags in bulk on studies already stored in PATK, the way a migration would but without moving anything. Every change is previewed study by study, files are backed up and checked as they are rewritten, and a job can be rolled back.

Every study
previewed with its old and new values before commit

Read back
every rewritten file checked before it replaces the original

Rollback
from kept backups, reviewed like any job

Replaces: **Re-migrating data to fix tags, or a per-study data correction service**

License module `BULK_UPDATE`

THE CHALLENGE

Why it matters

After a merger, a site rename or a change of MRN system, thousands of stored studies carry the wrong Issuer of Patient ID, the old institution name or an accession format the rest of the enterprise no longer recognises. Each one is a study that can be missed in a prior search or matched to the wrong patient.

Fixing them one at a time is not realistic, and the usual alternatives are worse: send everything out and back through a tag-changing route, or pay a data correction service by the study and hope nothing in the archive was damaged.

> IN SHORT
>
> Changes DICOM tags in bulk on studies already stored in PATK, the way a migration would but without moving anything. Every change is previewed study by study, files are backed up and checked as they are rewritten, and a job can be rolled back.

CAPABILITIES

What it does

- **Pick exactly the studies**
  Conditions on patient, study, series and calculated fields (study age, days since received) in AND / OR groups, any tag read from the files, and Study UID lists of up to a million entries.
- **Rules for every kind of fix**
  Set a value built from fields, clear, find and replace with regular expressions, add a prefix or suffix (safe to run twice), copy from another field, or look up old-to-new values from a CSV.
- **Patient identity handled**
  A new Patient ID or issuer moves the study to the right patient, and IDs already used by someone with a different name, birth date or sex are flagged or merged on purpose.
- **A preview you sign off**
  Every matched study is listed as To change, Problem, Already current or Left out, with each tag's old and new value; what you checked is exactly what is written.
- **Immediate or gradual**
  Immediate changes the database at commit and a send-time change table keeps C-FIND, C-MOVE and exports agreeing while files are rewritten; Gradual changes each study with its files.
- **Paced file rewrites**
  Run windows, threads, images per minute and CPU / RAM ceilings, with an off-peak preset; every file is backed up, rewritten, read back and checked before it is swapped in.
- **New images and re-sends follow**
  Images that arrive for a changed study during the job and for a set number of days after it get the new values, and finished studies can be re-sent to chosen destinations.
- **Locked, audited and reversible**
  Studies in a job are locked against other edits, every step is audited, Export CSV lists every old and new value, and rollback restores files from backups.

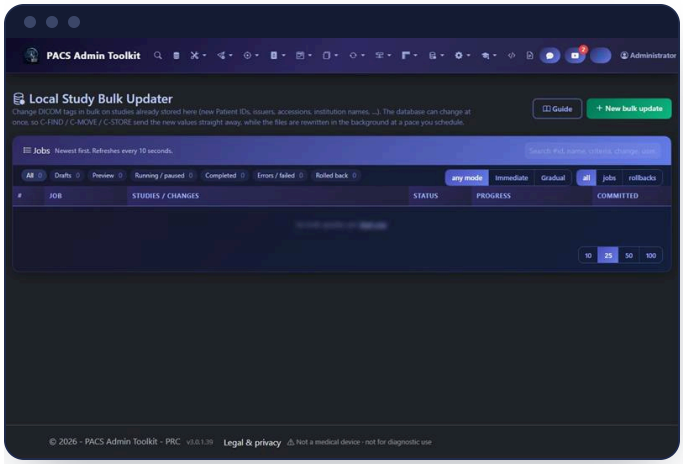
WORKFLOW

How it works

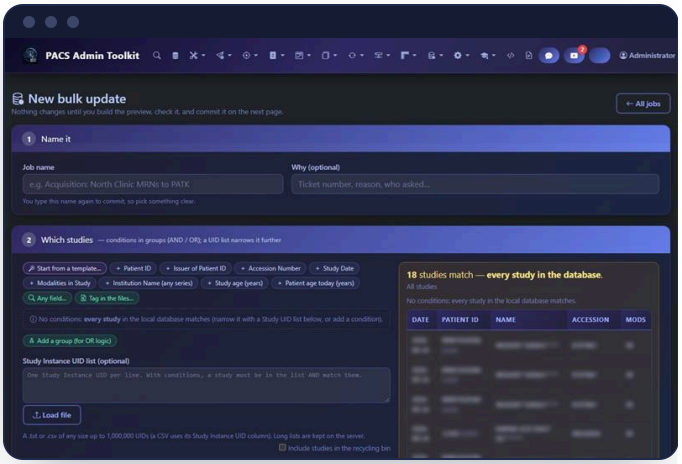
1. **Match**
   Conditions and / or a Study UID list pick the studies.
2. **Rules**
   Set, clear, replace, add, copy or look up new values per tag.
3. **Preview**
   Every study's old and new values, with problems flagged.
4. **Commit**
   Type the job name; the studies are locked.
5. **Rewrite and check**
   Database rows change, then files are backed up, rewritten and verified at your pace.

IN THE PRODUCT

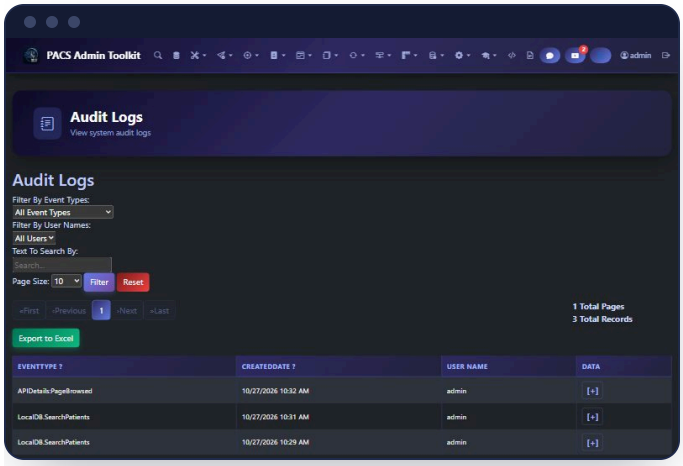
See it in action



Jobs with database and file progress, pace and status



Conditions, change rules and the preview of every study



Every step of every job in the audit log

USE CASES

Where it pays off

Re-identifying an acquired clinic's studies

CHALLENGE	A clinic's studies arrived with issuer NORTH and its own MRNs; they must carry the enterprise MRN and issuer, with the old MRN kept.
WITH PATK	One job copies Patient ID to Other Patient IDs, swaps Patient ID from the merge file's lookup table (no row means a flagged problem) and sets the new issuer, in Immediate mode with off-peak file rewrites.
OUTCOME	**C-FIND shows the new MRNs at once, sends carry them while files are rewritten overnight, and every study that needed a decision was caught in the preview.**

Institution renamed after a merger

CHALLENGE	Every series from OLD MEMORIAL must show the hospital's new name, but nothing about it is urgent.
WITH PATK	A find-and-replace rule on Institution Name runs in Gradual mode with two threads, any time of day.
OUTCOME	**The archive reflects the new name without a maintenance window or a re-migration.**

Accession prefix to keep sites apart

CHALLENGE	Two sites issue overlapping accession numbers, and the enterprise has agreed to prefix one site's accessions.
WITH PATK	A job adds "S-" in front of the southern site's accessions, skipping values that already have it, and re-sends changed studies to the downstream system that needs them.
OUTCOME	**Accessions are unique across sites, and running the job again changes nothing.**

3T

Trust · Truth · Transform

Trust

A preview, a typed confirmation and a specific permission are required; originals are backed up, every file is read back before it replaces the original, UIDs and pixel data can never be changed, and a job stays within the facilities and sites its user can see.

Truth

See every study's exact old and new values before commit, live database and file progress after it, and a CSV of every change for the record.

Transform

A clean-up that once meant a re-migration or an outside service becomes a job you set up in an hour and leave to run off-peak.

VALUE MODEL

What it can be worth

An example organisation correcting identifiers after one acquisition plus routine fixes through the year.

Studies corrected per year (one acquisition re-ID plus smaller fixes)	60,000
Per-study fee of a data correction service, avoided	$0.40 ($24,000)
Small ad hoc corrections per year otherwise done study by study	200
Administrator time saved per small correction	15 minutes (50 hours a year)
Blended staff cost per hour	$55 ($2,750)

$26,750

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

Fixes in place
Nothing is moved, so there is no second copy, no re-migration and no load on another system, unlike sending studies out and back through a tag-changing route.

Safe by design
Frozen previews, locks, backups, read-back checks and rollback are part of every job, where scripts and hand edits offer none of them.

Systems stay in agreement
The send-time change table and new-image window keep queries, sends and late images consistent while files are rewritten.

Paced for production
Run windows, rate caps and CPU / RAM ceilings let a million-study job run alongside daily work.

SPECIFICATIONS

At a glance

Selection	Database conditions, tags read from files, AND / OR groups, Study UID lists up to 1,000,000
Rules	Set, clear, find and replace (regex), add in front / at end, copy from field, lookup table
Modes	Immediate (with send-time change table) or Gradual
Pacing	Run windows, threads, images per minute, CPU / RAM ceilings, off-peak preset
Safety	Preview, typed confirmation, permissions, study locks, backups, read-back checks, rollback, audit, CSV export
Not changed	UIDs, pixel and per-image tags, sequences, private tags, copies already sent elsewhere

See Local Bulk Updater 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

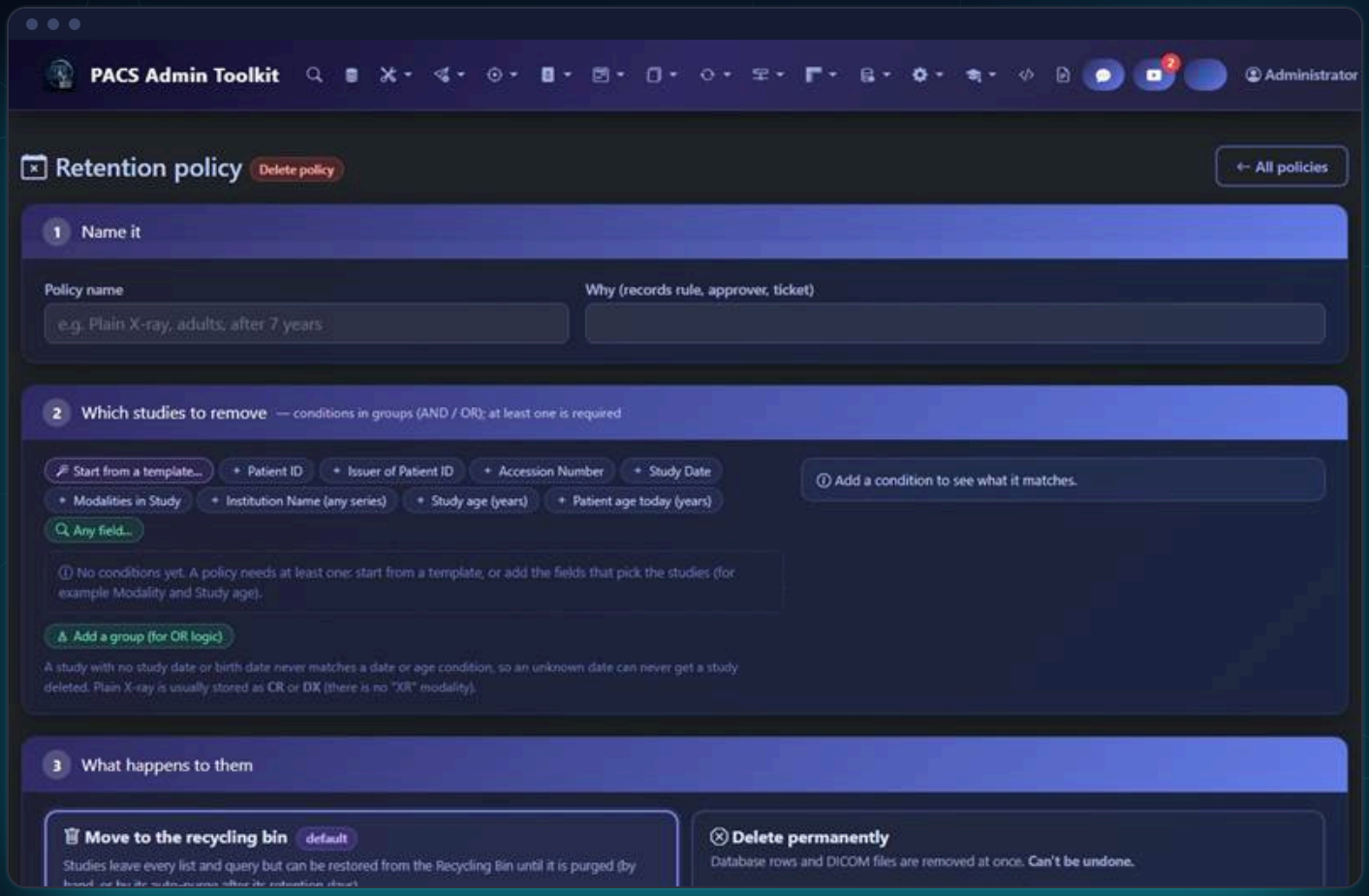
Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Data Lifecycle | Leads with Trust

Study Retention Policies

Keep what the law and your records officer require, release the rest, and prove it.



Scheduled delete and keep policies for the studies stored in PATK, with dry runs, typed approval and safety stops. Legal holds, protections and a permanent deletion log show exactly what was kept, what went and why.

0
studies on legal hold any policy can remove

Dry run
reviewed and approved before any policy runs

Forever
deletion-log entry kept for every removed study

Replaces: **Manual purge scripts or a separate archive lifecycle manager**

License module `RETENTION`

THE CHALLENGE

Why it matters

Cache, edge and routing servers fill up. Someone has to decide what to delete, and in radiology that decision is never simple: adult studies, minors until they reach a set age, mammography for ten years, a litigation hold on one patient, a temporary site that should be cleared after six months. Getting it wrong either way is expensive: a full disk stops clinical traffic, and a study deleted too early can be a records or legal problem.

Most sites handle it with a script someone wrote years ago, or a manual purge that nobody wants to own. There is no preview of what will go, no brake if the numbers look wrong, and no record a records officer can sign off on.

> **IN SHORT**
>
> Scheduled delete and keep policies for the studies stored in PATK, with dry runs, typed approval and safety stops. Legal holds, protections and a permanent deletion log show exactly what was kept, what went and why.

CAPABILITIES

What it does

- **Rules your records officer can read**
  Conditions on patient, study and series fields plus calculated values (study age, patient age today, patient age at the study, days since received), in AND / OR groups.
- **Templates for common schedules**
  Start from adults after 7 years with minors kept until 25, plain X-ray after 7 years, mammography after 10, one issuer after 6 months, one site after 7 years, or a list of accession numbers.
- **Keep policies that always win**
  A keep policy (for example all mammography for 10 years, or patients under 18) protects matching studies from every delete policy.
- **Dry run, then a typed approval**
  A dry run counts what matches, what each hold keeps back and what would go, lists the oldest 100 and exports the full list; approval needs a dedicated permission and the policy name typed in.
- **Safety stops built in**
  A per-run cap (default 500, oldest first), a pause when a run would remove more than a set share of all studies, a pause when the count jumps sharply since last time, and recent arrivals (default 30 days) never touched, so imported priors with old dates are safe.
- **Legal holds and protections**
  Hold studies by search, by pasted list (up to 1,000,000 UIDs) or by patient; protect one study or a whole patient from the browser or viewer with a category, a reason and an end date.

Manual deletes obey the same rules
Deleting by hand checks holds, keep policies and Deletion Exclusion patients first; overrides need a reason and are audited, and legal holds are never overridden.

Reversible by default
Policies move studies to the recycling bin unless a user with the permanent-delete permission says otherwise; an optional daily bin auto-purge skips held studies.

A record that lasts
Every removed study gets a deletion-log entry in the same transaction, kept forever and exportable as a certificate of destruction.

WORKFLOW

How it works

1
Write the policy
Conditions, recycle or delete, safety stops and run windows (default 01:00-05:00).

2
Holds come out
Legal holds, Deletion Exclusion patients, active bulk updates, recent arrivals and keep policies are set aside.

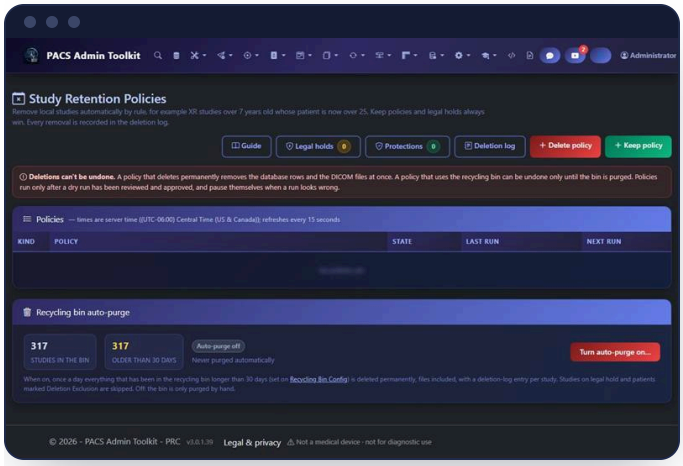
3
Dry run
Counts, the oldest 100 and a full CSV for the records officer.

4
Approve
A permitted user types the policy name; any later change switches it off again.

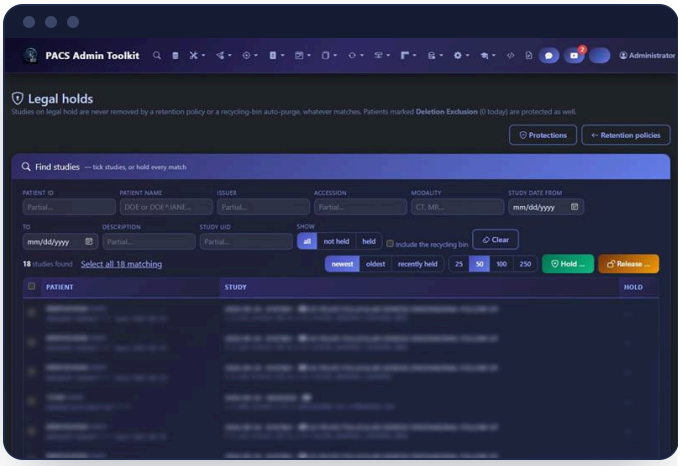
5
Runs and logs
The policy runs in its windows, oldest first, pausing itself if numbers look wrong; every study is logged.

IN THE PRODUCT

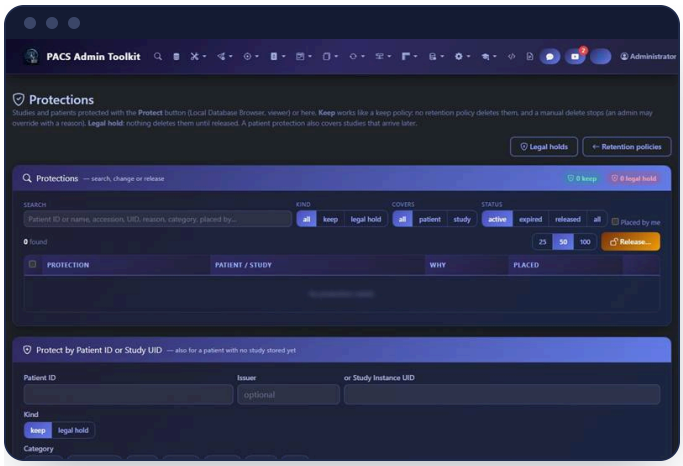
See it in action



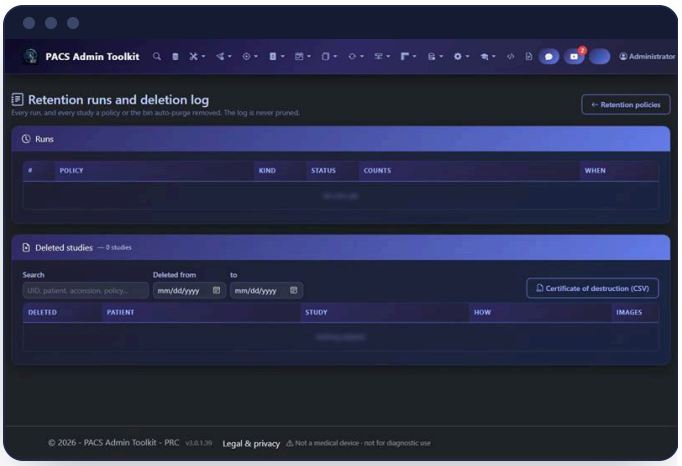
Every delete and keep policy with its state and next run



Legal holds: search, select up to 100,000 studies, hold with a reason



Protections placed with the Protect button, with category, reason and end date



The deletion log, exportable as a certificate of destruction

USE CASES

Where it pays off

State retention schedule on a regional cache server

CHALLENGE	The local cache keeps everything forever, and the disk alert fires every quarter. The state requires adults for 7 years and minors until age 25.
WITH PATK	The adults / minors template becomes a delete policy to the recycling bin, with a keep policy for mammography for 10 years; the records officer signs off the dry-run CSV.
OUTCOME	**Storage growth levels off, the rule is written down where anyone can read it, and every removal is in the log.**

Litigation hold on one patient

CHALLENGE	Risk management asks that every study for a patient be preserved, including studies that have not arrived yet.
WITH PATK	A patient-level legal hold from the browser covers every study of that Patient ID and issuer, now and later; no policy, purge or admin can remove them until the hold is released with a reason.
OUTCOME	**A hold that cannot be bypassed by accident, with placement and release in the audit log.**

Clearing a temporary or divested site

CHALLENGE	A mobile unit or a closed clinic sent studies under its own issuer; after six months they should leave the edge server.
WITH PATK	The one-issuer template removes that issuer's studies older than six months, capped per run and paused automatically if the count looks wrong.
OUTCOME	**The site's data is cleared on schedule, with a certificate of destruction for the file.**

3T

Trust · Truth · Transform

Trust

Nothing runs without a dry run and a typed approval; legal holds are checked again inside the delete itself; safety stops pause a policy before a mistake becomes a mass deletion.

Truth

See exactly what a rule would remove before it removes anything, what each hold kept back, and a permanent per-study record of what went, when and under which policy.

Transform

Retention stops being a yearly fire drill: written once, approved once, and run quietly every night inside its window.

VALUE MODEL

What it can be worth

An example edge or cache server that keeps growing until someone purges it by hand.

Storage released per year by retention policies	40 TB
All-in cost of primary storage plus its backup, per TB per year	$300
Administrator time on manual purges avoided	8 hours a month (96 hours a year)
Records and legal requests answered from the deletion log instead of by search	20 a year, 2 hours saved each
Blended staff cost per hour	$55

$19,500

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

- **Safer than a purge script**
  Dry runs, typed approval, per-run caps and automatic pauses are built in, where a script deletes whatever its query returns.
- **Holds that really hold**
  Legal holds win over every policy, every manual delete and the bin purge, and are re-checked at the moment of deletion.
- **Proof for the records officer**
  A permanent deletion log and certificate-of-destruction export, which disk-cleanup tools and scripts do not keep.
- **Scoped for multi-site**
  A policy written by a facility or site user only touches that unit's studies when Access Topology is licensed.

SPECIFICATIONS

At a glance

Scope	Studies stored in PATK's own database and files; never other systems
Conditions	Patient, study, series and calculated fields; AND / OR groups; lists up to 1,000,000 values; dynamic dates
Safety	Per-run cap, share-of-all-studies pause, jump pause, recent-arrival protection, recycling bin by default
Protection	Keep policies, legal holds, Protect button (study or patient), Deletion Exclusion patients
Record	Deletion log kept forever, certificate of destruction (CSV), audit log for holds and overrides
Permissions	Separate approve, permanent delete, release hold, place hold, override and bin auto-purge rights

See Study Retention Policies 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

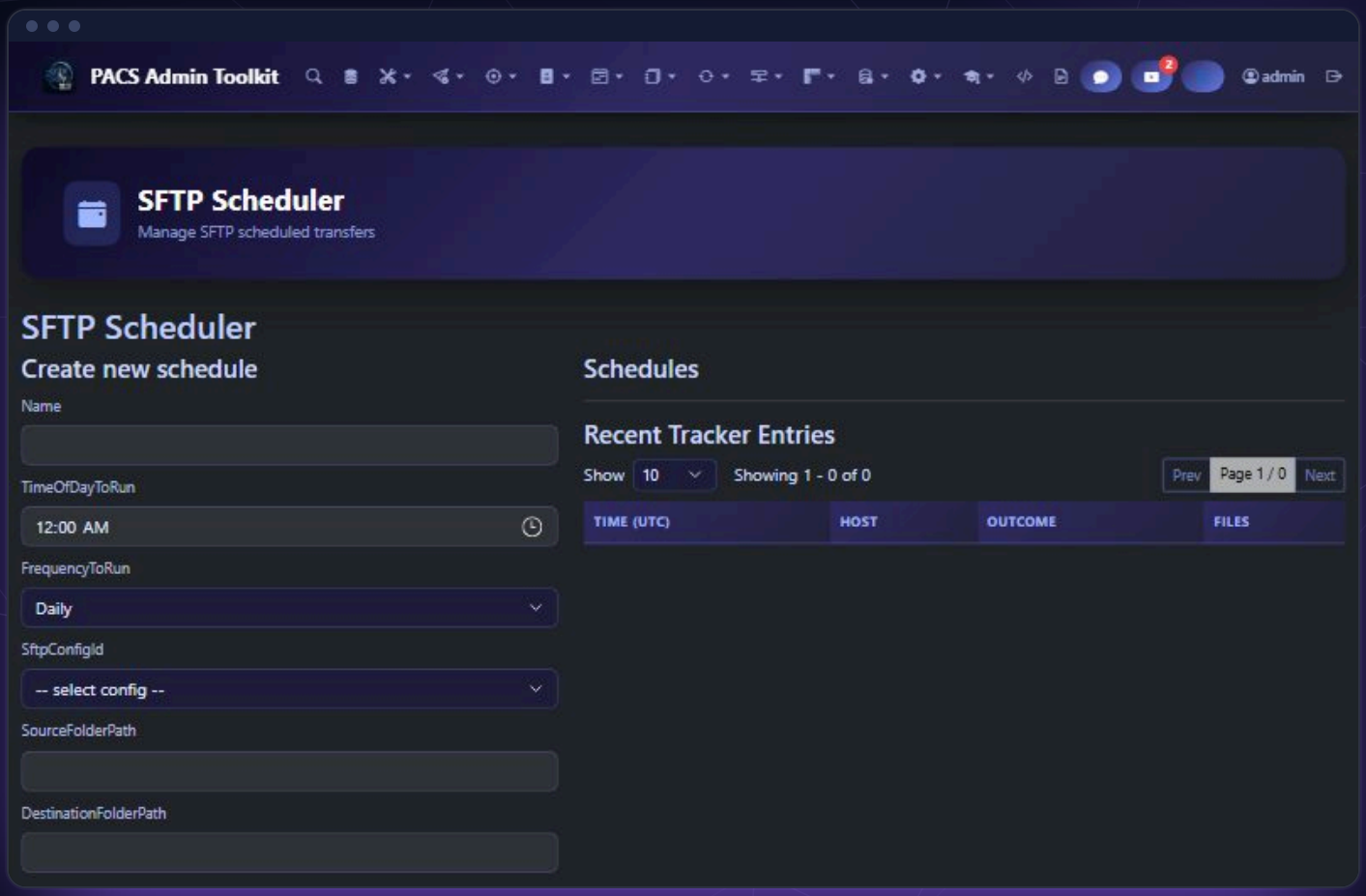
Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Platform & Integration | Leads with Transform

SFTP Transfers

Partner files collected on schedule, landed safely, and logged, with nobody logging in to fetch them.



Scheduled pulls from partner SFTP servers into a local or network folder, with encrypted logins and a record of every run. Daily, weekly, monthly or yearly, with resume, safe file naming and optional clean-up at the source.

Every minute
schedule check, missed runs made up within 6 hours

Resume
partial downloads continue, finished files are skipped

Encrypted
passwords, SSH keys and passphrases at rest

Replaces: **Scripted file-transfer jobs and Windows scheduled tasks**

License module SFTP

THE CHALLENGE

Why it matters

Radiology runs on files that arrive from someone else: an outsourced billing or coding partner, a teleradiology group, an outside facility sending patient or accession lists for a migration. They are posted to the partner's SFTP server, and somebody has to go and get them, often first thing in the morning, before the downstream import runs.

When that somebody is on leave, or the script on an old desktop stops working, nobody notices until the import is empty. The login sits in a batch file in plain text, and there is no record of what was fetched or when.

> IN SHORT
>
> Scheduled pulls from partner SFTP servers into a local or network folder, with encrypted logins and a record of every run. Daily, weekly, monthly or yearly, with resume, safe file naming and optional clean-up at the source.

CAPABILITIES

What it does

- **Saved server profiles**
  Host, port and login (anonymous, username and password, or username and SSH private key with passphrase), encrypted with the server's data-protection keys.
- **Schedules in plain terms**
  Daily, weekly on chosen days, monthly on a day number (end-of-month handled), or once a year, at a set time in server local time.
- **Only the files you want**
  Name patterns (for example every .csv file, or files starting with REPORT_) pick the files from one remote folder; dot files and sub-folders are left alone.
- **Lands anywhere you can write**
  A local or UNC folder, created if missing, optionally written with a dedicated share login instead of the app's own account.
- **Safe, restartable downloads**
  Each file is written to a temporary name and renamed only when complete; a file already there with the same size is skipped and a shorter one is resumed.
- **Optional source clean-up**
  Remove each file from the partner's server once it is safely in place, switched on only after a few runs look right.
- **Run now, with a live log**
  Start a schedule on demand and watch it match and download; it finishes on the server even if the window is closed.
- **A record of every run**
  Each run is a tracker entry with time, host, outcome and files moved, listed per schedule and across all schedules.

Diagnostics after a move
Check that a stored SSH key can still be decrypted and parsed, useful after moving the app to a new server.

WORKFLOW

How it works

1. **Add the server**
Host, port and login are saved once and encrypted.

2. **Schedule the pull**
Pick the server, remote folder, local folder, file patterns and when.

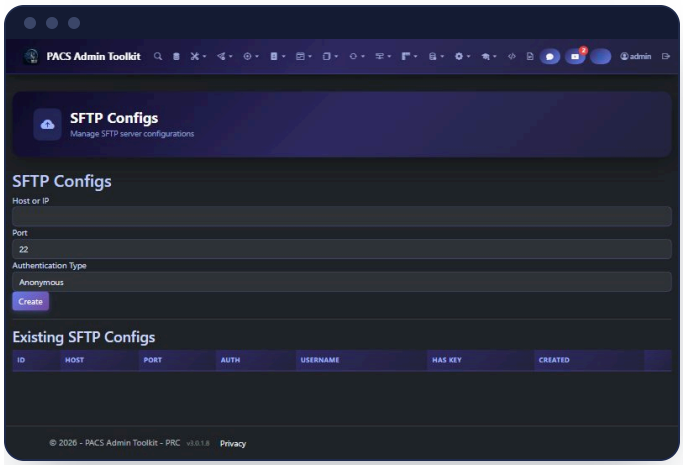
3. **Background check**
Every minute PATK runs each enabled schedule that is due; a run missed while the app was down is made up within 6 hours.

4. **Files land**
Matching files download to a temporary name, then take their real name in the destination folder.

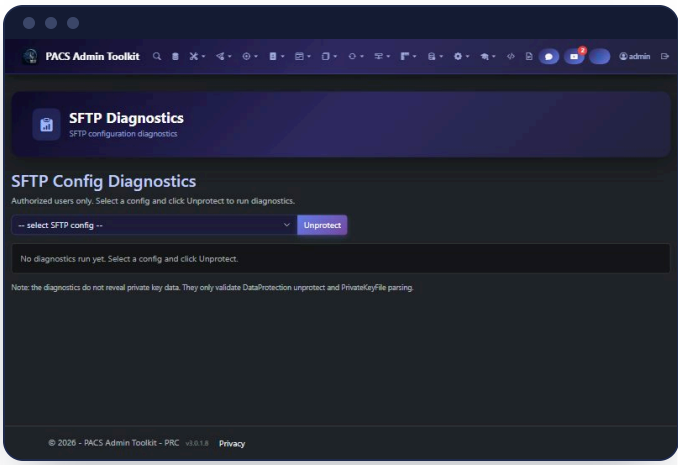
5. **Run recorded**
The outcome and the files moved appear in the tracker for that schedule.

IN THE PRODUCT

See it in action



SFTP servers and their logins: password or SSH key, stored encrypted



Diagnostics confirms a stored SSH key can be read on this server

USE CASES

Where it pays off

Nightly files from an outsourced billing partner

CHALLENGE	The billing partner posts charge and remittance files every night; finance needs them on a share by 6 a.m., and a staff member downloads them by hand.
WITH PATK	A daily 02:00 schedule pulls the .csv files from the partner's outbound folder to the finance share with an SSH key, and removes them at the source after a few clean nights.
OUTCOME	**The files are waiting every morning, including weekends, and a missed file shows as a failed run instead of an empty import.**

Report files from a teleradiology group

CHALLENGE	An overnight reading partner drops report files on its SFTP server; the local team copies them into a folder another system reads.
WITH PATK	A schedule pulls the report files into that folder at the times the partner posts them, writing to the share with a dedicated service login.
OUTCOME	**No manual copying overnight, and a run history that shows when each batch was collected.**

Lists from an outside facility during a migration

CHALLENGE	A newly acquired site sends weekly patient and accession lists for the migration team, by e-mail attachment.
WITH PATK	The site posts the lists to its SFTP server instead; a weekly schedule collects them into the migration team's folder.
OUTCOME	**Patient lists stay off e-mail, and the team always works from the latest file.**

3T

Trust · Truth · Transform

Trust

Passwords and private keys are encrypted at rest, files are never half-written under their real name, and source files are removed only when you choose and only after a safe download.

Truth

Every run leaves a tracker entry: when it ran, which host, how many files, and the exact reason when it did not work.

Transform

A daily chore becomes a schedule: staff stop logging in to partner servers, and files are ready before the workday starts.

VALUE MODEL

What it can be worth

An example department collecting three partner feeds every day.

Partner feeds collected by hand today	3
Staff time per manual collection, including logging in and checking	15 minutes
Collections per year (every day, 3 feeds)	1,095 (about 275 hours)
Late or missed files a year that need chasing and re-running imports	10, 4 hours each (40 hours)
Blended staff cost per hour	$45

$14,200

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

- **Not a script on a desktop**
  Schedules, logins and history live in the same platform as the rest of your PACS administration, with one login and one audit trail.
- **Secrets handled properly**
  Logins are encrypted with the server's data-protection keys instead of sitting in a batch file.
- **Built for unreliable links**
  Resume, skip and temporary-name writes make re-runs safe, where a simple copy job re-downloads or leaves partial files.
- **Calendar logic done for you**
  Weekly days, month-end and leap-year dates and make-up runs after a restart are handled without custom code.

SPECIFICATIONS

At a glance

Protocol	SFTP (SSH), pull (download) from the remote server
Authentication	Anonymous, username and password, username and SSH private key (with passphrase)
Schedules	Daily, weekly (chosen days), monthly (day number), annually; Run now on demand
Destination	Local or UNC folder, optional share login
Safety	Temporary-name writes, resume and skip by size, optional source removal after success
Record	Tracker entry per run (time, host, outcome, files); last 20 runs per schedule

See SFTP Transfers 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

Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

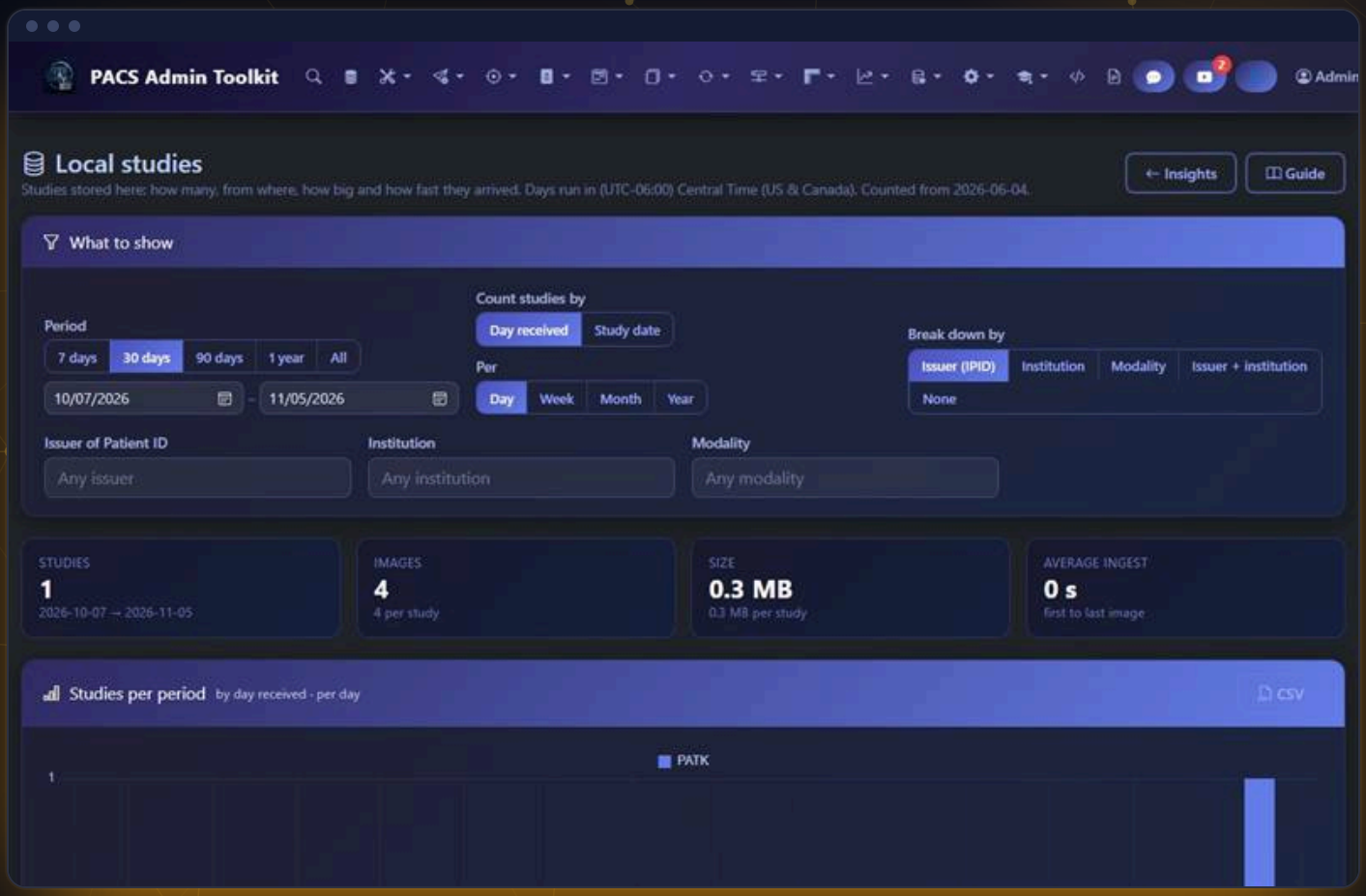
Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Insight & Governance

Leads with Truth

Insights

Volumes, sizes, speeds and success rates for everything PATK handles, by day, week, month or year.



Statistics and trends for studies received, retrieval, routing, worklist and reporting, broken down by issuer, institution, modality, destination and facility. Collected quietly in the background, kept after the source logs are pruned.

0
triggers on the tables the listeners write

5 minutes
between collector passes (default)

Kept
numbers survive log pruning and study purges

Replaces: **Spreadsheets and ad hoc database reports**

License module `INSIGHTS`

THE CHALLENGE

Why it matters

The imaging director asks a simple question: how many CT studies did the new hospital send last quarter, and how much storage will we need next year? The answer lives in a dozen logs that are pruned after 7 or 30 days, so someone exports what is left into a spreadsheet and spends an afternoon on it.

Dashboards show the last day well, but not the trend. Running heavy reports straight against the production database is something nobody wants to do while modalities are sending.

IN SHORT

Statistics and trends for studies received, retrieval, routing, worklist and reporting, broken down by issuer, institution, modality, destination and facility. Collected quietly in the background, kept after the source logs are pruned.

CAPABILITIES

What it does

Local studies, counted
How many studies arrived, from which issuer, institution and modality, how big they were, how long they took to arrive and the ingest speed in MB/s.

Any period, any breakdown
7, 30 or 90 days, a year, everything, or any two dates; per day, week, month or year; by issuer, institution, modality or issuer and institution together, with CSV export.

Top lists
The largest, slowest, fastest and longest-to-arrive studies, overall or within each issuer or institution, one click from the study itself.

Retrieval performance
Prefetch, HL7 Fetch and priors fetch: triggers, C-MOVEs, the share that worked, images moved and move times by source, destination and modality.

Routing and listeners
Images sent and failed per destination, the wait from queued to sent, C-MOVEs, images received and associations per listener, with the busy hours of the day.

Workflow tools
Worklist queries and orders, DICOM to HL7, Report to SR, HL7 sends, report sends, PDF exports and SR Sync, each with its own totals and tables.

History that stays
Daily totals are kept after the tools prune their logs, and after studies are recycled or purged; Build history counts what was stored before Insights was installed.

Never in the way of clinical data
Collectors read what is already stored, in small time-boxed passes, wait while the listener has a backlog, and run on one server at a time.

By facility
Every number belongs to the facility or site of the data it counts; with Access Topology enforced, people see only their own units' numbers.

WORKFLOW

How it works

1
Data flows as always
Listeners, queues, prefetch and worklist store their data normally.

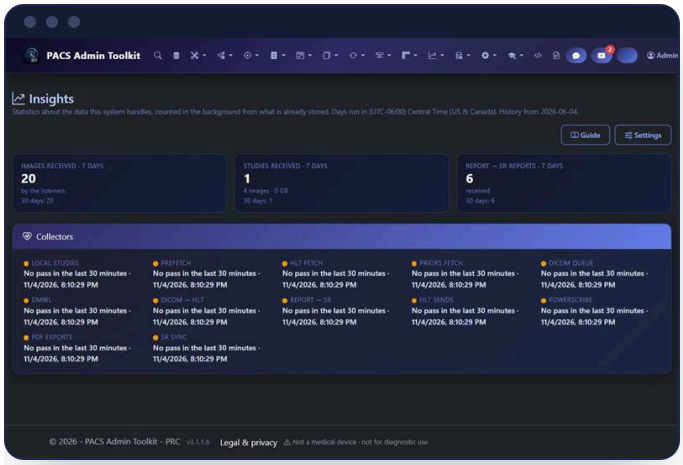
2
Collectors read
Every few minutes, a pass reads only what was added since the last one.

3
Daily totals
One row per day and per issuer, institution, modality, destination and so on.

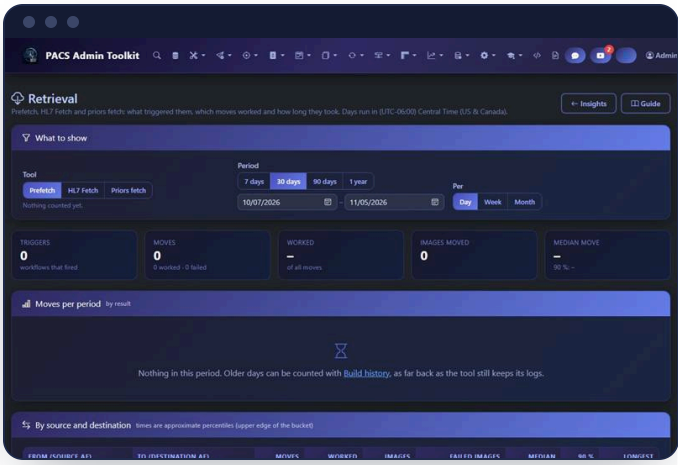
4
Pages and exports
Charts, tables, top lists and CSV for any period.

IN THE PRODUCT

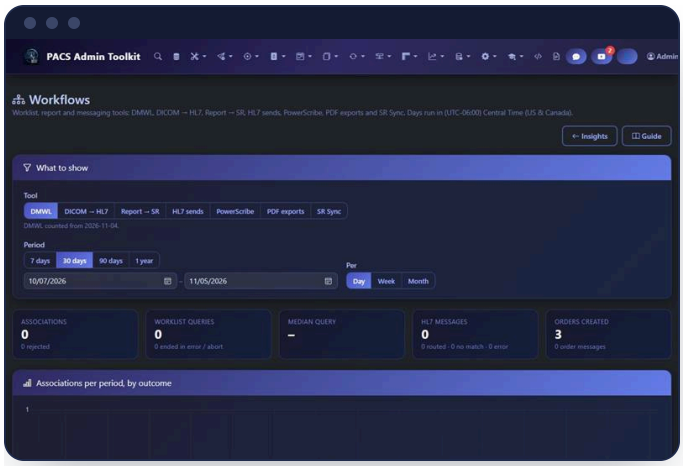
See it in action



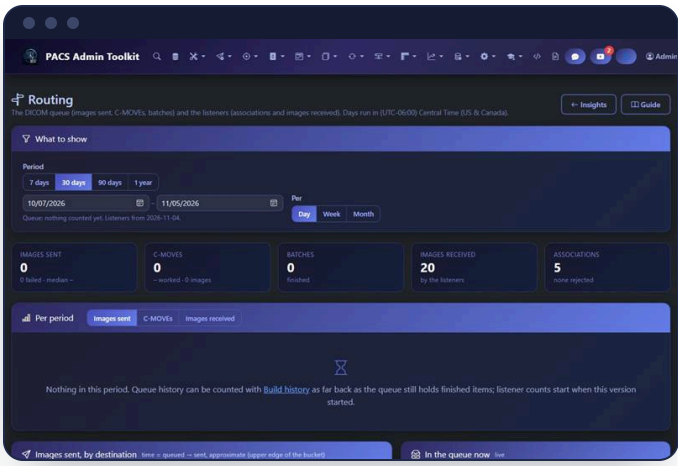
The Insights overview: last-7-day totals and the state of every collector



Retrieval: prefetch, HL7 fetch and priors moves by period, source and destination



Workflows: worklist, DICOM to HL7, Report to SR, PowerScribe, PDF and SR Sync activity



Routing: images sent, C-MOVEs and listener traffic per period

USE CASES

Where it pays off

Monthly volume report for the imaging director

CHALLENGE	Every month a PACS analyst builds study counts by hospital and modality from exports, and the numbers never quite match last month's.
WITH PATK	Local studies, by issuer and modality, per month, filtered to one facility, exported to CSV.
OUTCOME	**The report takes minutes, and the same question asked twice gives the same answer.**

Planning storage for next year

CHALLENGE	Storage is bought in a hurry when a store nears its limit, because nobody can show how fast each source is growing.
WITH PATK	Study counts and sizes per institution and modality over a year show where the growth comes from and how fast.
OUTCOME	**Storage is planned and budgeted from measured growth instead of bought in an emergency.**

Priors that arrive late at a reading group

CHALLENGE	Radiologists at a teleradiology group say comparison studies are often missing when they open a case.
WITH PATK	Retrieval shows the share of prefetch moves that worked, the median and slowest move times per source archive, and which workflows found no match.
OUTCOME	**The slow archive and the misconfigured workflow are found from evidence, and fixed where the problem is.**

3T

Trust · Truth · Transform

Trust

Collection is read-only on clinical data, adds no triggers, pauses while the listener catches up, and respects facility boundaries.

Truth

Measured volumes, sizes, speeds and success rates, kept for years instead of the 7 or 30 days the logs hold.

Transform

Monthly reports, capacity plans and vendor conversations start from a page and a CSV instead of an afternoon of exports.

VALUE MODEL

What it can be worth

An example department that builds its volume and performance reports by hand today.

Recurring reports built by hand each month	6
Hours per report today, share saved with Insights	4 hours, 90% (about 260 hours a year)
Ad hoc volume, storage and performance questions per month	10 x 1 hour (120 hours a year)
Blended analyst and PACS administrator cost per hour	$60
Premium avoided on one rushed storage purchase per year	$5,000

$27,800

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 from the source**
  Numbers come from the same records the tools keep, not a separate export or reporting database to maintain.
- **Safe to run in production**
  Designed to stay out of the way of listeners, unlike reports run directly against the live database.
- **History already there**
  Collection runs on every installation, so when Insights is licensed the history is already built.
- **Covers the whole platform**
  Studies, retrieval, routing, worklist and reporting in one place, where separate tools each keep their own short logs.

SPECIFICATIONS

At a glance

Pages	Overview, Local studies, Retrieval, Routing, Workflows, Settings
Breakdowns	Issuer, institution, modality, calling AE, listener, destination, workflow, template, facility / site
Periods	Day, week, month, year; preset ranges or any two dates; server or chosen time zone
Exports	CSV of every chart's numbers; top lists linked to the study
Collection	Background passes every 5 minutes (default), time-boxed, backlog-aware, one server at a time
History	Build history from stored data, resumable; daily totals kept after logs and studies are pruned

See Insights 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

Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

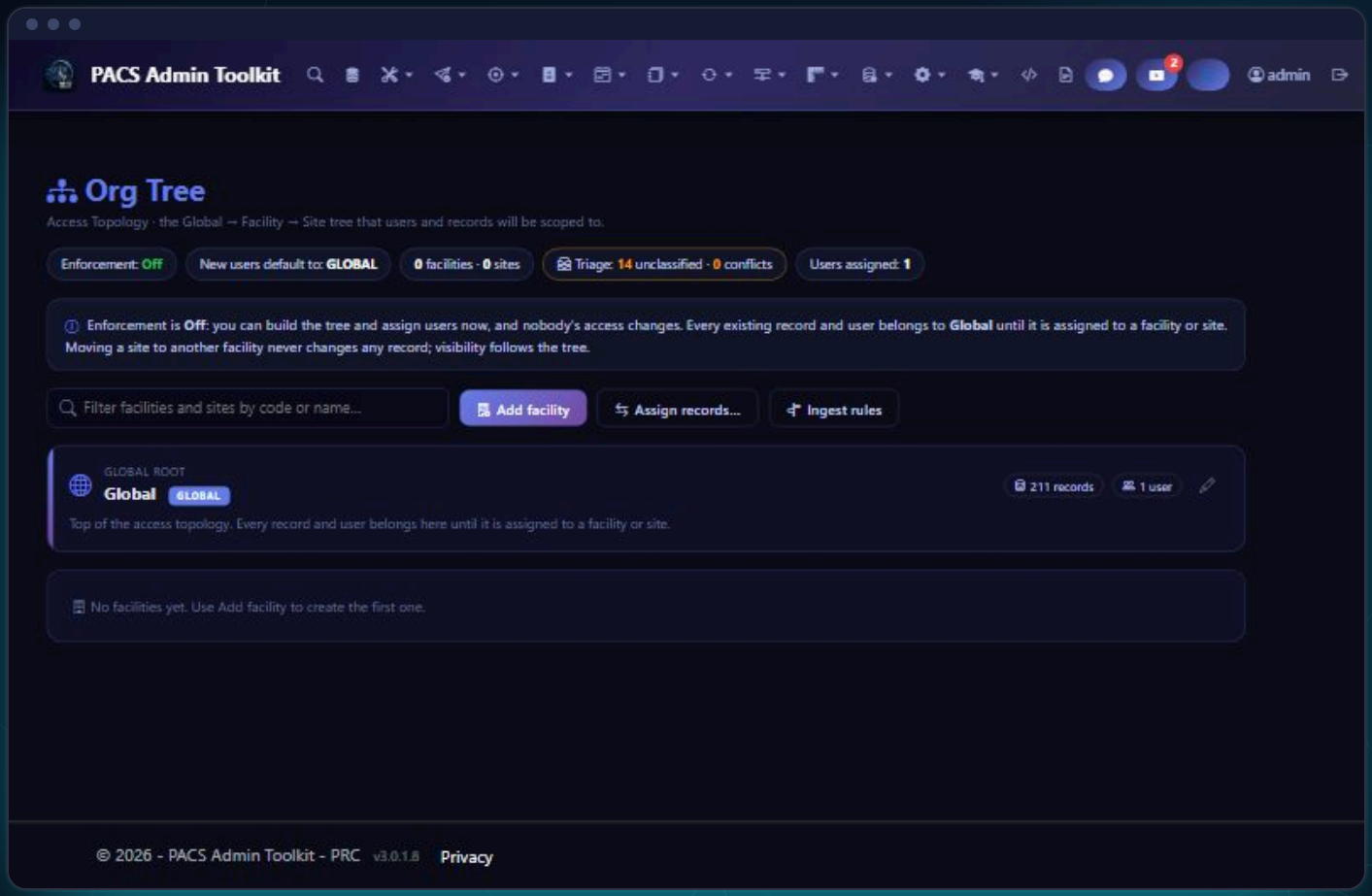
PowerScribe is a trademark of its respective owner; it is named only to describe compatibility. No endorsement is implied.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Insight & Governance | Leads with Trust

Access Topology

One installation for many facilities, with each group of people seeing only its own data.



Facilities and sites, an owner for every record and per-person assignments let one PATK installation serve a whole network. Enforcement switches on area by area, after a shadow period proves nothing will break.

1 install
many facilities, each seeing only its own records

0
incoming records rejected for lack of an owner

Off, Shadow, Enforce
per area, reversible with one switch

Replaces: **Separate installations per facility**

License module ACCESS

THE CHALLENGE

Why it matters

Health systems consolidate: a second hospital joins, an imaging centre is acquired, a reading group covers several sites. The shared PACS tooling either shows everyone everything, which privacy officers will not accept, or gets split into one installation per facility, each with its own servers, upgrades and duplicated configuration.

Switching on restrictions is risky too. Turn them on in one step and a radiologist loses a study at 2 a.m., or a modality's worklist goes empty, and nobody can say in advance who would be affected.

IN SHORT

Facilities and sites, an owner for every record and per-person assignments let one PATK installation serve a whole network. Enforcement switches on area by area, after a shadow period proves nothing will break.

CAPABILITIES

What it does

- **An org tree that mirrors your network**
  One Global root, then facilities (a hospital or organisation), then sites (a department, campus or imaging centre), each with a code and badge colour.
- **An owner for every record**
  Studies, HL7 messages, worklist orders, forms, logs, picklists, templates, destinations and listeners each belong to exactly one unit.
- **Ownership decided as data arrives**
  Ingest rules, issuer-of-patient-ID owners and listener owners classify each image, message or order once; nothing that can't be classified is rejected, it is kept and counted in Triage.
- **People get access per unit**
  Admin or User on one or more facilities or sites, by hand, copied from a colleague, or from AD groups at every sign-in, with optional expiry for locums and vendors.
- **Safe roll-out**
  Each area (worklist, HL7, SR, local database, messenger and more) goes Off, then Shadow, which records what would be hidden or refused, then Enforce. One switch turns it all off again with nothing lost.
- **Existing data classified safely**
  Data Assignment applies today's rules, issuers or a spreadsheet to stored records, with a preview, background batches and undo from history.
- **Sharing without copies**
  A share lets another site open one study, a patient's studies or a configuration category in place, with a required reason, optional expiry and audited reads.
- **Network scoping for devices**
  Serve only narrows a listener's queries or a modality's worklist to one unit; Accept only keeps a destination to its own unit's data. Both fail closed.

Check before you tell anyone
Effective access and View as show the app exactly as a given person sees it; a hidden record answers "not found", never revealing that it exists.

WORKFLOW

How it works

1
Build the tree
Add facilities and sites; nothing changes for users yet.

2
Assign people
Give each person Admin or User on their units, or map AD groups.

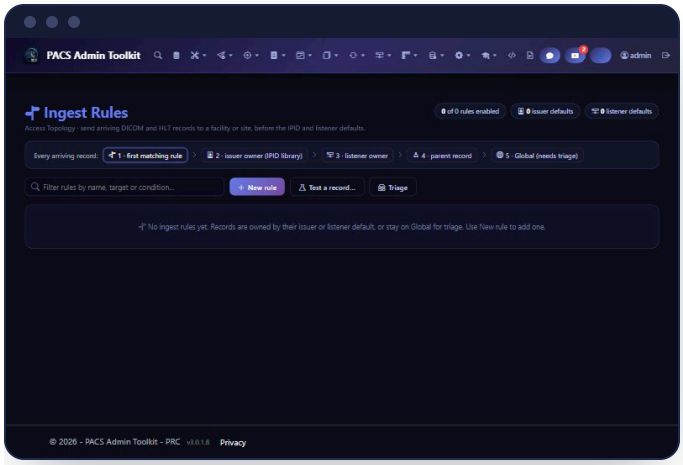
3
Classify data
Ingest rules, issuer and listener owners for new data; Data Assignment for history.

4
Shadow
Let people work for a week while every would-be refusal is recorded and explained.

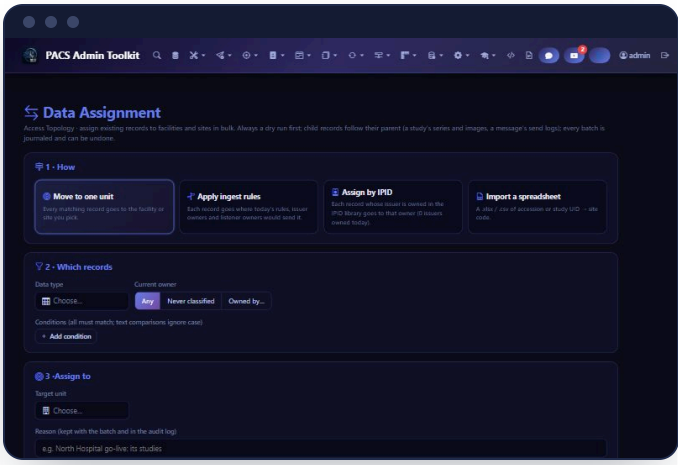
5
Enforce
Switch one area at a time; people below Global see only their units' records.

IN THE PRODUCT

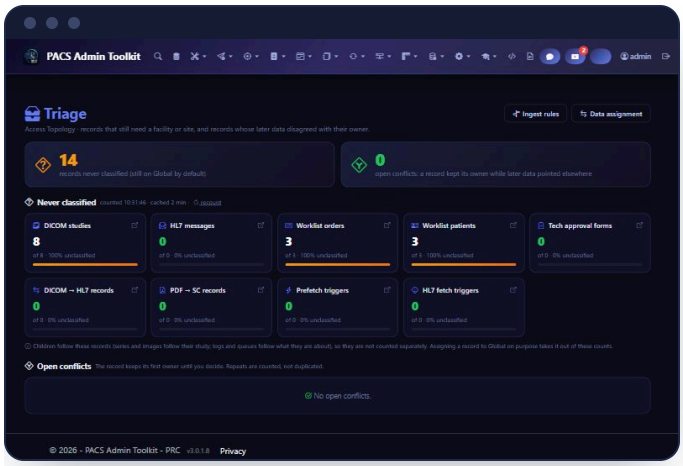
See it in action



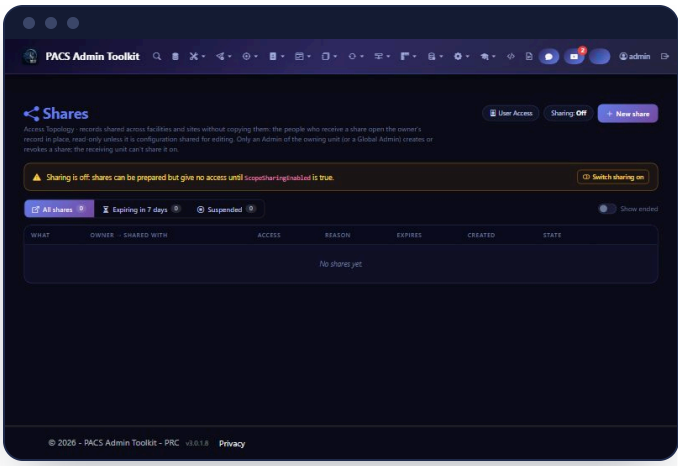
Ingest rules decide which facility or site owns each arriving record



Data Assignment classifies existing data with a dry run and undo



Triage lists never-classified records and ownership conflicts



Shares let another site open one record in place, with a reason and expiry

USE CASES

Where it pays off

Hospital network adding a second facility

CHALLENGE	A newly joined hospital will send studies and orders to the same PATK installation, and neither hospital's staff may see the other's patients.
WITH PATK	A new facility in the org tree, its issuer and new listener given that owner, staff assigned to it, a week in Shadow, then Enforce area by area.
OUTCOME	**One installation and one set of upgrades for both hospitals, with privacy proven in the Shadow report before it was switched on.**

Radiologists and locums reading for several sites

CHALLENGE	A teleradiology group's readers cover two sites in different facilities; locums need access for a few weeks only.
WITH PATK	Each reader gets User on exactly those two sites, with an expiry date for locums; a scope switcher lets them narrow to one site while reading.
OUTCOME	**Readers see the sites they cover and nothing else, and temporary access ends on its own without a ticket.**

A transfer patient's prior imaging

CHALLENGE	A patient moves from one hospital to another; the receiving ED needs the earlier CT for two weeks, and nothing more.
WITH PATK	The sending site's admin shares that one study with the receiving site, with a reason and a 14-day expiry.
OUTCOME	**The receiving team opens the study in place, read-only and badged as shared; every read is audited and access stops at expiry.**

3T

Trust · Truth · Transform

Trust

Every record has one owner, access is granted per unit, shares need a reason, and every grant, share and read through a share is in the audit log. Device scoping fails closed.

Truth

The Shadow report shows exactly who would lose what before anything is enforced; Triage shows records nobody classified; Effective access shows what one person really sees.

Transform

One installation serves the whole network: one upgrade, one configuration with site-level copies where needed, and access changes made by facility admins instead of central IT.

VALUE MODEL

What it can be worth

An example three-facility network running one PATK installation instead of one per facility.

Facilities served by one installation	3
Separate installations avoided	2
Admin hours per year to run each extra installation (upgrades, duplicated configuration)	80 (160 in all)
Access reviews and privacy questions per year, hours saved on each with Effective access and the audit log	24 x 3 hours (72)
Blended IT and PACS administrator cost per hour	$60
Server and hosting cost avoided per extra installation per year	$6,000

$26,000

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

Proven before it is enforced
Shadow mode records every read that would be hidden and every change that would be refused, area by area; most access projects have only "switch it on and see".

Never in the way of clinical data
Unclassified data is stored and counted, never rejected; listeners keep receiving whatever the enforcement mode.

Reversible
One switch returns every area to Off at once; owners, assignments, rules and shares stay ready for the next attempt.

Covers the whole platform
The same owner and assignment model applies to routing, worklist, reporting, priors, messenger and insights, rather than a separate permission scheme per tool.

SPECIFICATIONS

At a glance

Structure	Global, facilities, sites; Admin or User assignments with optional expiry
Ownership	Ingest rules (DICOM tags, AE / IP, HL7 fields, schedule), issuer of patient ID, listener owner, inheritance
Roll-out	Off / Shadow / Enforce per area, Shadow report with explanations, one-switch rollback
Tools	Data Assignment (preview, batches, undo), Triage, Effective access, View as, scope switcher
Sharing and devices	Record, patient and category shares; Serve only and Accept only per listener, device or destination
Identity	Manual, copy access, AD group mappings re-synced at sign-in, API key scopes

See Access Topology 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

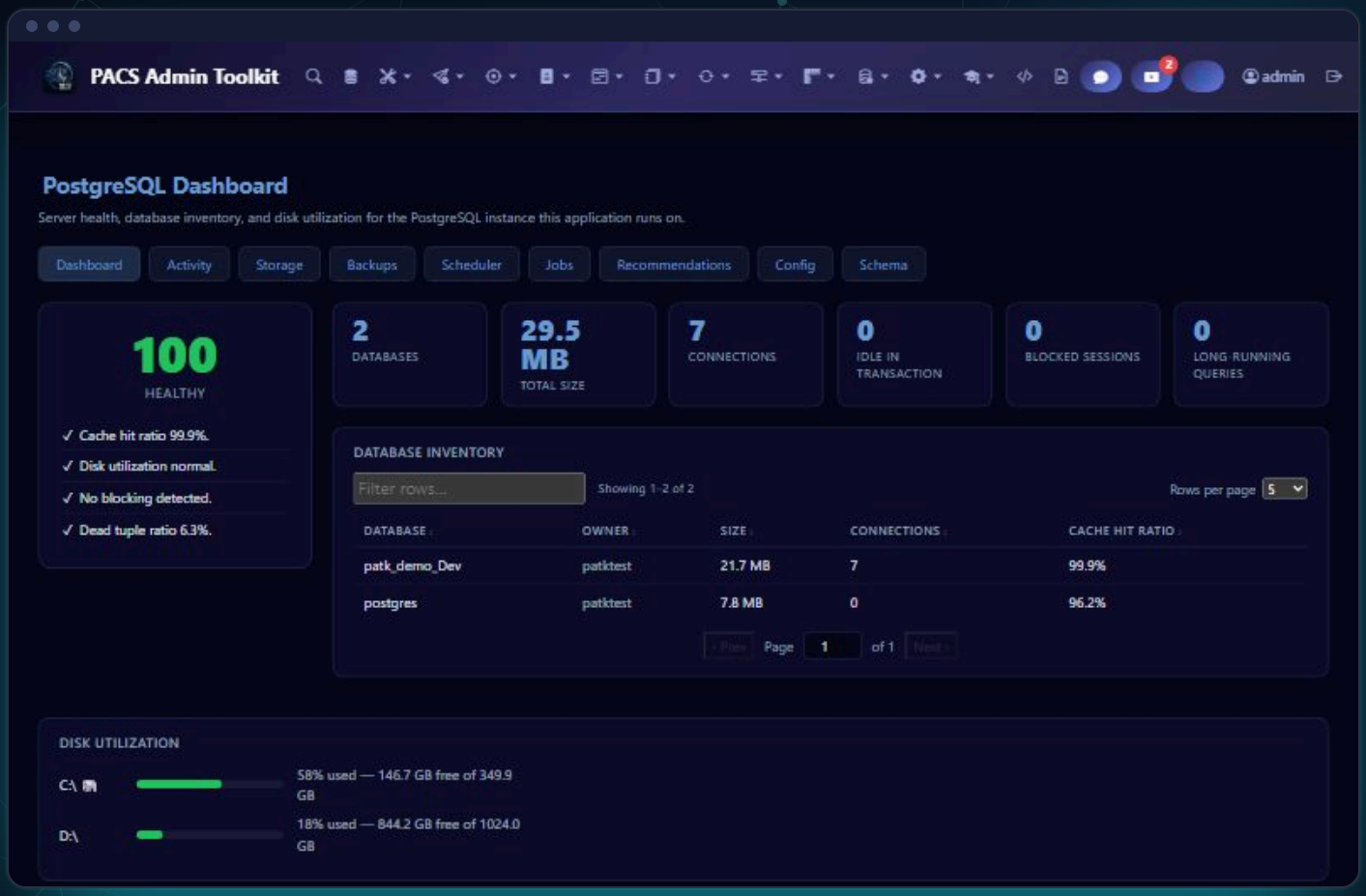
Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Platform & Integration | Leads with Trust

PostgreSQL Admin

Keep the database behind a 24/7 imaging service healthy, backed up and explainable, without a full-time DBA.



A health dashboard, live activity, storage, backups, scheduled maintenance and plain-English recommendations for the PostgreSQL server PATK runs on. Risky actions ask first, run one at a time in the background and are audited.

2 min
typical daily health check

Every 5 min
disk checks with e-mail alerts on a change

1 at a time
maintenance jobs, queued and audited

Replaces: **Separate database monitoring tool plus contract DBA hours**

License module `DB_ADMIN`

THE CHALLENGE

Why it matters

Routing, worklist, prefetch and reporting all depend on one database that never gets a quiet night. When it slows down, technologists wait at the modality and radiologists wait for priors, and the first question is always "is it the database?" Most imaging teams have nobody who can answer that quickly.

Backups are often a scheduled task that nobody checks until the day it is needed, and a disk that fills at 3 a.m. takes every feed down with it. Bringing in a DBA for routine checks is slow and costly.

> **IN SHORT**
>
> A health dashboard, live activity, storage, backups, scheduled maintenance and plain-English recommendations for the PostgreSQL server PATK runs on. Risky actions ask first, run one at a time in the background and are audited.

CAPABILITIES

What it does

- **A health score at a glance**
  The dashboard scores the server on cache hit ratio, disk fullness, blocked sessions, idle-in-transaction sessions and dead rows, with a 30-day growth chart.
- **Live activity**
  Every session with its program, machine, state and duration; long queries highlighted at 2 and 10 minutes; blocking chains show who holds everyone up, with Cancel and a typed-confirmation Terminate.
- **Storage you can act on**
  Tables by size, indexes and dead rows, with VACUUM, ANALYZE and REINDEX (including CONCURRENTLY) queued from the page.
- **Verified backups**
  pg_dump backups of one, several or all databases, plus logins, optionally zipped; each file is checked after it is written.
- **Backup retention and disk alerts**
  Optional pruning by maximum age and a high-water mark (never below a minimum age), and e-mails when the data or backup drive crosses warn (75%) or critical (90%).
- **Schedules without cron**
  Nightly backups and weekly VACUUM / ANALYZE on daily, weekly or monthly schedules; missed runs are made up within 6 hours.
- **One job at a time**
  A background runner takes the oldest queued job; the Jobs page keeps status, duration and full output of every run.
- **Recommendations in plain English**
  Bloat, autovacuum tuning, unused indexes and stale backups, with preview SQL and one-click apply; unique and constraint-backed indexes are never offered for dropping.

Settings and schema
View and change server settings with reload (never restart), and browse every database's tables and columns.

Guard rails and audit
Every change is audited with the user name, high-risk actions need a typed phrase, and each action can be switched off per role.

WORKFLOW

How it works

1
Read the statistics
Dashboard, Activity, Storage and Recommendations read what PostgreSQL already tracks, live.

2
Queue a job
A button, Backup Now or a schedule adds VACUUM, ANALYZE, REINDEX or a backup to the queue.

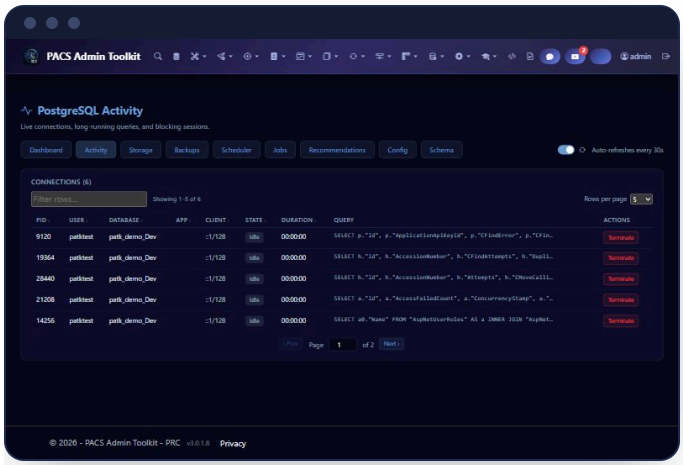
3
Run in the background
The job runner takes one job at a time, oldest first, checking every 5 seconds.

4
Watch the drives
Disk alerts check every 5 minutes; backup retention every 15 minutes, when switched on.

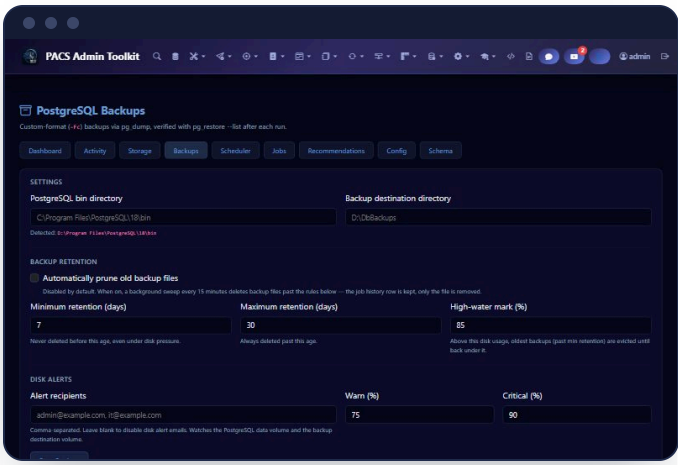
5
Review
The Jobs page and backup history show the outcome and full output of every run.

IN THE PRODUCT

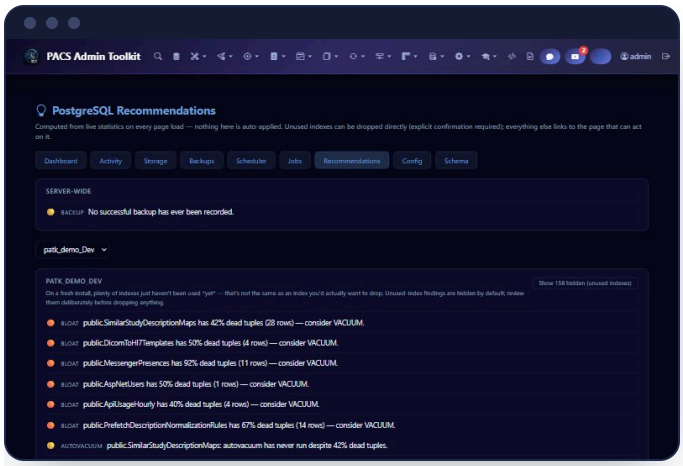
See it in action



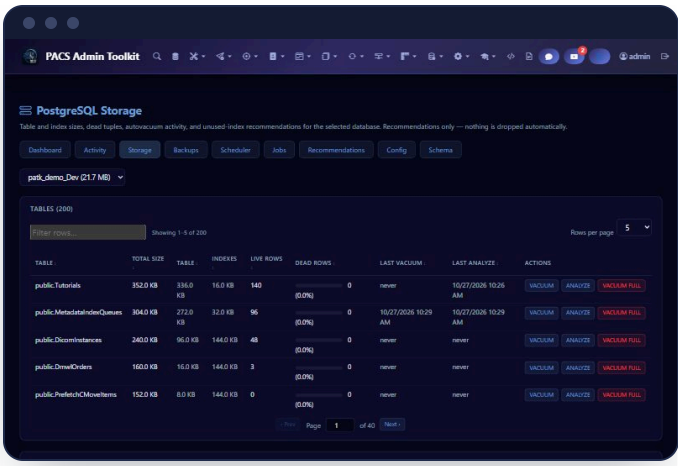
Live sessions, long-running queries and blocking chains



Backups with verification, retention and disk alerts



Recommendations explain bloat, autovacuum and index findings



Tables by size and dead rows, with VACUUM and REINDEX buttons

USE CASES

Where it pays off

"Is it the database?" during a slowdown

CHALLENGE	Saves hang across the department at 10 a.m. and the PACS team cannot tell whether the database is involved.
WITH PATK	Activity shows one session idle in transaction for 20 minutes blocking a chain of others, named by program and machine; the admin cancels it and the blocked count returns to zero.
OUTCOME	**A clear answer in minutes, and evidence for the owner of the stuck program to fix the cause.**

Backups that are proven, not assumed

CHALLENGE	The imaging database was backed up by a scheduled task nobody had checked in months.
WITH PATK	A nightly schedule backs up every database plus logins into one zip, verifies each file, prunes after 30 days and e-mails when the backup drive passes 75%.
OUTCOME	**A morning check that takes two minutes, and a monthly test restore into a scratch database that turns a hope into a backup.**

Planning disk before it fills

CHALLENGE	Leadership asks how long the database drive will last after a new facility goes live.
WITH PATK	The 30-day growth chart and Storage show the slope and the biggest tables, and separate real growth from bloat a VACUUM can reclaim.
OUTCOME	**A capacity estimate in weeks of headroom, raised well before the 75% warning.**

3T

Trust · Truth · Transform

Trust

Verified backups, disk alerts and safe defaults protect a database that clinical feeds depend on; dangerous actions ask first, need typed confirmation and are audited.

Truth

A health score, live sessions, blocking chains, sizes and growth show the real state of the server, so "is it the database?" has an answer.

Transform

Routine DBA work becomes schedules and a two-minute daily check that a PACS administrator can own.

VALUE MODEL

What it can be worth

An example single-server PATK install where routine database care was done by a contract DBA.

Routine database checks without PATK (monitoring, backups, maintenance, growth)	4 hours a week
Share of that time the pages and schedules take over	60% (about 125 hours a year)
Contract DBA rate	$110 per hour
Disk-full or stuck-session incidents caught early per year	2
Staff and downtime cost of one such incident, avoided	$4,000

$21,750

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 the people on call**
  Plain-English terms, healthy-versus-worrying thresholds and task guides, where general database tools assume a DBA.
- **Inside the product it protects**
  No separate monitoring server, agent or license; the same login, roles and audit trail as the rest of PATK.
- **Safe by construction**
  One job at a time, reload never restart, unique indexes never offered for dropping, and per-role switches for every risky action.
- **Backups with proof**
  Verification, retention rules and disk alerts in one place, instead of a scheduled task nobody watches.

SPECIFICATIONS

At a glance

Database	PostgreSQL server used by PATK (all its databases are shown)
Pages	Dashboard, Activity, Storage, Backups, Scheduler, Jobs, Recommendations, Config, Schema
Maintenance	VACUUM, ANALYZE, REINDEX (CONCURRENTLY), VACUUM FULL, autovacuum tuning per table
Backups	pg_dump per database, roles and users dump, zip sets, verification, retention by age and high-water mark
Alerts	Data and backup drive warn / critical e-mails (default 75% / 90%)
Controls	Typed confirmation for high-risk actions, per-role permissions, audit log for every change

See PostgreSQL Admin 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

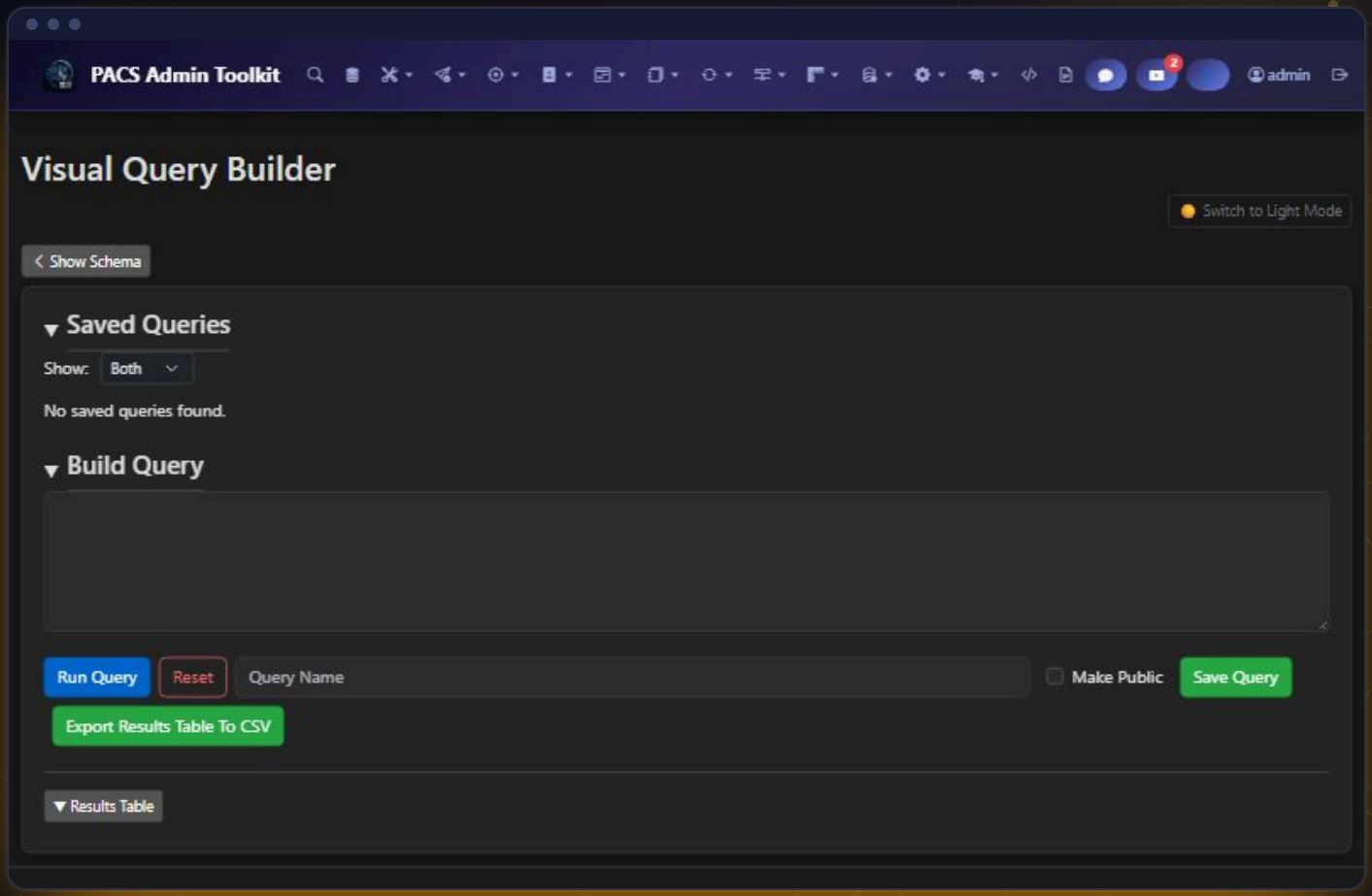
Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Insight & Governance | Leads with Truth

Queries

Ask your own data the question, chart the answer, and share it, without waiting on a report request.



A visual query builder over PATK's database with schema drag-and-drop, server-side paging, charts and CSV / Excel export. Saved queries can be private or shared, and every run is audited.

SELECT only
write statements refused before they run

Every run
written to the audit log with the SQL and user

CSV / Excel
exports, with leading zeros in MRNs kept

Replaces: **Ad-hoc report requests to IT or a separate reporting tool**

License module `QUERIES`

THE CHALLENGE

Why it matters

A director wants studies per modality for last week. A PACS analyst needs every issuer that appears on stored patients but is missing from the library. An auditor asks for a list of accessions from one site. Each question becomes a ticket, waits for someone with database access, and comes back as a one-off spreadsheet nobody can re-run.

Giving people a general database tool instead is worse: it can change data, it shows tables it should not, and nobody knows who ran what.

IN SHORT

A visual query builder over PATK's database with schema drag-and-drop, server-side paging, charts and CSV / Excel export. Saved queries can be private or shared, and every run is audited.

CAPABILITIES

What it does

- **Write SQL with the schema beside you**
  Show the tables and columns with their types, and drag a name into the editor already quoted correctly.
- **Read-only by design**
  Only SELECT and WITH statements run; statements containing write keywords are refused before they reach the database.
- **Sensitive tables kept out**
  An admin-set exclusion list hides tables (login and identity tables by default) and refuses queries that name them.
- **Big results handled**
  The row count is checked against a configurable limit first, then results load page by page from the server, with search.
- **Charts in a few clicks**
  Group by, stack by and a value column turn results into a bar chart; chart totals export to Excel.
- **Exports that open cleanly**
  Export to CSV with the columns you tick; numbers with leading zeros, such as MRNs, stay intact in Excel.
- **Queries that stay current**
  CURRENT_DATE is filled in at run time, so a saved "last 7 days" query is right every time it is loaded.
- **Save and share**
  Save a query by name, private to you or public for everyone; load it later and run it in one click.
- **Managed centrally**
  User Query Management lets admins search every saved query by name or SQL text, edit and delete; users manage their own.

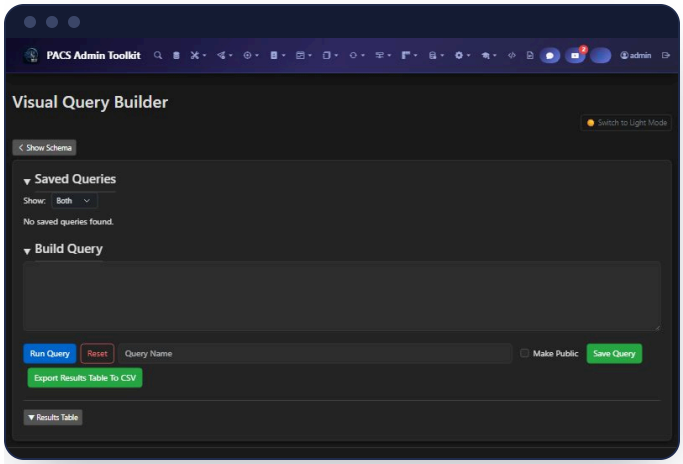
WORKFLOW

How it works

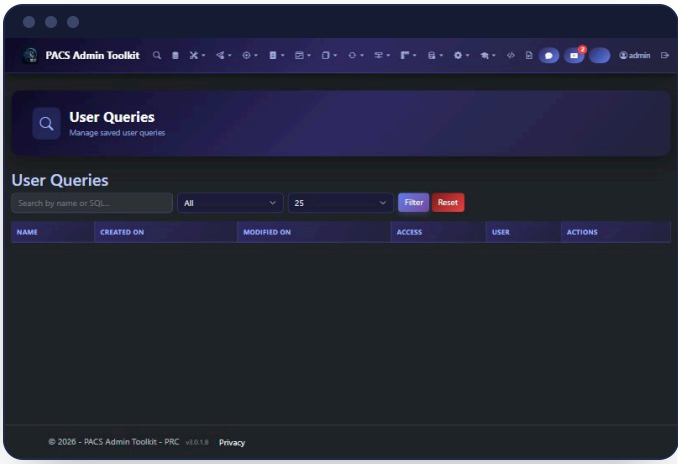
1. **Write**
   Build a SELECT in the Visual Query Builder, dragging names from the schema.
2. **Check**
   PATK confirms it is read-only, avoids excluded tables and stays under the row limit.
3. **Run**
   Results page in from the server; the run is written to the audit log.
4. **Chart and export**
   Group and total for a chart, or export the rows to CSV.
5. **Save**
   Keep it private or make it public for the team.

IN THE PRODUCT

See it in action



The builder: schema, SQL editor, paged results and chart



User Query Management: search saved queries by name or SQL text

USE CASES

Where it pays off

Weekly volume for the imaging director

CHALLENGE	The director asks IT every Monday for last week's studies by modality.
WITH PATK	An analyst saves a public "studies by modality, last 7 days" query with a bar chart; the director loads it whenever needed.
OUTCOME	**The Monday request disappears, and every run is the same definition of "volume".**

Data-quality checks for the PACS team

CHALLENGE	Studies keep arriving with patient issuers nobody has registered, but finding them means asking for a database extract.
WITH PATK	A saved query lists every issuer on stored patients that the issuer library does not know, busiest first, exported to CSV for the uploader.
OUTCOME	**A monthly check the PACS team runs themselves in a minute.**

Answering an audit request

CHALLENGE	Compliance needs the accession numbers and dates for one site's studies in a date range, and proof of who pulled the list.
WITH PATK	A scoped SELECT exports exactly those columns; the audit log records the SQL, the user and the time.
OUTCOME	**The list is delivered the same day, with its provenance on record.**

3T

Trust · Truth · Transform

Trust

Write statements are refused, sensitive tables are excluded, results are capped, and every run, save and edit is audited; with facility and site enforcement on, only Global users can run raw SQL.

Truth

Look at the true data behind every page in PATK, with numbers you can chart, export and re-run on the same definition.

Transform

Report requests turn into saved, shared queries that directors and analysts run themselves, freeing IT from one-off extracts.

VALUE MODEL

What it can be worth

An example department whose ad-hoc data questions currently go to IT or the vendor.

Ad-hoc data requests per month	15
Analyst or IT time per request today	2 hours (360 hours a year)
Share answered by saved or self-written queries	70% (252 hours a year)
Blended analyst cost per hour	$75
Paid custom reports avoided per year	4 at $1,500 each

$24,900

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

Safer than a database client
Read-only checks, excluded tables, row limits and an audit trail, which a general SQL tool on an admin's desktop does not give you.

No separate reporting stack
Query, chart and export from the same browser login, with no extra server or license.

Reusable, not one-off
Saved public queries become the team's shared definitions instead of spreadsheets that cannot be reproduced.

Built for PACS data
Exports keep MRN leading zeros and saved date ranges stay current, small details that save real rework.

SPECIFICATIONS

At a glance

Pages	Visual Query Builder, User Query Management, Edit User Query (admins)
Language	PostgreSQL SELECT and WITH (CTE) statements
Safety	Write keywords refused, excluded tables (TablesToExclude), row limit (MaxQueryResults), audit log for every run
Output	Paged results with search, bar charts (group, stack, value), CSV export, chart totals to Excel
Sharing	Private or public saved queries; admins search, edit and delete all
Access	Page permissions per role; Global users only once facility / site access is enforced

See Queries 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

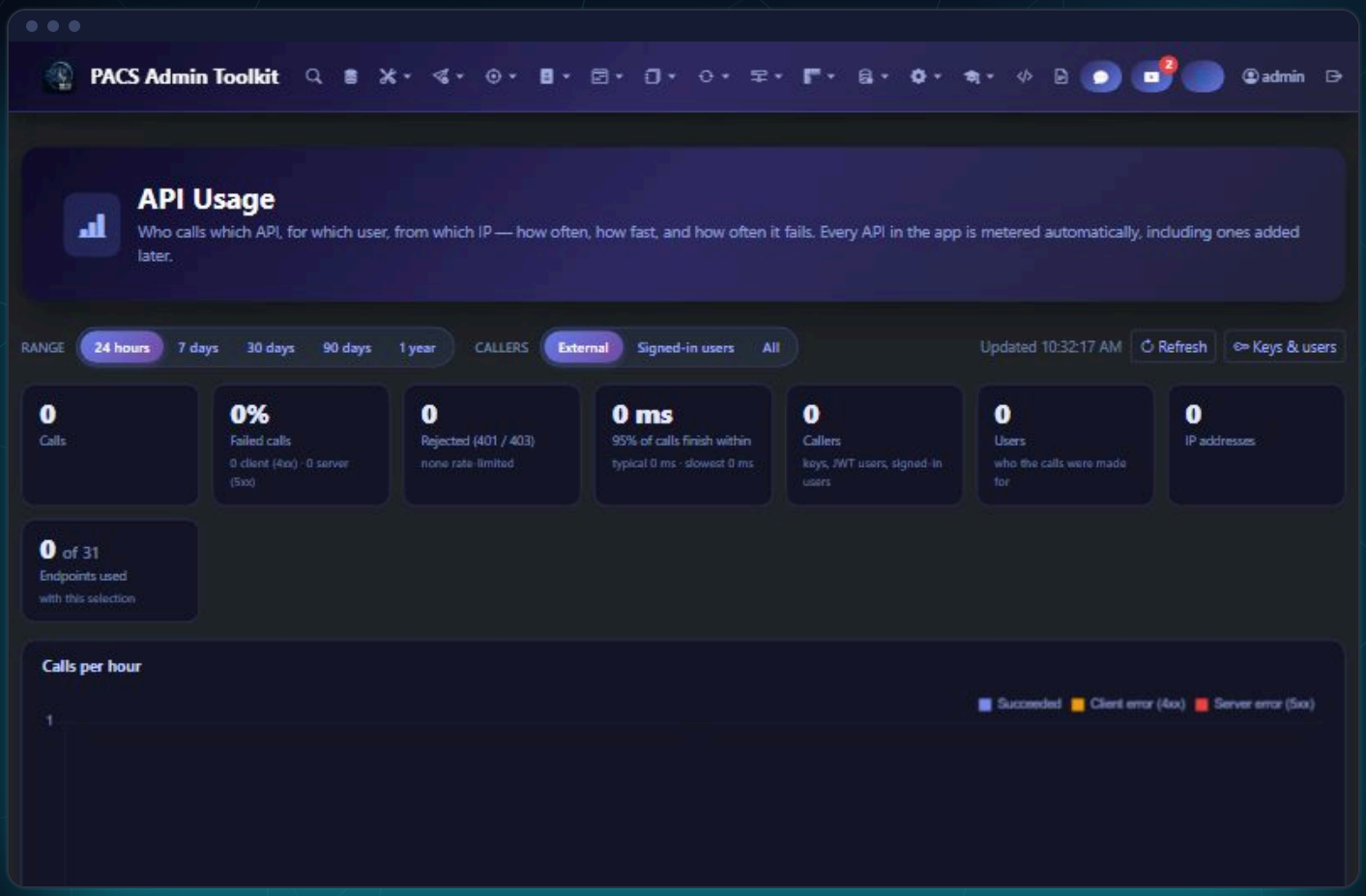
Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Platform & Integration | Leads with Trust

External API

Keys for every system that calls PATK, and a clear view of what each one actually does.



Application API keys and JWT API users let RIS, EHR, portals and scripts call PATK with their own credentials, roles and facility scope. API Usage meters every call by caller, user, endpoint and IP, and keeps the reason for every failure.

Every API
metered automatically, including ones added later

Shown once
each key's secret; only a hash is stored

30 days
of failure reasons kept for every failed call

Replaces: **API gateway or custom integration logging**

License module `API`

THE CHALLENGE

Why it matters

Every integration starts with a shared password in an email and ends with nobody sure which systems still use it. When an EHR launch or a portal call starts failing, the PACS team hears about it from users, then spends hours working out which caller, which endpoint and which error.

Most imaging tools leave API access to a single shared account and their logs to a text file. There is no way to say how much each system calls, from where, or for whom, and no way to limit an affiliate's system to its own data.

> IN SHORT
>
> Application API keys and JWT API users let RIS, EHR, portals and scripts call PATK with their own credentials, roles and facility scope. API Usage meters every call by caller, user, endpoint and IP, and keeps the reason for every failure.

CAPABILITIES

What it does

- **Application API keys**
  Each calling system gets its own key, sent in the X-Api-Key header; the secret is shown once and only a hash is stored.
- **JWT API users**
  Systems that prefer a login exchange a username and password for a bearer token valid for 8 hours.
- **Roles and scope per caller**
  Each key or JWT user carries its own roles, and can be limited to chosen facilities or sites wherever Access Topology is enforced.
- **Full key lifecycle**
  Optional expiry dates, disable, rotate (the old secret stops at once) and revoke, with the record kept for history.
- **Usage, metered automatically**
  Every API in the app is counted by caller, the user the call was made for, endpoint and IP, including APIs added in later versions.
- **Answers, not just counts**
  Tiles show calls, failed share, rejected calls, the 95th-percentile response time, callers, users and IPs; charts show calls over time and the busiest hours.
- **Why a call failed**
  Each failed call keeps a short reason for 30 days: the server exception, the key or token rejection, or the error text the API answered; values that look like secrets are masked.
- **"Worth a look" signals**
  The usage page points out patterns that need attention, and one click filters the whole page to an endpoint, caller, user or IP.
- **A reference for integrators**
  API Details documents sign-in and the available endpoints and can be saved as a PDF.

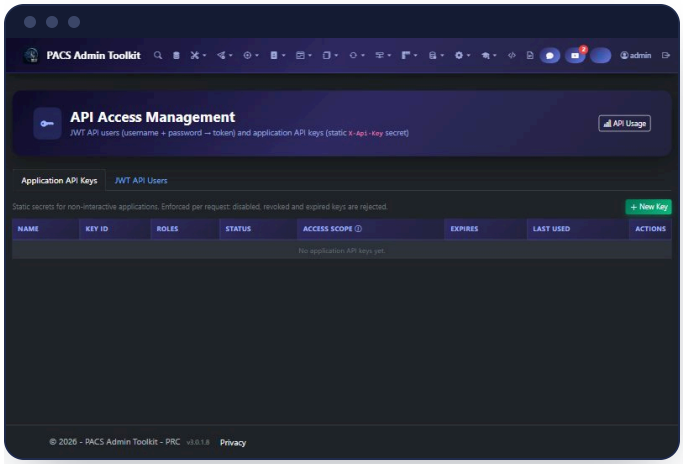
WORKFLOW

How it works

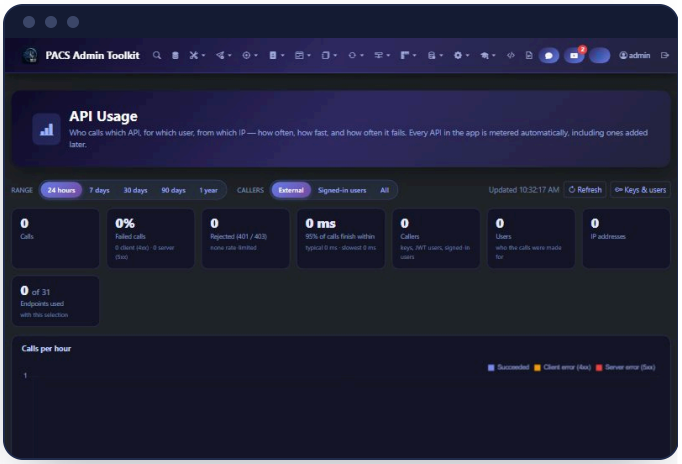
1. **Issue credentials**
   Create a key or JWT user for the calling system, with roles, expiry and scope.
2. **System calls**
   The RIS, EHR or portal sends its key or token with each request.
3. **Checked and scoped**
   PATK checks the credential and its roles, and limits records to its scope.
4. **Metered**
   Counts are written every 30 seconds and kept as hourly totals; failures keep their reason.
5. **Reviewed**
   API Usage shows who calls what, how fast and how often it fails.

IN THE PRODUCT

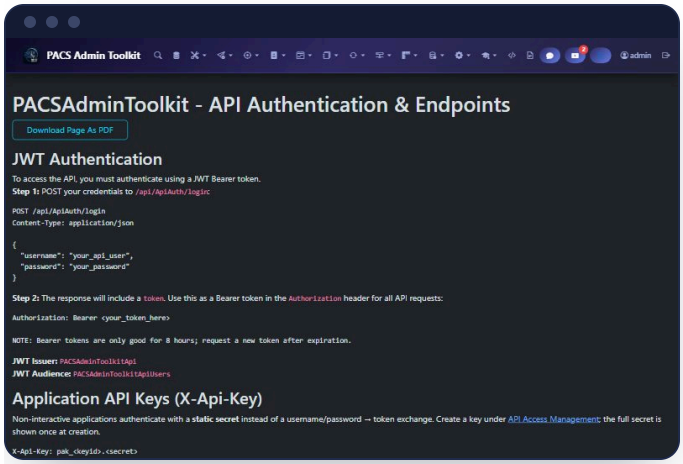
See it in action



API User Management: keys and JWT users with roles, expiry and scope



API Usage: calls, failures, response times and callers at a glance



API Details, the reference to hand to an integrator

USE CASES

Where it pays off

EHR context launch of prior studies

CHALLENGE	Clinicians open priors from the EHR, and the integration team needs its own credential that can be rotated without breaking other systems.
WITH PATK	The EHR gets an application key with the priors role (the launch itself needs the Priors Fetch toolset); API Usage shows its launches per day and any failures.
OUTCOME	**One credential per system, rotated on a schedule, with launch volume and errors visible instead of reported by users.**

Affiliate imaging centre portal

CHALLENGE	An affiliated imaging centre's portal calls PATK, but must only ever reach that centre's data.
WITH PATK	Its key gets scope rows for the centre's facility; wherever access is enforced, the key sees only those records.
OUTCOME	**The affiliate integrates directly, with no risk of reaching another facility's patients and an audit of everything it called.**

One metered entry point for a multi-site radiology group

CHALLENGE	A multi-site radiology group has several systems that need imaging functions, and didn't want each one wired separately to the PACS with its own credentials and no shared view of traffic.
WITH PATK	The group uses PATK's External API as a passthrough: each system calls PATK with its own key, and PATK handles the imaging side.
OUTCOME	**Every system's traffic shows up on one usage page, by caller and endpoint, and access can be changed or revoked per system without touching the others.**

"The integration stopped working"

CHALLENGE	A vendor reports intermittent failures after an upgrade on their side, and nobody can tell which calls fail.
WITH PATK	API Usage filtered to the vendor's caller shows the failed calls grouped by status and reason, the endpoint and the IP they came from.
OUTCOME	**The cause (an expired key, a validation error, a wrong endpoint) is clear in minutes and the conversation with the vendor starts with evidence.**

3T

Trust · Truth · Transform

Trust

Secrets are shown once and stored as hashes, each caller has its own roles and facility scope, rotation stops the old secret immediately, and API calls are audited.

Truth

See every caller, user, endpoint and IP, the failure rate and response times, and the exact reason each call failed over the last 30 days.

Transform

Integrations are issued, rotated and diagnosed from one page, instead of shared passwords, log-file searches and calls with the vendor.

VALUE MODEL

What it can be worth

An example department with four systems calling PATK (EHR, RIS, portal and scripts).

Systems calling PATK APIs	4
Integration incidents per year, hours saved on each with failure reasons by caller	24 x 2 hours (48)
Key onboarding and rotation tasks per year, hours saved on each	8 x 2 hours (16)
Monthly usage reports for governance or billing, hours saved on each	12 x 3 hours (36)
Blended integration and PACS administrator cost per hour	$65
Separate API metering or gateway subscription avoided per year	$10,000

$16,500

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

- **Metering is built in**
  Every endpoint is counted without configuration, where an add-on gateway or custom logging has to be set up per API.
- **Failures explained**
  The reason is kept with each failed call, so diagnosis does not depend on searching server log files.
- **Scoped to facilities**
  Keys follow the same facility and site model as people when Access Topology is licensed, rather than all-or-nothing access.
- **Part of the same platform**
  Keys, usage, audit and the APIs themselves live in one product with one support contract.

SPECIFICATIONS

At a glance

Credentials	Application API keys (X-Api-Key), JWT API users (bearer token, 8 hours)
Controls	Roles per caller, facility / site scope, expiry, disable, rotate, revoke
Usage	Calls, failed and rejected calls, 95th-percentile response time, callers, users, IPs, endpoints
Detail	Calls over time, busiest hours, endpoint / caller / user / IP tabs, recent errors with reasons (30 days)
Documentation	API Details reference, saveable as PDF
Licensing	API calls usage meter

See External API 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

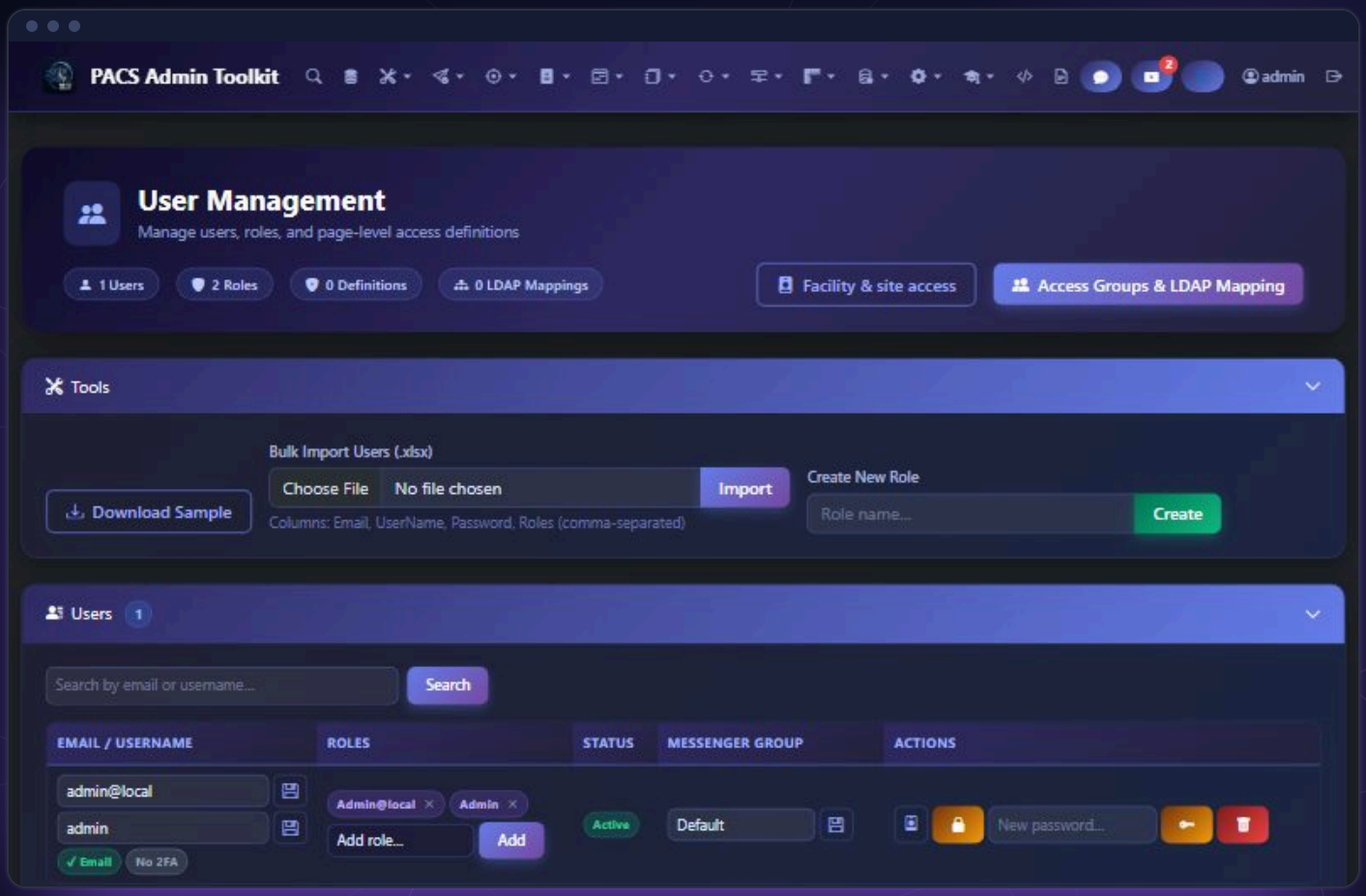
Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.

Platform & Integration | ✦ Leads with Transform

Messenger

Real-time chat, presence and study links for everyone who works in PATK.



Built-in instant messaging with live presence, so technologists, PACS administrators and IT reach each other without phone tag. A study link opens the exact study being discussed.

0
chat servers or clients to install

4
presence states: online, away, do not disturb, offline

1 click
from a message to the study it is about

Replaces: **Separate chat tool, phone calls and pagers**

License module `MESSENGER`

THE CHALLENGE

Why it matters

A technologist has a study that didn't route, a wrong patient name or a modality that can't find its worklist. The PACS administrator is somewhere else in the building. What follows is a phone call that goes to voicemail, a page, a call back, and then reading an accession number aloud, letter by letter.

General-purpose chat tools help, but they sit outside the imaging workflow: nobody knows who is at which workstation, and pasting a patient name into a consumer chat app is not something the privacy office wants to see.

> **IN SHORT**
>
> Built-in instant messaging with live presence, so technologists, PACS administrators and IT reach each other without phone tag. A study link opens the exact study being discussed.

CAPABILITIES

What it does

- **Live presence**
  Everyone appears as online, away, do not disturb or offline; people go to away after 10 minutes idle, and do not disturb stays until they change it.
- **Know who is where**
  Each person can show a label such as their workstation or room, and the roster is grouped by team (Messenger groups set by an administrator).
- **One-to-one chat in the app**
  Chat windows float over whatever page you are on, can be moved and resized, and up to four stay open at once.
- **Nothing missed**
  Messages are kept, so people who were offline find them on return; unread counts show on the top-bar button and per person, with the recent history in each window.
- **Study links**
  Insert one of your recently opened studies as a link; the recipient clicks it and the study opens in the Local Database Browser.
- **Show, don't describe**
  Paste a screenshot straight into a message; images are resized before sending and open full size with one click.
- **Make urgent things stand out**
  Bold, italic, underline, colour, font and size, plus a one-click red bold style for urgent notes.
- **Respects facility privacy**
  With Access Topology enforced for Messenger, people see and can message only colleagues who share a facility with them (plus Global staff), and study links only list studies the sender can see.

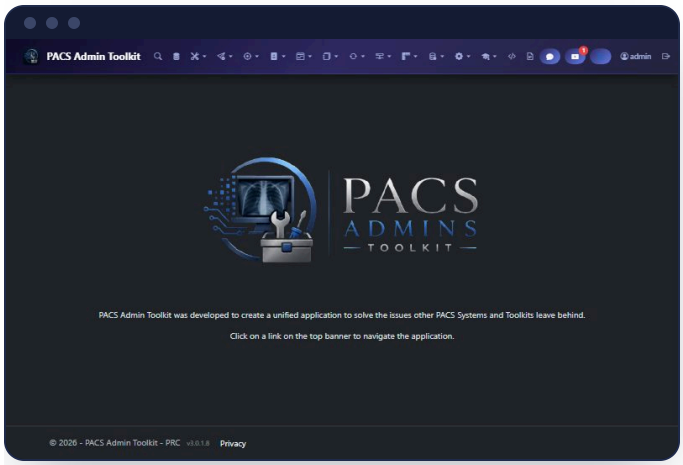
WORKFLOW

How it works

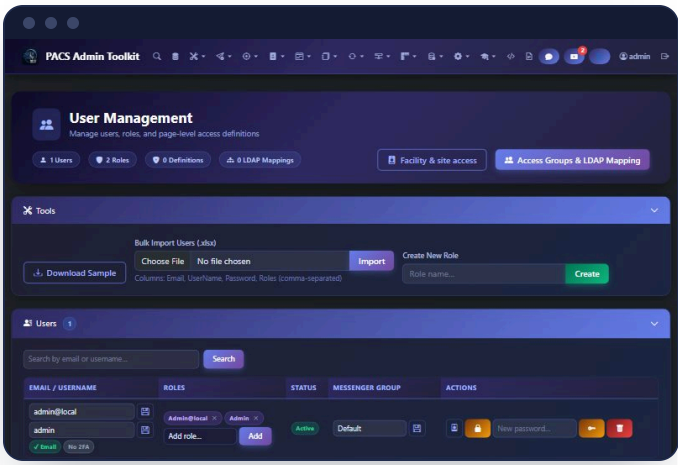
1. **Sign in**
   Messenger connects in the background on every page of PATK.
2. **Presence shared**
   Status and workstation label update live for the people who can see you.
3. **Message sent**
   The message is stored and delivered at once, or waits for the recipient to return.
4. **Study linked**
   A recent study goes in as a link that opens the study itself.

IN THE PRODUCT

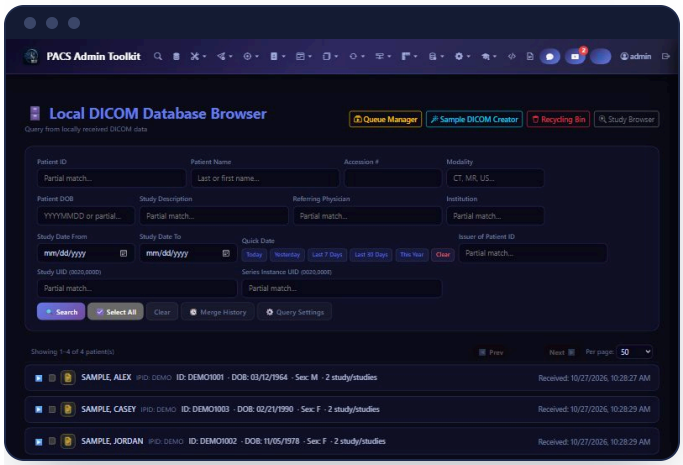
See it in action



The Messenger button sits in the top bar of every page, with an unread count



Administrators place people in Messenger groups on User Management



Studies opened in the Local Database Browser can be sent as links in a chat

USE CASES

Where it pays off

Technologist to PACS administrator

CHALLENGE	A CT technologist sees that a study did not reach the PACS and can't leave the scanner to find anyone.
WITH PATK	They see the PACS administrator is online, send the study as a link with a screenshot of the error, and keep scanning.
OUTCOME	**The administrator opens the exact study from the message and starts on it, with no phone tag and no accession read aloud.**

Night shift across several sites

CHALLENGE	One PACS administrator covers three sites overnight; staff don't know whether to call, page or wait.
WITH PATK	Workstation labels and presence show who is on and where; do not disturb is visible while the administrator is on a long task.
OUTCOME	**Requests arrive in one place, in writing, and wait safely until they can be handled.**

A shared PACS for several hospitals

CHALLENGE	Two hospitals share one PATK installation, and staff of one hospital must not browse the other's staff or patients.
WITH PATK	With Messenger enforced under Access Topology, each hospital's staff see their own colleagues and the central Global team only.
OUTCOME	**Everyday chat with the central PACS team, with each facility's privacy kept.**

3T

Trust · Truth · Transform

Trust

Messages stay inside your own installation and database, behind the same sign-in, and follow facility boundaries when Access Topology is enforced.

Truth

Live presence and workstation labels show who is available and where, and a study link points at the exact study, not a description of it.

Transform

Phone tag, pages and spelled-out accession numbers become a quick written message with a link the recipient can act on.

VALUE MODEL

What it can be worth

An example imaging department with 60 people using PATK across technologists, PACS administrators and IT.

People using Messenger	60
Messages per day that replace a phone call, page or walk	40
Time saved per message compared with phone tag	3 minutes
Working days per year	250
Staff hours saved per year	500
Blended staff cost per hour	$45

$22,500

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

Inside the workflow
Chat lives in the same tool where studies, routes and worklists are fixed, rather than in a separate chat application.

Study-aware
Links open the study itself, which general chat tools can't do.

Nothing extra to run
No chat server, client install or separate accounts; people use their existing PATK sign-in.

Privacy by facility
Follows the same facility and site model as the rest of PATK when Access Topology is licensed.

SPECIFICATIONS

At a glance

Messaging	One-to-one chat, stored messages, unread counts, recent history per conversation
Presence	Online, away (10 minutes idle), do not disturb, offline; workstation label; roster groups
Content	Formatted text, pasted images (resized, full-size view), links to recently opened studies
Interface	Floating, movable and resizable windows, up to four at once, on every page
Scoping	Facility-based roster and study links when Access Topology enforces Messenger
Delivery	Real-time push inside the PATK web application; no separate client

See Messenger 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

---

Not a medical device. PACS Admin Toolkit is not FDA-cleared or CE-marked and is not intended for primary diagnosis. It manages imaging and reporting data and workflows around the clinical systems that do.

Other product and company names may be trademarks of their respective owners. Screenshots show sample data. Value models are illustrative estimates, not guarantees. © 2026 3T Consults and Coaching.