

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.

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