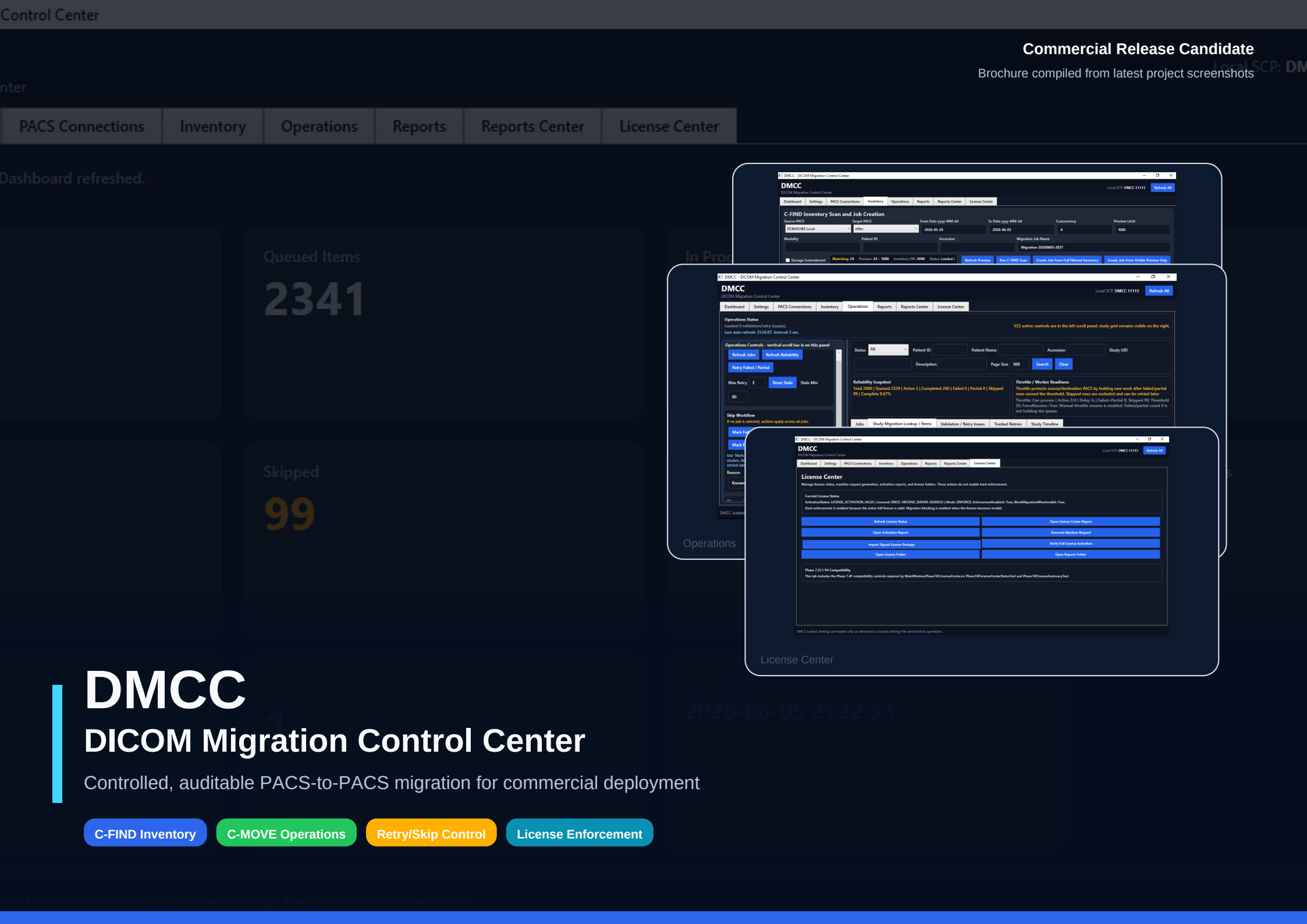




- PACS Connections
- Inventory
- Operations
- Reports
- Reports Center
- License Center

Dashboard refreshed.

Queued Items

2341

Skipped

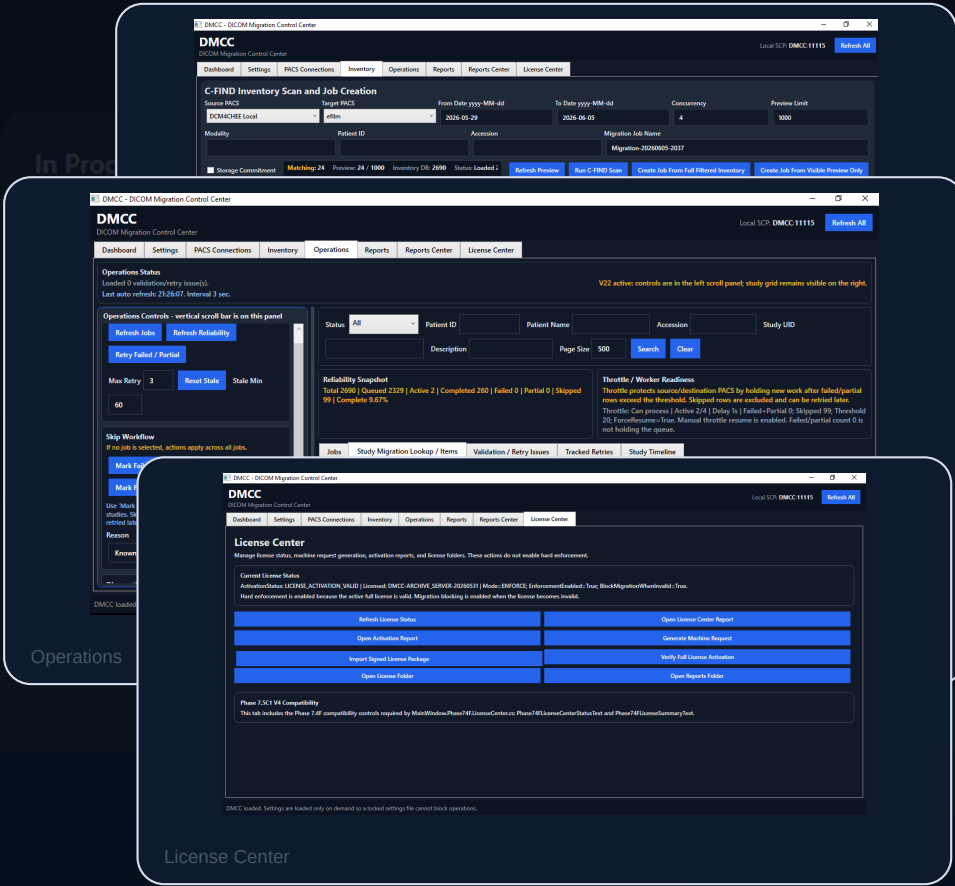
99

DMCC

DICOM Migration Control Center

Controlled, auditable PACS-to-PACS migration for commercial deployment

- C-FIND Inventory
- C-MOVE Operations
- Retry/Skip Control
- License Enforcement



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Product Overview

A focused migration console for experienced PACS and DICOM migration teams.

Positioning

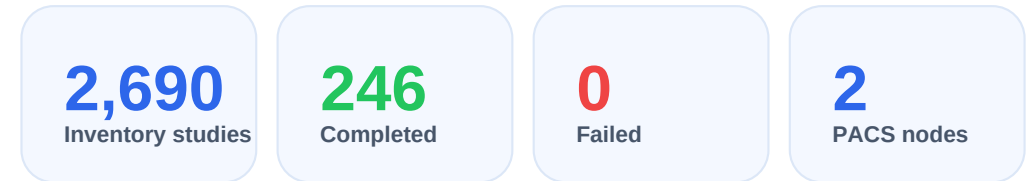
DMCC is a lightweight Windows application for semi-automated DICOM image migration. It helps users query a source PACS, create controlled migration jobs, monitor transfer progress, recover failed or partial work, and produce handover evidence.

- For PACS replacement, archive consolidation, pilot migration, and controlled historical migration.
- Uses familiar DICOM concepts: Application Entity Title, host, port, C-FIND inventory, C-MOVE request, and local C-STORE SCP receiving.
- Designed for operational transparency: dashboard counters, paged job grids, retry tracking, skip workflow, and evidence bundle output.
- Commercial readiness path includes trial/full license activation and hard enforcement when the active full license is valid.

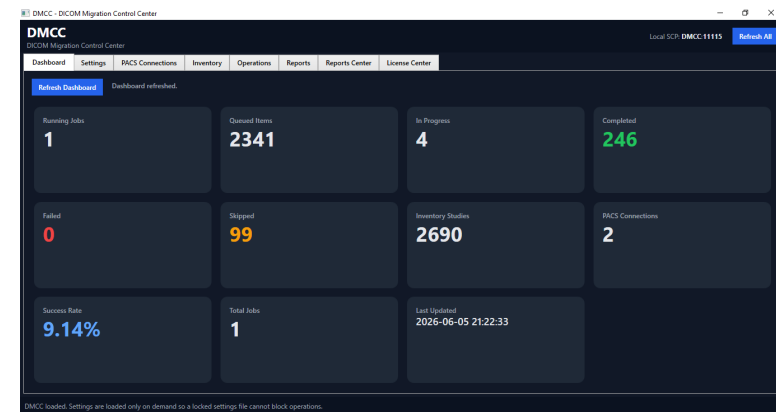
Workflow at a glance



Latest captured status



The screenshots show a live pilot run with one running job, four studies in progress, 2,341 queued items, 99 skipped items, and no failed items at capture time. The low success percentage in the dashboard is expected while most items are still queued.



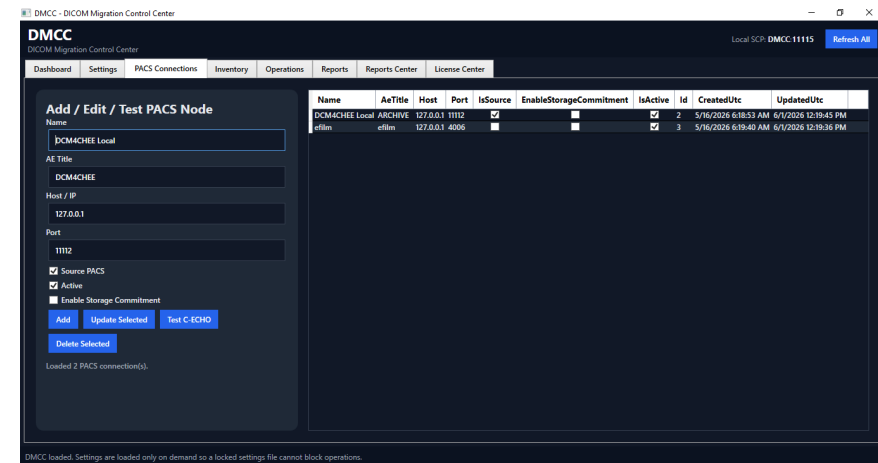
Dashboard: live migration counters and pilot progress.

PACS Connectivity & Runtime Configuration

Set up the migration route before work begins.

PACS node setup

- Add, edit, test, activate, or delete PACS nodes from a single tab.
- Clear fields for AE Title, Host/IP, Port, Source PACS, Active state, and Storage Commitment.
- C-ECHO test supports fast validation before inventory or migration starts.



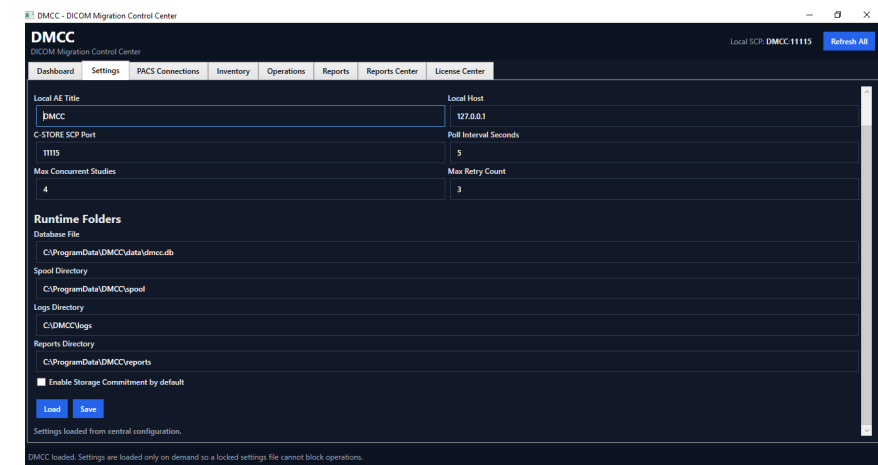
PACS Connections: source and target PACS node management.

Runtime folders

Centralized database, spool, logs, and reports folders simplify troubleshooting and commercial support handover.

Why this matters

A migration is only as reliable as its source and destination configuration. Simple node records reduce setup mistakes and make pilot re-runs repeatable.



Settings: local AE title, SCP port, concurrency, retry, and runtime folders.

C-FIND Inventory Scan & Job Creation

Build migration batches from the actual source PACS inventory.

- Source and target PACS selectors keep job creation tied to the configured route.
- Search controls include date range, modality, Patient ID, accession, and migration job name.
- Preview limit protects memory for large historical migrations.
- Full filtered inventory option supports long migrations beyond preview rows.
- Inventory preview shows Study Instance UID, Patient ID, Patient Name, Study Date, Modality, Study Description, and source connection.
- Visible preview jobs are useful for small pilots; full-filtered jobs are preferred for production-scale runs.
- Storage Commitment option can be enabled where the PACS workflow requires it.

The screenshot displays the DMCC - DICOM Migration Control Center interface. The top navigation bar includes links for Dashboard, Settings, PACS Connections, Inventory, Operations, Reports, Reports Center, and License Center. The main section is titled "C-FIND Inventory Scan and Job Creation". It features several input fields for configuration: Source PACS (DCM4CHEE Local), Target PACS (efilm), From Date (2026-05-29), To Date (2026-06-05), Concurrency (4), and Preview Limit (1000). Below these are fields for Modality, Patient ID, Accession, and Migration Job Name (Migration-20260605-2037). A "Storage Commitment" checkbox is present. A status bar shows "Matching: 24", "Preview: 24 / 1000", "Inventory DB: 2690", and "Status: Loaded". Action buttons include "Refresh Preview", "Run C-FIND Scan", "Create Job From Full Filtered Inventory", and "Create Job From Visible Preview Only". A warning message states: "For long historical migrations, use Full Filtered Inventory. The table below is only a preview and is intentionally limited to protect memory." Below this is an "Inventory Preview Table" with columns: StudyInstanceUid, PatientId, PatientName, StudyDate, Modality, StudyDescription, SourcePacsConnection, Id, and CreatedUtc. The table contains 10 rows of data. At the bottom, a note reads: "DMCC loaded. Settings are loaded only on demand so a locked settings file cannot block operations."

StudyInstanceUid	PatientId	PatientName	StudyDate	Modality	StudyDescription	SourcePacsConnection	Id	CreatedUtc
1.3.12.2.1107.5.1.7.120910.3000002606010931234	190733	SUJIONO	6/3/2026 12:00:00 AM	CT	00 Head Plain(Adult)	2	2688	6/4/2026 10:59:16 A
1.3.12.2.1107.5.1.7.120910.3000002605201217361	RSPH	SUPARTO	5/30/2026 12:00:00 AM	CT	00 Head Plain(Adult)	2	2618	6/4/2026 10:59:16 A
1.3.12.2.1107.5.1.7.120910.3000002605201217361	RSPH	SUPARTO	5/30/2026 12:00:00 AM	CT	00 Head Plain(Adult)	2	2617	6/4/2026 10:59:16 A
1.3.12.2.1107.5.1.7.120910.3000002605201217361	RSPH	SUPARTO	5/30/2026 12:00:00 AM	CT	00 Head Plain(Adult)	2	2615	6/4/2026 10:59:16 A
1.3.12.2.1107.5.1.7.120910.3000002605201217361	097126	ZULVIA	5/30/2026 12:00:00 AM	CT	00 Head Plain(Adult)	2	2616	6/4/2026 10:59:16 A
1.3.12.2.1107.5.1.7.120910.3000002605201217361	191842	ROSNAH	5/31/2026 12:00:00 AM	CT	00 Head Plain(Adult)	2	2619	6/4/2026 10:59:16 A
1.3.12.2.1107.5.1.7.120910.3000002605201217361	191823	BAMBANG PRANTIWO	5/31/2026 12:00:00 AM	CT	Foot [factory](Adult)	2	2675	6/4/2026 10:59:16 A
1.3.12.2.1107.5.1.7.120910.3000002605201217361	117424	ELMINA	5/31/2026 12:00:00 AM	CT	00 Head Plain(Adult)	2	2673	6/4/2026 10:59:16 A
1.3.12.2.1107.5.1.7.120910.3000002605201217361	101254	MASNUR MANULLANG	6/1/2026 12:00:00 AM	CT	00 Head Plain(Adult)	2	2674	6/4/2026 10:59:16 A
1.3.12.2.1107.5.1.7.120910.3000002606010931234	RSPH	SUPARTO	6/2/2026 12:00:00 AM	CT	00 Head Plain(Adult)	2	2685	6/4/2026 10:59:16 A

Inventory: C-FIND scan, matching count, preview table, and job creation buttons.

Live Operations Control

Keep migration work visible, recoverable, and auditable.

The Operations tab brings daily migration controls into one live screen:

Live auto-refresh

Retry failed/partial

Skip with reason

Throttle readiness

Paged study grid

The screenshot displays the DMCC (DICOM Migration Control Center) interface, specifically the Operations tab. The interface is divided into several sections:

- Operations Status:** Shows "Loaded 0 validation/retry issue(s)." and "Last auto refresh: 21:26:07. Interval 3 sec." A yellow message states: "V22 active: controls are in the left scroll panel; study grid remains visible on the right."
- Operations Controls - vertical scroll bar is on this panel:** Includes buttons for "Refresh Jobs", "Refresh Reliability", "Retry Failed / Partial", "Max Retry" (set to 3), "Reset Stale", "Stale Min" (set to 60), and "Skip Workflow".
- Skip Workflow:** Includes buttons for "Mark Failed as Skipped", "Mark Failed/Partial as Skipped", and "Retry Skipped". A text box for "Reason" contains "Known destination-side error; skipped for this pilot."
- Reliability Snapshot:** Shows "Total 2690 | Queued 2329 | Active 2 | Completed 260 | Failed 0 | Partial 0 | Skipped 99 | Complete 9.67%".
- Throttle / Worker Readiness:** Includes a text box stating: "Throttle protects source/destination PACS by holding new work after failed/partial rows exceed the threshold. Skipped rows are excluded and can be retried later. Throttle: Can process | Active 2/4 | Delay 1s | Failed+Partial 0; Skipped 99; Threshold 20; ForceResume=True. Manual throttle resume is enabled. Failed/partial count 0 is not holding the queue."
- Study Migration Lookup / Items:** A table with columns: Id, Status, Patient, PatientName, StudyDescription, StudyInstanceUid, AccessionNumber, StudyDate. The table shows 6 items.

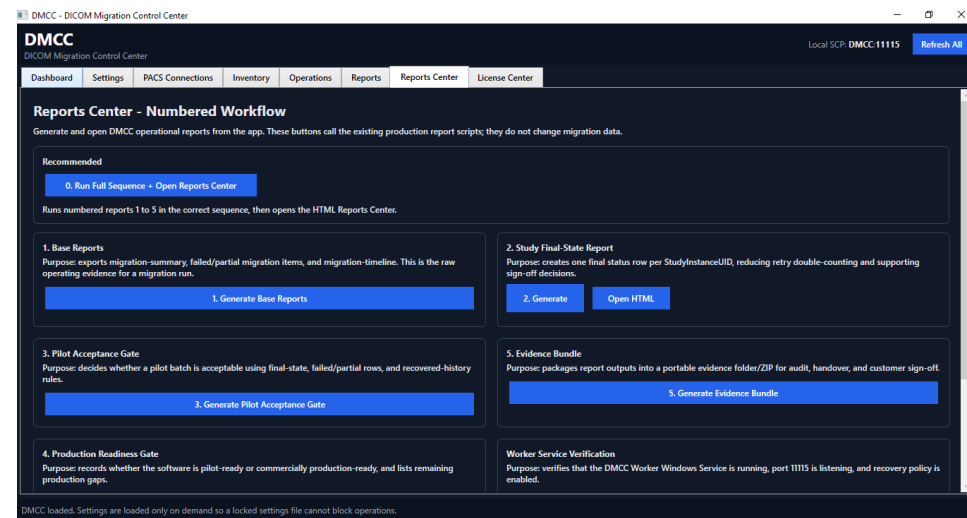
DMCC loaded. Settings are loaded only on demand so a locked settings file cannot block operations.

Operations: left control panel, reliability snapshot, throttle readiness, job tables, and study lookup.

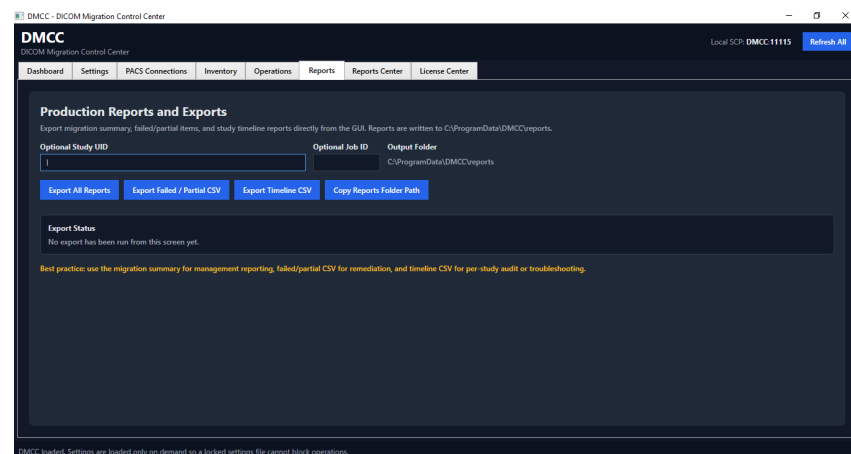
Reports, Gates & Handover Evidence

Turn migration activity into records that can be reviewed and signed off.

- Reports tab exports migration summaries, failed/partial CSV files, and study timeline CSV files.
- Reports Center uses a numbered workflow so operators run reports in the intended sequence.
- Pilot Acceptance Gate supports go/no-go review using final-state, failed/partial, and recovered-history rules.
- Evidence Bundle packages report outputs into a portable folder or ZIP for audit, handover, and customer sign-off.



Reports Center: numbered workflow from base reports to evidence bundle.



Reports: export summary, failed/partial CSV, timeline CSV, and output folder path.

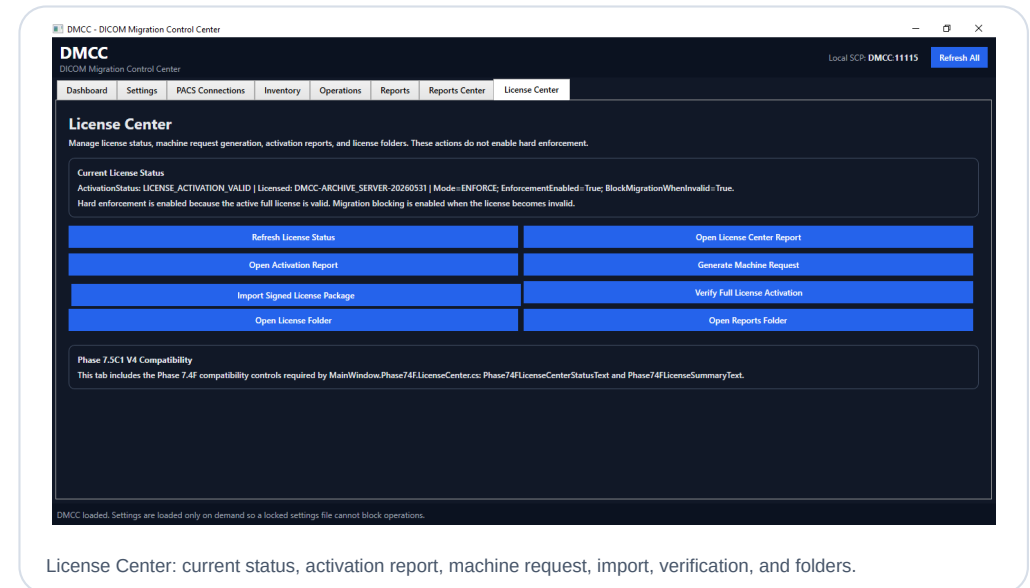
Business benefit

The reporting layer reduces the hidden work after migration. Instead of manually collecting screenshots and ad-hoc logs, the operator can produce structured evidence from inside DMCC.

License Center & Commercial Activation

Manage trial/full activation and provide customer-facing license evidence.

- Current license status is visible in-app, including activation state, license identifier, mode, enforcement setting, and blocking rule.
- Machine request generation supports vendor-side license signing workflows.
- Signed license package import allows controlled activation on the customer machine.
- Activation and License Center reports help support teams verify what was installed and activated.
- Hard enforcement is active when the full license is valid; migration blocking is enabled when the license becomes invalid.



Activation workflow

1. Generate the customer machine request. 2. Vendor signs the full or trial license package. 3. Import the signed package on the customer machine. 4. Verify full activation and open the activation reports. This keeps licensing visible and supportable from the app.

Commercial release implication

License Center is now a customer-facing part of the application, not only a developer script. This supports downloadable trial/full packaging and controlled conversion from pilot use to paid use.

Deployment Profile

Designed for practical field deployment on a dedicated workstation or VM.

Recommended platform

Windows 10/11 or Windows Server 2019/2022, dedicated workstation or virtual machine, stable network path to source and destination PACS.

Runtime package

Commercial build target is self-contained, so the customer should not need to separately install the .NET desktop runtime.

Operational storage

Plan sufficient disk for local database, spool, logs, exported reports, and evidence bundles. Use dedicated storage for long historical migrations.

Current project assessment

- GUI feature set is broad and coherent: Dashboard, Settings, PACS Connections, Inventory, Operations, Reports, Reports Center, and License Center are present in the latest build.
- Pilot migration is active: screenshots show inventory loaded, migration job running, completed rows increasing, and no failed rows at capture time.
- Commercial license workflow is visible in-app and the active full license is valid in the captured screenshot.
- Remaining commercial-release work should focus on final package polish: installer/standalone delivery, trial/full activation scripts, support runbooks, acceptance evidence, and customer documentation.

Ready for controlled pilots

DMCC is positioned for pilot-to-commercial packaging: run a controlled migration, generate reports and evidence, verify license status, then hand over a signed acceptance bundle.

Suggested next commercial artifacts

- One-click installer or standalone ZIP
- Trial license and full license activation guide
- Customer quick-start guide and acceptance checklist
- Signed evidence bundle template

Contact globalcare_sales@consultant.com