



RELEASE NOTES

Release Notes

Full release history, versions 1.0 to 4.0

G4-RN-ALL | Revision Q | 17 September 2026

Public

Document ID	G4-RN-ALL
Revision	Q
Date	17 September 2026
Product	G4PACS: Archive & VNA, Diagnostic Workstation, HTML5 Web Viewer, Teleradiology & AI
Current release	4.0, 17 September 2026
Support policy	Current and previous minor version: full support. Older: extended support for 12 months after the next release, then end of support.
Classification	Public
Owner	G4 Medical Systems, Inc., Product Engineering

This is revision Q of G4-RN-ALL. The complete revision history since first issue is on the next page.

Document control

Revision history, most recent first. Each revision supersedes all earlier revisions of this document.

Rev.	Date	Description	Author
Q	17 September 2026	Release 4.0 added.	Product Engineering
P	3 March 2025	Release 3.8 added.	Product Engineering
O	9 October 2023	Release 3.7 added.	Product Engineering
N	12 September 2022	Release 3.6 added.	Product Engineering
M	18 October 2021	Release 3.5 added.	Product Engineering
L	23 November 2020	Release 3.4 added.	Product Engineering
K	22 June 2020	Release 3.3 added.	Product Engineering
J	16 September 2019	Release 3.2 added.	Product Engineering
I	8 October 2018	Release 3.1 added.	Product Engineering
H	13 November 2017	Release 3.0 added.	Product Engineering
G	26 September 2016	Release 2.3 added.	Product Engineering
F	12 October 2015	Release 2.2 added.	Product Engineering
E	5 May 2014	Release 2.1 added.	Product Engineering
D	17 June 2013	Release 2.0 added.	Product Engineering
C	10 September 2012	Release 1.2 added.	Product Engineering
B	21 November 2011	Release 1.1 added.	Product Engineering
A	14 March 2011	First issue with release 1.0.	Product Engineering

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Release overview

All releases of G4PACS since the first version, newest first, with their support status at the date of this document. Detailed notes for each release follow.

Version	Released	Support status	Headline
4.0	17 September 2026	Current	Hybrid archive tier, FHIR integration, AI-prioritised worklist
3.8	3 March 2025	Supported	Kubernetes deployment, DICOMweb STOW-RS, Windows 11 and Ubuntu 24.04 baseline
3.7	9 October 2023	Extended support	GPU volume rendering, tablet companion viewer, audit export
3.6	12 September 2022	End of support	Rigid registration, measurement SR export, association policies
3.5	18 October 2021	End of support	TLS 1.3, OpenID Connect, configurable transfer syntaxes
3.4	23 November 2020	End of support	Windows 10 baseline, 10-bit display pipeline, ATNA audit
3.3	22 June 2020	End of support	Remote reading improvements during the pandemic response
3.2	16 September 2019	End of support	Whole-slide microscopy, video, Linux workstation
3.1	8 October 2018	End of support	Breast tomosynthesis, enhanced US volume, MPEG2
3.0	13 November 2017	End of support	Cloud archive tier, DICOM TLS, SAML single sign-on
2.3	26 September 2016	End of support	PET/CT fusion, SUV, radiotherapy and ophthalmology objects
2.2	12 October 2015	End of support	DICOMweb, context launch from the RIS
2.1	5 May 2014	End of support	Structured reports, key images, presentation states
2.0	17 June 2013	End of support	MPR and MIP, enhanced multi-frame objects, GPU rendering
1.2	10 September 2012	End of support	JPEG 2000 and JPEG-LS, dual displays, calibration check
1.1	21 November 2011	End of support	Modality Worklist, hanging protocols per modality
1.0	14 March 2011	End of support	First release

Version 4.0

Released	Support status	Headline
17 September 2026	Current	Hybrid archive tier, FHIR integration, AI-prioritised worklist

New

- Hybrid deployment: NVMe tier 1 on-premise with S3-compatible tier 2 in the cloud region chosen by the hospital; replication verified by checksum
- HL7 FHIR R4: ImagingStudy, Patient, DiagnosticReport and ServiceRequest resources; FHIR Task for AI priorities
- AI-prioritised worklist: results from AI services (DICOM SR, SEG, GSPS) shown as overlays and used for ordering
- Single sign-on with SAML 2.0 and OpenID Connect across archive, workstation and web viewer
- Customer portal: licence key, subscription and invoices

Improved

- HTML5 Web Viewer: first image 40% faster on tablets; progressive JPEG 2000 decoding via WADO-RS
- Workstation: 2 000-slice CT opens in 1.6 s from cache (3.8: 2.4 s)
- Audit trail export in PS3.15 XML and JSON; retention of audit records configurable per site

Fixed

- Hanging protocol rules ignored laterality for mammography priors acquired on a different vendor's unit
- C-MOVE to an AE with an IPv6-only address failed to open the association

Upgrade notes

Archive tier 1 requires NVMe storage; migration from 3.8 runs in place with no downtime. Workstations on Windows 10 must be upgraded to Windows 11 before installing 4.0.

Version 3.8

Released	Support status	Headline
3 March 2025	Supported	Kubernetes deployment, DICOMweb STOW-RS, Windows 11 and Ubuntu 24.04 baseline

New

- Archive services packaged for Kubernetes with Helm charts; horizontal scaling of DICOMweb and viewer services
- STOW-RS on the archive and the workstation; key images and SR can be stored to DICOMweb-only archives
- Ubuntu 24.04 LTS and Windows 11 23H2 as workstation baseline

Improved

- Object storage replication now resumes after interruption without re-sending completed objects
- Mammography hanging protocols: tomosynthesis slab presets per site

Fixed

- Web viewer measurement labels overlapped at high zoom on 4 K displays
- HL7 ORU with repeating OBX segments was truncated at 64 KB

Upgrade notes

Windows 10 workstations remain supported on 3.8 until 3.8 end of support.

Version 3.7

Released	Support status	Headline
9 October 2023	Extended support	GPU volume rendering, tablet companion viewer, audit export

New

- Volume rendering on the workstation GPU with transfer function presets and clipping
- Tablet companion for the web viewer with touch gestures and pen annotations
- Audit export for HIPAA and GDPR reviews

Improved

- Draft and retired SOP Classes accepted for migration of legacy archives
- Character set handling: ISO_IR 192 matching in queries

Fixed

- Series with mixed photometric interpretations rendered with an inverted LUT
- Prefetch rules with more than 20 conditions were evaluated in the wrong order

Upgrade notes

Requires archive index migration (about 10 minutes per million studies), performed automatically on first start.

Version 3.6

Released	Support status	Headline
12 September 2022	End of support	Rigid registration, measurement SR export, association policies

New

- Rigid registration between series from different studies; registered display and fusion
- Measurements exported as Comprehensive SR (TID 1500)
- Configurable PDU size, association limits and asynchronous operation windows

Improved

- Web viewer: cine at 120 frames/s on desktop browsers
- Object storage: multi-part upload for objects above 100 MB

Fixed

- SUV with lean body mass used the wrong height unit for imperial patient records

Upgrade notes

None.

Version 3.5

Released	Support status	Headline
18 October 2021	End of support	TLS 1.3, OpenID Connect, configurable transfer syntaxes

New

- TLS 1.3 on all interfaces; DICOM TLS with mutual authentication
- OpenID Connect single sign-on
- Accepted transfer syntaxes configurable per category on the archive

Improved

- Negotiation prefers Implicit VR Little Endian for maximum modality compatibility

Fixed

- Deflated Explicit VR Little Endian objects from one vendor's CR failed validation

Upgrade notes

Certificates issued with SHA-1 are no longer accepted.

Version 3.4

Released	Support status	Headline
23 November 2020	End of support	Windows 10 baseline, 10-bit display pipeline, ATNA audit

New

- 10-bit greyscale pipeline end to end; DDC/CI calibration state read from displays
- IHE ATNA audit messages to syslog over TLS
- Retired SOP Classes documented and accepted

Improved

- Workstation start-up time halved by lazy loading of hanging protocols

Fixed

- Key Object Selection documents created with an empty Content Date on some locales

Upgrade notes

Windows 7 and 8.1 workstations are no longer supported.

Version 3.3

Released	Support status	Headline
22 June 2020	End of support	Remote reading improvements during the pandemic response

New

- Teleradiology routing rules with time-of-day and workload conditions
- Web viewer worklist for remote readers

Improved

- Compression profiles for low-bandwidth links (JPEG 2000 lossy with configurable ratio for non-diagnostic preview)

Fixed

- Routing loop when two archives were configured as mutual destinations

Upgrade notes

None.

Version 3.2

Released	Support status	Headline
16 September 2019	End of support	Whole-slide microscopy, video, Linux workstation

New

- Whole Slide Microscopy Image Storage with tiled pyramid viewer
- Video SOP Classes with hardware-decoded playback
- Ubuntu Linux build of the Diagnostic Workstation

Improved

- VL and photographic objects in the enterprise imaging worklist

Fixed

- Multi-frame ultrasound cine dropped frames above 60 frames/s

Upgrade notes

None.

Version 3.1

Released	Support status	Headline
8 October 2018	End of support	Breast tomosynthesis, enhanced US volume, MPEG2

New

- Breast Tomosynthesis Image Storage with cine and slab
- Enhanced US Volume Storage
- MPEG2 transfer syntaxes
- 5 MP mammography display profile

Improved

- Mammography hanging protocols with CC/MLO priors

Fixed

- Tomosynthesis series from one vendor were sorted by instance number instead of slice position

Upgrade notes

None.

Version 3.0

Released	Support status	Headline
13 November 2017	End of support	Cloud archive tier, DICOM TLS, SAML single sign-on

New

- Cloud archive tier on S3-compatible object storage
- DICOM TLS per node
- SAML 2.0 single sign-on

Improved

- Security section added to all technical documentation

Fixed

- Storage Commitment responses delayed when the archive was under replication load

Upgrade notes

New licence keys required; issued through the account manager.

Version 2.3

Released	Support status	Headline
26 September 2016	End of support	PET/CT fusion, SUV, radiotherapy and ophthalmology objects

New

- PET/CT and PET/MR fusion with SUV measurements
- RT Structure Set, Dose, Plan and Image display
- Ophthalmology and waveform SOP Classes accepted by the archive

Improved

- MIP rendering speed doubled

Fixed

- SUV decay correction ignored Radiopharmaceutical Start DateTime

Upgrade notes

None.

Version 2.2

Released	Support status	Headline
12 October 2015	End of support	DICOMweb, context launch from the RIS

New

- DICOMweb (QIDO-RS, WADO-RS) on the archive; web viewer without plug-ins
- Context launch of the workstation from the RIS

Improved

- Interface specification split from the DICOM Conformance Statement

Fixed

- Worklist refresh stalled after RIS reconnect

Upgrade notes

None.

Version 2.1

Released	Support status	Headline
5 May 2014	End of support	Structured reports, key images, presentation states

New

- Structured Report viewing and creation
- Key Object Selection
- Grayscale Softcopy Presentation State annotations
- Encapsulated PDF and CDA

Improved

- Hanging protocols apply GSPS from priors automatically

Fixed

- Annotations lost when a series was re-sent by the modality

Upgrade notes

None.

Version 2.0

Released	Support status	Headline
17 June 2013	End of support	MPR and MIP, enhanced multi-frame objects, GPU rendering

New

- MPR and MIP on the workstation
- Enhanced CT, MR and PET Image Storage
- GPU rendering pipeline

- C-MOVE and C-FIND as SCU for pre-fetching of priors

Improved

- Archive index rewritten for sub-second study queries

Fixed

- Enhanced MR frames with per-frame VOI LUT displayed with the series default

Upgrade notes

Requires 64-bit Windows 7.

Version 1.2

Released	Support status	Headline
10 September 2012	End of support	JPEG 2000 and JPEG-LS, dual displays, calibration check

New

- JPEG 2000 and JPEG-LS transfer syntaxes
- Dual-display workstation layouts
- DICOM PS3.14 calibration check at log-in

Improved

- RLE Lossless documented

Fixed

- Window presets not applied to CR images with a Modality LUT

Upgrade notes

None.

Version 1.1

Released	Support status	Headline
21 November 2011	End of support	Modality Worklist, hanging protocols per modality

New

- Modality Worklist SCP on the archive
- Hanging protocols per modality on the workstation

Fixed

- Study date filter in the worklist used the local time zone inconsistently

Upgrade notes

None.

Version 1.0

Released	Support status	Headline
14 March 2011	End of support	First release

New

- Archive with DICOM Verification, Storage and Query/Retrieve
- Diagnostic Workstation with 2D reading tools on Windows 7
- Web-based image distribution for referring physicians

Upgrade notes

n/a