



PACSgear Enterprise Server

EHR Gateway, EHR Gateway Print, Image Link, Image Link Plus,
Image Link Encounter Workflow (Encounter Manager), MDR
Video Touch (MDR Link), Video Touch 4K, PACS Scan Mobile,
PACS Scan Web and Web Forms

Release Notes

DOC-CS5.2-RN-EN-REVA

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General warnings and precautions



To ensure patient safety and adhere to HIPAA Privacy Rule involving patient health information, the Healthcare provider shall assign a unique Accession Number and Medical Record Number (MRN) to identify individual patient's health record affiliated with the patient to prevent erroneous medical data and duplicate identification with other patients.

Symbols glossary



ISO - 15223-1 - Medical devices - Symbols to be used with medical device labels, labeling, and information to be supplied.

3082 - Manufacturer: Indicates the medical device manufacturer.



ISO - 15223-1 - Medical devices - Symbols to be used with medical device labels, labeling, and information to be supplied.

Authorized representative in European Community: Indicates the authorized representative in the European union. Symbol is accompanied by the name and address of the authorized representative adjacent to the symbol.



ISO - 15223-1 - Medical devices - Symbols to be used with medical device labels, labeling, and information to be supplied.

2497 - Date of Manufacture: Indicates the date when the medical device was manufactured.



ISO - 15223-1 - Medical devices - Symbols to be used with medical device labels, labeling, and information to be supplied.

2493 - Catalog number: Indicates the manufacturer's catalog number so the medical device can be identified.



ISO - 15223-1 - Medical devices - Symbols to be used with medical device labels, labeling, and information to be supplied.

2498 - Serial number: Indicates the manufacturer's serial number so that a specific medical device can be identified.



ISO - 15223-1 - Medical devices - Symbols to be used with medical device labels, labeling, and information to be supplied.

1641 - Consult instructions for use: Indicates the need for the user to consult the instructions for use.



ISO - 15223-1 - Medical devices - Symbols to be used with medical device labels, labeling, and information to be supplied.

0434A - Caution: Indicates the need for the user to consult the instructions for use for important information such as warnings and cautions.



ISO - 15223-1 - Medical devices - Symbols to be used with medical device labels, labeling, and information to be supplied.

2610 - Patient number: Indicates a unique number associated with an individual patient.



Medical Devices Directive 93/42/EEC and EU 2017-745 Medical Device Regulation

CE Marking: Indicates that a product complies with applicable European Union regulations.



Quantity: Indicates the number of units.

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What is PACSGear Enterprise Server?

PACSGear Enterprise Server is a program that processes DICOM and non-DICOM medical data including patient demographics, images, videos, and HL7 messages. It also handles user accounts, security, client configuration, and the flow of data between modalities and destination DICOM systems. PACSGear Enterprise Server exclusively supports PACSGear client products such as EHR Gateway, Image Link, MDR Video Touch and Web Forms. You access PACSGear Enterprise from a web browser.

Intended use

PACSGear Enterprise Server with installed client applications are intended to be used by authorized staff to perform various operations on imaging studies before they are made available to other locations in the network. These operations include processing images, video, and patient demographics. PACSGear Enterprise Server is not labeled for diagnostic use.



See the PACSGear Enterprise Server Installation Guide for details on installing Enterprise Server and for instructions how to license client application.

Client compatibility warning



Due to changes in how PACSGear Enterprise 5.0.0 controls user access, current MDR Video Touch (MDR-VT) and PACS Scan Mobile Client (PSM) applications are not able to utilize the advanced client authorization features of PACSGear Enterprise server until new client updates are released. If you upgrade, MDR-VT and PSM client applications cannot login using LDAP accounts or benefit from users assignments to departments or groups correctly.

We recommend that you do not upgrade to version 5.0 if you are currently deploying the following client applications:

- PACS Scan Mobile 3.0 and earlier (Android and iOS platforms)
- MDR-Video Touch 2.0 and earlier

Media Writer Web and PACSGear Enterprise Server



PACSGear Enterprise Server 5.0 does not support Media Writer Web. If you are already using Media Writer Web, we recommended that you do not upgrade to PACSGear Enterprise Server 5.0. A future release of PACSGear Enterprise Server will support Media Writer Web and include an update to Media Writer.

Report any malfunction, security risk, unauthorized access or series incident that occurs in relation to PACSGear Enterprise Server and client applications to Hyland at <https://community.hyland.com>.

Note:

For details for protection on software virus, refer to PACSGear Enterprise Server Technical Specifications DOC-CS5.2-TS-EN.

PACSGear Enterprise Server 5.2.x (February 2021)

This release includes the following features and updates.

Client Applications

This release includes the following features and updates.

- EHR Gateway 3.0.1
- EHR Gateway Print 2.0.2
- Encounter Manager 2.0.0
- Image Link 3.0.2
- Image Link Plus 1.0
- MDR Video Touch 3.0.0
- ModLink Web Forms 4.0.1
- PACS Scan Mobile 3.1.0
- PACS Scan Web 3.1.0

Features

- PACSGear Enterprise Server now supports optional conversion of JPEG to BMP and BMP to monochrome colorspace.
- In Department, you can now configure a unique Institution Name value for jobs submitted through that Department.
- ModLink Web Forms is now named Web Forms. There are no licensing or functional changes.
- You can now configure DICOM Confidentiality code values.

Updates

- Corrected several typographical errors to log file entries
- Resolved an issue during the PGScanner app installation where the lack of a TWAIN device would cause the download to loop.
- Resolved an issue with the system not accepting long local user names on login attempts.
- Resolved an issue where inverting scanned images would result in poor readability.
- Resolved an issue where excess debug log events were getting logged.
- Resolved an issue with outbound HL7 messages from Encounter Manager not populating tags correctly.
- Resolved an issue with saving and sending flipped or rotated imported images.
- Resolved an issue where Image Link translation spaces were not allowing spaces.
- Resolved an issue during installation or upgrade with the Allow image option incorrectly setting to No.
- Resolved an issue where the default PG Scanner App's auto-feed was not set to TRUE by default.

- Resolved an issue where an extra carriage return was incorrectly added to HL7 templates.
- Resolved an issue where the PG Scanner Service would not operate in a multi-user workstation environment.

PACSGear Enterprise Server 5.1.1 (December 2020)

This release includes the following features and updates.

Client Applications

This release includes the following features and updates.

- EHR Gateway 3.0.1
- EHR Gateway Print 2.0.2
- Encounter Manager 2.0.0
- Image Link 3.0.2
- MDR Video Touch 3.0.0
- ModLink Web Forms 4.0.1
- PACS Scan Mobile 3.1.0
- PACS Scan Web 3.1.0

Updates

- Fixed a vulnerability where service account information could be exposed to unauthorized users when the server is configured for domain server authentication.

PACSGear Enterprise Server 5.1.x (October 2020)

This release includes the following features and updates.

Client Applications

This release includes the following features and updates.

- EHR Gateway 3.0.1
- EHR Gateway Print 2.0.2
- Encounter Manager 2.0.0
- Image Link 3.0.2
- MDR Video Touch 3.0.0
- ModLink Web Forms 4.0.1
- PACS Scan Mobile 3.1.0
- PACS Scan Web 3.1.0

Features

- You can now print images in PACS Scan Web using the newly added Hyland Print 2 PACS virtual printer. This virtual printer is installed as part of the PG Scanner service.
- Secure DICOM and HL7 communications, with security certificate management handled via the server user interface.
- You can now configure destinations and devices to only receive specific media types. Types include JPEG, MPEG and PDF.
- XDS: PDQ query results are now constrained to specified signing authorities, such as Affinity Domain.
- You can now configure a default domain server so clients launch with that domain preselected.
- Added support for PACS Scan Mobile (iOS and iPadOS) and MDR Video Touch 4K.
- You can now send individual studies from an imported set of DICOM files in PACS Scan Web.

Updates

- Added a plugin for web forms integration with Intellispace 4.4.
- Resolved an issue where inverting scanned images would result in poor readability.
- Resolved an issue where user names over 21 characters could not successfully log in.
- Adding and editing OnBase setting attributes has been streamlined with drop-downs of known attribute types.
- Resolved an issue where JPEGs would incorrectly rotate after importing.
- Resolved an issue where PACSgear Enterprise Server was failing to negotiate to a specific transfer syntax.

PACSgear Enterprise Server 5.0.1 (June 2020)

This release includes the following features and updates.

Client Applications

This release includes the following features and updates.

- EHR Gateway 3.0.0
- EHR Gateway Print 2.0.0
- Encounter Manager 2.0.0
- Image Link 3.0.0
- MDR Video Touch 2.0.0
- ModLink Web Forms 4.0.0
- PACS Scan Mobile 3.0.0
- PACS Scan Web 3.0.0

Features

- Added new administrative tools for logging and decoding passed URLs for diagnostic purposes.
- In a multi-server setup, changes to server configurations now trigger a restart of all servers to ensure changes take effect.
- Images across load-balanced servers now automatically synchronize.
- When performing a worklist lookup and only one study is returned, that study is now automatically selected for the patient study information.
- Added process improvements for transferring web form designs between server installations. For more information, see the PACSGear Enterprise Server Installation Guide 5.0.1.
- Added support for European Union date formats.
- Added URL launching of Web Scan.

Updates

- Resolved an issue where no lookup source in a department was causing problems with sending issues.
- Improved the service to the PG Scanner.
- Resolved an issue where inverted images would not display in DICOM destinations.

PACSGear Enterprise Server 5.0.0 (April 2020)

This release includes the following features and updates.

Client Applications

This release includes the following features and updates.

- EHR Gateway 3.0.0
- EHR Gateway Print 2.0.0
- Encounter Manager 2.0.0
- Image Link 3.0.0
- MDR Video Touch 2.0.0
- ModLink Web Forms 4.0.0
- PACS Scan Mobile 3.0.0
- PACS Scan Web 3.0.0

Features

- Added a new home page allowing for simpler navigation.
- You can now assign Web Forms by department.
- Added an option to invert the output image from Web Forms.
- You can now define user groups and their roles.
- You can now add users to user groups.
- You can now assign specific privileges to domain groups and user accounts.
- You can now assign security groups to domain groups and user accounts.
- PACSGear Enterprise server now supports multi-domain user authentication.

- PACSGear Enterprise server now provides usage statistics based on object, product, user or department.
- You can now access the majority of server-related configurations via the web client.
- Updated OnBase integration to allow assignment of different document types to different file types.
- Updated OnBase API to work properly when OnBase is in a High Availability (HA) environment.
- Enhanced Image Link deletion policy.
- Consolidated URL launch scheme.
- Added an option to invert the output image from Web Scan.
- Added support for using Scanner Service in High Availability (HA) environment.
- Updated PACSGear Core Server to a 64-bit architecture.
- Server and client configurations are now stored in a central database.
- Server, event and audit logs are now stored in a central database.
- PACSGear Enterprise server now supports centralized storage and distributed servers for load balancing and fail-over operations.
- PACSGear Enterprise server no longer supports AVI upload in PS Web Media Upload.

Updates

- Resolved an issue in DICOM import where accession numbers were not imported correctly.
- Resolved an issue where the installer required you to enable TLS 1.0 to install the application.

PACSGear Core Server 4.2.1 (September 2019)

Client Applications

This release includes the following features and updates.

- EHR Gateway 2.1.1
- EHR Gateway Print 1.0.0
- Encounter Manager 1.0.0
- Image Link 2.0.1
- Media Writer Web 1.0.0
- MDR Video Touch 1.3.0
- PACS Scan Mobile 3.0.0
- PACS Scan Web 2.1.0
- Web Forms 3.0.1

Updates

- Resolved an issue where DATE controls in Web Forms were not saving date values correctly.
- Resolved an issue with ImageLink where study modality was not filtering correctly.
- Improved the response time of ImageLink to modality worklist queries.
- Resolved an issue with ImageLink where DICOM attributes were not returned in a query.
- Resolved an issue with EHR Gateway where PDFs were mislabeled in the output XML.

PACSgear Core Server 4.2.0 (June 2019)

Client Applications

This release includes the following features and updates.

- EHR Gateway 2.1.0
- EHR Gateway Print 1.0.0
- Encounter Manager 1.0.0
- Image Link 2.0.0
- Media Writer Web 1.0.0
- MDR Video Touch 1.3.0
- PACS Scan Mobile 2.2.1
- PACS Scan Web 2.1.0
- Web Forms 3.0.0

Features

- You can now add and configure XDS PDQ lookup sources under Department settings.
- Updated the ModLink Web Forms product name to Web Forms.
- You can now use Web Forms without ModLink.
- EHR Gateway now supports **EHR Print: Define a Printer device** in Core Server
- EHR Gateway can now receive PDFs.
- PACS Scan Web now offers a more robust method for detecting and importing DICOM files via the PGScanner Service.
- PACS Scan Web now supports a combined media import mode which allow you to combine images, videos and PDFs in a single study.
- Media Writer Web 1.0 is now included in Core Server.
- You can now connect to Media Writer installations, commit jobs and audit logs remotely.

Updates

- Resolved an issue with performance degradation on frequently accessed databases.

PACSgear Core Server 4.1.0 (December 2018)

Client Applications

This release includes the following features and updates.

- EHR Gateway 2.0.0
- Encounter Manager 1.0.0
- Image Link 2.0.0
- MDR Video Touch 1.21.1
- ModLink Web Forms 3.0.0
- PACS Scan Mobile 2.2.1
- PACS Scan Web 2.0.1

Features

- ModLink WebForms
 - You can now create a dual form design and associate two advanced forms as page one and page two of the form.
 - When using a dual form, the user can easily switch between page one and page two. Also, all pages are sent to the job when submitted.
 - Forms in use can now be saved and reloaded later to finish.
 - Form fields can now be configured as Required, requiring the user to enter a value before sending.
 - Form fields can now be configured as Warning, prompting the user, but not requiring them to enter a value before sending.
 - Added a new form field, Patient Age, that calculates patient age based on date of birth and the current system's date and time.
 - Date controls now have formatting options.
 - Added a new form control, Patient History.
 - Form field values that are marked exceptions now appear in red text.
 - Forms no longer require VDS data to be used. You can now design a form that does not reference any custom fields without causing an error on use or when sending.
 - Added a new toggled grid overlay that allows for better aligning of controls and images when designing forms. The grid does not display when using forms.
 - You now have the option to alphabetically list choice controls.
 - When designing forms, the administrator may view and change the Tab key order when using the form design.
- Added a database cleanup routine for Image Link tables.
- Simplified client device for PACS Scan Mobile. Options are now, iOS, Android or MDR-VT.
- Added support for Android devices running PACS Scan Mobile.

Updates

- You can now configure XDS settings by department.
- Jobs that are no longer processing will be moved to a failed job folder to free up server resources.
- You now have the options to alphabetically list series descriptions in drop-down lists.
- You now have the option to assign a separate series number to each image in a job.
- Resolved an issue where HL7 jobs created with every ping to the HL7 listening port.

PACSGear Core Server 4.0.1 (July 2018)

Client Applications

This release includes the following features and updates.

- EHR Gateway 2.0.0
- Encounter Manager 1.0.0
- Image Link 2.0.0
- MDR Video Touch 1.1.0
- ModLink Web Forms 2.0.5

- PACS Scan Mobile 2.2.0
- PACS Scan Web 2.0.1

Features

- PACSGear Core Server is now FIPS-compliant.
- **Note:** FIPS must be disabled in Windows to use **ModLink Web Forms**.
- **Note:** Encryption libraries used by third party applications may use non FIPS 140-2 compliant protocols and may not function if FIPS 140-2 is enabled on the Windows system hosting the Core Server. This may affect the function of encrypted links used to launch Pacsscan Mobile and PacsSCAN Web.

Updates

- The installation prerequisites for PACSGear Core Server have changed. See "Install PACSGear Core Server" in the installation guide.

PACSGear Core Server 4.0.0 (June 2018)

This release includes the following features and updates.

Client Applications

This release includes the following features and updates.

- EHR Gateway 2.0.0
- Encounter Manager 1.0.0
- Image Link 2.0.0
- MDR Video Touch 1.1.0
- ModLink Web Forms 2.0.5
- PACS Scan Mobile 2.2.0
- PACS Scan Web 2.0.0

Features

- Users can now access the following clients from within PACSGear Core Server.
 - EHR Gateway
 - Image Link
 - ModLink Web Forms
 - PACS Scan Web
- PACS Scan Web now supports the following functions.
 - DICOM import
 - PDF import
 - Web Scan (paper scanning)
- Image Link: An "Image Link Encounter Workflow" function is now available.

Updates

- Media Uploader is now PACS Scan Web.
- ModLink Web Forms: Fixed an issue in which the program reached the JSON MAX string limit.
- ModLink Web Forms: Fixed an issue in which jobs did not have the correct default modality setting.
- ModLink Web Forms: Now adds the department AE title to the station name tag (0008,1010) when submitting a form to PACSgear Core Server.

PACSgear Core Server 3.6.1 (March 2018)

This release includes the following features and updates.

Client Applications

- EHR Gateway 2.0.0
- Image Link 2.0.0
- ModLink WebForms 2.0.4
- PACS Scan Mobile 2.2.0
- PACS Scan Web 1.1.0

Features

- EHR Gateway: Now supports OnBase ECM as a repository.
- PACSgear Core Server: You can now store native images and videos (.jpg and .mp4) directly into an OnBase ECM.
- Image Link: You can now add Epic SOAP web services as a query source.
- Media Uploader: Added support for launching Media Uploader from an external service.

Updates

- Media Uploader: Resolved an issue in which the acquisition date and time were sometimes not correct.

Pacsgear Core Server 3.6.0 (February 2018)

This release includes the following features and updates.

Client Applications

- Media Uploader 1.0.0
- ModLink Web Forms 2.0.4

Features

- PACS Scan Web: PACS Scan Web is now called Media Uploader.
- Media Uploader: You can now add Epic SOAP web services as a query source.

Updates

- ModLink Web Forms: Resolved database errors by increasing the JSON string limit.
- ModLink Web Forms: Resolved an issue with the tab order.

Pacsgear Core Server 3.5.0 (November 2017)

This release includes the following features.

Client Applications

- ModLink Web Forms 2.0.3
- PACS Scan Mobile 2.1

Features

- ModLink Web Forms: Resolved an issue relating to configuring of check box controls.
- ModLink Web Forms: Resolved an issue with check boxes in which one option always appeared selected.
- PACS Scan Mobile: Users can now add a body location to image metadata.
- PACS Scan Mobile: Administrators can now enable or disable importing of media from the camera roll of iOS devices.

Pacsgear Core Server 3.4.0 (August 2017)

This release includes the following updates.

Client Applications

- Image Link 1.1.0.
- ModLink Web Forms 2.0.2.

Updates

- Image Link: Resolved an issue in which patient level information was duplicated in the database from HL7 messages.
- Image Link: Improved query response time.
- ModLink Web Forms: Resolved an error on advanced forms when adding check boxes or radio buttons without selecting the "other" option.

Pacsgear Core Server 3.2.0 (November 2016)

This release includes the following features and updates.

Client Applications

- ModLink Web Forms 2.0.0.

Features

- ModLink Web Forms: You can now share forms between servers.
- ModLink Web Forms: You can now open and automatically fill in a form directly from patient demographic screens in PACS/EHR.
- ModLink Web Forms: Added advanced forms with new design options including background images, free sizing and placement of fields, and field-independent labels.

Updates

- Pacsgear Core Server: Resolved an issue regarding service memory usage.

ModLink Web Forms 1.0.0

This release includes the following updates.

Updates

- Resolved LDAP user issue.
- Resolved an issue in which forms did not prevent two text fields from referencing the same value.
- Resolved an issue in which image label text of forms did not appear when viewed in Gear View.