



eRAD RIS

CUSTOMER RELEASE NOTES

Build v3.2021.11.22

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Table of Contents

Summary	2
Intended Audience.....	2
Who Is Affected.....	2
New Settings	3
RIS.....	3
New Features	5
Insurance Management.....	5
Feature #30739 - Scanned Image Logo and Text Recognition with ScriptSender AI	5
Billing.....	8
Feature #30802 - Distinguish Previous Balance payment amounts from Date of Service payments	8
Payment Control.....	9
Feature #31057 - Configurable Payment Types for ImaginePay Integration	9
Peer Review.....	10
Feature #28426 -Prioritize manually assigned studies in Forced Peer Review workflow.....	10
Feature #26611 - Select Peer Review cases based on previous activity.....	10
Feature #26608 - Distinguish Peer Review type for reporting purposes.....	11
Feature #26586 - Support for reduced resolution view of the Peer Review counter	12
Portals.....	12
Feature #30445 - Configurable Training Material resources on Portals.....	12
Resolved Issues and Known Limitations	19
Resolved Issues.....	19
New Known Limitations.....	20
Version Details	21
Package Contents.....	21
Code Stream.....	21
eRAD RIS Release Version Numbers.....	22

Publication History

Revision	Author	Description
December 3, 2021	Kevin Brooks / Hilary Saltmarsh	<ul style="list-style-type: none"> ▪ Commercial release.

SUMMARY

Intended Audience

The intended audience for this CUSTOMER RELEASE NOTES document is the RIS Administration team for all eRAD RIS customers.

This document describes the purpose, configuration, and operation of new features made available with this release, identifies issues resolved in the release, and highlights any unresolved known limitations.

This information should be used by all customers to determine how these changes affect their organization's workflow, and to plan their organization's upgrade strategy for eRAD RIS.

Additional technical details and deploy instructions are available to the Service Team in the SERVICE RELEASE NOTES edition of this document.

Who Is Affected

This release of eRAD RIS v3.2021.11.22 includes both feature enhancements and a variety of resolved issues.

Notable enhancements are a new insurance card recognition feature, a portal training material management, and changes to peer review, billing, and payment functionality.

This version is recommended to be applied on eRAD RIS v3.2021.10.25 installations.



Please carefully review these release notes even if your system will not be upgraded immediately, to identify and communicate any issues that may affect your organization.

NEW SETTINGS

Summary of all settings that were added, updated, or removed.

RIS

Changes to Access Strings

The following settings were added or updated with this release:

Setting	Default	Purpose
Clinical.ScanDocs.ImageRecognitionData.Submit	Value=[None Full], Default=[None]	Controls access to the "Image Recognition Data" context menu from Attachment Viewer screens to submit recognition requests. Added in v3.2021.11.22 #30739
Portal.Patient.Admin.TrainingMaterial	Value=[None Full], Default=[None]	Controls access to the "Training Material" tab in the Patient Admin Portal. Added in v3.2021.11.22 #30445
Portal.Referring.Admin.TrainingMaterial	Value=[None Full], Default=[None]	Controls access to the "Training Material" tab in the Provider Admin Portal. Added in v3.2021.11.22 #30445
Portal.UM.Admin.TrainingMaterial	Value=[None Full], Default=[None]	Controls access to the "Training Material" tab in the UM Admin Portal. Added in v3.2021.11.22 #30445

Changes to SysConfig

The following settings were added or updated with this release:

Setting	Default	Purpose
ImageRecognitionAPIKey	Value=String, Default=Blank	String (similar to a password) required to connect to the image recognition API.
ImageRecognitionURL	Value=URL as String, Default=Blank	The https URL to the image recognition API.
ImagineCashPaymentTypeStrings	Value=CSV as String, Default=[Cash]	Comma separated list of ImaginePay payment type codes that may be returned from an ImaginePay "Cash" payment transaction. Added in v3.2021.11.22 #31057
ImagineCreditCardPaymentTypeStrings	Value=CSV as String, Default=[Credit,CreditCard]	Comma separated list of ImaginePay payment type codes that may be returned from an ImaginePay "CreditCard" payment transaction. Added in v3.2021.11.22 #31057

Setting	Default	Purpose
ImagineCheckPaymentTypeStrings	Value=CSV as String, Default=[Check,ACH]	Comma separated list of ImaginePay payment type codes that may be returned from an ImaginePay "Check" payment transaction. Added in v3.2021.11.22 #31057
PeerReviewProcedureEligibilityTimeFrame	Value=Months as Integer, Default=[12]	The maximum report age in a Radiologist's reading history that is considered when determining the types of procedures to be presented for peer review. Added in v3.2021.11.22 #26611

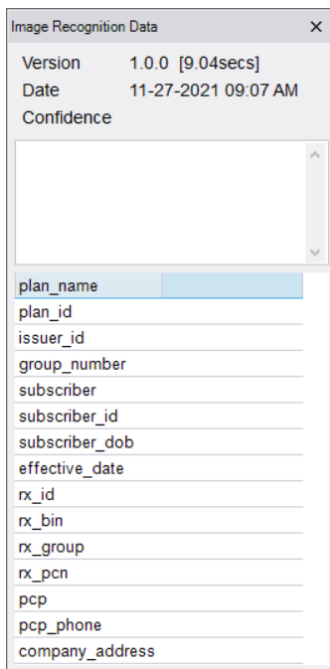
NEW FEATURES

Insurance Management

Feature #30739 - Scanned Image Logo and Text Recognition with ScriptSender AI

Summary

This enhancement to Insurance Management adds the capability to perform image logo and text recognition of scanned documents via ScriptSender AI integration, and to use the recognized values to associate insurance cards with the patient's policies. This relieves users from needing to manually enter values such as the policy number or interpreting information on the card such as identifying the insurance company logo.



Background

When documents such as insurance cards or scripts are scanned, there is data on the documents that needs to be either manually entered (e.g., a policy number) or has to be interpreted by a user (such as looking at a logo on an insurance card and knowing that logo indicates one of two similar insurance carriers).

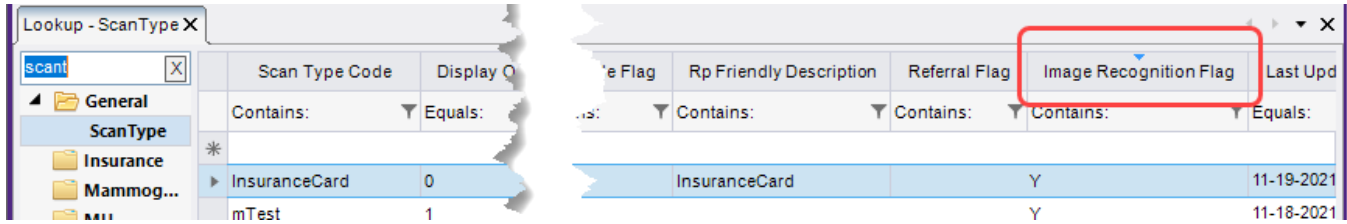
RIS is integrated with the ScriptSender library which is capable of using AI and OCR to pull discrete data off of a scanned document (or a photo of a document, screenshot from a benefits website, etc.). Particularly exciting from an insurance perspective, ScriptSender will allow information about key logos to be stored and made available to the AI Gateway for Carrier Determination purposes in the future.

While the focus is currently on insurance data, this feature will be extended in the future to other types of documents, such as scripts, ID cards, clinicals, etc.

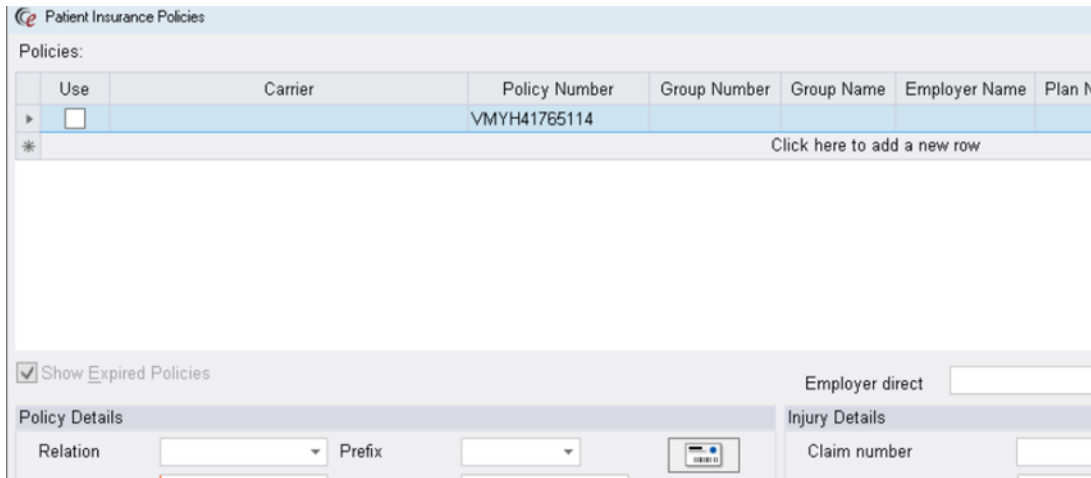
Feature Description

With this change, scanned images with a configured scan type, identified via a new `Image Recognition Flag` column, are first queued for image recognition processing by ScriptSender. This may occur either when a user is actively adding scanned documents to the patient's attachments, or in the background, when a scanned document

is added to attachments via an external source, such as RADAR SecurePIC or an electronic order coming from an EMR.



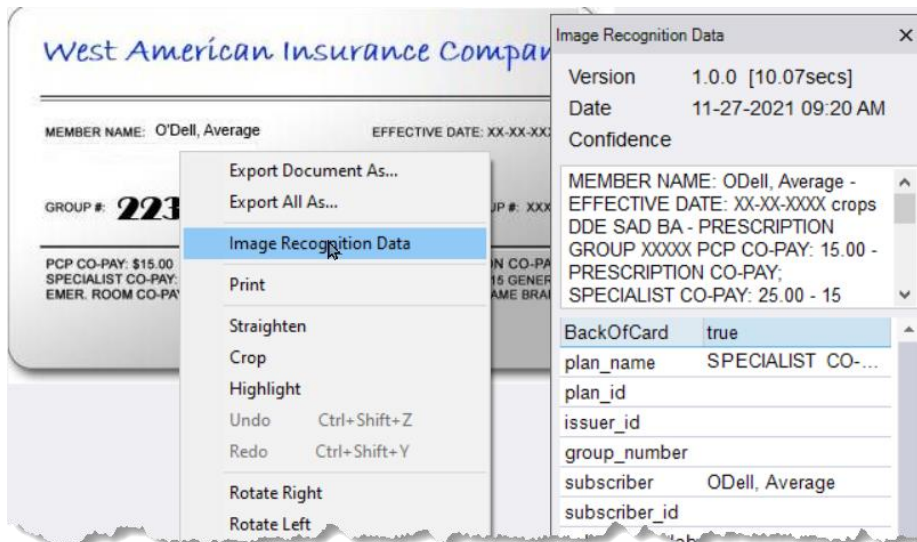
Initially, the subscriber ID and card image association will be temporarily added to the manage policies screen, if it has not already been added.



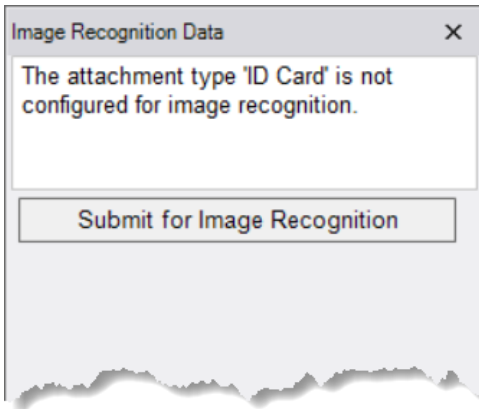
If the member id in the image recognition data equals a policy number in the patient “manage policies” grid, then the front of the card will automatically be associated with that plan. Additionally, if for that matching card, there is exactly one other card in the same scan document which does not have a member id, RIS will assign that one as the back of the card.

Also, for customers with the AI Gateway, the carrier dropdown will be auto-populated with the highest probable carrier codes. Note the quality of these matches will increase over time, as the AI Image Recognition engine collects data while operating in production. In the meantime, the AI may be configured with a list of carrier codes to return.

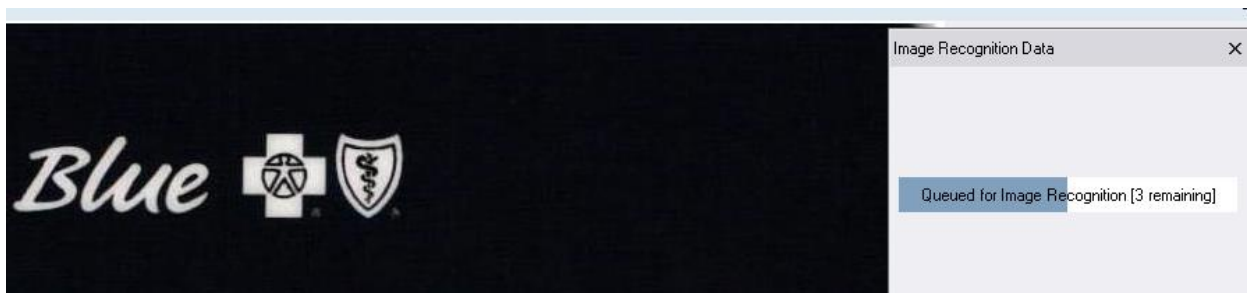
Details of the processing results are viewable by right-clicking an image from any attachment viewer and selecting **Image Recognition Data** from the context menu.



Additionally, this functionality may be used to capture values from other scanned documents (which could include a photo of a document or a screenshot from a benefits website, etc.) even when the document type is configured with an `Image Recognition Flag = N`.



As image recognition is processing intensive, requests are queued. When this occurs, the Image Recognition Data dialog will show how many items are remaining in the queue. When processing starts for the displayed image, it will display a “Processing” progress bar. The dialog may be closed, and image processing will continue on in the background on the RIS WS Server. Once completed, RIS will attempt to associate the cards (using the image recognition data) with the policies in the manage policies grid.



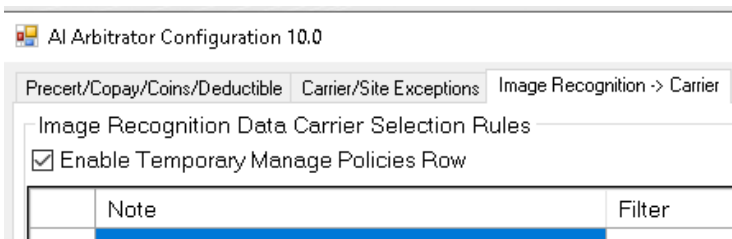
Configuration Instructions

System Administrators must complete the following actions to enable this feature:

RIS Client

Changes to AI Gateway Configuration Settings

- Ensure the `Enable Temporary Manage Policies Row` checkbox is enabled within the AI Gateway (Arbitrator) Configuration.



The Initial Manage Policies Row function requires an AI Gateway (Arbitrator) Configuration DLL version 10.0 or newer.

Changes to ScanType Configuration Settings

- Set the new `Image Recognition Flag` column to `Y` to enable recognition for insurance card document types (or other types as required).

Changes to RIS System Configuration Settings

- Configure `ImageRecognitionURL` and `ImageRecognitionAPIKey` to connect to your image recognition server.



If the recognition server is changed, such as moving it to a computer with faster processing suitable for production use, the API key will need to be re-generated.

The following related settings were added or updated:

Setting	Default	Purpose
ImageRecognitionAPIKey	Value=String, Default=Blank	String (similar to a password) required to connect to the image recognition API.
ImageRecognitionURL	Value=URL as String, Default=Blank	The https URL to the image recognition API.

Changes to RIS Access String Settings

- Grant permissions as necessary to authorize users to submit images for processing when the document type is not configured for recognition.

The following related settings were added or updated:

Setting	Default	Purpose
Clinical.ScanDocs.ImageRecognitionData.Submit	Value=[None Full], Default=[None]	Controls access to the "Image Recognition Data" context menu from Attachment Viewer screens to submit recognition requests. Added in v3.2021.11.22 #30739

Billing

Feature #30802 - Distinguish Previous Balance payment amounts from Date of Service payments

Summary

This enhancement to Billing introduces a separate Previous Balance payment field that is independent from Date of Service (DOS) payment amounts.

Date	Posted By	Method	Amount	This Order	Previous Balance
11-19-2021	Imaginage	Cash	\$255.00	\$222.00	\$33.00

Previously, RIS only captured the total payment amount from Imagine but only when that total payment amount was greater than the Amount to Collect (ATC) retrieved from Imagine would a prior balance payment be applied.

With this change, RIS will separately track the prior balance payment so the two payment amounts may be designated separately. This allows applying a partial date of service payment and earmarking a specific amount towards the previous balance amount.

Amounts will now be displayed in the `Payments` grid and when payment details are accessed via the `View` button (when a previous payment exists). Also, the Paid summary at the bottom of the grid should include details on the previous payments collected on that order.

Configuration Instructions

No System Administrator actions are necessary to enable this feature.

Payment Control

Feature #31057 - Configurable Payment Types for ImaginePay Integration

Summary

This enhancement to Payment Control introduces configurable identifiers to match the ImaginePay payment type codes that may be returned from an ImaginePay payment transaction to the corresponding RIS Cash, Checking, or Credit Card payment types.

Previously, payment types returned from the ImaginePay APIs were hard-coded in RIS, and any new codes would not be recognized by RIS.

With this change, when the payment codes used in ImaginePay are updated, RIS can be easily configured to match by listing the recognized codes using the new `ImagineCashPaymentTypeStrings`, `ImagineCreditCardPaymentTypeStrings`, and `ImagineCheckPaymentTypeStrings` RIS System Config settings.

Configuration Instructions

System Administrators must complete the following actions to enable this feature:

RIS Client

Changes to RIS System Configuration Settings

- Confirm the three payment type settings are configured to match the current ImaginePay implementation.

The following related settings were added or updated:

Setting	Default	Purpose
<code>ImagineCashPaymentTypeStrings</code>	Value=CSV as String, Default=[Cash]	Comma separated list of ImaginePay payment type codes that may be returned from an ImaginePay "Cash" payment transaction. Added in v3.2021.11.22 #31057
<code>ImagineCreditCardPaymentTypeStrings</code>	Value=CSV as String, Default=[Credit,CreditCard]	Comma separated list of ImaginePay payment type codes that may be returned from an ImaginePay "CreditCard" payment transaction. Added in v3.2021.11.22 #31057
<code>ImagineCheckPaymentTypeStrings</code>	Value=CSV as String, Default=[Check,ACH]	Comma separated list of ImaginePay payment type codes that may be returned from an ImaginePay "Check" payment transaction. Added in v3.2021.11.22 #31057

Peer Review

Feature #28426 - Prioritize manually assigned studies in Forced Peer Review workflow

Summary

This enhancement to Peer Review changes the logic for selecting forced peer review cases to automatically prioritize any manually assigned studies when a forced peer review occurs.

Previously, forced peer review only prioritized reviews for the most overdue modality type, and did not consider the origin of the review.

With this change, studies that were manually assigned to a Radiologist for Peer Review are the first to be presented when a forced peer review is due. If the user has no studies specifically assigned to them, but there are other unassigned studies that were manually sent for Peer Review, those will be prioritized.

Within those categories, the existing logic is unchanged and will continue to prioritize reviews for the modality type that is most overdue.

For example, if the Radiologist is most overdue to peer review a Mammo but has only one study that is assigned to her for Peer Review and it is a CT, she should be given that CT for her forced peer review. For her next forced peer review, if she has no other studies directly assigned to her but there are a number of manually added peer reviews that are Unassigned, she should receive one of those studies, preferably a Mammo if available.

Configuration Instructions

No System Administrator actions are necessary to enable this feature.

Feature #26611 - Select Peer Review cases based on previous activity

Summary

This enhancement to Peer Review updates the logic for selecting peer review candidate cases to automatically utilize a radiologist's previous activity to select cases appropriate for that radiologist to peer review rather than relying only on configuration.

Previously, when a radiologist began reading a modality type, their `RADPeerReviewAssignment` configuration would be manually updated to include that modality (unless they were already configured for "all" modalities) and their Reports to Peer Review worklist would be populated with all procedures for that modality. However, because no filtering of specific procedure codes occurred, they would be presented with reviews for any exam that was performed on that modality, including procedure codes that they do not read. This forced them to frequently use the Skip option to bypass these procedures.

With this change, in combination with the existing configuration criteria to include specific **modality** types, the selection of peer review candidate cases will now also consider the types of **procedures** the radiologist has dictated or signed (as Contributor A, B, or Final Sign) within the past number of months when populating the Reports to Peer Review worklist or when forcing a peer review.

In this way, when radiologists start to read new types of procedures (or stop reading certain procedures), only relevant procedures from the previous number of months, as defined by the new `PeerReviewProcedureEligibilityTimeFrame` RIS System Configuration setting, will be selected without requiring RIS Administrators to manually adjust configuration.



Note that when a Radiologist stops reading a specific procedure, they will temporarily continue to receive those procedures until the configured timeframe has elapsed. The Skip option can be used to bypass them.

For example, Radiologist Joe is assigned to peer review MRI exams and `PeerReviewProcedureEligibilityTimeFrame` is configured to 3 months. When populating Joe's Reports to Peer Review worklist or forcing a peer review, RIS will only include MRI procedures of the same type that Joe dictated or signed in the past 3 months. If Joe then begins to read MR Brain exams for the first time, then his worklist will begin to be populated with that procedure as well.

If Joe is then trained to start reading CT exams, his `RadPeerReviewAssignment` configuration should then be updated to include **either** the MRI or CT `Modality Type`. Nothing will immediately change until Joe reads his first CT Spine, at which point his Peer Review worklist will soon begin to be populated with that procedure. As Joe reads a wider variety of CT procedures, the variety of CT Peer Reviews will also expand.



Note that the content of Peer Review worklists is cached, so it may take some time for new exam types to appear.

Even if Joe never reads another CT Spine, he will continue to be presented with CT Spine exams to review for the following 3 months (although he may use the `Skip` reason if desired).

Configuration Instructions

System Administrators must complete the following actions to enable this feature:

RIS Client

Changes to RadPeerReviewAssignment Settings

- Optionally, adjust `Modality Type` assignments for participating Radiologists.

Changes to RIS System Configuration Settings

- Optionally, adjust `PeerReviewProcedureEligibilityTimeFrame` to your preferred duration.

The following related settings were added or updated:

Setting	Default	Purpose
<code>PeerReviewProcedureEligibilityTimeFrame</code>	Value=Months as Integer, Default=[12]	The maximum report age in a Radiologist's reading history that is considered when determining the types of procedures to be presented for peer review. Added in v3.2021.11.22 #26611

Feature #26608 - Distinguish Peer Review type for reporting purposes

Summary

This enhancement to Peer Review introduces a new database field to distinguish Peer Review types, allowing Management Reports to distinguish the manner in which a Peer Review was initiated

Previously, these values were not tracked.

With this change, Worklist, Injected, Adhoc, and QA Peer Review types will be recorded in the database via a new `peer_review_type` column in the `c_interpretation_peer_review` table.

- Worklist** - The user has chosen to perform a Peer Review from the Reports to Peer Review worklist.
- Injected** - A Peer Review has been inserted into a user's dictation workflow because they have fallen below the target percentage.
- Adhoc** - The user has chosen to perform an optional Peer Review on an eligible prior study during the course of normal workflow.
- QA** - The user has performed a Peer Review from the Peer Review QA workflow.

Configuration Instructions

No System Administrator actions are necessary to enable this feature.

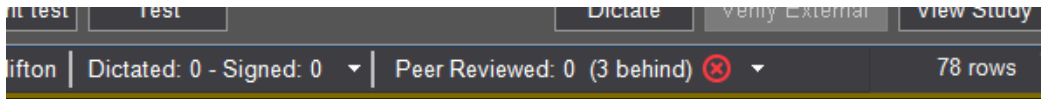
Feature #26586 - Support for reduced resolution view of the Peer Review counter

Summary

This enhancement to Peer Review provides a condensed view of the Peer Review counter when running RIS in lower resolutions.

Previously, some radiologists were not able to see the Peer Review counter as their monitors were configured in a vertical orientation, which reduces the horizontal resolution.

With this change, adjustments to the status bar spacing ensure that Peer Review information is viewable at supported resolutions.



Known Limitations

The following limitation has been identified and should be communicated to affected users:

- **BUG #31008 - PEER REVIEW COUNTER DISPLAY ISSUES DUE TO SCREEN RESOLUTION**

The Peer Review counter can disappear when the assigned Radiologist has a very long name or when a dated worklist is opened (Reception/Tech).

Configuration Instructions

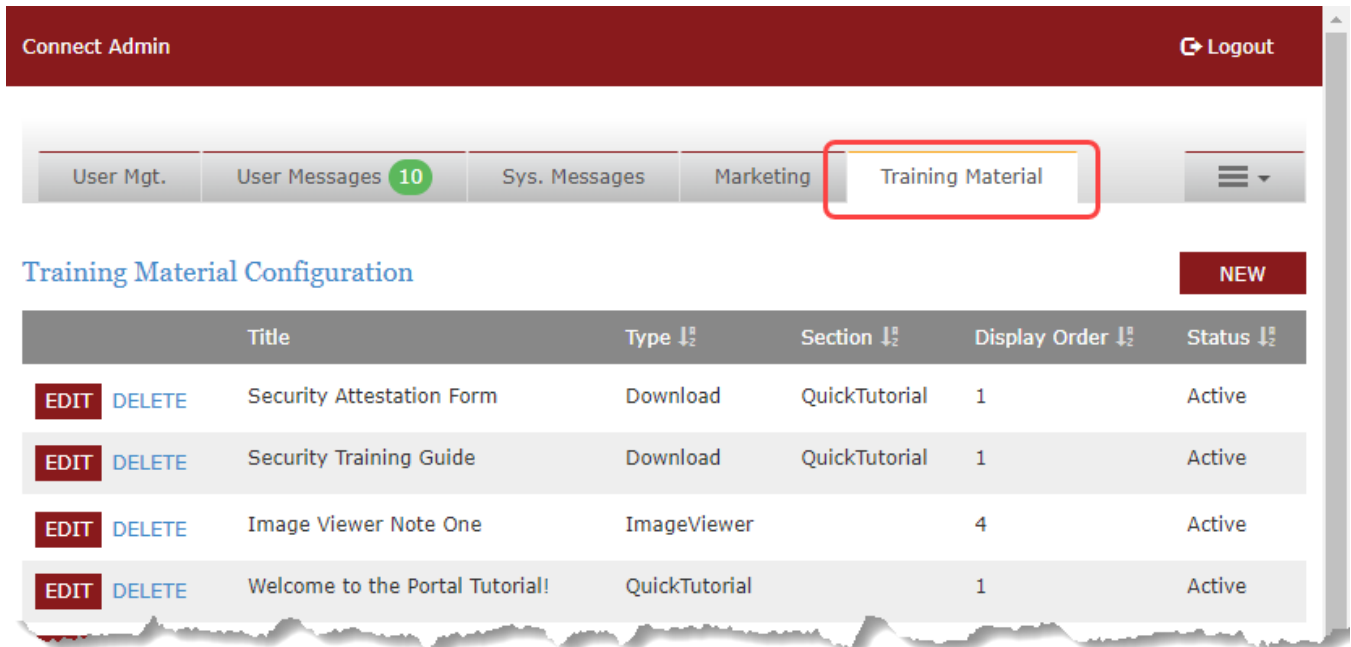
No System Administrator actions are necessary to enable this feature.

Portals

Feature #30445 - Configurable Training Material resources on Portals

Summary

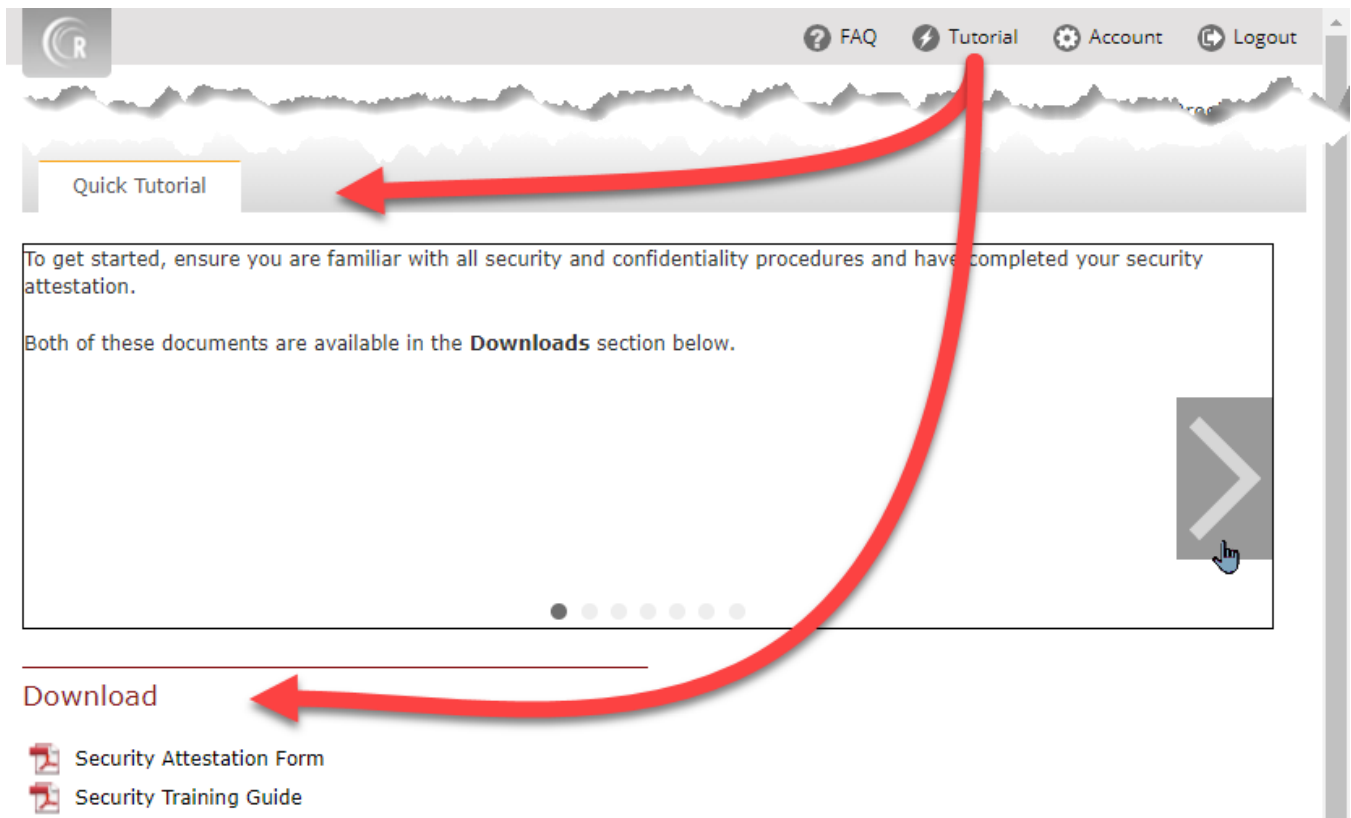
This enhancement to Portals introduces a new Training Material tab that allows Portal Administrators to upload and manage teaching tool resource files (including image, html, and pdf files) that provide guidance to Portal Users on how to use the portals and complete their workflows.



From this tab, administrators can configure three sets of training materials:

- A **FAQ** page used for general reference information. It can be organized either as a single entry or as individual questions that link to answer pages in HTML format.
- A **Quick Tutorial** that can display a sequence of media assets (including images or HTML pages) in an inline container, similar to a Marketing Campaign.
- An **Image Viewer** reference page, accessed via the Account tab, includes information and downloads for both the eRAD Web Viewer and eRAD Full Viewer.

Each of the three training materials sections may include a downloads section with a list of related files.



Portal users will be able to take advantage of these resources, if they are configured, to learn more about the functionality and options within the portal.

Background

In the Millinger version of the Provider Portal, marketers utilized the available Quick Tutorial and FAQ features and the ability to provide downloadable PDF documentation (such as user guides and reference sheets) when onboarding new providers and their staff to the portal.

To assist in successfully rolling out the eRAD Portals, comparable tools are needed to present any content that will be developed by customers and uploaded by administrators.

Feature Description

Administration

With this change, each Admin portal now includes a `Training Material` tab, accessible to users with the corresponding `Portal.Referring.Admin.TrainingMaterial`, `Portal.Patient.Admin.TrainingMaterial`, or `Portal.UM.Admin.TrainingMaterial` Access String permissions.

Each of the three training materials sections are populated by clicking `New`, adding one of four topic types, and optionally uploading related assets.

TRAINING MATERIAL CONFIGURATION

The screenshot shows a form titled "TRAINING MATERIAL CONFIGURATION". It has the following fields:

- Title ***: A text input field containing "Title".
- Type ***: A dropdown menu with a downward arrow.
- Display Order ***: A text input field.
- Description**: A dropdown menu with the following options: "Quick Tutorial Slide", "Document Download", "FAQ" (highlighted in blue), and "Image Viewer".

Below the form, there is a checked checkbox labeled "Active" and a red button labeled "Upload Assets".

Note that a preview of the content is available via a new `PREVIEW` button.

FAQ and Image Viewer Topic Types

The `FAQ` and `Image Viewer` topic types can be created either as a single entry or multiple items can be created that will be listed individually.

The Description field may contain simple text or HTML that will be displayed to users:

The screenshot shows the same form as above, but with the following values:

- Title ***: "HTML sample"
- Type ***: "FAQ"
- Display Order ***: "9"
- Description**: "FAQ test" followed by HTML code:


```
<h1 style="font-size:300%;">This is a heading</h1>
<p style="font-size:160%;">This
```

Below the form, there is a checked checkbox labeled "Active".

Any uploaded images can be referenced from the description by enclosing the filename in curly braces. Images will be rendered as an image, other file types will be rendered as links:

Title *




Type *

Display Order *

Description

Active

[Upload Assets](#)

 Getting ready.png  REMOVE  Download



A Windows clipboard image may be quickly pasted directly into the description field. A random filename will be generated based on the current time stamp.

Quick Tutorial Topic Type

The `Quick Tutorial` topic type is used to upload an HTML page to be presented as an individual slide as part of a slide show.

Files may be uploaded with the special names `index`, `default`, `home`, or `welcome` and the first instance found of this naming convention will be displayed. For the quick tutorial slide show page, users can also upload an additional html file named `scroll`, `side`, or `sidebar`.

Files may be uploaded individually or inside a zip file which will be extracted and displayed. Any image references in an html file should be based on a relative location (`src="welcome.jpg"`).



When editing a tutorial, the `Title` and `Type` fields will be read only. Other fields can still be updated, and asset files may be updated by deleting and re-uploading them.

Optionally, tutorials slides can be configured to automatically advance based on the new `TutorialSlideTimer` setting.

Document Download Topic Type

The `Document Download` topic type is used to add images, html, and pdf files that can be that downloaded from each of the three training materials sections.

When adding a document download, the `Title` text is displayed, not the filename, and the `Section` is where the files should appear:

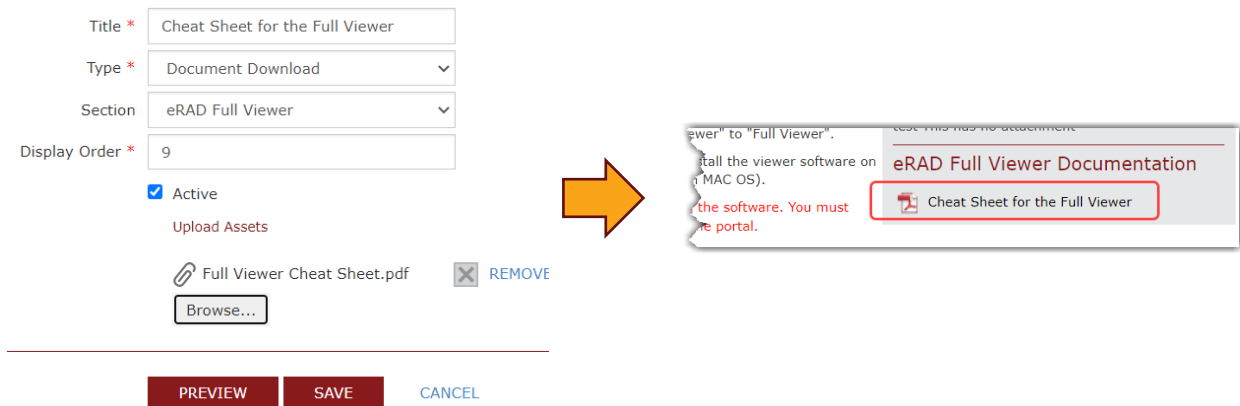
Title *

Type *

Section

Display Order *

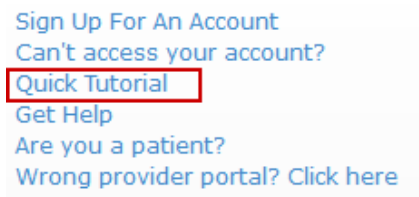
For example, selecting `eRAD Full Viewer` will display the file on the right-hand side of the `Image Viewer` page:



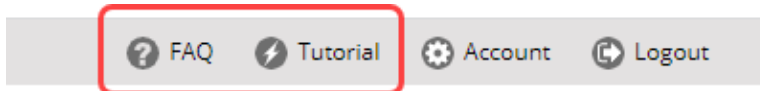
Portal Users

Users may access training content from three locations (if content has been configured):

1. Prior to logging in, a link to Quick Tutorial content is available on the login page:



2. Once logged in, user will have access to the FAQ and Tutorial links at the top of the screen:

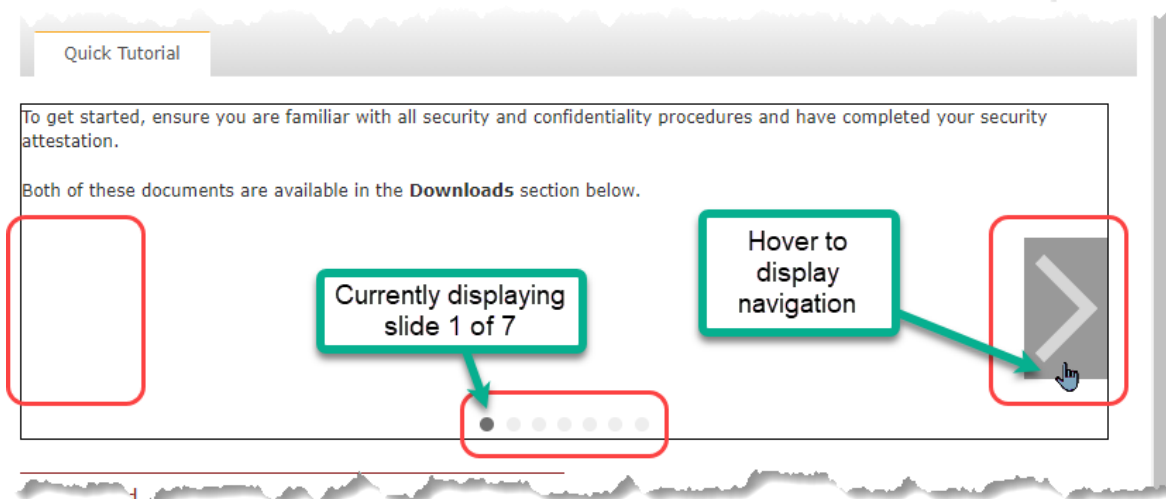


3. Image Viewer pages are accessed via the Account tab:



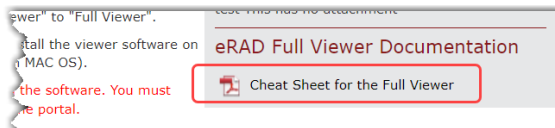
Viewing Tutorial Slides

When viewing tutorials, users may navigate via back and next buttons that appear at the left and right of the slide when the cursor is hovered over them, or navigate directly to a desired slide via the multiple slide indicator buttons at the bottom of the slide:



Downloading Files

Files available for download may appear at the bottom of the Quick Tutorial and FAQ pages, and to the right of the Image Viewer reference page.



To download a copy of a document to your workstation, right-click the browser link and select "Save link as..."

Known Limitations

The following items are all related to the Provider Admin - Training Material feature:

- BUG #31072 - PREVIEWING ADDED TRAINING MATERIAL WILL PREVIEW FIRST ONE ADDED
- BUG #31080 - ADDING NEW CONTENT FOR A TYPE AND TITLE THAT ALREADY EXISTS MAY UPDATE THE CURRENT ONE.
- BUG #31085 - PREVIEWING TYPE OF IMAGEVIEWER WILL THROW EXCEPTION
- BUG #31086 - PREVIEWING TRAINING MATERIAL AND SELECTING ACCOUNT WILL THROW EXCEPTION
- BUG #31079 - MISSING CONFIRMATION MESSAGE ON DELETE
- SLUSH #31077 - DOCUMENT DOWNLOAD OPTION RETURNS EXCEPTION WHEN ATTEMPTING TO VIEW AND NO DOCUMENT IS ATTACHED
- SLUSH #31074 - CREATE TYPE OF DOCUMENT DOWNLOAD EDIT WINDOW IS NOT CORRECT

Configuration Instructions

System Administrators must complete the following actions to enable this feature and Service Team assistance is required for some actions:

RIS Client

Changes to RIS Access String Settings

- Grant Portal Administrators access to `Portal.Referring.Admin.TrainingMaterial`, `Portal.Patient.Admin.TrainingMaterial`, and `Portal.UM.Admin.TrainingMaterial` permissions as necessary.

The following related settings were added or updated:

Setting	Default	Purpose
Portal.Referring.Admin.TrainingMaterial	Value=[None Full], Default=[None]	Controls access to the "Training Material" tab in the Provider Admin Portal. Added in v3.2021.11.22 #30445
Portal.Patient.Admin.TrainingMaterial	Value=[None Full], Default=[None]	Controls access to the "Training Material" tab in the Patient Admin Portal. Added in v3.2021.11.22 #30445
Portal.UM.Admin.TrainingMaterial	Value=[None Full], Default=[None]	Controls access to the "Training Material" tab in the UM Admin Portal. Added in v3.2021.11.22 #30445

RESOLVED ISSUES AND KNOWN LIMITATIONS

Resolved Issues

This release resolves the following issues:

Redmine #	Subject
29409	Resolved Worklists issue where the document distribution history for reminder letters was incorrect.
29735	Resolved Insurance Eligibility issue where the red ! validation indicator was not displayed when DOB was missing.
29768	Resolved Provider Workflow Create Order issue where selecting "I do not wish to select an insurance or payment method for the patient" did not generate an Electronic Referral.
29778	Resolved Inbound Document issue where the Attach Inbound Documents worklist WL was not displaying SecurePic site or document type.
29870	Resolved Walk-In issue where creating a walk-in with an existing order was not creating a procedure picker row for the new order.
29969	Resolved Portal Localization issue for text used in the Send Exam Access Invitation workflow.
30633	Resolved Insurance Eligibility issue where co-insurance and co-pay were not displayed.
30691	Resolved Insurance Eligibility issue where Medicare "Eligible.com" connections returned a subscriber gender error.
30692	Resolved Insurance Eligibility issue where special character like '(' in medical group rule strings returned an error.
30805	Resolved Utilization Management issue where UM was not triggered for some EMR orders.
30817	Resolved Provider Workflow Create Order issue where the "RP Allow Scheduling Flag" was not preventing scheduling in the Referring Portal.
30818	Resolved Radiology Reporting issue where Report Assistant values were not being saved from the Radiology screen.
30819	Resolved Provider WF Create Order issue where Electronic Order documents generated from the Portal included only the first procedure description.
30857	Resolved RADAR issue where clicking a SecurePIC popup alert was not always responding as expected.
30910	Resolved Peer Review issue where Forced Peer Review was not functioning.
30919	Resolved Provider Orders Page issue where values displayed in the Pending Order banner were stale.
30932	Resolved Drawing Tool issue memory leak issue when using drawing tool.
30944	Resolved Drawing Tool issue where existing markings were not displayed when using an order level form with prefill rules enabled.
31040	Resolved Scanning issue where the value in the scanned document Type dropdown was resetting after a scan.
31087	Resolved Provider UM issue where scheduling Additional UM Order Patient Portal loses UM details on original procedure
31099	Resolved Scheduling issue where time slots were off by 5 minutes when multiple modalities were selected.
31103	Resolved Scheduling issue where exams of the same modality type were being scheduled in separate rooms.

New Known Limitations

The following new Known Limitations were identified with this release:

- **BUG #31008** - PEER REVIEW COUNTER DISPLAY ISSUES DUE TO SCREEN RESOLUTION
- **BUG #31109** - UM ORDER SCHEDULED IN PATIENT PORTAL VIA INVITATION RESULTS IN AN EXTRA ROW ON THE UM SCREEN
- **BUG #31042** - EMR ORDER ON WALKIN MAY NOT HAVE ORDERED PROCEDURE DESCRIPTION


















The following items are all related to the Provider Admin - Training Material feature:

- **BUG #31072** - PREVIEWING ADDED TRAINING MATERIAL WILL PREVIEW FIRST ONE ADDED
- **BUG #31080** - ADDING NEW CONTENT FOR A TYPE AND TITLE THAT ALREADY EXISTS MAY UPDATE THE CURRENT ONE.
- **BUG #31085** - PREVIEWING TYPE OF IMAGEVIEWER WILL THROW EXCEPTION
- **BUG #31086** - PREVIEWING TRAINING MATERIAL AND SELECTING ACCOUNT WILL THROW EXCEPTION
- **BUG #31079** - MISSING CONFIRMATION MESSAGE ON DELETE
- **SLUSH #31077** - DOCUMENT DOWNLOAD OPTION RETURNS EXCEPTION WHEN ATTEMPTING TO VIEW AND NO DOCUMENT IS ATTACHED
- **SLUSH #31074** - CREATE TYPE OF DOCUMENT DOWNLOAD EDIT WINDOW IS NOT CORRECT

VERSION DETAILS

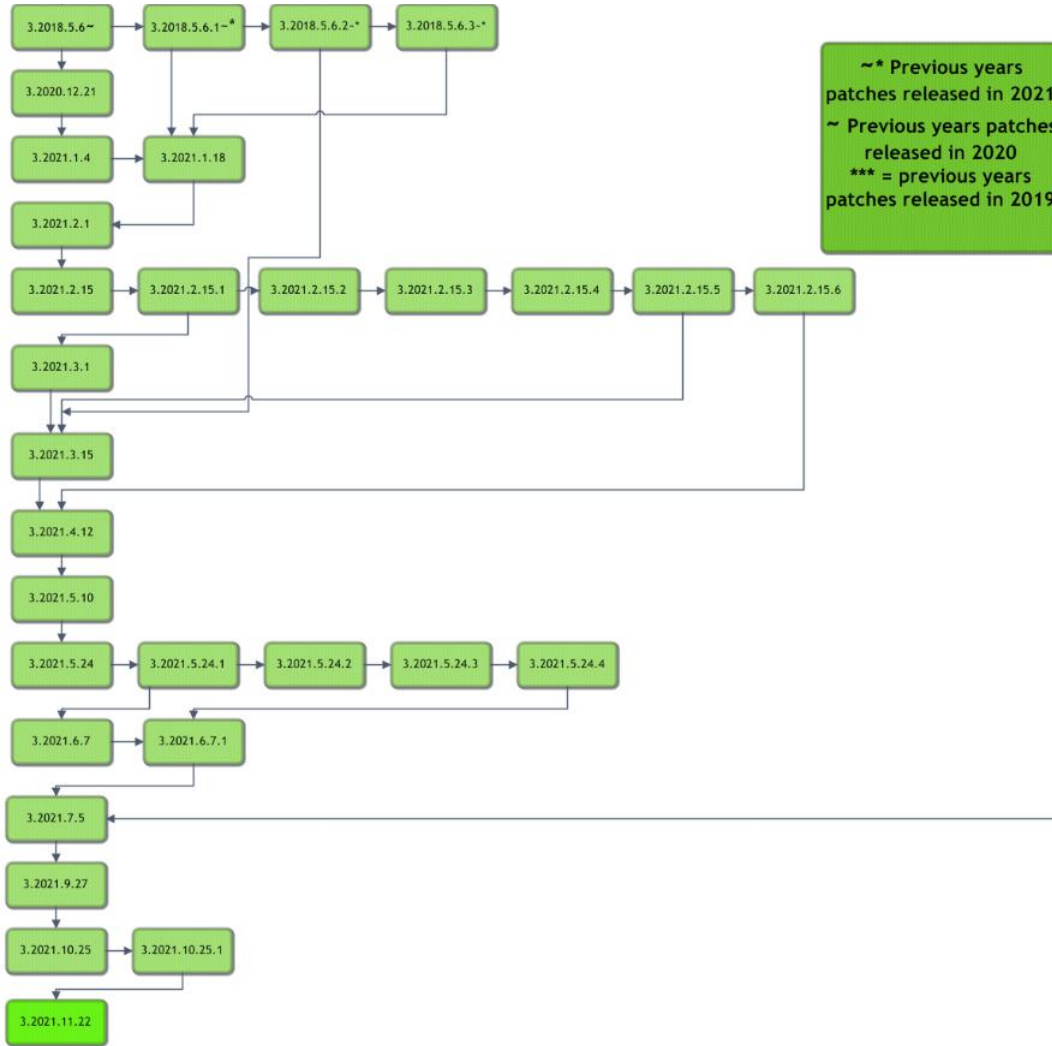
Package Contents

The release package includes the following folders:

 @Hotfixes	4/20/2012 8:51 AM
 _Documentation	11/25/2021 8:16 AM
 _ReleaseNotes	11/25/2021 3:22 PM
 Client Application	11/25/2021 8:15 AM
 DB	11/25/2021 8:15 AM
 External WebAPI	11/25/2021 8:15 AM
 Identity Service	11/25/2021 8:15 AM
 Management Reports	11/25/2021 8:15 AM
 PACS Citrix Bridge	11/25/2021 8:16 AM
 RIS Service	11/25/2021 8:15 AM
 Service Tools	11/25/2021 8:17 AM
 Web Digital Forms	11/25/2021 8:15 AM
 Web Patient Connect	11/25/2021 8:16 AM
 Web Referring Connect	11/25/2021 8:16 AM
 Web UM Connect	11/25/2021 8:16 AM
 Build_2021.11.22.zip	11/25/2021 8:18 AM
 RISServerMasterCert.pfx	3/31/2016 1:38 PM

Code Stream

The following source code branches have been merged into this release:



LEGEND:

- Light Green = Previously Released software
- Gray = Internal version, non-release version
- Bright Green = Current Release

eRAD RIS Release Version Numbers

The following table details the version identifiers for components in this release:

Build	Patch	UI Version	Core Version	WS Version	DB Version	Digital Forms	Patient Portal	UM Portal	Provider Portal	Notes
2018.5	6	3.18.5.6(3GB)	3.18.5.6	3.18.5.6	3.18.5.6.0.02571320	3.18.5.6.0	3.18.5.6.0.1050	3.18.5.6.0.1050	3.18.5.6.0.1050	Full version release
2018.5	6.1	3.18.5.6.1(3GB)	3.18.5.6.1	3.18.5.6.1	3.18.5.6.1.02601339	3.18.5.6.1	3.18.5.6.1.1070	3.18.5.6.1.1070	3.18.5.6.1.1070	GUI, Web Services, DB, Patient/Provider/UM Portals and Digital Forms
2018.5	6.2	3.18.5.6.2(3GB)	3.18.5.6.2							GUI
2018.5	6.3	3.18.5.6.3(3GB)	3.18.5.6.3	3.18.5.6.3	3.21.5.10.002823110					GUI and Webservices
2020.12.21	-	3.20.12.21.0(3GB)	3.18.5.6	3.20.12.21.0	3.20.12.21.0.02608693	3.20.12.21.0	3.20.12.21.0.897	3.20.12.21.0.897	3.20.12.21.0.897	Full version release
2021.1.4	-	3.21.1.4.0(3GB)	3.21.1.4				3.21.1.4.0.1075	3.21.1.4.0.1075	3.21.1.4.0.1075	GUI and Patient/Provider/UM portals
2021.1.18	-	3.21.1.18.0(3GB)	3.21.1.18	3.21.1.18.0	3.21.1.18.002652234	3.21.1.18.0	3.21.1.18.0.1081	3.21.1.18.0.1081	3.21.1.18.0.1081	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.2.1	-	3.21.2.1.0(3GB)	3.21.2.1	3.21.2.1.0	3.21.2.1.002672074	3.21.2.1.0	3.21.2.1.0.1090	3.21.2.1.0.1090	3.21.2.1.0.1090	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.2.15	-	3.21.2.15.0(3GB)	3.21.2.15	3.21.2.15.0	3.21.2.15.002698266	3.21.2.15.0	3.21.2.15.0.1111	3.21.2.15.0.1111	3.21.2.15.0.1111	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.2.15	1	3.21.2.15.1(3GB)	3.21.2.15.1	3.21.2.15.1		3.21.2.15.1	3.21.2.15.1.1113	3.21.2.15.1.1113	3.21.2.15.1.1113	GUI, Web Services, Patient/Provider/UM portals and Digital Forms
2021.2.15	2	3.21.2.15.2(3GB)	3.21.2.15.2	3.21.2.15.2		3.21.2.15.2	3.21.2.15.2.1122	3.21.2.15.2.1122	3.21.2.15.2.1122	GUI, Web Services, Patient/Provider/UM portals and Digital Forms
2021.2.15	3	3.21.2.15.3(3GB)	3.21.2.15.3							GUI
2021.2.15	4	3.21.2.15.4(3GB)	3.21.2.15.4	3.21.2.15.4	3.21.2.15.402732838	3.21.2.15.4	3.21.2.15.4.1133	3.21.2.15.4.1133	3.21.2.15.4.1133	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.2.15	5	3.21.2.15.5(3GB)	3.21.2.15.5	3.21.2.15.5	3.21.2.15.502738557					GUI, Web Services and DB
2021.2.15	6	3.21.2.15.6(3GB)	3.21.2.15.6	3.21.2.15.6						GUI and Web Services
2021.3.1	-	3.21.3.1(3GB)	3.21.3.1	3.21.3.1	3.21.3.1.002712308	3.21.3.1	3.21.3.1.0.1119	3.21.3.1.0.1119	3.21.3.1.0.1119	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.3.15	-	3.21.3.15(3GB)	3.21.3.15	3.21.3.15	3.21.3.15.002747230	3.21.3.15	3.21.3.15.0.1144	3.21.3.15.0.1144	3.21.3.15.0.1144	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.4.12	-	3.21.4.12(3GB)	3.21.4.12	3.21.4.12	3.21.4.12.002778929	3.21.4.12	3.21.4.12.0.1167	3.21.4.12.0.1167	3.21.4.12.0.1167	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.5.10	-	3.21.5.10(3GB)	3.21.5.10	3.21.5.10	3.21.5.10.002823110	3.21.5.10	3.21.5.10.0.1189	3.21.5.10.0.1189	3.21.5.10.0.1189	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.5.24	-	3.21.5.24(3GB)	3.21.5.24	3.21.5.24	3.21.5.24.002842120	3.21.5.24	3.21.5.24.0.1205	3.21.5.24.0.1205	3.21.5.24.0.1205	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.5.24	1	3.21.5.24.1(3GB)	3.21.5.24.1	3.21.5.24.1	3.21.5.24.102880695	3.21.5.24.1	3.21.5.24.1.1224	3.21.5.24.1.1224	3.21.5.24.1.1224	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.5.24	2	3.21.5.24.2(3GB)	3.21.5.24.2	3.21.5.24.2	3.21.5.24.202923248	3.21.5.24.2	3.21.5.24.0.1244	3.21.5.24.0.1244	3.21.5.24.0.1244	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.5.24	3	3.21.5.24.3(3GB)	3.21.5.24.3	3.21.5.24.3	3.21.5.24.302932869	3.21.5.24.3	3.21.5.24.0.1252	3.21.5.24.0.1252	3.21.5.24.0.1252	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.5.24	4	3.21.5.24.4(3GB)	3.21.5.24.4	3.21.5.24.4	3.21.5.24.402961496	3.21.5.24.4	3.21.5.24.0.1260	3.21.5.24.0.1260	3.21.5.24.0.1260	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.6.7	-	3.21.6.7(3GB)	3.21.6.7	3.21.6.7	3.21.6.7.002898418	3.21.6.7	3.21.6.7.0.1234	3.21.6.7.0.1234	3.21.6.7.0.1234	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.6.7	1	3.21.6.7.1(3GB)	3.21.6.7.1	3.21.6.7.1	3.21.6.7.102961651	3.21.6.7.1	3.21.6.7.1.1262	3.21.6.7.1.1262	3.21.6.7.1.1262	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.7.5	-	3.21.7.5(3GB)	3.21.7.5	3.21.7.5	3.21.07.5.002970391	3.21.7.5	3.21.7.5.0.1266	3.21.7.5.0.1266	3.21.7.5.0.1266	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.9.27	-	3.21.9.27(3GB)	3.21.9.27	3.21.9.27	3.21.9.27.003025038	3.21.9.27	3.21.9.27.0.1280	3.21.9.27.0.1280	3.21.9.27.0.1280	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.10.25	-	3.21.10.25(3GB)	3.21.10.25	3.21.10.25	3.21.10.25.003071251	3.21.10.25	3.21.10.25.0.1317	3.21.10.25.0.1317	3.21.10.25.0.1317	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.10.25	1	3.21.10.25.1(3GB)		3.21.10.25.1		3.21.10.25.1				Portals
2021.11.22	-	3.21.11.22(3GB)	3.21.11.22	3.21.11.22	3.21.11.22.003102803	3.21.11.22	3.21.11.22.0.1334	3.21.11.22.0.1334	3.21.11.22.0.1334	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms