eRAD RIS

RELEASE ANNOUNCEMENT

Build 4.2024.094

UPDATED SEPTEMBER 23, 2024

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PUBLICATION HISTORY

Revision	Author	Description
September 23, 2024	Kevin Brooks, Michelle Mahabir / Hilary Saltmarsh	▪ Commercial release.

SUMMARY

Release Announcement

This release of ERAD RIS 4.2024.094 extends the capabilities of the RIS Automation API and SignalR messaging framework to allow development of real-time integrations between eRAD RIS and external systems.

New Features

This release introduces the following features and enhancements:

Category	Redmine #	Subject	Description
Integration	35869	Support RIS automation via SignalR	This enhancement to Integration extends the capabilities of the RIS Automation API and SignalR messaging framework to allow development of real-time integrations between eRAD RIS and external systems, such as the capability to integrate with Patient360.

SORTED BY CATEGORY AND REDMINE

Refer to the FEATURE DETAILS section below for configuration and usage information.

FEATURE DETAILS

Integration

Feature #35869 – Support RIS automation via SignalR

Summary

This enhancement to Integration extends the capabilities of the RIS Automation API and SignalR messaging framework to allow development of real-time integrations between eRAD RIS and external systems, such as the capability to integrate with Patient360.

Background

SignalR is an open-source, real-time messaging framework developed by Microsoft that allows developers to build interactive and dynamic applications that instantly push data between servers and connected clients.

In efforts to make workflows that involve multiple systems more efficient, a combination of the Patient Search API, the Stored Procedure API, and this new SignalR messaging framework will allow information to pass between systems.

Feature Description

With this change, an updated messaging framework now provides the eRAD RIS Thick Client the capability to both pass information to RIS to populate and save various fields, as well as retrieving patient details such as recent contact information from RIS.

The first use of this functionality will be to integrate with Patient360, to perform actions such as clicking a button in that external system to trigger an action in RIS such as opening the Patient Folder or Schedule Order screen, as well as retrieving patient details such as recent contact information from RIS to display in Patient360.

When this service is enabled via the new `StartRISAutomationAPIService` configuration setting, users with the new `Clinical.AutomationAPI` permission will be able to use this functionality.

With this initial release, the following functions are available:

- `OpenPatientFolder`
- `OpenScheduleOrder` for an existing patient
- `OpenScheduleOrder` for a new patient
  - Passing a `PatientKey` of `-1` opens `Schedule Order` for a new patient.
  - Passing parameters for name, date of birth, address, mobile phone, and email will pre-populate corresponding fields.
  - If SF_Patient_ID is passed, RIS will add a `PatientExtraInfo` field with the code `health_cloud_id` and set the value passed in the message.

Notes:

- These functions are read-only; the only database values in RIS that will be directly updated are audit values.

Date	Action	Description
Equals: ▼	Contains: ▼	Contains: ▼
09-20-2024 10:18 AM	Patient folder retrieved	
09-20-2024 10:18 AM	Patient retrieved	

- Message de-duplication is included. This protects against a user double-clicking to launch the integration by ignoring a message received within 20 seconds of a previous message with the same patient_key, action, and payload.

- Messages will only be delivered if the user is logged in to RIS in the specified system.

Service Team Upgrade Instructions

The Service Team must complete the following actions to deploy this feature:

Web Services

Changes to applicationsettings.config

- Enable this feature by setting `StartRISAutomationAPIService` = `True`.
- Also confirm the required `StartRISAutomationAPIService` = `True`.

Configuration Instructions

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

RIS Client

Changes to AccessString Lookup Table Settings

- Set `Clinical.AutomationAPI` permissions to `Full` for authorized users or user groups.

The following related settings were added or updated:

Setting	Default	Purpose
Clinical.AutomationAPI	Value=[None|Full], Default=[None]	Enables the "RIS Automation" framework. When [None], the API interface is disabled for that user. Updated by #35869

VERSION DETAILS

Code Stream

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