The Release Team Verification Suite (RTVS)

Overview

The Release Team Verification Suite(RTVS) is a curated set of tools that can be used to validate different parts of the Cozeva website. This includes expected navigations, quick preliminary checks and recurring data validation.

In addition, the RTVS features a multitude of specific feature checks that can be run independently and results can be generated accordingly. All reports are stored inside " C:\Verification Reports"

System requirements

- Windows 8/10/11
- Git (Install instructions here)
- Python 3.9 or 3.10 (Install instructions here)

How to use the RTVS - Modules

First time setup

- You should run this module when an update is released.
- Ideally running this module once in a while is a healthy habit.

Verification Suite

A tool designed for release team members as a holding ground for every stray script. The suite itself features complete verification of every commonly used Cozeva feature. The suite is modular, can be customized on client, role and username and extent of features to be verified.

Usage

To get started,

- Click on **"Verification Suite"**
- Select a Customer from the Dropdown
- Choose between Cozeva, Analytics or Both under context
- Choose a Configuration style (Default or Custom)
- On Default, the tool will launch a browser and navigate through Cozeva. A report of the test will be generated in **C:/Verification Reports**
- On Custom, The next page will list the available roles and the default usernames. the usernames and the roleset can be changed by editing the boxes. Specific sections for verification can be selected from the next page.

The New Launch module

This module was designed on the suite framework. Making use of its modular design to create multiple bundles with a focus on testing the limits of a new client go live.

The New client verification suite is designed to identify and act on critical missteps in client implementations. The suite takes a tour across the new tenancy, validating nearly every aspect of a standard implementation. The suite acts fast, within an hour of the go live validating clickable links, the coding tool, stickets, medication charts and syncing up with the Cozeva market. This enables us to act all the faster, reporting and having errors fixed at the earliest.

If the "New launch config" is selected, you will find yourself in this module where you can select validation parameters and a field for client ID.

HCC Validation Multi-client

This module is used to validate HCC measures such as RCC, RSC, HCC score, etc. The module validates total summation scores in the MSPL and clinical / suspect scores in the patient dashboard.

Global Search

This module is used test global searching using a large number of test strings. Mostly used to check performance.

Task Ingestion

Used to validate all tasks added through ingestion. Just add all the tasks in the text box line-by-line and choose the type of task (Quality, HCC, AWV)

Analytics

Uses the default Schema and validates All workbooks and all lob filters.

The default schema can be edited in the "Verification suite" > Analytics verification > Custom config

Slow Log Trends

Generates trend charts for slow running procs for a defined date range.

This module needs all slow log csv files placed into C:\Slow_log_data folder

Multirole Access Check

Runs through a predefined set of usernames and validates access, counts, expected data reflection, global search and engagement score for each user

Special Columns

Goes through a predefined set of measures and validates data presence in a few measure specific columns from the MSPL.

    The following measures and the respective columns are validated.

Measure	Column Name
RCC	Last visit (!)
RSC	Last visit (!)
BCS	Last Test & Last test type
COL	Last Test & Last test type
CHL	Denominator Eligibility
PPC	Denominator Events
TRC	Denominator Events
CDC	Test Result
CIS	Immunization
WCV	Remaining
AWV	Last Test Type
PDC	Fall in/out
OMW	Denominator Eligibility
COMBO10	Remaining

Hospital Activity

Validates the hospital activity page of all clients and reports clients that have no data or access issues.

Supplemental Data Addition

Validates Supplemental data addition for Quality measures BCS, CCS, COL, HBD1 and HBD2. This tool will add compliant data, check for compliance and reflections in relevant lists before deleting and checking negative reflection. If manual intervention is needed, the report will specify the taskID and provide the Link for manual user action.

Confirm/ Disconfirm (WIP)

Theres nothing here really. Click it for a game.

Install Instructions

Easy mode

1. Paste the RTVS Installer in an empty folder.
2. Double click it and wait
3. (Optional)Go into the newly created "Release-team-verification-suite" and take the RTVS_Master.py and create a shortcut on desktop
4. **Run RTVS_master.exe to get started**

Install from source

1. Navigate to any empty folder and right click > git bash here
2. In the terminal, paste the following

Install code

git clone https://github.com/CozevaQA/Release-Team-Verification-Suite

3. Close the terminal once the install is over and navigate into the **Release-team-verification-suite** folder > right click **(Win 11 users might have to click on show more options first)** > Git bash here > Paste the following

Install External Modules

pip install selenium==4.2 pillow numpy babel mysql mysqlx pandas matplotlib xlrd xlwt base64 timeit termcolor openpyxl sigfig

4. (Optional) You can right click the RTVS_master.exe file and create a shortcut wherever for ease of use
5. **Run RTVS_master.exe to get started**

Update RTVS

Click on **check for updates** to update RTVS to its latest version.