Cypress™

Cypress Tech Talk

September 24, 2019

MITRE

The Office of the National Coordinator for
Health Information Technology

CMS
CENTERS FOR MEDICARE & MEDICAID SERVICES

Agenda

- Software Updates
  - Cypress 5.0.1 Patch Release
    - Measure Logic Highlighting
    - Status updates for long running uploads
    - C2 test returning "Internal Error" message
    - Patient Import Fails when missing Low value
  - Cypress 4.0.4 Patch Release
    - QRDA Import/Export updates
- Cypress Versions
- Open Discussion
- Contact Information

Software Update
Cypress 5 Releases

- Cypress 5.0.1 was released on Thursday, August 29th
  - https://github.com/projectcypress/cypress/wiki/Cypress-5.x-Upgrade-Instructions

- **Cypress Features**
  - Measure Logic Highlighting for vendor provided test patients.
  - Increased granularity of status message for bundle and vendor patient uploads.

- **Cypress Bugs Addressed**
  - Internal Error returned by Cypress instead of error message for incorrect population counts. (CYPRESS-1785)
  - Patient Import Fails when missing Low value. (CYPRESS-1785)

Software Update
Measure Logic Highlighting

- **CVU+ is being updated to display eCQM calculation and Measure Logic Highlighting for uploaded developer-generated test patients**

Software Update
Status updates for long running uploads

- **Current the Bundle upload and Vendor Patient upload can take a long time**

  - Original status messages

    Current Vendor Uploads

File	Status	
0_Alexander_Mcgee.xml.zip	working ⟳	Importing

  - Updated status messages

    Current Bundle Import Jobs

File	Status	
bundle-2019.zip	working ⟳	Calculating (3 of 59 measures complete)

    Current Vendor Uploads

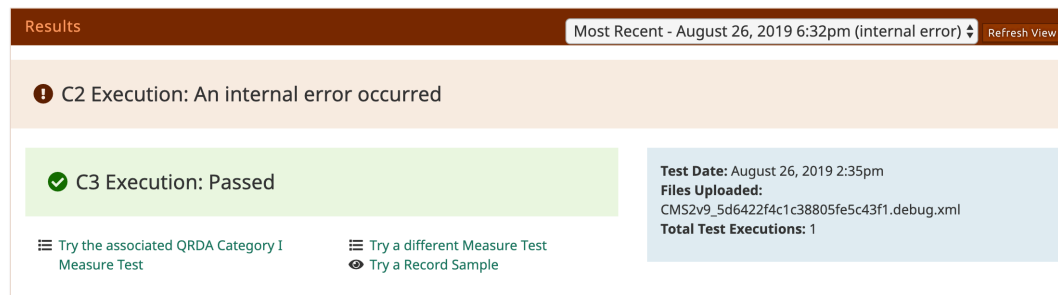 | File | Status | |
    |------|--------|---|
    | Archive.zip | working ⟳ | Calculating (18% complete) |

Software Updates
Internal Error returned by Cypress instead of error message (CYPRESS-1785)

- **C2 test returning "Internal Error" message**
  - This error message is being returned when 'expected' population counts do not match 'reported' population counts

- **The error message should appear as below**
  - Will be fixed in 5.0.1 patch release

Software Updates
Patient Import Fails when missing Low value (CYPRESS-1785)

- **Cypress Patient Import fails when an interval's low value is missing or unknown**
  - Will be fixed in 5.0.1 patch release

Errors and Warnings

✗ 1_Amanda_Copeland.xml ❶ ◄ 1_Amanda_Copeland.xml - 1 errors and warnings

View Uploaded XML with Errors

QRDA (0) **Reporting (1)** Submission (0) CMS Warnings (0) Other Warnings (0)

Error message **Go To in XML**

File failed import

```
<!-- QDM Attribute: Relevant Period -->
<effectiveTime>
  <low nullFlavor="UNK"/>
  <high nullFlavor="UNK"/>
</effectiveTime>
```

Software Updates
Cypress 4.0.4 Patch Release

- Cypress 4.0.4 patch release is planned for Thursday, October 3rd

- Cypress 4.0.4 patch release will include updates to QRDA Import and Export:
  - Use an id's Root and Extension to determine uniqueness
  - "Low" values in a time range can use nullFlavor
  - Quantities can use decimal values
  - Exported Medication units should be valid UCUM values

- Cypress 4.0.4 patch release will enforce the "Guidance for Reason Template Placement When Specifying 'Not Done' with a Reason" published September 20, 2019.
  - https://ecqi.healthit.gov/now-available-updated-2019-cms-qrda-i-ig-and-sample-file-hospital-quality-reporting-and-guidance-not-reporting-value-set-oids

Cypress Versions

Version	Dates	Measures Supported
V4.0.3	May 2, 2019	Latest version supporting eCQMs for the 2019 Reporting/Performance Period and CQL. Fixes record sample and other 4.0.2 bugs.
V4.0.4	October 3, 2019*	QRDA bug fixes
V5.0.0	July 25, 2019	Latest version supporting eCQMs for the 2020 Reporting/Performance Period and CQL.
V5.0.1	August 29, 2019	

Bundle Version	Dates	Features
2018.1.0	October 11, 2018	**Cypress v4 only** CQL-based measures released in 2018 for the 2019 reporting year eCQM Value Sets as of 9/17/2018.
2019.0.1	July 25, 2019	**Cypress v5 only** CQL-based measures released in 2019 for the 2020 reporting year eCQM Value Sets as of 5/10/2019.

*Planned Date

MEASURE HIGHLIGHTING DEMO

OPEN DISCUSSION

Next Cypress Tech Talk

- Tuesday, October 8, 2019 at 1pm ET
- To join online, visit: https://global.gotomeeting.com/join/529898157
- To join via phone, dial: 1-646-749-3122
- Meeting Number: 529 898 157
- Meeting link, as well as a calendar event file, available at:
  - https://www.healthit.gov/cypress/techtalks.html

Notes

- **Completed Webinars will be posted on the Cypress website on the Tech Talks tab**
  - https://www.healthit.gov/cypress/techtalks.html

- **Send questions and feedback to the Cypress Talk List at**
  - project-cypress-talk@googlegroups.com

- **Report bugs and issues to the Cypress JIRA at**
  - https://oncprojectracking.healthit.gov/support/browse/CYPRESS