

eHealth Exchange™

Content Testing Tools User Guide

This guide is to be used with the eHealth Exchange enhanced content test program launched on February 5, 2018

Version 3.0

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Step #1 – Submit Content Testing Survey/Application

Complete the PDF or online survey found here:

<https://ehealthexchange.org/testing-program/content-testing/>

- **Required** to gain access to tooling
- One form per organization identifying all users to be added for testing
 - **Name, email, phone**
- Asks for all source systems expected to be tested
- Asks for additional details useful for trading partners to know
 - Some details may be published in the eHealth Exchange Directory in the future
- Requests or updates or New users after initial request
 - Submit new form w/additions to testing@ehealthexchange.org

Step #2 – Activate Account

- Sequoia Staff create your organizational account and send activation emails to new users
- User IDs will be first initial + last name or some variation
- New Users must select hyperlink in activation email received from testing@ehealthexchange.org

User ID Dear **New User** (Organization name),

Your administrator just created an account for you on Gazelle.

You need to click the following link to confirm the validity of your e-mail address and to activate your account with the username :
'didid'.
<https://validation.sequoiaproject.org/gazelle/firstUserRegistration.seam?activationCode=b371efeb29ce698e8ab353adff711ed1>

You will be prompted to change your password on Gazelle.

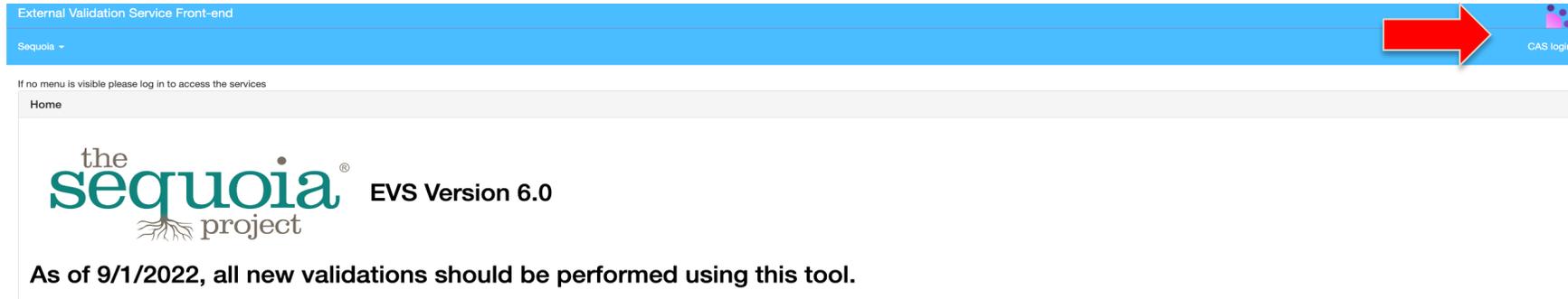
Didi Davis

Each new user will receive an email from testing@ehealthexchange.org similar to below with their name and organization and username ID:

Each new user must click the URL link to confirm validity of email
This will prompt you to set your new account password

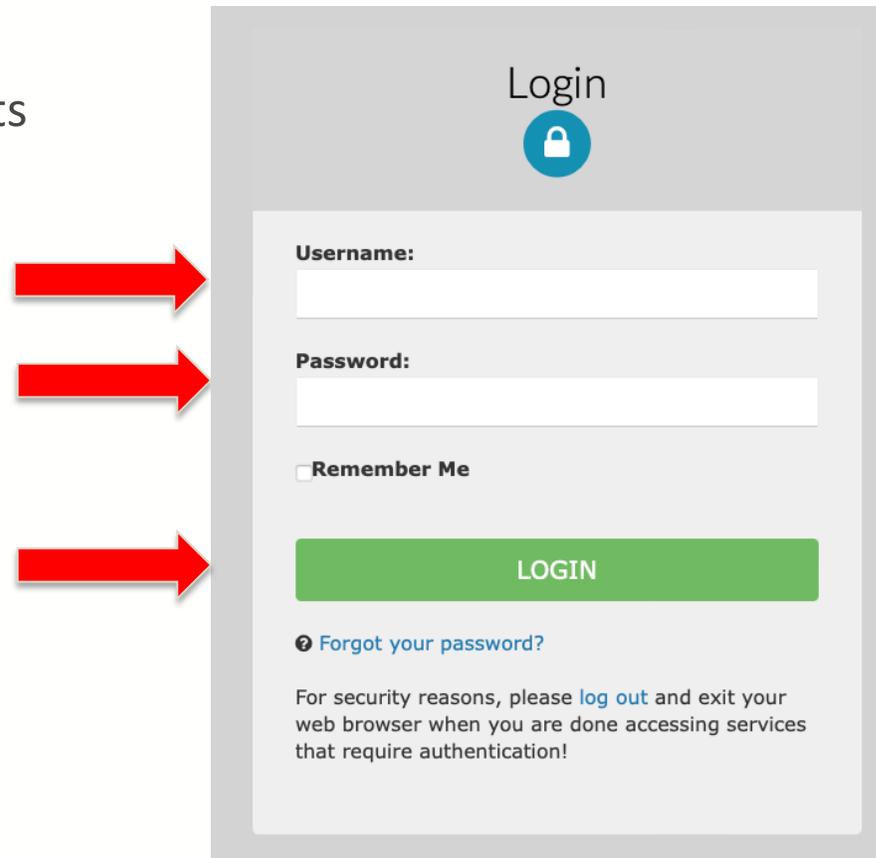
Access Tooling/Login

1. Visit <https://gazellecontent.sequoiaproject.org/evs/home.seam>
2. Click CAS Login



Have Credentials Already?

- If you have already been granted access to the tooling, type your user ID and password to gain access and click login
- Begin validation of your clinical documents



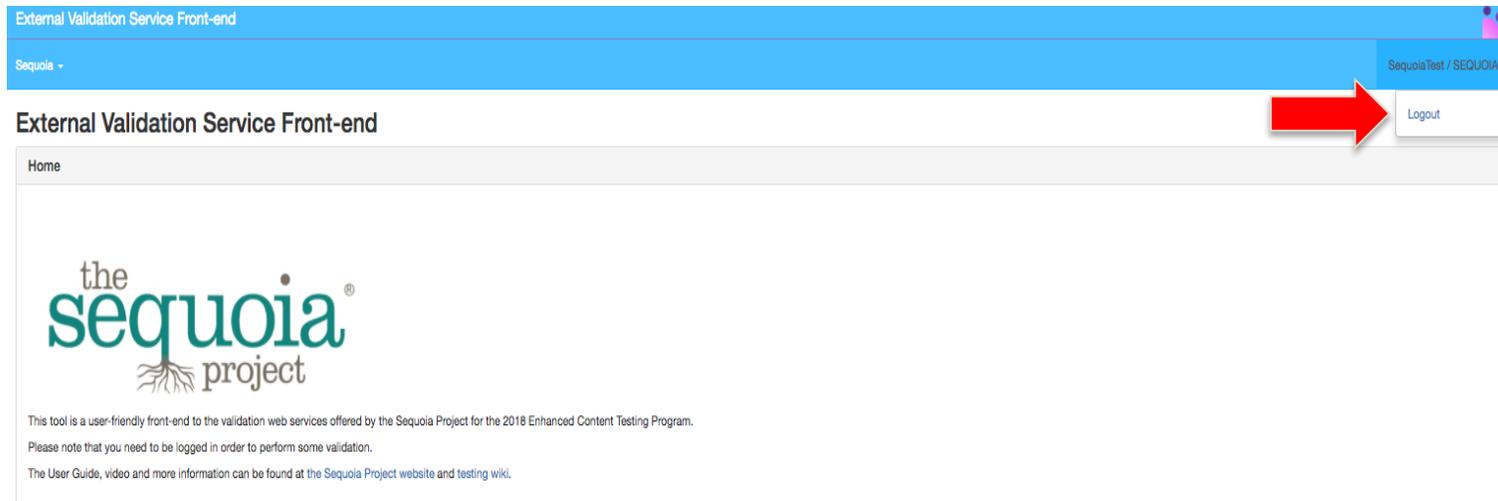
The image shows a login form titled "Login" with a blue padlock icon. The form contains the following elements:

- Username:** A text input field.
- Password:** A text input field.
- Remember Me**
- LOGIN** button (green background, white text)
- [Forgot your password?](#) (blue text with an eye icon)
- Security notice: "For security reasons, please [log out](#) and exit your web browser when you are done accessing services that require authentication!"

Three red arrows point from the left towards the Username, Password, and LOGIN button fields.

Logoff Tooling

- Once you have completed testing, it is advised to logout of your session and close any open windows. Reminder that this tooling does open sequential windows at times for one document validation depending on your navigation. This is meant for convenience.
- To logout do this and close all windows from testing:



DO NOT Use Create an account Feature

Sequoia will not be able to match new users to organizations using this method



CAS – Central Authentication Service For

Sequoia Project Conformity Assessment Testing

A screenshot of a login form titled 'Enter your Gazelle id and password'. It contains two input fields: 'ID:' and 'Password:'. Below the fields is a checkbox labeled 'Warn me before logging me into other sites.' At the bottom of the form are three elements: a 'LOGIN' button, a 'clear' link, and a blue underlined link 'Create an account'. A red arrow points from the left towards the 'Create an account' link. Below the form is another blue underlined link 'Retrieve lost password'.

For security reasons, please Log Out and Exit your web browser when you are done accessing services that require authentication!

Retrieve/Reset Password Step 1 - Request

1. If you have lost or forgotten your password, retrieve your lost password.
2. Email will be received from Testing@ehealthexchange.org with a subject of **“Gazelle – Password assistance”**
3. Click on link received from email to complete reset password process



CAS – Central Authentication Service For

Sequoia Project Conformity Assessment Testing

A screenshot of the CAS login form. It has a title 'Enter your Gazelle id and password'. There are two input fields: 'ID:' and 'Password:'. Below the password field is a checkbox labeled 'Warn me before logging me into other sites.' At the bottom, there are buttons for 'LOGIN' and 'clear', and two links: 'Create an account' and 'Retrieve lost password'. A red arrow with the number '1' points to the 'Retrieve lost password' link.

Dear **New User** (**Organization name**),

Click on the following link to change your password :
<https://validation.sequoiaproject.org/gazelle/changeHEPassword.seam?changePasswordCode=36c1773db5a9603e46f6c7211d695407>

Didi Davis

**Click the URL link in the email received
This will prompt you to set your new
account password**

For security reasons, please Log Out and Exit your web browser when you are done accessing services that require authentication!

Retrieve/Reset Password Step 2 - Request Email Received

- Once you receive the email for your password reset you will need to click on the hyperlink within the email and complete the following steps:
- Reset/Enter your new password and confirm a second time
- Press Save
- **NOTE: You will be redirected after this reset and will need to navigate to back to the content machine URL to access the tooling with your new password**
 - <https://gazellecontent.sequoiaproject.org/evs/home.seam>

Gazelle
TF ▾ Create an account Sign-in CAS Sign-in

Change password

Please update your password

Username: Serendipity

NEW Password *

NEW Password confirmation *

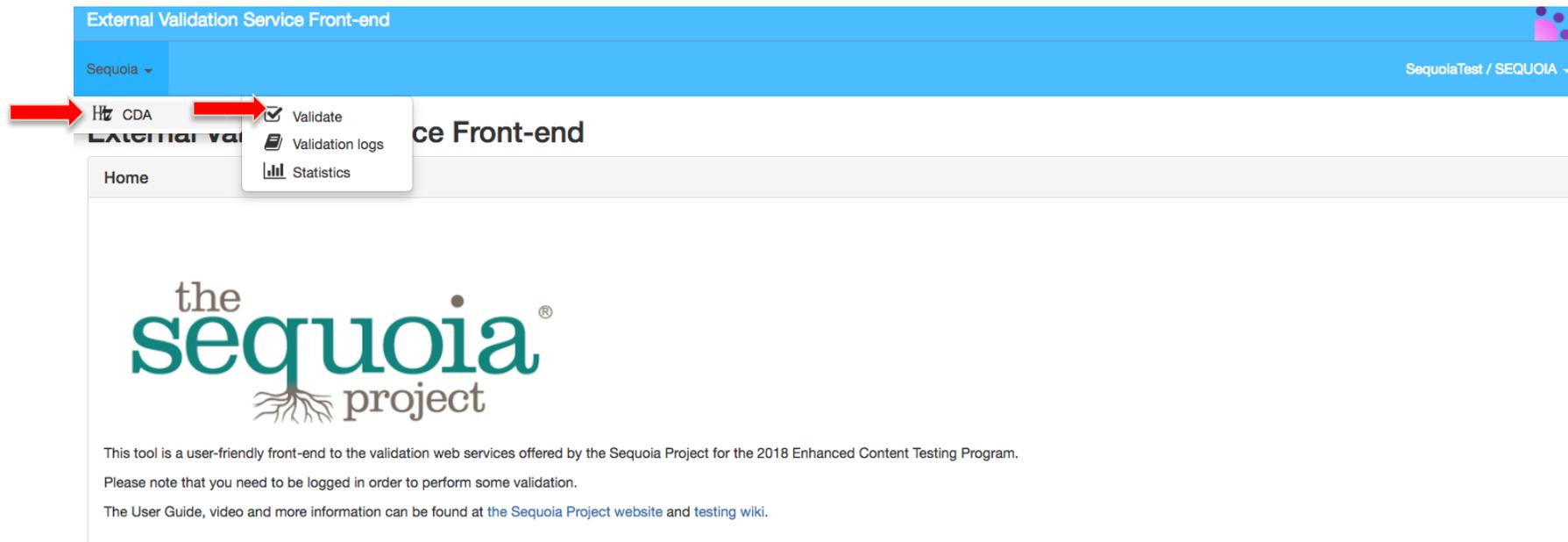
* required fields

Save Cancel

Enter password and confirm and save

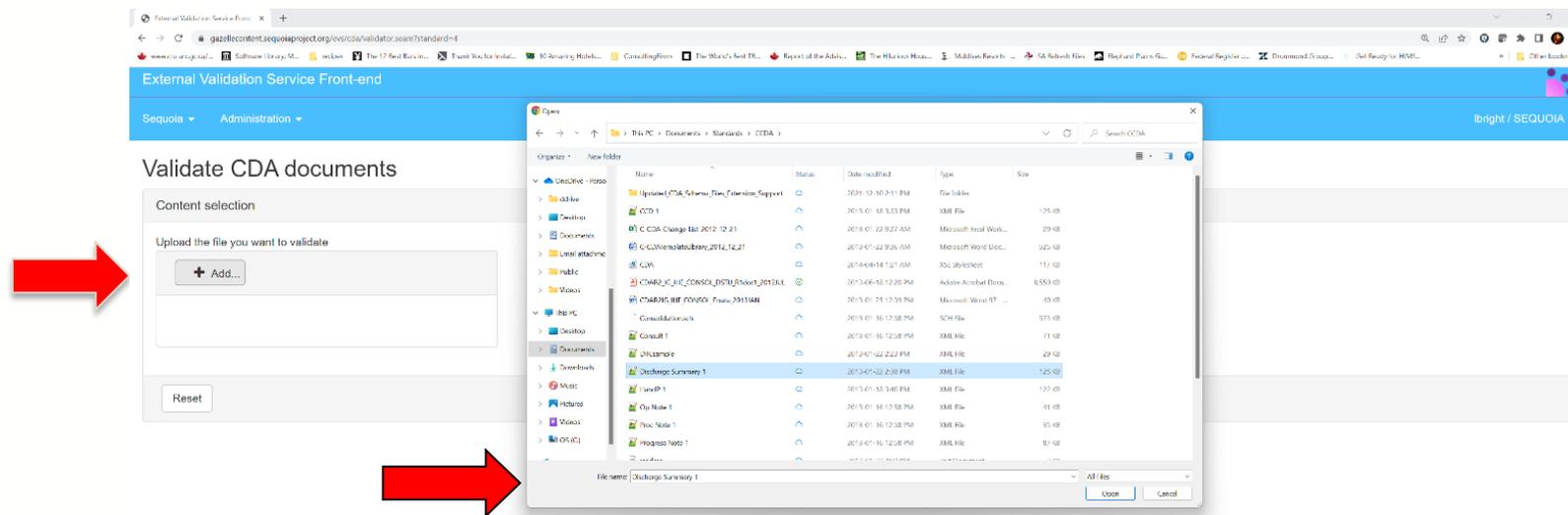
Validate a CDA/CCDA Document – Step 1

- Access the tooling <https://gazellecontent.sequoiaproject.org/evs/home.seam>
- Once logged into the tooling, navigate to the upper left corner of the application and select validate as shown below:



Validate a CDA/CCDA Document – Step 2

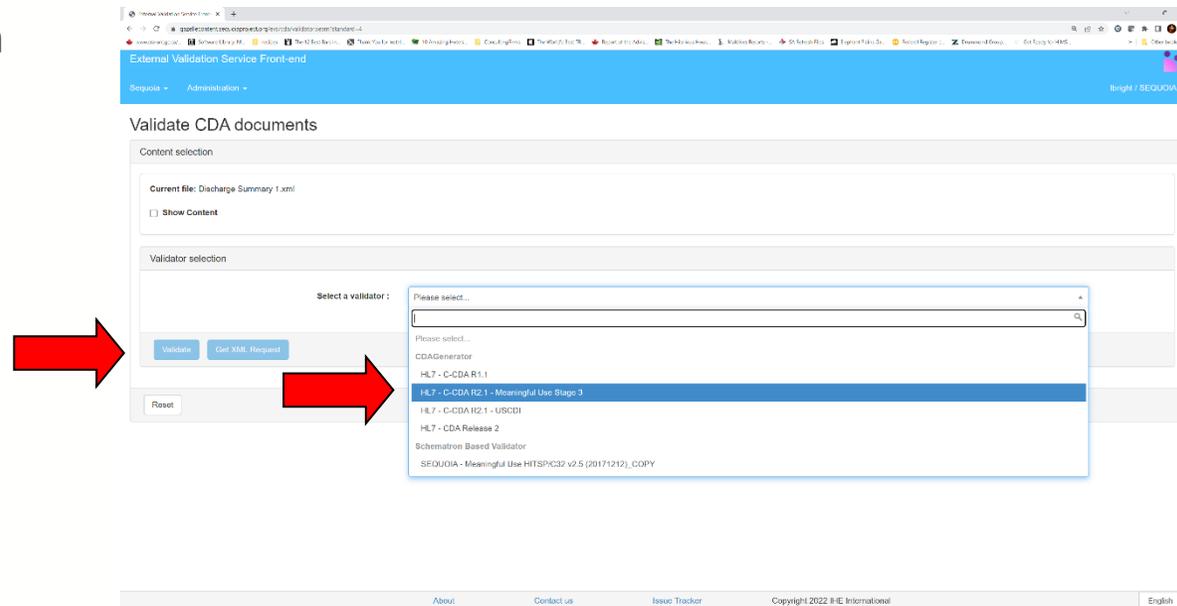
- Select Add button and choose document you wish to upload from your local storage.



Validate a CDA/CCDA Document – Step 3

Select appropriate validation for your version of document

- A. For MU 2011 Edition: choose schematron/MU HITSP 32
- B. For MU 2014 or 2015 Edition: choose Model Based Validation and R1.1 or R2.1
- C. For any other Universal Realm CDA document choose HL7 CDA Release 2
- D. For USCDI: choose HL7 – C-CDA R2.1 - USCDI
- E. Press Validate button



Review Sections in Report for Pass/Fail

- There are different ways to slice and dice the testing results

Information Section



Validation result

Information

File Name: DemoCCDR2.1-20161105.xml

OID: 1.3.6.1.4.1.12559.11.28.5.274

Validation Date: 9/8/22 6:43:12 PM (EDT GMT-0400)

CDAGenerator: HL7 - C-CDA R2.1 - Meaningful Use Stage 3 (Version 20220806)

Validation Results: **DONE FAILED**

Permanent link: <https://gazellecontent.sequoiaproject.org/evs/report.seam?oid=1.3.6.1.4.1.12559.11.28.5.274>

Data Visibility: Private - Owned By didi / SEQUOIA

Buttons: Make this result public, share this result, Validate again, Perform another validation

Model



Validation Results

Scorecard

Scorecard

CDAGenerator Styled Report | CDAGenerator Standard Report | XML

Well-formedness **PASSED**

The document you have validated is supposed to be a well-formed document. The validator has checked if it is well-formed, results of this validation are gathered in this section.

The document is well-formed

Schema Validation detailed Result **PASSED**

Your document has been validated with the appropriate schema, here is the detail of the validation outcome.

The document is valid regarding the schema

Gazelle Objects Checker validator results **FAILED**

Summary of checks: 5 (44) / 581

Severity	Test Location	Description	E - 1
Errors	ccda212278	In Severity Observation (V2), the code of /hl7:observation/hl7:temolatelid/@root=2.16.840.1.113883.10.20.22.4.8/hl7:valu	
Warnings			

Tree of the templates used in this document

Show Templates

Show Templates



Review Content Testing Information Section

Information Section

1. The document sample tested is permanently stored with the results and can be downloaded if required
2. The testing result defaults to locked status, unlocking or making public can make this available for all testing organizations to view and download
3. Testing reports can be downloaded
4. Permanent Link

The screenshot shows a web interface for reviewing content testing information. At the top left, the 'Information' tab is circled in red. Below it, a table lists details for a test run. A red arrow labeled '1' points to a download icon next to the file name. A red arrow labeled '2' points to a lock icon in the top right corner. A red arrow labeled '3' points to a download icon next to the 'Validation Results' field. A red arrow labeled '4' points to the 'Permanent link' field. At the bottom, a row of four buttons is shown: 'Make this result public' (with a red arrow labeled '2' pointing to it), 'share this result', 'Validate again', and 'Perform another validation'.

File Name	DemoCCDR2.1-20161105.xml
OID :	1.3.6.1.4.1.12559.11.28.5.274
Validation Date :	9/8/22 6:43:12 PM (EDT GMT-04)
CDAGenerator :	HL7 - C-CDA R2.1 - Meaningful Use Stage 3 (Version 20220806)
Validation Results :	DONE FAILED
Permanent link :	https://gazellecontent.sequoiaproject.org/evs/report.seam?oid=1.3.6.1.4.1.12559.11.28.5.274
Data Visibility :	Private - Owned By didi / SEQUOIA

2 Make this result public share this result Validate again Perform another validation

Review Validation Result Section Templates Tree

1. Click on eye icon to view error within XML
2. Click Show Templates to get this view and errors adjust on the left side

Validation Results

Model based validation Scorecard

XML Validation Report PASSED

The document you have validated is supposed to be a wellformed XML document. The validator has checked if it is well-formed, results of this validation are gathered in this section.
The XML document is well-formed

XSD Validation detailed Result PASSED

Your XML document has been validated with the appropriate XSD schema, here is the detail of the validation outcome.
The XML document is valid regarding the schema

Gazelle Objects Checker validator results FAILED

Summary of checks **57** 3937

Severity	Test	Location	Description	Type
Errors	9	cdamu33465	/ClinicalDocument/component/structuredBody/component[0]/section/entry[0]/act	
Warnings	1			
Infos	0			
Unknown	0			
Reports	0	cdamu33466	/ClinicalDocument/component/structuredBody/component[0]/section/entry[0]/act	
Type	0			
Datatype	0			
Vocabulary	0			
Context	0			
Mandatory	1	cdamu3666	/ClinicalDocument/component/structuredBody/component[0]/section/entry[0]/act/entryRelationship[0]/observation/entryRelationship[2]/observation	
Cardinality	0			
Fixed Value	2	cdact011	/ClinicalDocument/component/structuredBody/component[0]/section/entry[0]/act/act[0]	
Test name				

Errors adjust

Show Templates

Tree of the templates used in this document
Click on template ID to filter the list of notifications

View Error in XML

File Content Section

1. XML tab allows user to indent “prettify” file and add line numbers to make more readable
2. Click on XML Tree Tab to allow expand/collapse all
3. Click on Binary content tab to see XML in Binary form

The screenshot displays the 'File Content' section of a software interface. It features three tabs: 'XML', 'XML Tree', and 'Binary content'. The 'XML' tab is selected and shows a prettified XML document with line numbers. The 'XML Tree' tab is also visible, showing a tree view of the document. The 'Binary content' tab is also visible, showing the raw binary data. Red arrows and circles highlight the 'File Content' header, the 'XML' tab, the 'Expands/collapse all' checkbox, and the 'Binary content' tab.

```
<?xml-stylesheet type="text/xsl" href="CDA.xsl"?>
<!-- This is an empty C-CDAskeleton which will be used
<!-- This document was based on prior work by Lisa Nel
<!-- See http://wiki.hl7.org/index.php?title=CDA_Example
<ClinicalDocument xmlns="urn:hl7-org:v3" xmlns:cda="
CDA/20130409%20C-CDAs%20R1dot1_2012JUL/Update
<realmCode code="US"/>
<typeId extension="POCD_HD000040" root="2.16.84
<templateId root="2.16.840.1.113883.10.20.22.1.1"/>
<!-- C-CDAs -->
<templateId root="2.16.840.1.113883.10.20.22.1.2"/>
<!-- CCD -->
<id extension="20130607100315-CCDA-CCD" root="
<code code="34133-9" codeSystem="2.16.840.1.113
<title>Patient Safety of C-CDAs Documents (Validates to
<effectiveTime value="20150607000000-0000"/>
<confidentialityCode code="N" codeSystem="2.16.84
<languageCode code="en-US"/>
<recordTarget>
<patientRole>
<id extension="12345" root="2.16.8
<addr use="HP">
<streetAddressLine>17 Daws Rd.
<city>Blue Bell
<state>MA
<postalCode>02368
<country>US
</addr>
<telecom use="HP" value="tel:(781)555-1212"/>
<patient>
<name use="L">
<prefix>Mr.</prefix>
<given>Adam</given>
<given qualifier="CL">Frankie</given>
```

Review errors in line with XML

1. Descriptions of errors can be found within XML
2. Click on Constraint and Assertion to get additional details for troubleshooting

```
252 <templateId root="2.16.840.1.113883.10.20.22.4.28"/>
253 <!-- Allergy status observation template -->
254 <code code="33999-4" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Status"/>
255 <statusCode code="completed"/>
256 <value code="55561003" codeSystem="2.16.840.1.113883.6.96" displayName="Allergy" xsi:type="CE"/>
257 </observation>
258 </entryRelationship>
259 <entryRelationship inversionInd="true" typeCode="SUBJ">
260 <observation classCode="OBS" moodCode="EVN">
```

(1/250) ↓	Test	ccda212278	E - 1
	Location	/ClinicalDocument/component/structuredBody/component[0]/section/entry[0]/act/entryRelationship[0]/observation/entryRelationship[1]/observation	
	Description	In Severity Observation (V2), the code of /hl7:observation[hl7:templateId/@root="2.16.840.1.113883.10.20.22.4.8"] value SHALL be from the valueSet 2.16.840.1.113883.3.88.12.3221.6.8 (flexibility : C-CDA R2.1 2020-07-13) (Item : CONF:1098-7356) [Constraint...] [Assertion...]	
	Type	Vocabulary	

```
261 <templateId root="2.16.840.1.113883.10.20.22.4.8"/>
262 <!-- ** Severity observation template ** -->
263 <code code="SEV" codeSystem="2.16.840.1.113883.5.4" codeSystemName="ActCode" displayName="Severity Observation"/>
264 <text>
265 <reference value="#severity1"/>
266 </text>
267 <statusCode code="completed"/>
268 <value code="399166001" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Fatal" xsi:type="CD"/>
269 </observation>
270 </entryRelationship>
271 <entryRelationship inversionInd="true" typeCode="MFST">
```

Constraint & Assertion Hints

1. Constraints will provide the **CONF: xxxx-xxxx** that corresponds to the base underlying HL7 specification

Constraint Descriptor : ccca212278 (type: org.eclipse.emf.ecore.impl.DynamicEObjectImpl@7dd92a36 (eClass: org.eclipse.emf.ecore.impl.EClassImpl@531ed68e (name: OclInvalid_Class) (instanceClassName: null) (abstract: false, interface: false)), kind: Vocabulary)

Constraint : ccca212278

Constraint Name	ccca212278 (type: org.eclipse.emf.ecore.impl.DynamicEObjectImpl@7dd92a36 (eClass: org.eclipse.emf.ecore.impl.EClassImpl@531ed68e (name: OclInvalid_Class) (instanceClassName: null) (abstract: false, interface: false)), kind: Vocabulary)
Constraint Class	Severity ObservationV2
Package	ccca21
Description	In Severity Observation (V2), the code of /hl7:observation[hl7:templateId/@root='2.16.840.1.113883.10.20.22.4.8']/hl7:value SHALL be from the valueSet 2.16.840.1.113883.3.88.12.3221.6.8 (flexibility : C-CDA R2.1 2020-07-13) (Item : CONF:1098-7356)
OCL	self.value->forAll((not nullFlavor.oclIsUndefined()) or ((not oclAsType(CD).code.oclIsUndefined()) and CommonOperationsStatic::matchesValueSet('2.16.840.1.113883.3.88.12.3221.6.8&ve

List Assertions

- <https://gallecontent.sequoiaproject.org/AssertionManagerGui/rest/testAssertion/assertion?assertionId=CONF:1098-7356&idScheme=ccca21>

Assertion Manager

Scopes Assertions Id Schemes Documents

Unknown assertion

Assertion id	CONF:1098-7356
Id scheme	ccca21

Scorecard Tab – Click Get Scorecard to generate view

Validation result

Information

File Name: DemoCCDR2.1-20161105.xml
OID: 1.3.6.1.4.1.12559.11.28.5.274
Validation Date: 9/8/22 6:43:12 PM (EDT GMT-0400)
CDAGenerator: HL7 - C-CDA R2.1 - Meaningful Use Stage 3 (Version 20220806)
Validation Results: **Done**
Permanent link: <https://seamcontent.sequoiaproject.org/evs/report.seam?oid=1.3.6.1.4.1.12559.11.28.5.274>
Data Visibility: Private (Shared By didi / SEQUOIA)

Buttons: Make this result public, **Get Scorecard**, Validate again, Perform another validation

Validation Results: **Scorecard**

Scorecard

Contextual information

Validation identifier: 1.3.6.1.4.1.12559.11.28.5.274
Statistics identifier: 1.3.6.1.4.1.12559.11.28.3.1.2053
Validation tool: Gazelle CDA Validation (version: 20220806)
Statistic tool: Gazelle CDA Validation (version: 2.2.3)
Effective date: 2022-09-09 00:43:47 (+0200)

Constraint scoring | **Templates scoring**

This section of the scorecard gives you indications regarding the constraints which have been applied on your document during the validation process. Because some constraints are used several times, the scorecard also shows you how many distinct constraints were executed.

Summary

Summary of outcomes
5 (Failed) | 44 (Passed) | 581 (Total)

The overall conformity progress bar below summarizes the conformity of your document in percentages, differentiating passed executed constraints from other statuses of execution.

Overall conformity
7.8% (Passed) | 92.2% (Total)

Conformity of unique constraints
29 (Failed) | 454 (Passed) | 2178 (Total)

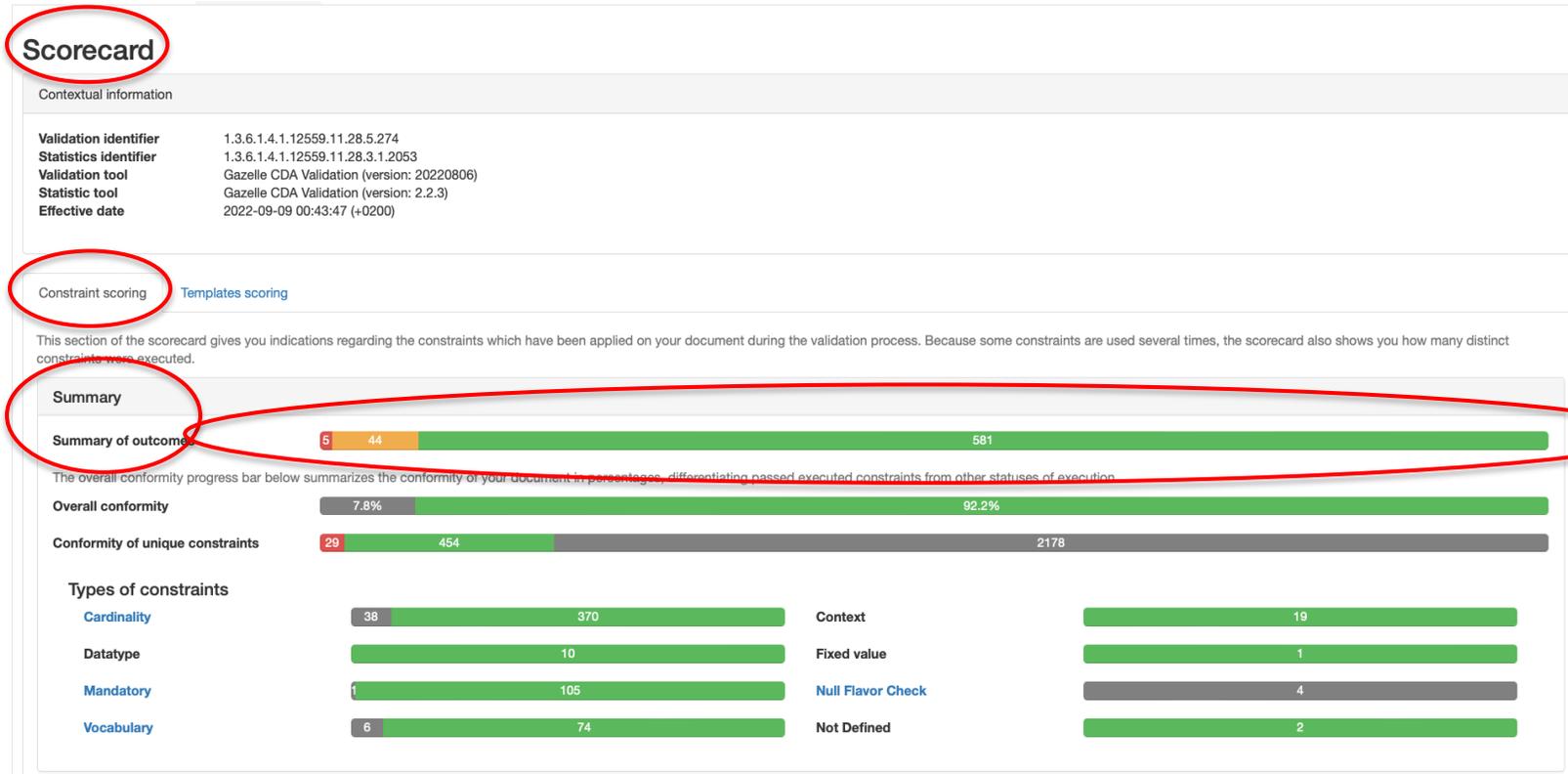
Types of constraints

Cardinality	38	370	Context	19
Datatype	1	10	Fixed value	1
Mandatory	1	105	Null Flavor Check	4
Vocabulary	6	74	Not Defined	2

Scorecard Constraint Scoring/Summary Section

1. This view provides a summarized view of errors/warnings/info items

- Red numbers are errors
- Orange numbers are warnings
- Green numbers are informational



Scorecard Detail Section

1. This provides a summarized view of errors/warnings/info items per individual item to allow organizations to focus on recurring errors by type - Items show in blue are hyperlinked to constraint

The screenshot displays a 'Detail' section for constraints. A red circle highlights the 'Detail' tab. Below it, a table lists constraints grouped by type: Cardinality, Fixed value, Mandatory, Vocabulary, and Untyped constraints. Each constraint is represented by a horizontal bar chart showing the number of errors (red) and warnings (green). A red arrow points to the 'cdadt011' constraint in the 'Untyped constraints' group, which has 18 errors and 141 warnings. Below the table, a 'Constraint Descriptor' for 'cdadt011' is shown, including its name, class, package, description, and OGL. A 'List Assertions' section at the bottom shows a single assertion link.

Constraint ID	Errors	Warnings
cdadamu32140	2	0
cdadamu31604	2	0
cdadamu33324	1	0
cdadamu33466	1	0
cdadamu31262	1	0
cdadamu3666	1	0
cdadamu32142	1	1
cdadamu31696	1	0
cdadamu3732	1	0
cdadamu33465	1	0
cdadamu31261	1	0
cdadamu32008	1	0
cdadt011	18	141
cdadt020	2	74
cdadt013	2	29
dtits007	21	81
rmim112_1	9	0

Constraint Descriptor : cdadt011 (type: ERROR, kind:)

Constraint : cdadt011

Constraint Name: cdadt011 (type: ERROR, kind:)
Constraint Class: @Spec
Package: ccdat
Description: When root is UUID, the hexadecimal digits A-F SHALL be in upper case (COADT-011)
OGL: self.root.oc1\$undefined() or (not self.matches(self.root, '[0-9a-z-2]{8}-[0-9a-z-2]{4}-[0-9a-z-2]{4}-[0-9a-z-2]{4}-[0-9a-z-2]{12}') or self.matches(self.root, '[0-9A-Z-2]{8}-[0-9A-Z-2]{4}-[0-9A-Z-2]{4}-[0-9A-Z-2]{4}-[0-9A-Z-2]{12}'))

List Assertions

- <https://gizellecontent.sequoiaproject.org/AssertionManagerGui/rest/testAssertion/assertion?assertionId=COADT-011&Scheme=COADT>

Scorecard – Template Scoring/Access Tree View

1. Shows templates utilized in blue = true and black = false
2. Summary of rules outcome highlighted by section errors/warnings/info

The screenshot displays a scorecard interface with three sections. The top section is 'Continuity of Care Document (CCD) (V3) [2.16.840.1.113883.10.20.22.1.2]'. It has a 'Summary of rules outcome' bar showing 5 errors, 44 warnings, and 581 info items. Below this is a table for 'Sub template(s)' with columns 'Template Id' and 'Is present'. A red arrow labeled '1' points to this table. The middle section is 'Medications Section (entries required) (V2) [2.16.840.1.113883.10.20.22.1.1]'. It has a 'Summary of rules outcome' bar showing 1 error, 4 warnings, and 52 info items. A red arrow labeled '2' points to this bar. The bottom section is 'Medication Activity (V2) [2.16.840.1.113883.10.20.22.4.16]'. It has a 'Summary of rules outcome' bar showing 1 error, 4 warnings, and 43 info items.

Template Id	Is present
2.16.840.1.113883.10.20.22.2.1	true
2.16.840.1.113883.10.20.22.2.10	true
2.16.840.1.113883.10.20.22.2.14	false
2.16.840.1.113883.10.20.22.2.15	false
2.16.840.1.113883.10.20.22.2.17	true
2.16.840.1.113883.10.20.22.2.18	false
2.16.840.1.113883.10.20.22.2.21	false
2.16.840.1.113883.10.20.22.2.22	false
2.16.840.1.113883.10.20.22.2.23	false
2.16.840.1.113883.10.20.22.2.3.1	true
2.16.840.1.113883.10.20.22.2.4.1	true
2.16.840.1.113883.10.20.22.2.5.1	true
2.16.840.1.113883.10.20.22.2.56	false
2.16.840.1.113883.10.20.22.2.57	false
2.16.840.1.113883.10.20.22.2.6.1	true
2.16.840.1.113883.10.20.22.2.7.1	true

Viewing Validation Logs

1. Leverage search criteria when searching validation logs for your organization
2. All results (locked/unlocked) for users within your organization will be visible

Validated CDA documents (C-CDA)

Search Criteria

Date: Any ✕

Validation status: Show all ✕

Entry point: Show all ✕

User: Show all ✕

Organization: Show all ✕

OID	Validation date	Entry point	User	Organization	Validation Service	Validator	Validator version	Validation status
1.3.6.1.4.1.12559.11.28.5.2129	11/10/22 3:06:15 PM (EST GMT-0500)	GUI	lbright	SEQUOIA	CDAGenerator	HL7 - C-CDA R2.1 - Meaningful Use Stage 3	20220806	DONE_FAILED
1.3.6.1.4.1.12559.11.28.5.1815	10/25/22 12:26:42 PM (EDT GMT-0400)	GUI	matt	SEQUOIA	CDAGenerator	HL7 - C-CDA R2.1 - Meaningful Use Stage 3	20220806	DONE_FAILED
1.3.6.1.4.1.12559.11.28.5.1813	10/25/22 3:10:40 AM (EDT GMT-0400)	GUI	didi	SEQUOIA	CDAGenerator	HL7 - C-CDA R2.1 - Meaningful Use Stage 3	20220806	DONE_FAILED
1.3.6.1.4.1.12559.11.28.5.1812	10/25/22 3:08:57 AM (EDT GMT-0400)	GUI	didi	SEQUOIA	CDAGenerator	HL7 - C-CDA R1.1	1.1.9	DONE_FAILED
1.3.6.1.4.1.12559.11.28.5.1811	10/25/22 3:08:23 AM (EDT GMT-0400)	GUI	didi	SEQUOIA	CDAGenerator	HL7 - C-CDA R2.1 - Meaningful Use Stage 3	20220806	DONE_PASSED
1.3.6.1.4.1.12559.11.28.5.1810	10/25/22 3:07:54 AM (EDT GMT-0400)	GUI	didi	SEQUOIA	Schematron Based Validator	SEQUOIA - Meaningful Use HITSP/C32 v2.5 (20171212)_COPY	Unknown	DONE_PASSED
1.3.6.1.4.1.12559.11.28.5.1809	10/25/22 3:07:00 AM (EDT GMT-0400)	GUI	didi	SEQUOIA	CDAGenerator	HL7 - C-CDA R2.1 - Meaningful Use Stage 3	20220806	DONE_FAILED
1.3.6.1.4.1.12559.11.28.5.1808	10/25/22 3:04:49 AM (EDT GMT-0400)	GUI	didi	SEQUOIA	CDAGenerator	HL7 - C-CDA R2.1 - Meaningful Use Stage 3	20220806	DONE_FAILED
1.3.6.1.4.1.12559.11.28.5.1775	10/18/22 12:36:50 PM (EDT GMT-0400)	GUI	lbright	SEQUOIA	CDAGenerator	HL7 - C-CDA R2.1 - Meaningful Use Stage 3	20220806	DONE_FAILED
1.3.6.1.4.1.12559.11.28.5.1584	10/25/22 12:43:57 PM (EDT GMT-0400)	GUI	smcove	SEQUOIA	CDAGenerator	HL7 - C-CDA R2.1 - USCDI	20211201	DONE_PASSED

Statistics – Available to all

External Validation Service Front-end

Sequoia Administration

CDA-C-DA Validate Validation logs **Statistics**

Links

- Number of validation per validation services
- Number of validation per validation context
- Repartition of validation outcomes
- Timeline (amount of validation requests per months)
- Timeline (amount of validation requests per year)

External Validation Service Front-end

Sequoia

Statistics for CDA (C-DA)

Links

- Number of validation per validation services
- Number of validation per validation context
- Repartition of validation outcomes
- Repartition of validation by callers' IP (only for administrator)
- Repartition of validation by users (only for administrator)
- Timeline (amount of validation requests per months)
- Timeline (amount of validation requests per year)

Number of validation per validation services

Number of validation per validation context

Repartition of validation outcomes

Timeline (amount of validation requests per months)

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External Validation Service Front-end

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CDA Statistics for CDA (C-DA)

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Number of validation per validation services

Repartition of validation outcomes

Timeline (amount of validation requests per months)

Questions? testing@ehealthexchange.org