CMS HL7 FHIR Connectathon
Connection Call

Blue Button® Track

6/21/22
Agenda 6/21

- Track Format
- Track Leads
- Track Logistics
- Timeline of Activities
- How to Prepare?
- Scenario
Track Format

There will be two Blue Button® related sessions in this track. These two sessions are only connected by the use of the Blue Button 2.0 terminology, but should be considered as separate and not interconnected.

- **Session #1 CARIN IG for Blue Button Testing:** The first session will be run by the CARIN Alliance and include hands-on testing of the CARIN IG for Blue Button® (track page here).
  - During the event, implementers will have the opportunity share their progress with others and share a demo during the track highlight session on July 21.

- **Session #2 Blue Button 2.0 API Introduction and Workshop:** The second session will be run by CMS and include an interactive Blue Button 2.0 workshop where implementers can make API calls using the CMS developer sandbox and Postman collections (track page here).
  - **Workshop topics**
    - Blue Button 2.0 overview and common uses
    - Making API calls using the CMS developer sandbox and Postman collections
    - A live, interactive demo of the new SDKs for Python and Node.js developers
  - **Get expert help**
    - CMS team of developers and FHIR specialists will answer questions about developing on the API and best practices.
Track Leads

Session #1 CARIN IG for Blue Button Testing:
• Amol Vyas: amol.vyas@cambiahealth.com @amolvyas
• Mark Roberts: mark.Roberts@leavittpartners.com @markroberts

Session #2 Blue Button 2.0 API Introduction and Workshop:
• Rachel Lorencz: Rachel.Lorencz@cms.hhs.gov

• If you have questions, please email or send a Zulip chat message!
Session #1 CARIN IG for Blue Button Testing:
https://confluence.hl7.org/pages/viewpage.action?pageId=101359213

Session #2 Blue Button 2.0 API Introduction and Workshop:
https://confluence.hl7.org/display/FHIR/CMS+2022+-+07+Blue+Button+2.0+API+Introduction+and+Workshop
Track Logistics: CMS Connectathon Agenda

Tuesday, July 19, 2022
9:00 AM ET – 5:00 PM ET
Policy Updates / Test Tools

Wednesday, July 20, 2022
8:00 AM ET – 5:00 PM ET
Track Tools / Testing / Office Hours

Thursday, July 21, 2022
9:30 AM ET – 4:00 PM ET
Track Highlights – 20 minutes

*Lunch Break daily from 12:00 PM ET to 1:00 PM ET
# Timeline of Activities

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Session Type</th>
<th>Background</th>
<th>Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 AM</td>
<td>CARIN IG for Blue Button®</td>
<td>Scenario / Tooling Review</td>
<td>In this session we will review the CARIN for Blue Button Test Scripts available to guide your implementation of the Blue Button IG. This introduction will prepare you to understand what you will see in the testing sessions following it.</td>
<td>Mark Roberts, Amol Vyas, Corey Spears, Pat Taylor, Ryan Moehrke</td>
</tr>
<tr>
<td>10:30 AM</td>
<td>CARIN IG for Blue Button®</td>
<td>Test Session #1</td>
<td>Implementers will demonstrate their products which are using the CARIN Consumer Directed Payer Data Exchange IG leveraging the Touchstone Test Scripts to show conformance to the specification. Hear in real time what challenges they face.</td>
<td>Mark Roberts, Ryan Moehrke</td>
</tr>
<tr>
<td>10:50 AM</td>
<td>CARIN IG for Blue Button®</td>
<td>Test Session #2</td>
<td></td>
<td>Mark Roberts, Ryan Moehrke</td>
</tr>
<tr>
<td>11:10 AM</td>
<td>CARIN IG for Blue Button®</td>
<td>Test Session #3</td>
<td></td>
<td>Mark Roberts, Ryan Moehrke</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>CARIN IG for Blue Button®</td>
<td>Office Hours</td>
<td>Kick the tires of your system by validating it against the test tools and ask the CARIN experts about any questions you have.</td>
<td>Mark Roberts, Ryan Moehrke</td>
</tr>
<tr>
<td>12:00 PM</td>
<td></td>
<td></td>
<td></td>
<td>Lunch</td>
</tr>
</tbody>
</table>
## Timeline of Activities

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<th>Background</th>
<th>Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30 PM</td>
<td>CMS Blue Button API</td>
<td>Scenario</td>
<td>Introduction to CMS Blue Button API</td>
<td>Rachel Lorencz</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>CMS Blue Button API</td>
<td>Test Session</td>
<td>Hands On – Register a sandbox account and create an app, intro to synthetic data</td>
<td>Rachel Lorencz</td>
</tr>
<tr>
<td>2:30 PM</td>
<td>CMS Blue Button API</td>
<td>Test Session</td>
<td>Hands On - Making calls against Postman collection, and use case discussions</td>
<td>Rachel Lorencz</td>
</tr>
<tr>
<td>3:15 PM</td>
<td>CMS Blue Button API</td>
<td>Demo</td>
<td>Live demo of SDK</td>
<td>Rachel Lorencz</td>
</tr>
<tr>
<td>4:15 PM</td>
<td>CMS Blue Button API</td>
<td>Office Hours</td>
<td>Office hours/breakout rooms with CMS developers</td>
<td>Rachel Lorencz</td>
</tr>
<tr>
<td>5 PM</td>
<td></td>
<td></td>
<td><strong>Session Concludes</strong></td>
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How to Prepare?

• May Kick Off Recording
  https://vimeo.com/542197402/8fb80fea04

• Review Track Scenario
  – Session #1 CARIN IG for Blue Button Testing:
    https://confluence.hl7.org/pages/viewpage.action?pageId=101359213
  – Session #2 Blue Button 2.0 API Introduction and Workshop:
    https://confluence.hl7.org/display/FHIR/CMS+2022+-+07+Blue+Button+2.0+API+Introduction+and+Workshop
CARIN IG for Blue Button® Testing Tools

- **Test Tool / Test Script demo**
  - In advance of the testing session all participants should onboard with the free Aegis Touchstone Testscripts and run the Testscripts.
  - Review the Powerpoint on the track page (https://confluence.hl7.org/pages/viewpage.action?pageId=101359213) to go through the onboarding process.
  - If you run into any issues, please reach out directly to Aegis at Touchstone_Support@AEGIS.net
• Connect with Client/Server
  – In advance of the testing session all participants should connect with their partner to ensure any errors or token issues are addressed.
CARIN IG for Blue Button® Test Session

• Demonstration
  – Implementers will demonstrate their products which are using the CARIN Consumer Directed Payer Data Exchange IG leveraging the Touchstone Test Scripts to show conformance to the specification.
  – Client/Server will provide a demo.
  – Hear in real time what challenges they face.
CARIN IG for Blue Button® Scenario

- **Action**: Sandbox user receives the access and refresh tokens from the Sandbox server and calls the EOB endpoint
- **Precondition**: Sandbox user is logged into the Client
- **Success Criteria #1**: The server returns resources that are compliant with CARIN BB Profiles, including Vision and Oral EoBs
- **Success Criteria #2**: Server is compliant with SMART App Launch [Stand alone mode] framework
- **Success Criteria #3**: Registered and run Aegis TestsScript
- **Bonus point #1**: On expiration of the access token, the app uses the refresh token to get new access and refresh tokens
- **Bonus point #2**: The Server exposes search criteria (link) for selecting the EOBs and the client uses search parameters to select and retrieve the EOBs.
- **Bonus point #3**: For a Server supporting _include, the resource instance included in the search response should match the instance from a separate read/vread on that resource's reference.
## CARIN IG for Blue Button® Scheduled Testers

<table>
<thead>
<tr>
<th>Server</th>
<th>Client</th>
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</thead>
<tbody>
<tr>
<td>CVS Health</td>
<td>InteropX</td>
</tr>
<tr>
<td>CNSI</td>
<td>1upHealth</td>
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<tr>
<td>UPMC</td>
<td>Humetrix</td>
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<tr>
<td>Anthem</td>
<td>Accenture</td>
</tr>
<tr>
<td>1upHealth</td>
<td>HIKE HEALTH</td>
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<tr>
<td>InteropX</td>
<td>AaNeel</td>
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<tr>
<td>MITRE</td>
<td>Brandon Raab</td>
</tr>
<tr>
<td>Medicare Magician</td>
<td>Ryan Weihler</td>
</tr>
<tr>
<td>Onyx Health</td>
<td>Medicare Magician</td>
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CMS Blue Button® 2.0 API

Workshop topics

• Blue Button 2.0 overview and common uses
• Making API calls using our developer sandbox and Postman collections
• A live, interactive demo of our new SDKs for Python and Node.js developers

Get expert help

• Our team of developers and FHIR specialists will answer questions about developing on the API and best practices.