**Interoperability Layer Community Call**

**Date:** 9 December

**Attendees:**

Larry Lemmon, Carl Fourie, Hannes Venter, Duma Mtungwa, Martin Brocker, Linda Taylor, Joan Africa-Brown, Ryan Crichton

Recording of the meeting is available for 30 days online here: <http://www.conferenceplayback.com/stream/86324659/28406801.mp3>

**Agenda:**

* Implementation update
* Getting the OpenHIM setup in the OpenHIE sandbox for conformance testing
* ATNA audit logging of requests going through the OpenHIM
* Call admin: last call of this year
* AOB

**Minutes:**

* Implementation update

RC - the major task that we have been focusing on from the OpenHIE side is building the mediator for the OpenHIM that does the save and query encounters. We've got to a pretty good stage with this it can do both the save and query encounter work flow as defined by OpenHIE. HV has also done a good job of getting the ATNA audit logging in there as well. We have that mediator now pretty much ready for connectathon testing so that is done at this stage.  What we are really focusing on is going through some of the pre connectathon tests for OpenHIE. We haven't gone too far into those there is a whole lot of them and because of the number of actors that we have registered for the OpenHIM for the connectathon there is about 77 tests just for the pre-connectathon testing that we have to run through. That is actually quite a lot and that might be a sign that we are testing a whole lot of stuff and when we get to the actual connectathon we can look at what we can cut. From the initial workings if we are doing testing for the full five days of the connectathon with 77 tests would mean 2 tests per hour which could be difficult to get through so we may have to decide what the really important ones are. For the rest of the week will have a look at the tests and figure out exactly which are the most important ones to us best to decide which the important ones are. RC will focus on working through the tests to select what are really necessary, will go through it and send out an email with more information. Also speak to DR and JF for their input.

RC - we are looking in good shape for the connectathon in January, there are a few thing to go through and prioritise to make sure that we are ready, will probably do more testing in early January as well.

RC - seen as there are a number of Jembi people on the line could we get an update on some of the SA projects that we're embarking on? CF or HV want to talk a little on those just some information sharing.

CF - working currently on the Mom Connect project where we have the IL doing a lot of orchestration and the primary interface for our pregnancy register in SA that has been running for the past few months. We are also looking at expanding the IL into a provincial district in Cape Town where it is going to be a key component in moving some of the provincial health data around still in formative phase of the project. We were in a meeting this morning getting a good feel for how we integrate TB and HIV data, is there a role for this to play in it for a small hospital or large teaching hospital how do we include it into the existing system.

HV - it is a pretty exciting area to start working on seeing potential for harmonisation of the systems in SA currently siloed but there is overlap in terms of functionality and the projects we are looking at would see more harmonisation between everything.

* Getting the OpenHIM setup in the sandbox for conformance testing

RC - something to touch base with LL on the issue, been more involved in the sandbox community than I have. At this stage we are at the point where the OpenHIM and the XDS mediator that we have to enable the OpenHIE workflows is ready to be set up in the sandbox, need to know what the process is to do that and how do we interface with the sandbox community to do that. Is there a specific person we need to talk to should we get access to that server and set it up ourselves? Do you have any of that details for us?

LL - Ryan Yates and Jennifer Shivers are in charge of the sandbox and they're in charge of getting the test data together. You said something this morning about the profiles that will be used for the connectathon. We would appreciate that if we give access to the machines that the community gets on and ensures that everything ties together. We are busy loading the Facilities and Healthworker data that we got from those communities. Mentioned the profiles that are being tested do you have the messages that you would be using to do that, it would be helpful to get those.

RC - don't have the individual messages but do have a set of J-unit tests that are actually integration tests that JF helped us write while he was in SA. Those tests will do three major things 1) register a patient with CR and that can be sent through the OpenHIm and then passed on to the CR, then it will create the doc and call the provided register and send that thru to the OpenHIM that in turn will do some orchestration verify the client with the CR verify the provider and the facility with the openinfoman and then finally send that on to the XDS repository to be stored and then the J-unit tests after that will actually do a query that would get back the document and ensure that it gets back what it sent in. We have that set up and that is in the j-unit test suite and is pretty automated. I think that can hook into the Bamboo set up you have in the sandbox community and that would at least be able to start doing the conformance testing that we need. That has been shared out and have offered that JF and RC can help to get that setup if we need to. That would probably be the first start, what do you think of that?

LL - sounds great, what we are doing today or these days we are getting the base set of patients in the facility list and the health worker register list and basically to act as a beginning data set that would be in the sandbox and then we will run the integration test against that data. What you are saying sounds really great if we can work through that, Ryan Yates does plan to give you an account, will see him in about an hour and will make sure that's happening. And that he has access to your J-unit tests that you're running.

LL - we at Regenstrief would like each community to be involved not really running the full test but at least ensuring the tests are set up correctly and be available during the testing. Otherwise we struggle to understand the testing details of a lot of the communities. Currently struggling with how to load the Facility data registry and Health Worker registry data that was sent. It takes time to do that whereas if the community were more involved they could log in and load the data for us. We do appreciate the extra help from the community.

RC - I am on the same page as you LL we would want to be involved and trying to get things set up as quickly as possible. Comes down to us getting some access to the systems and some of the infrastructure that you guys have and we can help out there, we definitely are keen to work together on that. You are right if it is all left up to the Sandbox community it is just too much work as we found out when we tried to get these things up and running. It is a lot of configuration work and time that it takes to get things right so we are more than happy to try to help to get things right.

RC - sent out a wiki page that I created on the OpenHIE wiki that starts to describe how to get OpenHIE and its set of reference applications set up it is very basic at the moment and points to some installation docs of other tools at least it starts to do that and we can start to capture configuration for some of that tools and that might help to get others started on the reference applications if they want to and also help ourselves to capture and document some of the configuration needed for getting the reference applications functioning working together.

LL - related question; who does Jembi and EC group see or who do you guys see as the head of the connectathon team in other words where does the responsibility fall for getting all this ready for the connectathon.

RC - my own opinion is that each community should be responsible for testing their components/tool e.g. for OpenHIM I expect to be the responsible person to ensure that the OpenHIM can be tested at the connectathon, the OpenHIM is a bit of a special case because there are some pass throughs to the CR and other tools where I don't necessarily think I am responsible but in general splitting it out by the community that is responsible for the tool makes sense to me. How have you guys been thinking about it LL?

LL - in general that's the way we're thinking however DR was expressing that maybe Regenstrief should be the overall team leader, that may or may not work but I agree more with each community taking responsibility for their own tool

RC- good approach for communities to lead for their own tools considering the complexity involved.

LL - as an e.g. I think Infoman is going to be used so who would be responsible for the OpenInfoman component.

RC - probably Carl Leitner seen as he has been the major developer on that project so it would make sense for it to be him but it would probably deal with both provider and facility data.

RC - will speak to Jennifer and Ryan about access to that infrastructure so that we can start getting things set out. I have three days left before going on leave for the year so it does restrict time a bit.

LL - will see Ryan Yates in an hour so will make sure he understands the need to have the access granted as soon as possible.

* ATNA audit logging of requests going through the OpenHIM

RC - an update on what we are thinking of doing and maybe some comments on that. At the moment we are thinking of doing through the OpenHIM we already have ATNA logging for specific requests so things like when there is a provider register transaction it comes in, the XDS mediator is able to send an ATNA audit log about that because that is specified by the profile that it must do that. There are some other cases of CSD where that is not audited at all and not specified by the profile that it should be audited. What we are thinking of doing within OpenHIM is to actually audit every query and response that goes through the OpenHIM at least on some base level. Not sure if there are any objections to going that route but it is what we are thinking of doing. This might be more of a thing that JF and DR may want to be commenting on and maybe best to bring that up with them when I speak with them next.

* Call admin: last call of this year

LT - Jembi will be closing over the holiday period and many staff members are leaving this week, so this will be the last meeting and the next meeting is 20 January.

RC - that will be very close to the OpenHIE connectathon

RC - will send email in the early part of January with any updates on progress before the formal meeting on the first call.