2015/05/12 – Interoperability Layer

<https://notes.ohie.org/2015-05-11_Interoperability_Layer_Community_Call>

**Attendees:**

    Ryan Crichton

    Tariro Mandevani

    Carl Brown

    Dereck Ritz (ecGroup)

    Larry Lemon

    Hannes Venter

    Dumi Mtungwa

    Martin Brocker

    Justin Fyfe(ecGroup)

    Chris Seebregts

**Apologies**

    Carl Fourie

    Linda Taylor

# Agenda:

**1. OL Reference tool overview (OpenHIM v1.2):**

With the release of the OpenHIM V1.2 the team will do a video / screen-share (to be recorded) that will provide the community with a guide to the OpenHIM, the features and the results of the community input and direction. This will also give the community and those interested in the tool an opportunity to have a guided walk through.

2. **Consent management**

This topic was discussed on the previous call and the team has started to distil thinking out to this page:

<https://wiki.ohie.org/display/SUB/Consent+Management+-+IL+community+thoughts>.

**Video Call Link Recording**

<https://youtu.be/nK5-6DRs7sM>

<https://plus.google.com/hangouts/_/hoaevent/AP36tYcdhd1_cKo6LFyfBuHKaWUnoJsREsYl-ovgH1JT6Z_gwY_0qA>

<https://plus.google.com/u/1/events/csm4k357sb7mj8e0tnus676msos?authkey=CJjP1tfk7oqJ-AE>

# Minutes:

* A recent release of V1.2 of OpenHIM tool and what the tool can do.
* A video was shared on the OpenHIM overview.
* OpenHIM tool really works as two pieces – one piece is the call and the other is administration console.
* A sharing of Admin Console – composed of features like the transaction log, requests.
* With the open HIM tool we are able to receive request.
* **RC:** If there are any suggestion or feedback on the tool, you most welcome to share.
* **Fundamental things on the OpenHIM** - Can create client with OpenHIM tool  and create channels
* OpenHIM allows you to create new client with the tool. You can set it up to restrict some of the access to the tool.
* Basic authenticating – Supplying a user with Certificate.
* A supplier certificate -that represent the client. The OpenHIM will know it is them when they use the certificate and then give them access
* Certificates can also be managed. It is difficult to manage certificate - Certificate of Clients (Trust).  System allows to load service certificates
* **JF**: Is it possible - instead of creating many clients - use a valid certificate? When you setting up the server Certificate - it allows you to select configuration.
* In chain certificate can be used to manage single client.  It will look at the certificate and the issuer to find or match the client. If it does then it approves that client.  It allows you to have one certificate to manage all the clients.
* **DR**: You can authenticate Dereck’s machine?
* **RC:** We don't authorise individual users.
* **RC:** If you cannot buy an authorised certificate then you can create yourself server certificate. You can also create your own self server certificate for client.  The tool can be used to create certificates for clients. OpenHIM can act as a certificate authority for the Health Information Exchange.

**Creating a new channel:**

* **RC:** A channel – when a message comes in it needs to know where the message is going. It looks at the URL and you have to specify the path and configure a path.
* **RC:** We support hdp, spt socket, poling channels.
* **RC:** How do we do authorisation? - When clients are set up we put specific roles.  Roles can be restricted for clients only. The people who log in will be able to view quite a lot of detail. Access control rule on OpenHIM for specific users only who will have access to specific data.

**Fundamental Information**

* Not allow access - certain user to be able to see information.
* Re-running of transaction (if a transaction fails system allows to re-run the transaction).

**Way to do constant matching**:  Constant matching - we can do ex-path matching, match channels, JSON matching, RegEx matching.

* Fundamental configuration option is root - channel that can accept messages. You can specify path to use. We can also chose one of the certificates if it is a specific root to make it secure. There are different roots. You can set roots name. There is a primary roots.
* **DR**: Do you have a way to specify how they go - order of the roots?
* **RC**: no – the order shouldn’t matter.

**Adding alerts with the Channel (tool**).  An email alert can be send to people monitoring the health information exchange.

**A failure rate**: it will call the data base and will look at how many failures.

Add individual users to get email or sms alert using the tool.

**Additional setting**: request and response can be sent using the tool.

**Channels**: setting up a client using channels through the client’s role, the message will be authenticated and message will be inspected.

* **DR**:  it seem like the channels can be used for generic things rather than health?
* **RC:** Can be used for a different scenarios.

**Re-run Tasks**: Tool can create a re-run transactions.

**Audit Log** - an IT standard for doing audit logs. It basically logs in all the details.  It stores also the raw messages. You can search using different filters.

How durable is a particular transaction if Openhim crashes what does it do to restart?

**RC**: HIM will not be able to pick up transaction that failed half way through.

**DR**: Do we have unit of asset compliance?

* It might be useful to know - what happens when the transaction fail?

**Visualizer**: Configure how you want the visualizer want to look.  Having different channels.  At the moment we can’t show bits of different orchestration. It will shows were the request is going, what components are activated etc.

**Mediators:**

* The call does a few things, security, viewing, authority.  We want to do more business complex orchestration - resolving patient’s identity?
* We provide some frameworks for both JAVA and LowJS, can be written in any language.
* Mediators does the extra work like transforming message from one to another or orchestration.
* We have the mediators tab which show what the mediators are currently know by the OpenHIM call.

**Default channel configuration** - it can set up some configuration to get you started

* **DR:** If you set it up as default how can you connect to another channel?
* **RC**: You can get into any channel underroots or you can also be set up manually.
* Mediators will be doing some complex logic. Whenever a mediator response to the call - it raps the entire data.
* Structure on the OpenHIM: **two mediators** - **OPENHIM call** and the **XDS mediator**. Information is used to get a good view of what happened within the mediators.