Information regarding the “**Message-ID**”. Please share with your team:

The “**Message-ID**” is a unique ID generated by the Apache James e-mail server(**Email Header**/metadata). You can view this in most e-mail clients.  You can access the mail API fairly easy using Nitor’s messaging tools(API). Currently we are extracting the “**Message-ID**” from the incoming CDA message that you send to the NHSN production inbox. We then add the extracted “**Message-ID**” to the associated notification message that you receive(Message Body).  The “**Message-ID**” will appear something like this in the incoming message sent to NHSN.

Return-Path: <[hospitalABC@direct.hispdirect.com](mailto:fmc-na@direct.hispdirect.com)>

**Message-ID: <**[**2072683766.879.1452614439022.JavaMail.tomcat@direct.hispdirect.com**](mailto:2072683766.879.1452614439022.JavaMail.tomcat@direct.hispdirect.com)**>**

MIME-Version: 1.0

X-MessageIsInfected: false

X-UserIsAuth: true

Delivered-To: [production@direct.nhsn.us](mailto:production@direct.nhsn.us)

Received: from hispweb (EHLO 68.69.2.75) ([192.168.15.2])

          by mail.direct.hispdirect.com (JAMES SMTP Server ) with ESMTPA ID 1015983537

          for <[production@direct.nhsn.us](mailto:production@direct.nhsn.us)>;

          Tue, 12 Jan 2016 11:00:39 -0500 (EST)

Date: Tue, 12 Jan 2016 11:00:38 -0500

From: [hospitalABC@direct.hispdirect.com](mailto:fmc-na@direct.hispdirect.com)

To: [production@direct.nhsn.us](mailto:production@direct.nhsn.us)

Subject: FMC\_NHSN\_062015\_7339\_20160112\_1.zip

Content-Type: multipart/mixed;

               boundary="----=\_Part\_878\_1768503978.1452614438991"

------=\_Part\_878\_1768503978.1452614438991

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

FMC\_NHSN\_062015\_7339\_20160112\_1.zip

------=\_Part\_878\_1768503978.1452614438991

Content-Type: application/octet-stream; name="FMC\_NHSN\_062015\_7339\_20160112\_1.zip"

Content-Transfer-Encoding: base64

Content-Disposition: attachment; filename="FMC\_NHSN\_062015\_7339\_20160112\_1.zip"

We repurposed the “**In-Reply-To**” field in the header of the notification message.

The “**Message-ID**” will appear something like this in the notification message(Header) sent back to your Direct Address:

Return-Path: <[production@direct.nhsn.us](mailto:production@direct.nhsn.us)>

Message-ID: <[812164852.136.1452637222585.JavaMail.javamailuser@localhost](mailto:812164852.136.1452637222585.JavaMail.javamailuser@localhost)>

MIME-Version: 1.0

X-MessageIsInfected: false

X-UserIsAuth: true

Delivered-To: [hospitalABC@direct.hispdirect.com](mailto:hospital@direct.hispdirect.com)

Received: from 158.111.50.174 (EHLO app-nhsn-cvts.cdc.gov) ([158.111.50.174])

          by hisp.hispdirect.com (JAMES SMTP Server ) with ESMTPA ID 1399401269

          for <[hospitalABC@direct.hispdirect.com](mailto:hospital@direct.hispdirect.com)>;

          Tue, 12 Jan 2016 05:20:22 -0500 (EST)

Date: Tue, 12 Jan 2016 17:20:22 -0500 (EST)

From: [production@direct.nhsn.us](mailto:production@direct.nhsn.us)

To: [hospitalABC@direct.hispdirect.com](mailto:fmc-na@direct.hispdirect.com)

**In-Reply-To:** [**2072683766.879.1452614439022.JavaMail.tomcat@direct.hispdirect.com**](mailto:2072683766.879.1452614439022.JavaMail.tomcat@direct.hispdirect.com)

As you can see the “**Message-ID**” from the incoming message to NHSN matches the “**In-Reply-To**” header field in the return notification message from NHSN.

Here are the fields I believe are available for you to access through the NITOR API. You will have to consult with Nitor regarding the exact API calls.

**messageID**

* messageID of mail returned

**inReplyTo** (only present if Direct message is a reply to another message)

* messageID of mail this message is replying to

sender (only present if sender message header included in Direct message)

* direct address of message sender

from

* array of direct addresses

subject

* subject of mail message

body

* array of body parts of mail message, each object will consist of
  + - content – string of body parts content