



Mirth Connect XDR Support

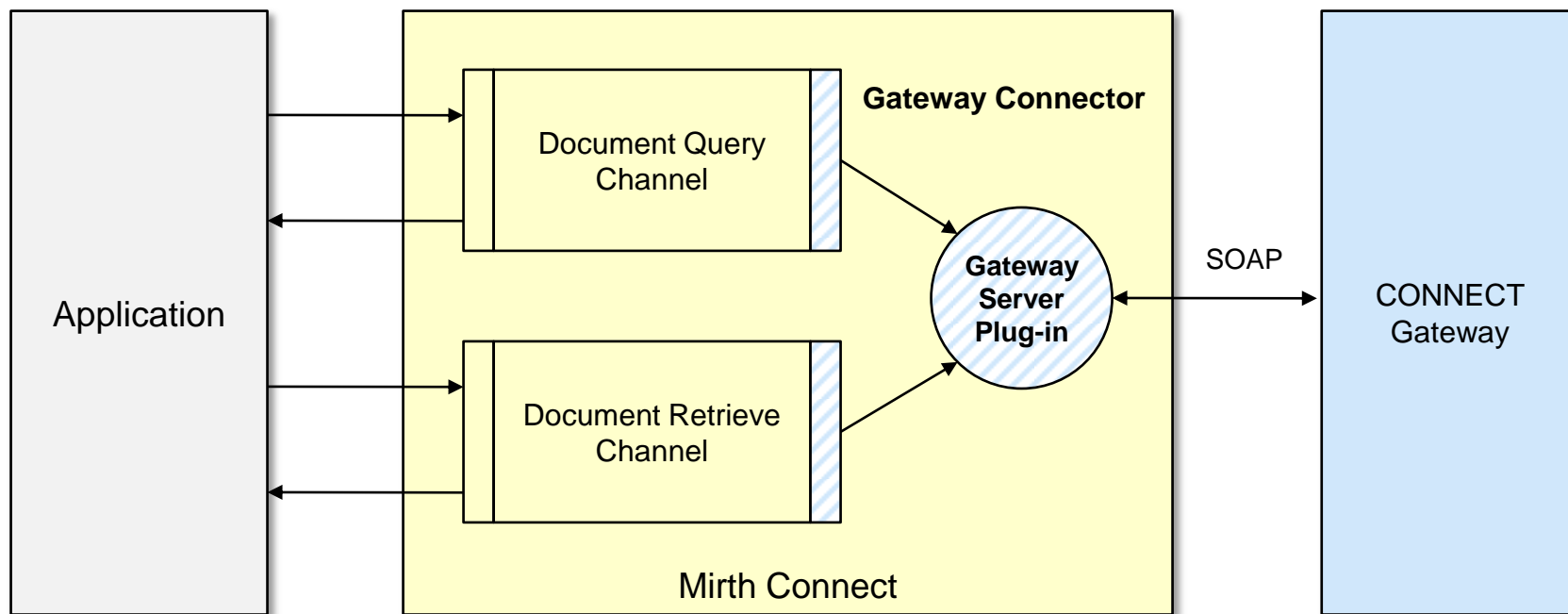
Gerald Bortis

Objective

- Support for outbound XDR requests to NHIN CONNECT Gateway (Provide and Register Document Set Transaction)
- Support for inbound XDR requests from NHIN CONNECT Gateway



Gateway Connector



Gateway Connector

Mirth Connect Administrator - https://10.20.70.21:8443

Edit Channel - MR - Submit Request

Summary | Source | Destinations | Scripts

Status	Destination	Connector Type
Enabled	Submit Request	CONNECT NHIN Gateway Sender

Connector Type: **CONNECT NHIN Gateway Sender**

Mode: **Submit Request**

Request ID:

Request Parameters:

Name	Key	Value
Local ID	localId	\${localId}
First name	firstname	\${firstname}
Last name	lastname	\${lastname}
Middle name	middlename	\${middlename}
Date of birth	dob	\${dob}
Gender	gender	
Address 1	address1	\${address1}
Address 2	address2	\${address2}

Assertion Parameters:

Name	Value
person-name-family	\${assertion_personname_familyname}
person-name-given	\${assertion_personname_givename}
person-name-type	\${assertion_personname_namestype}
person-name-secondnameorinitials	
person-dateofbirth	\${assertion_dateofbirth}
person-phone-areacode	
person-phone-countrycode	
person-phone-extension	

Gateway List:

Send Response to: **None**

Destination Mappings

- Message ID
- Raw Data
- Transformed Data
- Encoded Data
- Message Source
- Message Type
- Message Version
- Date
- Formatted Date
- Timestamp
- Unique ID
- Original File Name
- Count
- Entity Encoder
- CDATA Tag
- DICOM Message Raw Data
- Message with Attachment Data
- requestid
- lastname
- firstname
- middlename
- dob
- address1
- address2
- city
- state
- postal
- localid
- gatewayList

Connected to: https://10.20.70.21:8443

Gateway Server Plug-in

The screenshot displays the Mirth Connect Administrator web interface. The browser address bar shows the URL `https://10.20.70.21:8443`. The interface is divided into a left sidebar and a main content area.

Left Sidebar:

- Mirth Connect** (expandable):
 - Dashboard
 - Channels
 - Users
 - Settings
 - Alerts
 - Events
 - Plugins** (selected)
- Gateway Tasks** (expandable):
 - Refresh
- Other** (expandable):
 - Help on this topic
 - About Mirth Connect
 - Visit mirthcorp.com
 - Report Issue
 - Logout

Main Content Area:

Plugins

Extension Manager \ Message Pruner \ Gateway Service \

Gateway Configuration

Home Gateway OID:

Configuration Service URL:

Gateway List Service URL:

Patient Correlation DB URL:

Request Polling Interval (ms):

Request Log

Log Information
2009-11-02 10:31:20:308: Checking for subject discovery requests...
2009-11-02 10:31:20:276: Checking for subject discovery requests...
2009-11-02 10:31:20:179: Checking for subject discovery requests...
2009-10-30 12:03:07:558: Checking for subject discovery requests...
2009-10-30 12:03:07:380: Checking for subject discovery requests...
2009-10-30 12:03:07:218: Checking for subject discovery requests...
2009-10-30 12:00:37:441: Checking for subject discovery requests...
2009-10-30 12:00:36:995: Checking for subject discovery requests...
2009-10-30 12:00:36:944: Checking for subject discovery requests...
2009-10-30 12:00:11:756: Checking for subject discovery requests...
2009-10-30 12:00:11:684: Checking for subject discovery requests...
2009-10-30 12:00:11:652: Checking for subject discovery requests...
2009-10-30 11:57:11:568: Checking for subject discovery requests...
2009-10-30 11:57:11:540: Checking for subject discovery requests...
2009-10-30 11:57:11:494: Checking for subject discovery requests...
2009-10-29 13:45:48:739: Checking for subject discovery requests...

Connected to: `https://10.20.70.21:8443`

Gateway Connector (Mockup)

Connector Type:

CONNECT NHIN Gateway Sender

Mode:

Gateways:

Registration Parameters:

Name	Value
source-patient-id	\${patientId}
language-code	en-us
author-personName	\${authorName}

Displays list of gateways

Document Content:

Content will be
sent as MTOM
attachment

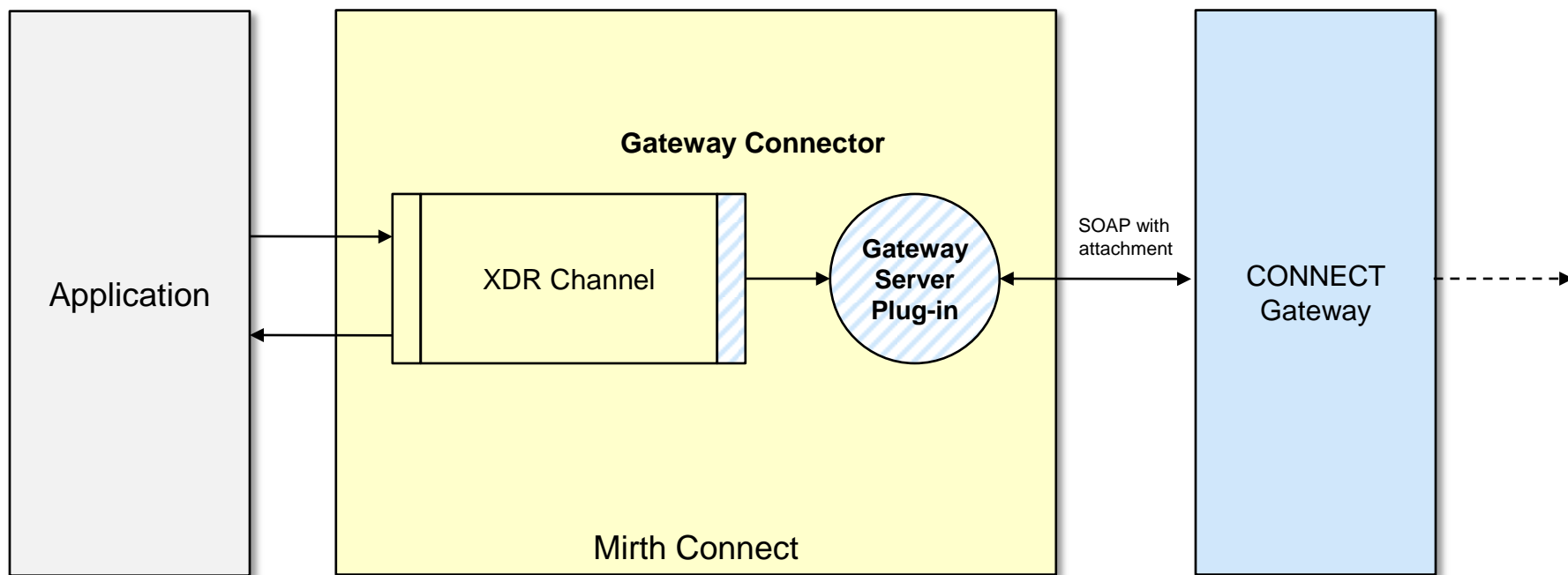
Document MIME Type:

Assertion Parameters:

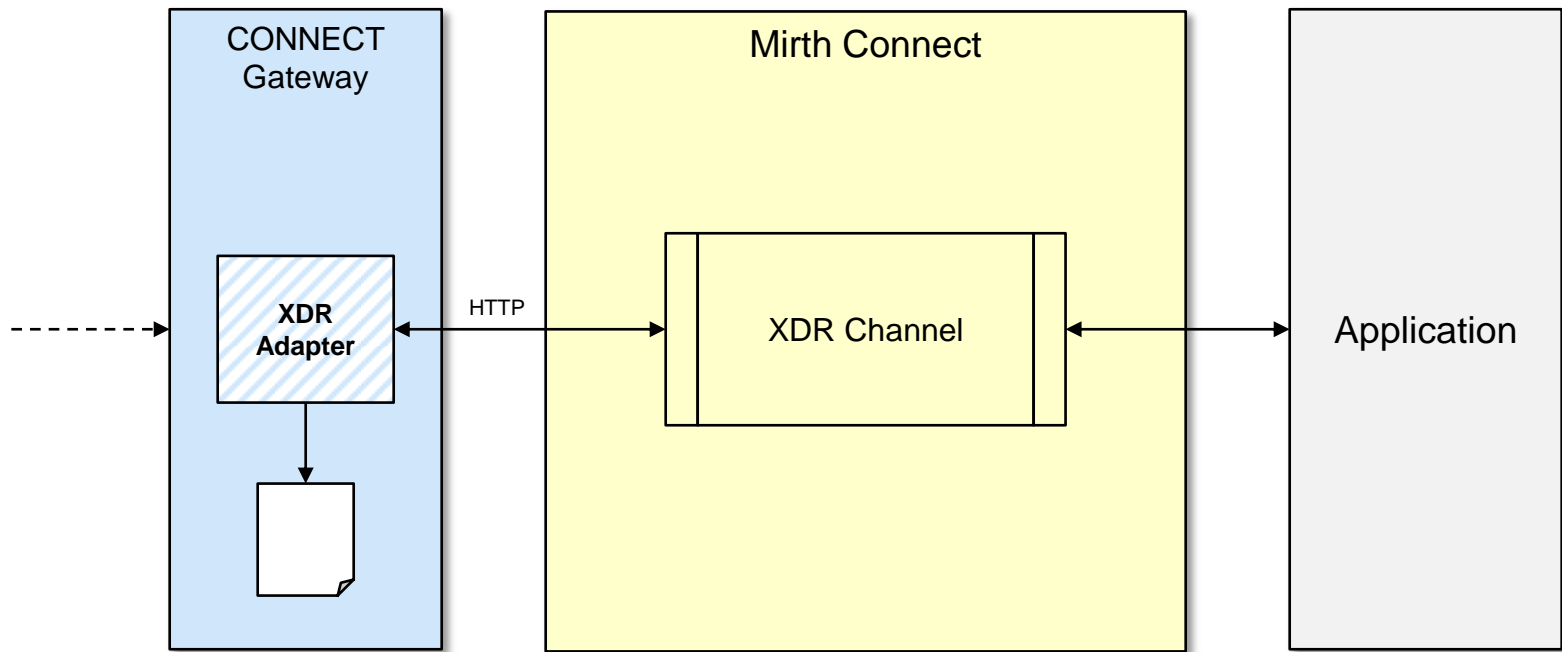
Name	Value
person-name-give	\${firstName}

Send response to:

Gateway Connector



XDR Adaptor



Tasks

1. Update the Gateway Library (used by plugin) to support P&R web service calls
2. Implement connector panel to set metadata for document registration
3. Integrate with existing Gateway Connector and test
4. Document connector installation and configuration