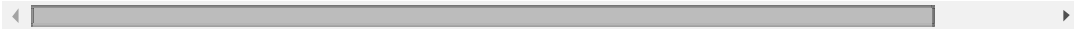# Mirth Connect and HL7 v3 message validation

I'm using Mirth Connect (stable version) to create interfaces for HL7v3. I've created an interface to recieve a PRPA_IN201305UV02 message.

At this point I want to do some sort of validation of the incoming XML message. After some search I discovered that HL7 has schemas files (xsd) to verify the correctness of the messages.

So, I'm trying to implement the validation against a xsd file. Searching the mirth forum one of the administrators posted a link to a java library for xml validation.

In my channel source transformer I wrote the javascript based on that link.

```
// parse an XML document into a DOM tree
var parser = Packages.javax.xml.parsers.DocumentBuilderFactory.newInstance().newDocumen
var document = parser.parse(msg);
```

The last line of code is getting me an error when I recieve a message

```
Wrapped java.net.MalformedURLException: no protocol
```

I tried also with

```
var document = parser.parse(messageObject.getRawData());
```

But I get the same error.

What is missing here? Is this the best way to do a XML validation on Mirth Connect?

Thank you

javascript   xml   mirth   hl7-v3

edited Jun 26 '13 at 13:44   asked Jun 26 '13 at 11:56
                                            capzulu
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add a comment

1 Answer

I have found this answer

And I transformed that to Javascript in Mirth

```
var schemaFile = new Packages.java.io.File("C:\\schema.xsd");
var url = new Packages.java.net.URL("file:C:\\input.xml");
var xmlFile = new Packages.javax.xml.transform.stream.StreamSource(url);
var schemaFactory = Packages.javax.xml.validation.SchemaFactory.newInstance("http://www
var schema = schemaFactory.newSchema(schemaFile);

var validator = schema.newValidator();

try {
    validator.validate(xmlFile);
    logger.info('valid');
} catch (err) {
    logger.error(err.toString());
}
```

You need to download JAXP (Java API for XML Processing) from here

I hope it helps others

answered Jul 30 '13 at 11:38

capzulu
61 1 7

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mirth hl7-v3 **or ask your own question.**