Question Yone Moreno · Jun 24, 2020

How could we test a TCP HL7 service?

Hello,

We wonder how could we send an HL7 message to a service to test it.

For example, we have a service, at localhost port 19111

We have tried to use SoapUI to send a REST POST request as follows:

Request 1	r ^e C ^e C ^e ⊠
Method Endpoint Resource	Parameters 🛛 📷 🕂 🔞
POST • http://127.0.0.1:19111	0
(≝+× ™ 🖾 ▾ ヽ 🔞	
Image: style Name Value Style Level	×
· · · · · · · · · · · · · · · · · · ·	VDST
2	w w
	ff -
	80
	<u>a</u>
A.A.	
Required: Sets if parameter is required	
Туре	
Options:	
Av Media Type application/ison V 🖸 Post QueryString	
080624133634 ADT^A01 1001 P 2.2 1 ccc	
32^^^^[1000027800^^^A*123^^^B*100567^^^GeneralHospital*432^^^[1927]Patient*Test 19400102 F B 169 MY 57 5^^^[2000027800^^595959^^1[1	
NG~MI~48909 TEST PATIENT^ SE ^^^^ 0000547588 F	
4	
Auth Headers (0) Attachments (0) Representations (2) JMS Headers JMS Properties (0)	Headers (0) Attachments (0) SSL Info Representations (3) Schema JMS (0)

At the event log we see the following trace:

ID:	107
Type:	Warning
Text:	Discarding received non-HL7 data(197) 'POST / HTTP/1.1rlAccept-Encoding: gzip,deflaterlContent-Type: application/jsonrlContent-Length: 814rlHost: 127.0.0.1:19111rlConnection: Keep-AliverlUser-Agent: Apache-HttpClient/4.1.1 (java 1.5)rlr'

Then, if we try with POSTMAN as follows:

POST	to TCP hl7	service	Comments 0 Examples 0 V
POST	Ŧ	http://localhost:19111	Send • Save •
arams	Author	ization Headers (9) Body • Pre-request Script Tests Settings	Cookies Code
none	e 🔵 form	n-data 🌑 x-www-form-urlencoded 💿 raw 🜑 binary 🜑 GraphQL Text 🔻	
		CUS 2000 ver.4.3.12 Cape Canaveral eTLAB 888 20080624133634 ADT^A01 1001 P 2.2 1 ccc	
		811241212 1	
	1940010	27800^^^^A~123^^^B~100567^^^^GeneralHospital~432^^^C 1000027800^^^A~123^^^B~100567^^ 2 F B 169 MY ST^^CITYGOESHERE^MI^12345 (123)456-3604 (000)000-0000 M 4370 999-99-999	99
4 P		622^00^THAN^^^^623140^^ ^0^00000999999^0^ 000000999999000 I	
		45B F	

We observe:

ID:	113
Type:	Warning
Text:	Discarding received non-HL7 data(274) 'POST / HTTP/1.1rlContent-Type: text/plainrlUser-Agent: PostmanRuntime/7.25.0rlAccept: */*rlCache-Control: no- cacherlPostman-Token: a5e3c9fa-e674-4465-b7b6-9319d2796ff7rlHost: localhost:19111rlAccept-Encoding: gzip, deflate, brrlConnection: keep- aliverlContent-Length: 818rlr'

Would it be the only way to test services, pointing a TCP HL7 operation to the service, and send messages using the Test Action?

We mean that we are testing manually sending messages from the operation "ProbarADTs" to "Servicios.TCP.GeneralHospitalADT":

Interoperability > Production Configuration - (Producciones.EJERCICIO) Production Configuration		Start Stop		Q	Sort: Name Sta	atus Number View:		
Production Running Services 🚸	Processes 🕏	Category: Al V	Legend	Production : Operations				bbarADTs Ings Queue Log Messages Jobs Actions
Servicios.TCP.GeneralHospitalMulti	EnrutadorADT EnrutadorMulti EnrutadorORU			Operaciones.T Operaciones.T ProbarADTs			- 1	Appy Search: Basic Settings Enabled Effernal Registry ID IP Address 127.0.0.1 Port 19111

How could we do it from SoapUI or Postman?

<u>#Business Service</u> <u>#HealthShare</u>

Source URL: https://community.intersystems.com/post/how-could-we-test-tcp-hI7-service