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Article

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[Open Exchange](#)

## Visual Trace and the freedom of choice

Hey community, how are you doing?

How do you exercise your creativity? How do you test new ideas?

Over the years I have always thought about creating new things, modifying existing ones, experimenting, testing, breaking (it always happens), building again, starting over.

The contests promoted by InterSystems are an excellent source of motivation, obviously, the prizes bring a lot of attention and this you cannot deny. But not just prizes/rewards, they also give us a creative challenge, an opportunity to create, reimagine, test, experiment. And the beauty of it all is that you are free to do whatever you want!

I see these opportunities as a chance to create my own [What if...?](#) (That series where Marvel makes the authors free to re-imagine as stories at will) and I've been lucky to have an author who embraces these ideas with me 😊

Thanks [@José Pereira](#)

In the last Interoperability contest, I created the [Message Viewer](#) and in this current Interoperability contest I bring the Message Viewer again, but this time with our own Visual Trace!

Anyone who already works with InterSystems technology and knows the integration part (Ensemble / Interoperability), knows that Visual Trace has been there for a long time, in that same way, and there is no problem in it.

It works, displays the sequence diagram of your message, shows the details, brings the information, XML, etc. But... just because it works, can't I re-imagine? Trying to bring a new perspective and maybe encourage a little change?

Steve Rogers is there as an example, Captain America, one of Marvel's main characters and they still re-imagined, created, tested Peggy Carter as Captain

So let's talk a little bit about our new "Peggy Carter", I mean, Visual Trace!

Our good old Visual Trace is represented below:

## VISUAL TRACE

Session ID: 1196 [Legend](#) [Printable Version](#) Go to items 1 - 2 Items per page 40 Show events ☒ Show internal items ☐ Apply Filter None [Previous Page](#) [Next Page](#) [Previous Session](#) [Next Session](#)

**Services**  
diashenrique.messageviewer.Service.SendMessage  
**Operations**  
diashenrique.messageviewer.Operation.ConsumeMessageClass

```
sequenceDiagram
    participant S as diashenrique.messageviewer.Service.SendMessage
    participant O as diashenrique.messageviewer.Operation.ConsumeMessageClass
    S->>O: 2021-10-18 11:03:22.463 SimpleMessage
    O-->>S: 2021-10-18 11:03:22.463 NULL
```

**Header** Body Contents  

<ObjectId>	1196
TargetQueueName	diashenrique.messageviewer.Operation.ConsumeMessag...
Type	Request
Invocation	Queue
CorrespondingMessageId	1197
Session Id	1196
SourceConfigName	diashenrique.messageviewer.Service.SendMessage
TargetConfigName	diashenrique.messageviewer.Operation.ConsumeMessag...
SourceBusinessType	BusinessService
TargetBusinessType	BusinessOperation
BusinessProcessId	
ReturnQueueName	_SyncCall:387
MessageBodyClassName	diashenrique.messageviewer.Message.SimpleMessage
MessageBodyId	598
Description	
SuperSession	
Resent	
Priority	Sync
TimeCreated	2021-10-18 11:03:22.463
TimeProcessed	2021-10-18 11:03:22.463
Status	Completed
Is Error?	0
ErrorStatus	OK
Banked	0

Now, imagine having a thousand of messages here and you can't resend a simple message easily?!

You would have to go back to the Message Viewer screen, dig through, search and resend your message.

Management Portal [Home](#) [About](#) [Help](#) [Logout](#) [Menu](#)

Server 42bb594a1e18 Namespace MSGVIEWER [Switch](#) User \_SYSTEM Licensed To InterSystems IRIS Community Instance IRIS

Interoperability > Message Viewer

# Message Viewer

[Search](#) [Cancel](#) [Reset](#) [Resend](#) [Previous](#) [Next](#) [Export](#)

Sort Order: Newest First Page Size: 100

Time Format: Complete Page: 1

Basic Criteria

Status: All Type: Session Start

Start Time: End Time:

Source: Target:

Extended Criteria

Saved Searches

#	ID	Time Created	Session	Status	Error	Source	Target
1	1200	2021-10-18 11:03:22.464	1200	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
2	1198	2021-10-18 11:03:22.463	1198	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
3	1196	2021-10-18 11:03:22.463	1196	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
4	1194	2021-10-18 11:03:22.462	1194	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
5	1192	2021-10-18 11:03:22.460	1192	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
6	1190	2021-10-18 11:03:22.460	1190	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
7	1188	2021-10-18 11:03:22.459	1188	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
8	1186	2021-10-18 11:03:22.458	1186	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
9	1184	2021-10-18 11:03:22.457	1184	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
10	1182	2021-10-18 11:03:22.457	1182	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
11	1180	2021-10-18 11:03:22.456	1180	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
12	1178	2021-10-18 11:03:22.455	1178	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
13	1176	2021-10-18 11:03:22.455	1176	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
14	1174	2021-10-18 11:03:22.453	1174	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
15	1172	2021-10-18 11:03:22.452	1172	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
16	1170	2021-10-18 11:03:22.452	1170	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
17	1168	2021-10-18 11:03:22.451	1168	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
18	1166	2021-10-18 11:03:22.450	1166	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
19	1164	2021-10-18 11:03:22.450	1164	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
20	1162	2021-10-18 11:03:22.449	1162	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
21	1160	2021-10-18 11:03:22.448	1160	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
22	1158	2021-10-18 11:03:22.447	1158	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
23	1156	2021-10-18 11:03:22.446	1156	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
24	1154	2021-10-18 11:03:22.446	1154	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
25	1152	2021-10-18 11:03:22.445	1152	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
26	1150	2021-10-18 11:03:22.444	1150	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
27	1148	2021-10-18 11:03:22.444	1148	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass
28	1146	2021-10-18 11:03:22.443	1146	Completed	OK	diashenrique.messageviewer.Service.SendMessage	diashenrique.messageviewer.Operation.ConsumeMessageClass

That's why, we thought about showing that it is possible, bringing information with a new look, offering a simple functionality and I believe it can help and make life a little easier for the developer.



Interoperability > Message Viewer

Server 42bb594a1e18 | Instance IRIS

Message Viewer

MSGVIEWER 1200 Send < >

Header Body Content

Expand All

```
<?xml version="1.0" ?>
<!-- type: diashenrique.messageviewer.Message.SimpleMessage id: 600 -->
<SimpleMessage xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:s="http://www.w3.org/2001/XMLSchema">
  <ClassMessage>Message Generated By CreateBusinessService
    741</ClassMessage>
</SimpleMessage>
```

## DEMO

<https://iris-message-viewer.contest.community.intersystems.com/csp/msgviewer/messageviewer.csp>

If you liked the app and think we deserve your vote, please vote for IRIS Message Viewer!

<https://openexchange.intersystems.com/contest/current>

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Source URL: <https://community.intersystems.com/post/visual-trace-and-freedom-choice>