

Question

[Yone Moreno](#) · Mar 5, 2021

Creating a RESTful Service, why custom method does not return the expected JSON?

First of all thank you for your time in reading this question and writing a response,

We would need some help,

-> Our objective is to control which method is being used in the service: GET POST PUT

We have tried to understand the example REST Service: Demo.REST.DirectoryService

After that we have tried to create our own custom rest service,

please take a few minutes to examine the following code:

Code

We are able to use "retrievePerson" successfully

We send:

http://localhost:19622/aplicaciones/scs/test/miscs/employee/name/Q*/salary

We observe:

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON ↕

```
1  [
2    {
3      "name": "Quixote,Lola E.",
4      "salary": "29769"
5    },
6    {
7      "name": "Quince,Dave H.",
8      "salary": "75895"
9    },
10   {
11     "name": "Quixote,Robert T.",
12     "salary": "57333"
13   },
14   {
15     "name": "Quigley,Stuart E.",
16     "salary": "43477"
17   },
```

With headers:

▶ GET Retrieve person

GET http://localhost:19622/aplicaciones/scs/test/miscs/employee/name/Q*/salary

Params Authorization **Headers (8)** Body Pre-request Script Tests Settings

Headers 7 hidden

	KEY	VALUE
<input type="checkbox"/>		
	Key	Value

Body Cookies **Headers (4)** Test Results

	KEY	VALUE
	Content-Type ⓘ	application/json
	Content-Length ⓘ	288
	CACHE-CONTROL ⓘ	no-cache
	PRAGMA ⓘ	no-cache

Here comes the challenge:

When we issue:

<http://localhost:19622/aplicaciones/scs/test/miscs/consultarImagen>

With the following body:

```
{
  "idApp": "miHistoria",
  "usuario": "11473564",
  "numExpediente": "11473564"
}
```

It replies nothing:

The screenshot shows a REST client interface with the following details:

- Navigation tabs: Body, Cookies, Headers (4), Test Results
- Status bar: Status: 200 OK, Time: 716 ms, Size: 106 B, Save Response
- Response body area: Pretty, Raw, Preview, Visualize, HTML, and a search icon.
- Content: A single line of text, "1", is visible in the response body area.

With the headers:

KEY	VALUE
Content-Type	text/html
Content-Length	0
CACHE-CONTROL	no-cache
PRAGMA	no-cache

Besides if we check the trace we see:

The screenshot shows a trace of a REST service call. The left pane displays a sequence of messages between three components: **Servicios** (Services), **Procesos** (Processes), and **Operaciones** (Operations). The messages are labeled with IDs and timestamps, and include the operation name 'ConsultarImagen'. The right pane shows the XML body of the message, which is a response from the 'Operaciones' component to the 'Procesos' component.

```

<?xml version="1.0" ?>
<!-- type: Mensajes.Response.miSCS.ConsultarImagen id: 1766095 -->
<ConsultarImagen>
  <resultado>true</resultado>
  <informacion>No existe informacion a mostrar</informacion>
</ConsultarImagen>
    
```

ID de sesión: 14103018 Leyenda Versión imprimible Ir a elementos 1 - 9 Elementos por página 200 Mostrar eventos Mostrar elementos internos Aplicar fi

This screenshot shows the same trace as above, but the right pane displays detailed metadata for the selected message. The metadata includes the message ID, type, text, registration time, origin, session ID, job ID, class, method, and step tracking.

```

Id.: 27238017
Tipo: Info
Texto: respuesta: {
  "resultado":true,
  "informacion":"No existe informacion a mostrar",
  "error":null
}
Registrado: 2021-03-05 16:39:21.388
Origen: Servicios.REST.miSCS.Pruebas
Sesión: 14103018
Job: 6652
Clase: Servicios.REST.miSCS.Pruebas
Método: consultarimagen
Seguimiento paso a paso: (ninguno)
Pila:
    
```

ID de sesión: 14103018 Leyenda Versión imprimible Ir a elementos 1 - 9 Elementos por página 200 Mostrar eventos Mostrar elementos internos Aplic

The screenshot displays a sequence diagram with three lanes: 'Servicios', 'Procesos', and 'Operaciones'. The 'Servicios' lane contains 'Servicios.REST.miSCS Pruebas', 'Procesos' contains 'miSCS', and 'Operaciones' contains 'Operaciones.REST.miSCS miSCS'. A vertical axis on the left is labeled 'Hora' with a downward arrow. Five messages are shown: [1] 'ConsultarImagen' from Services to Processes at 16:39:21.349; [2] 'ConsultarImagen' from Processes to Operations at 16:39:21.354; [3] an unlabeled message from Operations to Processes; [4] 'ConsultarImagen' from Operations to Services at 16:39:21.383; and [5] 'ConsultarImagen' from Services to Processes at 16:39:21.385. To the right, a log entry for 'Id.: 27238020' shows a 'Texto' field with a JSON response:

```
respuestaFinal: {
  "resultado":true,
  "informacion":"No existe informacion a mostrar",
  "error":null
}
```

 Other log fields include 'Registrado: 2021-03-05 16:39:21.388', 'Origen: Servicios.REST.miSCS.Pruebas', 'Sesión: 14103018', 'Job: 6652', 'Clase: Servicios.REST.miSCS.Pruebas', 'Método: consultarImagen', and 'Seguimiento paso a paso: (ninguno)'. The 'Pila' field is empty.

Why we do not see the reply in POSTMAN?

Why headers are "text/html" and not "application/json"?

Could you help us?

We have read:

<https://docs.intersystems.com/latest/csp/documatic/%25CSP.Documatic.cls?...>

[https://docs.intersystems.com/latest/csp/docbook/Doc.View.cls?KEY=GREST ...](https://docs.intersystems.com/latest/csp/docbook/Doc.View.cls?KEY=GREST...)

Could you point us to some code, examples or documentation?

Thank you for your replies

[#Code Snippet](#) [#REST API](#) [#Ensemble](#)

Source URL: <https://community.intersystems.com/post/creating-restful-service-why-custom-method-does-not-return-expected-json>