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# Overview of Simulators for PS-CA and CA:FeX

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Canada Health Infoway  
Inforoute Santé du Canada



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## Simulation of Server-Side Actors: Data Recipient and Data Responder

### Swagger:

- Swagger documentation : <https://ps-swagger.apibox.ca>
- API endpoint : <https://ps-swagger-api.apibox.ca/cafex>

### Pre-loaded PS-CA Bundles

Patient identifier	Patient name	Timestamp	Notes
11111111	Evelyn McCurdy	2022-01-04	
22222222	Robert Gray	2022-01-05	
55555555	Mark Gray	2019-12-16	All data points populated
33333333	Jane Smith	2022-01-04	
44444444	John Doe	2022-01-05	
66666666	Nicholas Gray	2019-12-16	All data points populated

### Searching for the pre-loaded bundles:

GET:

[https://ps-swagger-api.apibox.ca/cafex/Bundle?composition.patient.identifier={patient\\_identifier}](https://ps-swagger-api.apibox.ca/cafex/Bundle?composition.patient.identifier={patient_identifier})

GET Example:

<https://ps-swagger-api.apibox.ca/cafex/Bundle?composition.patient.identifier=11111111>

The operation returns a *searchset* bundle with a single entry: the PS-CA *document* bundle. The PS-CA *document* bundle includes its id. Once the id is known, the *document* bundle can be retrieved directly using:



GET:

<https://ps-swagger-api.apibox.ca/cafex/Bundle/{id}>

GET Example:

<https://ps-swagger-api.apibox.ca/cafex/Bundle/21>

**NOTE:** Other search capabilities, including search by timestamp are also available.

## Simulation of Client-Side Actors: Data Source and Data Consumer

The Ace Swagger UI at <https://ps-swagger.apibox.ca> can be used to simulate the client-side CA:FeX actors. In the Swagger interface, in the “Servers” combo box, replace the default API endpoint (the server-side actor simulator) with the address of the Gazelle proxy:

The screenshot shows the Swagger UI for the Patient Summary API (CA:FeX). The interface includes the following elements:

- Header: Canada Health Inforoute Santé du Canada | Swagger UI | PS-CA\_(CA-FeX) v
- Title: Patient Summary API (CA:FeX) 0.2 OAS3
- Description: RESTful APIs used to save and retrieve Patient Summary documents.
- Based on: [CA:FeX profile](#)
- Note:
  - Where applicable, FHIR search interactions are required to support both GET and POST methods. In the POST variant, parameters may appear in both the URL and the body. See [FHIR search](#) for more details.
  - This page is intended to be used as dynamic documentation for the PS-CA CA:FeX APIs. Please do not include any PI/PHI in the documents exchanged via this page.
  - The data served by this page is ephemeral and should not be considered as persistent in the long term.
- Servers: A dropdown menu showing the default server URL: `https://ps-swagger-api.apibox.ca`. A red arrow points to this dropdown with the text: "type the Gazelle proxy address here, including port number".

**NOTE:** All APIs initiated from the Ace Swagger UI will be dispatched to the Gazelle proxy.