LACPASS

Workshop: Pruebas Master Patient Index (MPI)

MPI Tests Workshop

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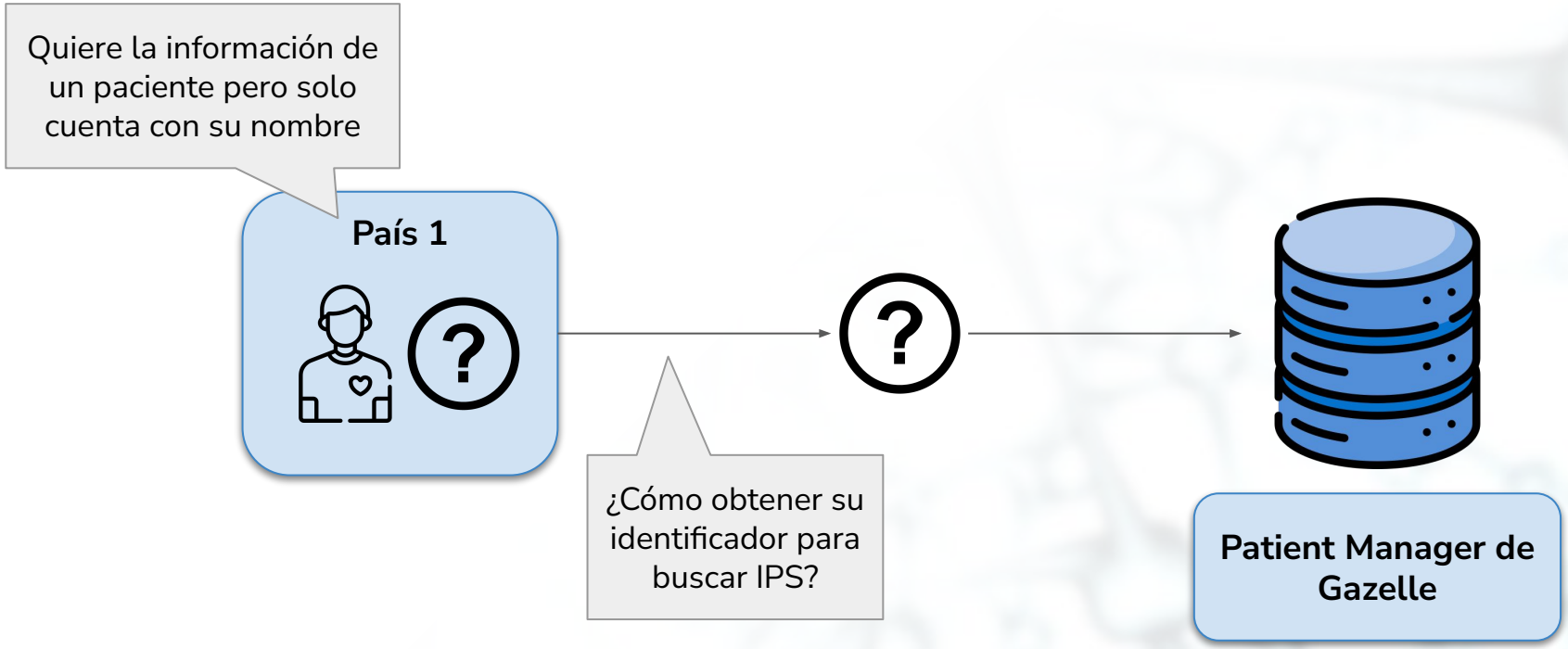
Motivación Patient Manager (MPI)

Motivation for Patient Manager (MPI)



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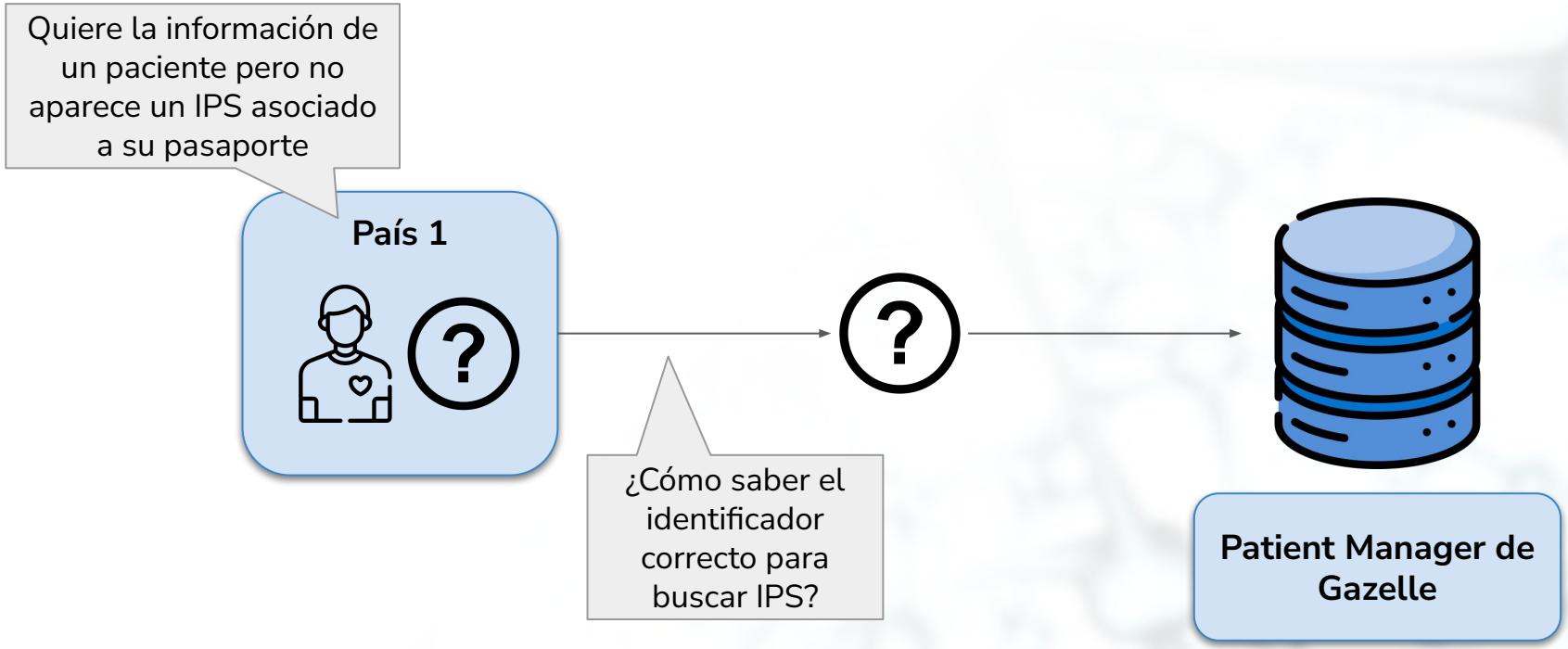
Motivación Patient Manager (MPI)

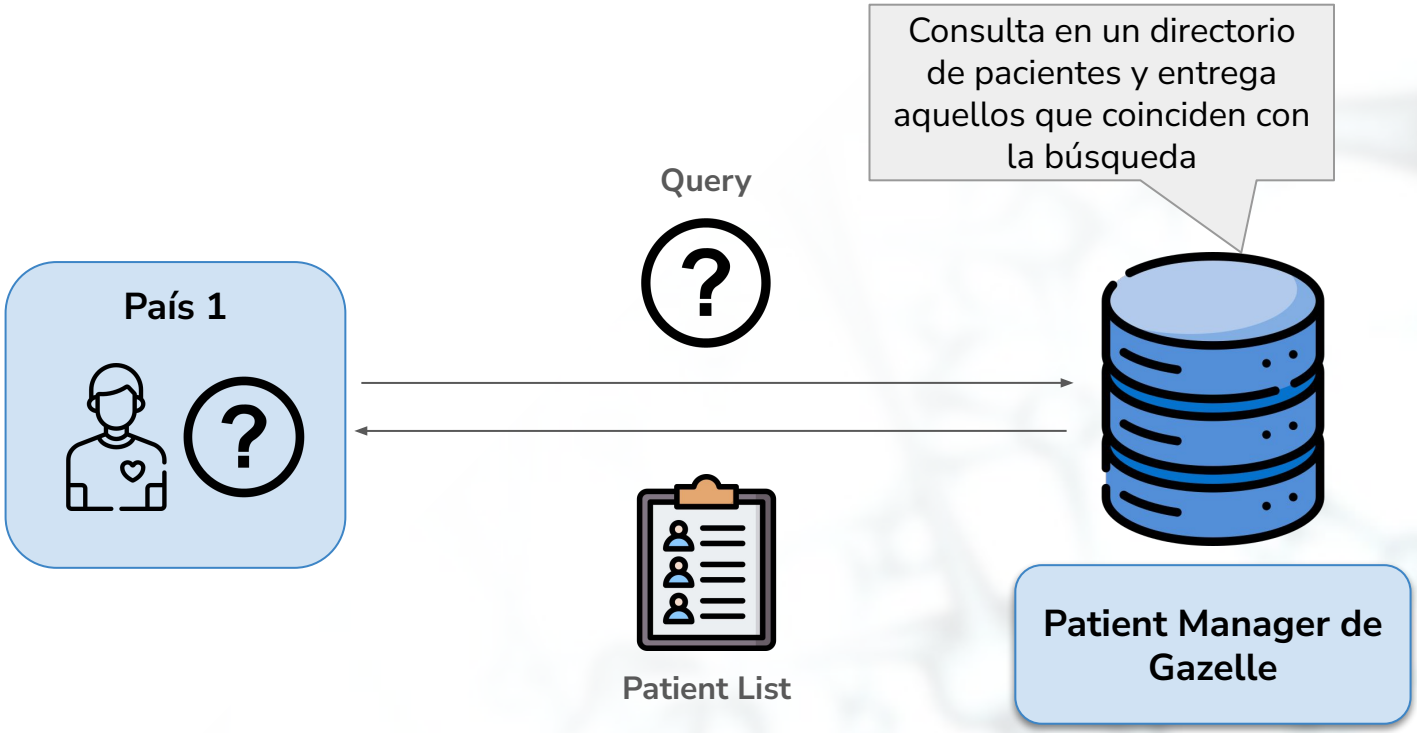
Motivation for Patient Manager (MPI)



CREATE

Motivación Patient Manager (MPI)

Motivation for Patient Manager (MPI)



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Master Patient Index (MPI)

El **MPI** o **Patient Manager** es una base de datos electrónica que contiene datos demográficos esenciales de pacientes que reciben asistencia clínica.

El **objetivo principal** del MPI es vincular correctamente historiales de paciente identificando de forma única a cada individuo. Esto se consigue **almacenando información** personal como nombre, fecha de nacimiento, sexo y otros datos relevantes, y asignando un **identificador único** a cada persona.

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Perfiles IHE del MPI

IHE Profiles in MPI

PIXm (Patient Identity Cross-Reference for mobile)
Supports the access to a central registry of cross-referenced patient identities, and the feed of patient identity updates from distributed patient identity domains.
Permite el acceso al registro central de pacientes con referencias cruzadas y autoriza actualizaciones de identidades de pacientes.

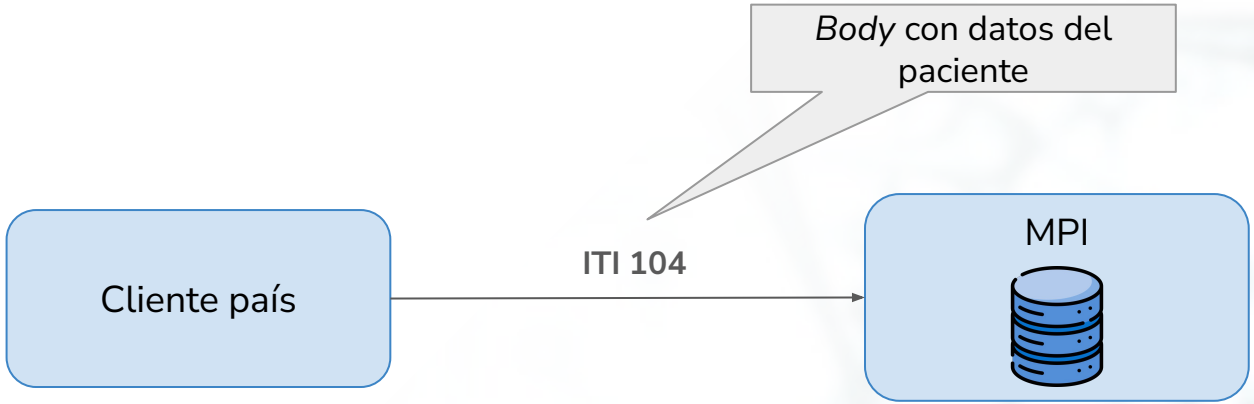
PDQm (Patient Demographics Query for mobile)
Enables client systems to discover full identity information on a Patient given some set of demographics information the client knows.
Permite obtener información completa sobre la identidad de un Paciente a partir de un conjunto de datos demográficos.

CREATE

Transacciones PIXm

PIXm Transactions

ITI-104: Patient Identity Feed FHIR



Endpoint
https://gazelle.racsel.org/pixm-connector/fhir

CREATE

Transacciones PIXm

PIXm Transactions

ITI-104: Patient Identity Feed FHIR

Ejemplo URL POST (Crear Paciente):

```
https://gazelle.racsel.org/pixm-connector/fhir/Patient?identifier=urn:oid:2.16.152%7C26275857
```

Ejemplo *body*:

```
{     "resourceType" : "Patient",
  "id" : "PatientPIXmFeed",
  "meta" : { … },
  "text" : { … },
  …
```

CREATE

Transacciones PIXm

PIXm Transactions

ITI-104: Patient Identity Feed FHIR

Ejemplo *body*:

```
...
"identifier" : [
    {
      "type" : {
        "coding" : [
          {
            "system" : "http://terminology.hl7.org/CodeSystem/v2-0203",
            "code" : "TAX"
          }
        ]
      },
      "system" : "urn:oid:2.16.756.888801.3.4",
      "value" : "26275857"
    }
...
```

Transacciones PIXm

PIXm Transactions

ITI-104: Patient Identity Feed FHIR

Ejemplo *body*:

```
...
"name" : [
    {
      "family" : "Olivieri",
      "given" : [ "Albani" ]
    }
  ],
"address" : [
    {
      "line" : "La Reina",
      "city" : "Santiago",
      "country" : "Chile"
    }
  ],
...
```

Transacciones PIXm

PIXm Transactions

ITI-104: Patient Identity Feed FHIR

Ejemplo *body*:

```
...
  "gender" : "female",
  "birthDate" : "1999-05-05",
  "managingOrganization" : {
    "identifier" : {
      "system" : "urn:oid:2.16.152",
      "value" : "Create"
    }
  }
  }
```

CREATE

Transacciones PIXm

PIXm Transactions

ITI-104: Patient Identity Feed FHIR

Ejemplo respuesta:


```
{   "resourceType": "Patient",
    "id": "f26d7f82-a096-4f3e-89b0-03a77fe66298",
    "identifier": [ {
            "system": "urn:oid:2.16.756.888801.3.4",
            "value": "26275857-5" } ],
    "active": true,
    "name": [ { "family": "Olivieri",
                "given": [ "Albani" ] } ],
    "gender": "female",
    "birthDate": "1999-05-05",
    "address": [ {
            "line": [ "Vitacura" ],
            "city": "Santiago",
            "country": "Chile" } ] }
```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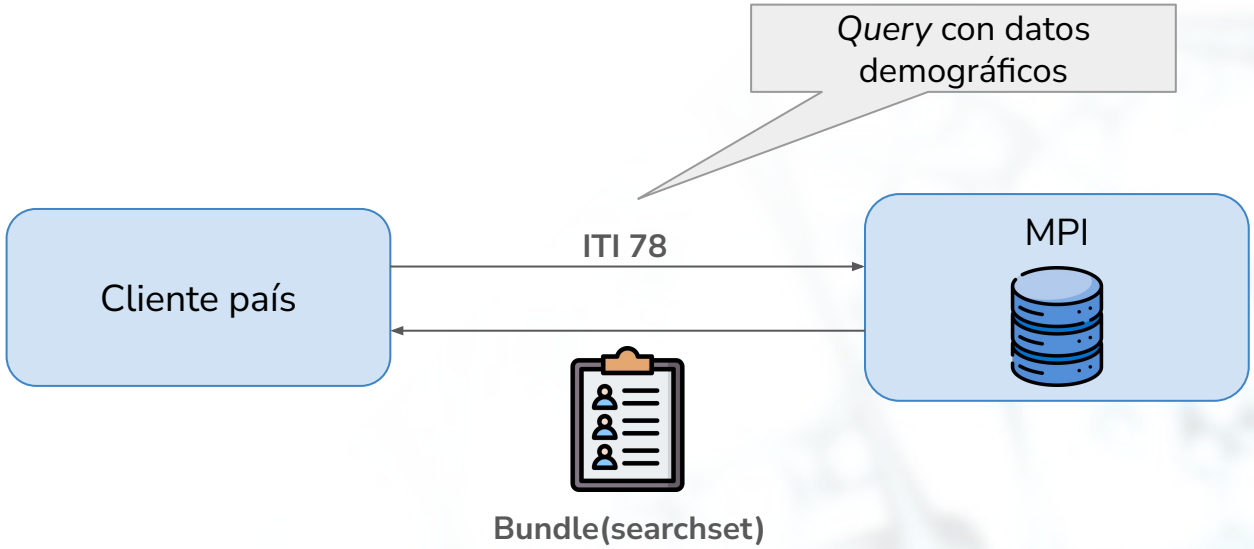
Transacciones PDQm

PDQm Transactions

ITI-78: Mobile Patient Demographics Query



Endpoint
https://gazelle.racsel.org/pdqm-fhir-simulator/IHE/fhir/

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Transacciones PDQm

PDQm Transactions

ITI-78: Mobile Patient Demographics Query

Ejemplo URL GET (nombre y apellido):

```
https://gazelle.racsel.org/pdqm-fhir-simulator/IHE/fhir/Patient?family=Martinez&given=María
```

Ejemplo respuesta:

```
{   "resourceType": "Bundle",
    "id": "5e3344c2-23bd-4320-b72d-cab6680441f8",
    "meta": { "lastUpdated": "2024-09-04T15:32:56.440+02:00" },
    "type": "searchset",
    "total": 1,
    "link": [ … ],
    "entry": [  …  ]
}
```

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Transacciones PDQm

PDQm Transactions

ITI-78: Mobile Patient Demographics Query

Ejemplo respuesta:


```
      … "entry": { "fullUrl":
"http://127.0.0.1:8649/pdqm-fhir-simulator/IHE/fhir/Patient/7a722cc8-3887-4b5c-8a8d-2fd1dbf8b9d6",
                  "resource": {
                        "resourceType": "Patient",
                        "id": "7a722cc8-3887-4b5c-8a8d-2fd1dbf8b9d6",
                        "text": { … },
                        "identifier": [ {
                               "system": "urn:oid:2.16.756.888801.3.4",
                               "value": "97745647" } ],
                        "active": true,
                        "name": [ {
                               "family": "Martinez",
                               "given": [ "María" ] } ],
                        "gender": "female",
                        "birthDate": "2016-03-22",
                        "address": [ {
                               "line": [ "Calle 30" ],
                               "city": "Quibdo Choco",
                               "country": "Colombia" } ] } } }
```

Transacciones PDQm

PDQm Transactions

ITI-78: Mobile Patient Demographics Query

Ejemplo URL GET (identificador):

https://gazelle.racsel.org/pdqm-fhir-simulator/IHE/fhir/Patient?identifier=26275857

Ejemplo respuesta:


```
{ … entry: [ { "fullUrl": …,
               "resource": {
                  "resourceType": "Patient",
                  "id": "f26d7f82-a096-4f3e-89b0-03a77fe66298",
                  "text": { … },
                  "identifier": [
                      { "system": "urn:oid:2.16.756.888801.3.4",
                        "value": "26275857-5" } ],
                  "active": true,
                  "name": [ { "family": "Olivieri",
                              "given": [ "Albani" ] } ],
                  "gender": "female",
                  "birthDate": "1999-05-05",
                  "address": [ { "line": [ "Vitacura" ],
                                 "city": "Santiago",
                                 "country": "Chile" } ] } } ] }
```

Transacciones PDQm

PDQm Transactions

ITI-78: Mobile Patient Demographics Query

Ejemplo URL GET (país y nombre):

https://gazelle.racsel.org/pdqm-fhir-simulator/IHE/fhir/Patient?address-country=Chile&given=Albani

Ejemplo respuesta:

```
{ … entry: [ { "fullUrl": …,
               "resource": {
                  "resourceType": "Patient",
                  "id": "f26d7f82-a096-4f3e-89b0-03a77fe66298",
                  "text": { … },
                  "identifier": [
                      { "system": "urn:oid:2.16.756.888801.3.4",
                        "value": "26275857-5" } ],
                  "active": true,
                  "name": [ { "family": "Olivieri",
                              "given": [ "Albani" ] } ],
                  "gender": "female",
                  "birthDate": "1999-05-05",
                  "address": [ { "line": [ "Vitacura" ],
                                 "city": "Santiago",
                                 "country": "Chile" } ] } } ] }
```

CREATE

Transacciones PDQm

PDQm Transactions

ITI-78: Mobile Patient Demographics Query

Otras *queries*:

- ➔ Active and given name: https://gazelle.racsel.org/pdqm-fhir-simulator/IHE/fhir/Patient?active=false&given=Albani
- ➔ Birthdate and gender: https://gazelle.racsel.org/pdqm-fhir-simulator/IHE/fhir/Patient?birthdate=1950-03-24&gender=female
- ➔ Gender, name, active and country: https://gazelle.racsel.org/pdqm-fhir-simulator/IHE/fhir/Patient?gender=female&given=Albani&active=true&address-country=Chile
- ➔ Gender, name, active and identifier: https://gazelle.racsel.org/pdqm-fhir-simulator/IHE/fhir/Patient?gender=male&identifier=18922652-7&family=Peñafiel&given=Sergio
- ➔ Name and address: https://gazelle.racsel.org/pdqm-fhir-simulator/IHE/fhir/Patient?address=Santiago&given=Albani

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Transacciones PDQm

PDQm Transactions

ITI-78: Mobile Patient Demographics Query

Otras *queries*:

- ➔ City, country and last name: https://gazelle.racsel.org/pdqm-fhir-simulator/IHE/fhir/Patient?address-city=Santiago&address-country=Chile&family=Olivieri
- ➔ Postalcode: https://gazelle.racsel.org/pdqm-fhir-simulator/IHE/fhir/Patient?address-postalcode=3018
- ➔ Identifier and last name: https://gazelle.racsel.org/pdqm-fhir-simulator/IHE/fhir/Patient?identifier=26275857&family=Olivieri
- ➔ Last updated, active and name: https://gazelle.racsel.org/pdqm-fhir-simulator/IHE/fhir/Patient?_lastUpdated=2024-09-04&active=true&given=Albani

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Más información

Further reading

https://build.fhir.org/ig/IHE/ITI.PDQm/toc.html

https://build.fhir.org/ig/IHE/ITI.PIXm/toc.html

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