

Web Service / API

Do Not Pay Portal Quick Reference Card

FAQ's

What is a Web Service?

A Web Service is defined as any machine-to-machine interaction that takes place over a network, typically using the Hypertext Transfer Protocol (HTTP) used on the web. It is commonly referred to as an Application Program Interface (API). The type of API offered by Do Not Pay (DNP) is REpresentational State Transfer (REST).

What is DNP Web Service?

The DNP Web Service creates a connection with agency payment systems and the DNP Portal; this integrates the functionalities of the DNP Portal within agency internal systems.

What are the benefits of a DNP Web Service?

There are four primary benefits of establishing a DNP Web Service:

- Greater efficiencies since users do not have to go back and forth between systems
- Portal functionalities can be customized to agency needs, from the user interface to reporting
- Portal data sources can be shared with third parties who may be processing applications for eligibility
- Technical resources from DNP are available to help establish the Web Service

How is DNP Web Service established?

The first step is to contact your Office of Payment Integrity (OPI) Agency Lead or Agency Specialist or email OPI.outreach@fiscal.treasury.gov. They will help coordinate the partnership between the dedicated DNP API technical resource team and your agency programmers.

What are the security considerations?

Access to the DNP Web Service and associated data sources is administered through Agency Access Groups and Treasury-issued security certificates. Only those data sources approved for use by an Access Group will be available. Also, agencies are required to use supported X.509 certificates in order to interface with DNP Web Service. A certificate is presented to DNP Web Service whenever connections are initiated.

What is REST?

REST is an acronym that stands for REpresentational State Transfer. It defines the interface and conventions used between a web service provider and service consumers/clients. It uses the already familiar URL, HTTP Header, and Method standards to convey meaning to web service calls. The established HTTP verbs: GET, POST, UPDATE, and DELETE are used to represent action on a service, and the URL contents are used to represent data structures.

What are the query options?

There are currently two query options for API:

- **Single Query API** call contains the search criteria of one entity to be matched against your agency's approved data source(s). The response will include data source match result(s) for that single entity.
- **Multiple Query API** call contains the search criteria of up to 100 entities to be matched against your agency's approved data source (s). The response will include data source match result(s) for the searched entities.

Important Links

FAQs

<https://fiscal.treasury.gov/dnp/faqs.html>

Agency Support Center

For questions regarding API access, contact your OPI Agency Lead or Agency Specialist, or email OPI.outreach@fiscal.treasury.gov.

For questions regarding Portal access, contact the Agency Support Center at 855-837-4391 or by email at donotpay@stls.frb.org.

API Example Request/Response

[https://service/articles?filter\[author\]=John Doe](https://service/articles?filter[author]=John Doe)

```
"data":
[{
  {"attributes": {
    "name": "JOHN DOE",
    "tin": "123456789",
    "deathDate": "01/01/2000",
    "birthDate": "01/01/1930",
    "verifyOrProof": "P"
  },
  "id": "1001",
  "type": "dmf"
}]
```