



Pay.gov Web Services: System-to-system Transaction Communication

We are the **Bureau of the Fiscal Service**

Web Services Overview

Pay.gov's suite of web services allows agencies to communicate transaction information to Pay.gov via system-to-system or server-to-server interfaces. A typical Pay.gov web service involves a request message submitted by the agency and a response message returned by Pay.gov. Messages are in the form of XML files that conform to the schema specific to the web service used and can include one or multiple transactions.



Key Benefits and Features

KEY BENEFITS

Seamless Interaction

Customers begin and end their transaction on the agency's site. Depending on the service selected, customers may be automatically directed to Pay.gov for payment OR retained on the agency's site for the entire transaction.

Prioritize Agency Preference

Collect a customer's payment information for sending to Pay.gov or direct customers to Pay.gov to enter sensitive payment data – the choice is yours.

Streamlined Implementation

Industry-standard technology presents a single interface to the services. Development is simplified and shorter than other system-to-system interfaces.

Secure

Enhanced transaction security through HTTPS, SSL, TLS, and certificate-based authentication.

Technical requirements

Pay.gov web services require technical development from the agency. Pay.gov developers can provide guides to assist your agency with these requirements, but all agency-side development and maintenance is the responsibility of the agency. The following key technologies are used to implement web services.

- HTTPS
- Industry-standard technology, including Web Services Definition Language (WSDL) files and XML Schema Document (XSD) files.
- Certificate-based authentication

Getting started

The Pay.gov implementation team will guide you through every step of the process. To learn more, email pay.gov@fiscal.treasury.gov.

SERVICES, FEATURES, AND FUNCTIONALITY

Hosted Collection Pages (HCP)

The Hosted Collection Pages web service allows an agency to process transactions without collecting a customer's sensitive financial payment data. Customers start on an agency's website, are redirected to Pay.gov to make the payment, and return to the agency's website to complete the transaction.

HCP Payment Methods

- ACH debit
- Plastic card
- PayPal

Trusted Collection Services (TCS)

The Trusted Collection Services web services allow an agency to send transactions and receive responses using secure, server-to-server communication. Instead of being redirected to Pay.gov to complete a transaction, customers never leave the agency's website when completing a transaction.

- **TCS Single** allows your agency to send a single collection transaction to Pay.gov for immediate processing.
- **TCS Batch** allows your agency to submit multiple transactions in a single transmission sent to Pay.gov for offline processing. Optimized for high-volume collections.

TCS Payment Methods

- ACH debit
- Plastic card

Query Web Services

These services allow agencies to make ad hoc requests for detailed information about one or more transactions. Query services are not intended to be used for settlement or reconciling information; agencies should retrieve daily files from CIR or Pay.gov for this information.