



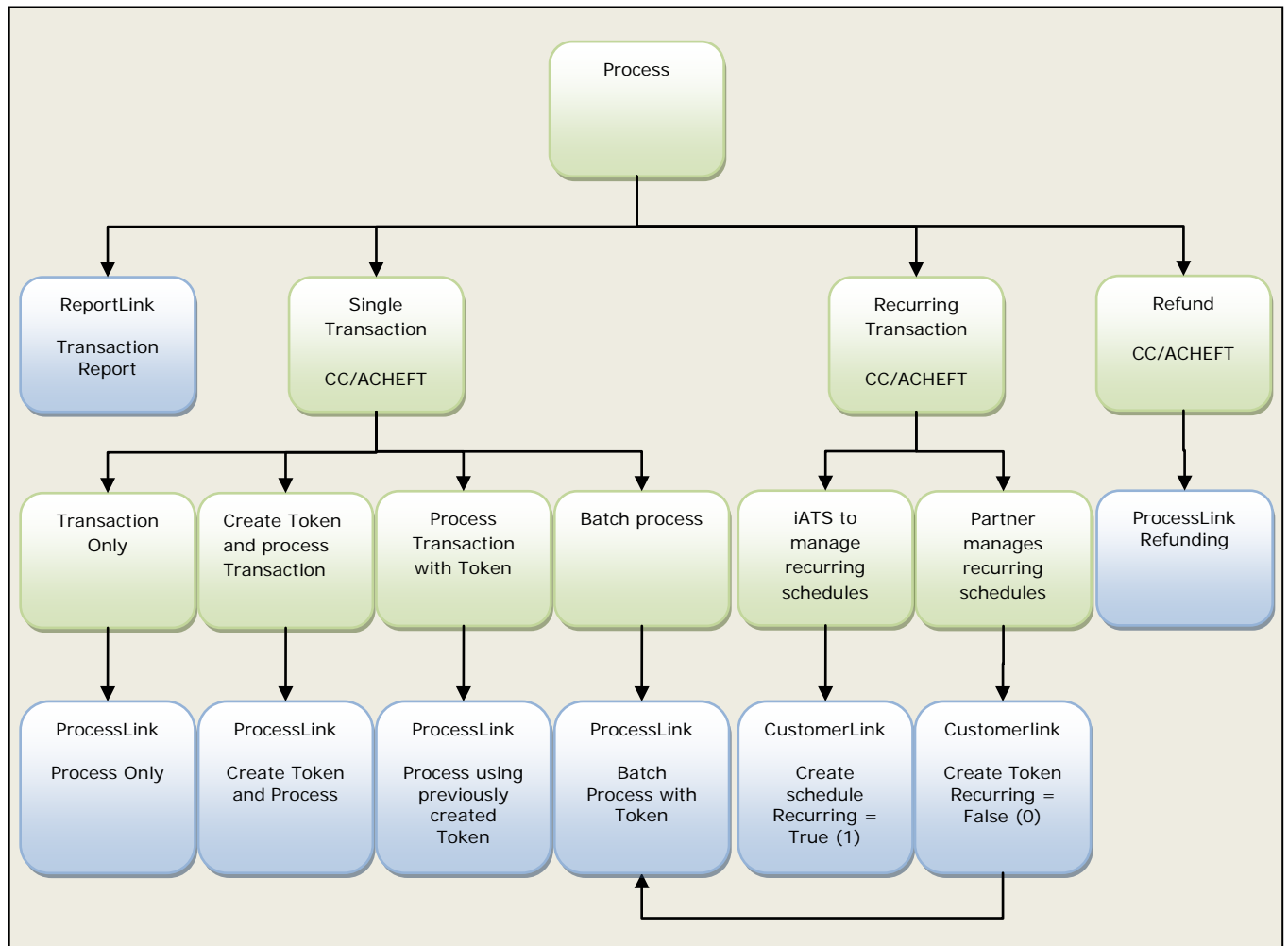
## **iATS Payments Web Services Overview**

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## Overview of iATS Web Services



iATSLink Web services allow you to securely process payments (using either credit cards or ACH or Direct Debit, which is authorized bank account withdrawal – referred to as ACHEFT) via your site or software platform. Because our Web services are based on open standards, the cost to implement is low and the associated learning curve is smaller than using a proprietary solution.

iATS Payments full range of Web services are separated into four categories to best serve your purposes:

**CustomerLink:**

iATS CustomerLink Web Services are used to create secure Tokens (Customer Codes) that can be used with iATS ProcessLink services for processing single or recurring transactions for credit cards or ACHEFT. Creating Tokens (Customer Codes) allows future transactions to be carried out using the same credentials without the need to store sensitive credit card or ACH information on local servers.

CustomerLink is primarily used for creating, updating, and deleting credit card and ACHEFT customer codes (tokens).

CustomerLink is also used to create recurring transactions where the recurring schedule is managed by iATS.

**ProcessLink:**

ProcessLink services are usually used in conjunction with our CustomerLink services.

ProcessLink, is for processing single and batch transactions and handling refunds, although it is also possible to use it to create specific customer codes at the same time as doing a transaction. ProcessLink can be used to process recurring transactions where the recurring schedule is managed by you.

**ReportLink:**

iATS ReportLink Web Services allow you to generate transaction reports for the majority of the services available from iATSLink Web services, giving you easy access to the status and effectiveness of your donation forms. Reports can be generated in either XML or CSV.

Available reports include summaries of all credit card transactions, direct debit transactions, rejected transactions and returns.

## How do iATS Web Services Work?

When clients sign up with iATS they are provided with a unique merchant account. With this account and once you set up the Web services you require, you will be able to process transactions directly from your donor database, website, or online fundraising solution (without having to negotiate with individual credit card companies and payment processing vendors).

Our Web services are standard SOAP messages that are supported by a server-side programming language. If your Web server is Microsoft Internet Information Server (MS IIS), you can use C# to write the server side code to use the Web service. If your server is PHP-based, you can write PHP code to use the Web service.

A SOAP message is an XML file that contains the following elements:

- An envelope element that identifies the XML document as a SOAP message
- A header element that contains header information
- A body element that contains call and response information
- A fault element containing errors and status information

For a full explanation of SOAP messages, please see [www.w3schools.com/soap/soap\\_syntax.asp](http://www.w3schools.com/soap/soap_syntax.asp)

A C# sample of an iATS consumer Web service is available for download [here](#). In order to run the sample code, you will need Microsoft Visual Studio 2008 or later installed. The sample calls "GetCreditCardJournalCSVV1" method from our ReportLink.asmx Web service to get details (a journal) of a successful credit card transaction in CSV type. A PHP wrapper is available on our Github repository [here](#). We have also created test accounts that enable you to check if you have everything in place to use iATS Web services. These tests are included in the user guides for each particular Web service.

The guides also include a complete overview of each service available. This includes a full rundown of the SOAP request and response structure, the server addresses for each service, an explanation of the parameters, and an explanation of the responses you will get from the service requests.

To implement the services, you need to complete the code for each with your information and then integrate the code into your site or software platform. (Please note that all code will be hosted on your servers.) Once the calls are tested, you are good to go!

Please consult the user guides for further information and to get started. If you would like any additional information or have any questions about any of our Web services or how to get set up, please call us at 1.866.300.4287 or email [webservice@iatspayments.com](mailto:webservice@iatspayments.com).