



Automated CSV Download

Setup Guide

Automatically downloading transactions as Comma Separated Values (CSV).

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About this Document

This document describes how a Merchant automatically downloads transactions or reports as Comma Separated Values (CSV).

Conventions

Terminology conventions on “Merchant” and “Customer”

SecureTrading has two levels of customer:

- Merchant is a Customer of SecureTrading that uses the system to process requests.
- Customer is a Customer of the Merchant.

Naming conventions of XML through SecureTrading

A field used through SecureTrading’s systems will be written in **Courier** font. A large amount of code or XML will be in a box such as the below.

```
<?xml version="1.0" encoding="utf-8"?>
<requestblock version="3.67">
...
</request>
</requestblock>
```

All fields that are processed through SecureTrading’s systems are lower case, and there is no space or hyphen in order to avoid any confusion when programming.

For example, the field for submitting Site Reference is **<sitereference>**.

Note on bulleting conventions

- Notes with useful but not mandatory information are indicated with the SecureTrading cog.



Please note

- Notes that are requirements and must be followed are indicated with an exclamation mark and outlined in italics.



It is imperative that

System Time



SecureTrading's System Time is in Greenwich Mean Time (GMT).

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1 Introduction

Transaction information can be downloaded as Comma Separated Values (CSV) using MyST, SecureTrading's online transaction management area.

This document describes how to download transaction information automatically.

1.1 CSV (Comma Separated Values)

CSV stands for Comma Separated Values. For example, **field1**, **field2** and **field3** as CSV would be:

```
field1,field2,field3
```

Figure 1 CSV Example

1.2 Pre-requisites

SecureTrading support must be contacted for a username and password specific for automatically downloading CSV files ([4.1 SecureTrading Support](#) on [page 11](#)).

2 Connecting to SecureTrading

The CSV file can be downloaded using a HTTPS POST query string with Basic Access Authentication.

2.1 Basic Access Authentication

Basic access authentication is a method for a web browser client program to provide a username and password when making a request.

A username and password, separated by a colon, then base64 encoded must be included in the authorisation header when performing the request.

For example:

Username: csvdownload@example.com

Password: pa55word

Separated by a colon: csvdownload@example.com:pa55word

Base64 encode: Y3N2ZG93bmxvYWRAZXhhbXBsZS5jb206cGE1NXdvcnQ=

Therefore the authorisation header should be:

```
Authorization: Basic  
Y3N2ZG93bmxvYWRAZXhhbXBsZS5jb206cGE1NXdvcnQ=
```

Figure 2 Basic Access Authentication Example

3 Download Transactions

The transactions CSV file can be downloaded by performing a call to SecureTrading.

3.1 URL



The URL to download the CSV file is <https://myst.securetrading.net/auto/transactions/transactionsearch>

3.2 Fields

The following fields must be included in the call.

Field Name	Mandatory	Notes
sitereferences	Y	The site references to download transactions for (3.3 Site References).
startdate	Y	The start date for the transactions. Must be in the format YYYY-MM-DD.
enddate	Y	The end date for the transactions. Must be in the format YYYY-MM-DD.

3.3 Site References

The Site Reference(s) to download transactions for.

Transactions can be downloaded for multiple site references by including additional **sitereferences** fields in the call separated by a "&".

For example, if transactions are needed for site1 and site2, the call would include the following.

```
sitereferences=site1&sitereferences=site2
```

Figure 3 Multiple Site References



Please note even if downloading transactions for one Site Reference, the field must always be called **sitereferences**.

3.4 Filters

By default, all transactions within the date range for the specified SiteReference(s) will be returned in the download.

Filters can be applied to the download so only certain transactions are returned.

Below are some example filters. Please contact **SecureTrading Support** with questions regarding any additional filters.

Field Name	Mandatory	Notes
accounttype descriptions	N	Type of account the request was processed through. For example "ECOM", "MOTO" etc.
requesttype descriptions	N	Type of request, for example "AUTH", "REFUND" etc.
currencyiso3as	N	Filter results by currency. For a list of currencies, http://webapp.securetrading.net/currencycodes.html
paymenttype descriptions	N	Filter results by payment type. For example "VISA", "MASTERCARD" etc.
settlestatus	N	Filter results by status. For example "100" for all settled transactions.
errorcodes	N	Filter results by error codes. For a list of error codes, go to http://webapp.securetrading.net/errorcodes.html

3.4.1 Multiple filters

Multiple values for the same filters can be included in the call separated by a "&".

For example, for downloading Ecommerce and Mail Order Telephone transactions, the **requesttypedescriptions** filter can be included twice with two different values.

```
requesttypedescriptions=ECOM&requesttypedescriptions=MOTO
```

Figure 4 Multiple filters

3.5 Optional Fields

The fields to be returned are specified in the call. If no fields are specified, only the transaction references are returned.

```
transactionreference
13-2-81000
13-28-1
13-28-10
13-28-11
13-28-2
13-28-3
13-28-4
13-28-5
13-28-6
50-58-1
50-58-2
```

Figure 5 CSV File where no optional fields are specified

Each field to be returned is separated by a "&". For example, to include **orderreference** and **accounttypedescription** in the CSV, the call would include:

```
optionalfields=orderreference&optionalfields=accounttypedescription
```

Figure 6 Multiple Optional Fields

Some of the fields available are described below.



Please note please contact **SecureTrading Support** with any questions regarding additional fields.

3.5.1 Transaction Details

Optional Field	Description
transactionreference	SecureTrading unique transaction reference.
parenttransactionreference	Transaction reference of parent transaction. For example, for Refunds, this would be the reference of the transaction that has been refunded.
accounttypedescription	Account type, for example ECOM for e-commerce.
mainamount	Transaction in main amount. For example £10 will be 10.00
errorcode	Error code for the transaction. For a list of error codes, go to http://webapp.securetrading.net/errorcodes.html
currencyiso3a	Currency of transaction. For a list of currency codes, go to http://webapp.securetrading.net/currencycodes.html
authcode	Transaction authorisation code.
customerip	Customer IP.
fraudrating	Transaction fraud rating.
orderreference	Merchant's order reference.

3.5.2 Payment Details

Optional Field	Description
paymenttypedescription	Type of payment, for example "VISA", "MASTERCARD".
maskedpan	Masked card number.
expirydate	Card expiry date.

3.5.3 Settlement Details

Optional Field	Description
settlestatus	The current transaction status.
settlemainamount	Amount due to settle/settled.
settleduedate	Date due to settle/settled.

3.5.4 Security Response

The response of the security check performed during authorisation. Will be one of the following values:

- 0 = DATA NOT GIVEN
- 1 = DATA NOT CHECKED
- 2 = DATA MATCH
- 4 = DATA NOT MATCHED

Optional Field	Description
securityresponsesecuritycode	Result of security code check.
securityresponseaddress	Result of address check
securityresponsepostcode	Result of post code check.

3.5.1 Billing Details

The details submitted for the billing contact.



Please note these address are checked during authorisation to see if they match what is registered against the card.

Optional Field	Description
billingprefixname	Name prefix. For example "Mr, Mrs, Miss".
billingfirstname	First Name.
billingmiddlename	Middle Name.
billinglastname	Last Name.
billingpremise	First line of the address.
billingstreet	Address Street.
billingtown	Address Town.
billingcounty	Address County.
billingemail	Email address.
billingcountryiso2a	Address Country. For a list of country codes, go to http://webapp.securetrading.net/countrycodes.html
billingpostcode	Address Postcode.
billingtelphones	Telephone

3.5.2 Customer Details

Optional Field	Description
customerprefixname	Name prefix. For example "Mr, Mrs, Miss".
customerfirstname	First Name.
customermiddlename	Middle Name.
customerlastname	Last Name.
customerpremise	First line of the address.
customerstreet	Address Street.
customertown	Address Town.
customercounty	Address County.
customeremail	Email address.
customercountryiso2a	Address Country. For a list of country codes, go to http://webapp.securetrading.net/countrycodes.html
customerpostcode	Address Postcode.
customertelphones	Telephone

3.6 CSV Transactions Download Example

The CSV file must be downloaded using a HTTPS POST query string.

```
wget --output-document=output.csv --user=example@example.com --ask-password
"https://myst.securetrading.net/auto/transactions/transactionse
arch?sitereferences=testsite12345&startdate=2011-01-
01&enddate=2011-02-
01&optionalfields=transactionreference&optionalfields=errorcode
&optionalfields=currencyiso3a&optionalfields=authcode&optionalf
ields=orderreference&optionalfields=paymenttypedescription&opti
onalfields=settlestatus&optionalfields=settlemainamount&optiona
lfields=settleduedate&optionalfields=customercountryiso2a"
```

Figure 7 CSV Download Example

4 Further Information and Support

4.1 SecureTrading Support

Method	Details
Phone	+44 (0) 1248 672 050
Fax	+44 (0) 1248 672 099
E-Mail	support@securetrading.com
URL	http://www.securetrading.com/support/support.html

4.2 SecureTrading Sales

Method	Details
Phone	0800 028 9151
Phone (Int'l)	+44 (0) 1248 672 070
Fax	+44 (0) 1248 672 079
E-Mail	sales@securetrading.com
URL	http://www.securetrading.com

4.3 Useful Documents

The below document might be useful when generating your calls to SecureTrading.

- **MyST User Guide** - How to use the SecureTrading account management system. This document covers Transaction Searches in MyST.

4.4 Frequently Asked Questions

Please visit the FAQ section on our website (<http://www.securetrading.com/support/faq>).