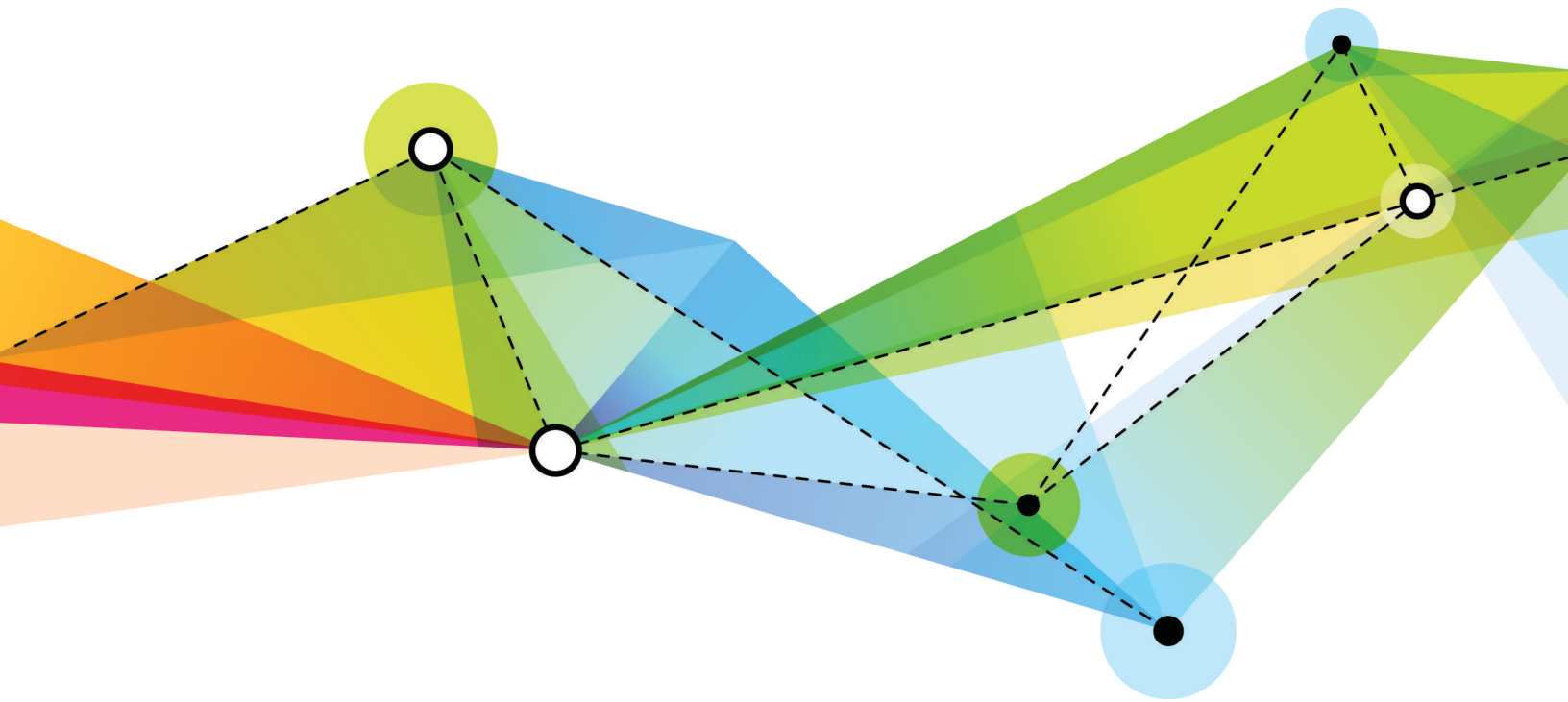




Smile Scheduled Payment Export Import Format

Specification and Documentation



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Smile scheduled payment file processing

Smile supports the ability to export scheduled payments through Smile's payment batch system into a Comma Separated Values (CSV) file, and import another CSV file containing associated payment responses.

Accessing the exported payment file makes it possible to reformat the data to suit an external payment system such as a bank browser-based interface. The external system may generate a response file listing accepted and declined payments. If this file can be reformatted to match the import format described in this document it can be loaded directly to Smile to receipt or decline the payments previously scheduled.

When importing, If Smile encounters a payment that already has a result, and the imported result is contrary, then the existing payment will be reversed and a new payment with the new result will be created.

Smile requires a payment handler definition configured to support this process. Payment handlers and gateways manage advanced configuration of the behaviour of payment types. For more information, [contact Inomial](#).

Export file format

The Smile payment export file is a CSV formatted document, in Unix flavour, UTF-8 encoding. It contains three record types:

- **header**—contains the column names for the entry records
- **entry**— contains the actual import data of interest, one entry for each payment
- **footer**—contains summary data about the import that can be used to verify successful import of the file

Commas separating unused columns at the end of a line may not be omitted.

Note: The CSV file may contain more fields in the future. The fields documented below will always appear in the same order; new fields will be appended to the end of the line. Clients should implement their importers assuming that more fields may appear at any time without warning. Any fields not documented in this file **must not** be depended upon for any purpose.

Header

The first record is a single header record containing column names for the entry records, separated by commas.

A header record has a Record Type of 'H' or '**Record Type**'.

```
Record Type,Account USN,Payment Number,Amount,Currency,Name  
Field,Number Field,Branch Field,Expiry Field,Token Field
```

Entry

An entry record contains the actual payment data of interest. One entry record for each payment.

An entry record has a Record Type of 'E'.

Table 1: Export entry record field definition

Col	Field name	Data type	Description	Required?
0	Record Type	Text	'E' for payment entry record	Yes
1	Account USN	Text	The USN of the account	Yes
2	Payment Number	Text	A unique alphanumeric (letters and numbers) value identifying this payment	Yes
3	Amount	Decimal (Unbounded)	The amount of the payment	Yes
4	Currency	Text	The three letter ISO 4217 currency code of the payment amount	No
5	Name Field	Text	The name for the payment (eg account name), if any	No
6	Number Field	Text	The number (eg account number or card number) of the payment, if any	No
7	Branch Field	Text	The branch identifier (eg BSB), if any. The value will only contain numbers and letters (no spaces, dashes etc)	No
8	Expiry Field	Timestamp ISO Standard	An ISO 8601 formatted year-month for the expiry date, if any. Formatted yyyyMM. For example: 201508.	No
9	Token Field	Text	Token recognisable by the bank, if any	No

Footer

The payment export CSVs last row is always a footer record. The footer records contain summary data about the download that can be used to verify successful transfer of the file.

A footer record has a Record Type of 'F'.

Table 2: Export footer field definition

Col	Field name	Data type	Description	Required?
0	Record Type	Text	'F' for footer record	Yes
1	Entry Count	Number	The number of entries in this file	Yes
2	Total Amount	Decimal (Unbounded)	The sum of the "Amount" column	Yes

Example file

```
Record Type,Account USN,Payment Number,Amount,Currency,Name
Field,Number Field,Branch Field,Expiry Field,Token Field
E,2142422670,21463914,239.05,AUD,Joe Smith,111111,222222,,
E,2142422803,21463922,448.80,AUD,Mary Jones,333333,444444,,
F,2,687.85
```

Import file format

The Smile payment import file is a CSV formatted document, in Unix flavour, UTF-8 encoding. It contains three record types:

- **header**—contains the column names for the entry records
- **entry**— contains the actual import data of interest, one entry for each payment
- **footer**—contains summary data about the import that can be used to verify successful import of the file

Commas separating unused columns at the end of a line may not be omitted.

Header

The first record is a single header record containing column names for the entry records, separated by commas.

A header record has a Record Type of '**H**' or '**Record Type**'.

```
Record Type,Account USN,Payment Number,External
Reference,Result,Reason,Transfer Timestamp
```

Entry

An entry record contains the actual import data of interest. One entry record for each payment.

An entry record has a Record Type of '**E**'.

Table 3: Import entry record field definition

Col	Field name	Data type	Description	Required?
0	Record Type	Text	'E' for payment entry record	Yes
1	Account USN	Text	The USN of the account. Not required, but if specified will be checked against the payment. Can also assist when errors occur.	No
2	Payment Number	Text	A unique alphanumeric (letters and numbers) value identifying this payment. Must correspond to the Payment Number field of the record in the export file.	Yes
3	External Reference	Text	An optional reference number from the external system	No

Col	Field name	Data type	Description	Required?
4	Result	Text	Allowed values: <ul style="list-style-type: none"> Accepted Declined Attention If the payment already has a result, which does not match the provided result, then the existing payment will be reversed, and a new payment will be created with the new result.	
5	Reason	Text	Text to be stored with the payment as justification for the result. May be empty.	No
6	Transfer Timestamp	Timestamp ISO Standard	ISO 8601 date & time of transfer, if Result is "Accepted", otherwise empty. Formatted YYYY-MM-DDThh:mm:ss.sss+Z For example: 2010-01-01T01:00:00.000+11:00	No

Footer

The payment import CSVs last row is always a footer record. The values in the footer file will be compared with the downloaded entries to ensure that the entire file has been downloaded without interruption.

A footer record has a Record Type of 'F'.

Table 4: Import footer field definition

Col	Field name	Data type	Description	Required?
0	Record Type	Text	'F' for footer record	Yes
1	Entry Count	Number	The number of entries in this file	Yes

Example file

```
Record Type,Account USN,Payment Number,External
Reference,Result,Reason,Transfer Timestamp
E,2142422670,21463914,ext
ref1,Accepted,,2013-07-31T12:31:01.995+10:00
E,,21463922,ext ref2,Declined,Insufficient funds,
F,2
```