

Reporting

Table of contents

1. Configuration

2. Steps

3. Structure

3.1 Common Fields

3.2 Standard

3.3 Extended

3.4 Dynamic (new extended format)

3.4.1 Travel details

3.4.2 Merchant Assistant details

3.4.3 Purchasing details

3.5 File Management

3.6 Format

3.7 Sort by

3.8 Name and Format of Downloaded File

3.9 Additional options

4. Data dictionary

1. Configuration

Go to "Electronic reporting" in your Ingenico ePayments Account:

- On account (PSPID) level: Select "Operations" and choose "Electronic reporting" in the sub-menu.
- On user (USERID) level:
 1. Select "Advanced" and choose "Users" in the sub-menu.
 2. Click "Edit" for the specific user.
 3. Select "Electronic Reporting for this User" at the bottom of the page in the User's Data overview.

You can select your preferred file structure and file format for the reports.

You can define the file structure and format for each user. When you configure the electronic reporting parameters for a user, this configuration will be applied to all reports set up by this user.

Specific fields will be returned in your report, depending on the file structure.

You can choose one of the following file structures:

- Standard
- Extended
- Dynamic
- File Management

You can also choose between the following return formats:

- XML
- Fixed-length
- Delimited

2. Steps

Execute the following steps to download formatted files with transaction information:

1. Define the file format and structure on the Electronic reporting page.
2. Use the Financial history, View transactions and View files options to select the required information.
3. Click on the "Download" button.

Customise the output of your downloaded files with the following criteria:

- The structure defines the data and the position of the various selected payments.
- The format defines the output data format.
- The "Sort by" specifications allow you to group your data according to certain values.
- The Additional options help you to adapt the payment records' display.

3. Structure

Obtain the data by using one of the following structures:

- Standard
- Extended
- Dynamic
- File Management

Each structure has a different number (and position) of fields in the selected payments.

These fields are described in the [data dictionary](#) which includes the XML tag name, size, format and description.

3.1 Common Fields

XML Tags	Description
ID	Payment reference
REF	Merchant's reference
ORDER	Order date
STATUS	Status
LIB	Status description
ACCEPT	Authorisation code from acquirer

3.2 Standard

Financial history, [View transactions](#):

XML Tags	Description
See Common Fields ...	
PAYDATE	Payment date
CIE	Company
NAME	Invoicing name
COUNTRY	Buyer's invoicing country (optional)
TOTAL	Amount
CUR	Currency
SHIP	Delivery costs (optional)
TAX	Taxes (optional)
METHOD	Payment methods

BRAND	Card type
CARD	Card number
STRUCT	Structured communication (optional) (e.g. for Net banking payments)

<p>View files (selection page):</p> <table border="1"> <thead> <tr> <th>XML Tags</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MERCHREF</td> <td>Merchant's reference</td> </tr> <tr> <td>DATE</td> <td>File date</td> </tr> <tr> <td>STATUS</td> <td>Status</td> </tr> <tr> <td>OPERATION</td> <td>File Operation</td> </tr> <tr> <td>NBPAY</td> <td>Number of transactions</td> </tr> <tr> <td>TRANSACTION</td> <td>Transaction code</td> </tr> </tbody> </table>	XML Tags	Description	MERCHREF	Merchant's reference	DATE	File date	STATUS	Status	OPERATION	File Operation	NBPAY	Number of transactions	TRANSACTION	Transaction code	<p>Financial history (Download Summary):</p> <table border="1"> <thead> <tr> <th>XML Tags</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>CLIENTID</td> <td>ClientID</td> </tr> <tr> <td>METHOD</td> <td>Payment methods</td> </tr> <tr> <td>BRAND</td> <td>Card type</td> </tr> <tr> <td>OWNER</td> <td>Cardholder's name</td> </tr> <tr> <td>CARD</td> <td>Card number</td> </tr> <tr> <td>PAYDATE</td> <td>Payment date</td> </tr> <tr> <td>STATUS</td> <td>Status</td> </tr> <tr> <td>LIB</td> <td>Status description</td> </tr> <tr> <td>TOTAL</td> <td>Amount</td> </tr> <tr> <td>CUR</td> <td>Currency</td> </tr> <tr> <td>NBPAY</td> <td>Number of transactions</td> </tr> <tr> <td>BATCHREF</td> <td>Batch Reference</td> </tr> </tbody> </table>	XML Tags	Description	CLIENTID	ClientID	METHOD	Payment methods	BRAND	Card type	OWNER	Cardholder's name	CARD	Card number	PAYDATE	Payment date	STATUS	Status	LIB	Status description	TOTAL	Amount	CUR	Currency	NBPAY	Number of transactions	BATCHREF	Batch Reference
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3.3 Extended

For the **View files (selection page)** and the **Financial history (summary)**, please refer to the [Standard](#) structure.

Financial history, View transactions:

XML Tags	Description
See Common Fields ...	
NCID	Transaction code (NCID)
NCSTER	Transaction state
PAYDATE	Payment date

Reporting

CIE	Company
FACNAME1	Invoicing name, line 1
FACNAME2	Invoicing name, line 2 (optional)
FACSTREET1	Invoicing address, line 1 (optional)
FACSTREET2	Invoicing address, line 2 (optional)
FACZIP	Invoicing postcode/ZIP (optional)
FACTOWN	Invoicing city (optional)
COUNTRY	Buyer's invoicing country (optional)
DELNAME1	Delivery name, line 1 (optional)
DELNAME2	Delivery name, line 2 (optional)
DELSTREET1	Delivery address, line 1 (optional)
DELSTREET2	Delivery address, line 2 (optional)
DELZIP	Delivery postcode/ZIP (optional)
DELTOWN	Delivery city (optional)
DELCOUNTRY	Delivery country (optional)
TOTAL	Amount
CUR	Currency
SHIP	Delivery costs (optional)
TAX	Taxes (optional)
METHOD	Payment methods
BRAND	Card type
CARD	Card number
UID	UID
STRUCT	Structured communication (e.g. for net banking payments)
FILEID	Transaction uploaded via file
ACTION	Last action (Financial history)
TICKET	Virtual Ticket (Financial history)

Reporting

PSPID	PSPID (for Merchant group users)
DESC	Description

3.4 Dynamic (new extended format)

This structure contains [optional fields](#). A detailed level is available for [Purchasing](#), [Merchant Assistant](#) or [Travel](#).

XML Tags	Description
See Common Fields ...	
NCID	Transaction code (NCID)
NCSTER	Transaction state
PAYDATE	Payment date
CIE	Company
FACNAME1	Invoicing name, line 1
COUNTRY	Buyer's invoicing country (optional)
TOTAL	Amount
CUR	Currency
METHOD	Payment methods
BRAND	Card type
CARD	Card number
EXPDATE	Exp. date
UID	UID
STRUCT	Structured communication (e.g. for Net banking payments)
FILEID	Transaction uploaded via file
ACTION	Last action (Financial history)
TICKET	Virtual Ticket (Financial history)
DESC	Description
SHIP	Delivery costs (optional)
TAX	Taxes (optional)
USERID	User

Reporting

PSPID	PSPID (for Merchant group users)
REFID	Entity
REFKIND	Entity type
ECI	Electronic Commerce Indicator (Origin of the transaction (ECI)).
CCCTY	Card-issuing country
IPCTY	IP address country
CVCHECK	Card Validity Code Check
AAVCHECK	Automatic Address validity Check
VC	Virtual Card type
BATCHREF	Batch Reference

For the "Dynamic" structure, these fields can be added at the end of the structure.

List of available fields on the "Electronic reporting" page:

XML Tags	Description	Note
FACNAME2	Invoicing name, line 2	Available with "View transactions"
FACSTREET1	Invoicing address, line 1	Available with "View transactions"
FACSTREET2	Invoicing address, line 2	Available with "View transactions"
FACZIP	Invoicing postcode (ZIP)	Available with "View transactions"
FACTOWN	Invoicing city	Available with "View transactions"
DELNAME1	Delivery name, line 1	Available with "View transactions"
DELNAME2	Delivery name, line 2	Available with "View transactions"
DELSTREET1	Delivery address, line 1	Available with "View transactions"
DELSTREET2	Delivery address, line 2	Available with "View transactions"
DELZIP	Delivery postcode (ZIP)	Available with "View transactions"
DELTOWN	Delivery city	Available with "View transactions"
DELOUNTRY	Delivery country	Available with "View transactions"
DELDOB	Delivery date of birth	
TELNO	Phone number	

Reporting

REF1	Customer reference (Ref.1)	Available with "View transactions"
REF2	Customer reference (Ref.2)	Available with "View transactions"
REF3	Customer reference (Ref.3)	Available with "View transactions"
REF4	Customer reference (Ref.4)	Available with "View transactions"
OWNER	Cardholder's name	Available with "Financial history" and "View transactions"
EMAIL	E-mail address	Available with "View transactions"
ALIAS	Alias	Available with "Financial history" and "View transactions"
SCORING	Scoring	Only for the 'Fraud detection module' with 'Scoring', otherwise not present. Available with "Financial history".
SCO_CATEGORY	Scoring category	Only for the 'Fraud detection module' with 'Scoring', otherwise not present. Available with "Financial history".
FDMA_SCORING_CATEGORY	FDMA Scoring category	
EXPERT_SCORING_CATEGORY	Fraud Expert Scoring Category	
IPADDR	Request's IP address	
REC_IPADDR	Received IP address	
OPEDESC	Reason for the operation	
BINCARD	Card BIN number	
CARDUNIQUEID	Card unique identifier	
ORDERDATETIME	Payment dd/mm/yyyy hh:mm:ss	
PAYDATETIME	Payment dd/mm/yyyy hh:mm:ss	
SUBBRAND	Sub-brand	
CREDITDEBIT	Show credit/debit split information	
DEVICE	Device	Available with : "View transactions"
TO_MOBILEMODE	Mobile mode	Available with : "Financial history", "View transactions"
XF_BIC	BIC/Sort code	
XF_MANDATEID	Mandate ID	

Reporting

XF_SIGNDATE	Sign date (yyyymmdd)	
XF_SEQUENCETYPE	Sequence type	
EXPERT_DEVICEID	Device ID	
DFP_DEVICEID	Displays the fingerprint of the device (computer, mobile,...) used in the transaction	Available only for merchants who have the InAuth device fingerprint option
DFP_RISK_LEVEL_CATEGORY	The risk level associated with the device fingerprint. Format: 1=Low risk 2=Medium risk, suspicious 3=High risk	Available only for merchants who have the InAuth device fingerprint option
AS_FRAUD_TYPE	Transactions that are classified as "dispute" by a merchant or an acquirer	Actual Fraud (FRA), Suspicion of Fraud (SOF) or Commercial Dispute (COM) are also included in the list

The "WithDetail" flag can be selected on the "Electronic reporting" page.

3.4.1 Travel details

XML Tags	Description
ID	Payment reference (Details)
TINUM	Ticket number
TIDATE	Ticket Date
CONJTI	Conjunction Ticket
PASNAME	Passenger Name
ORCITY	Departure Airport (Cod.)
DESTCITY	Arrival Airport (Cod.)
ORCITYL	Departure Airport
DESTCITYL	Arrival Airport
CARRIER	Carrier Code
BOOKIND	Booking Indicator
FLNUM	Flight Number
FLDATE	Flight Date
CLASS	Airline Class

Reporting

STOPOV	Stopover
VATAPPL	VAT applicability
TYPCH	Type of Charge
AIRTAX	Airport Taxes
EYCD	Destination area code
IRST	Destination area code (Typ.)
CHDETL	Charge Details

3.4.2 Merchant Assistant details

XML Tags	Description
ID	Payment reference (Details)
ITEMNO	Item ID
ITEMNAME	Item name
QUANTITY	Quantity
UNITNETPRICE	Item price (excl. VAT)
CUR	Currency
LIDREF1	Item Reference (1)
LIDREF2	Item Reference (2)
LIDDISCOUNTRATE	Discount
LIDNETAMT	Price (excl. VAT)
LIDTAXRATE	VAT rate (%)
LIDGROSSAMT	Price (incl. VAT)

3.4.3 Purchasing details

XML Tags	Description
ID	Payment reference (Details)
ITEMNO	Item ID
ITEMNAME	Item name
QUANTITY	Quantity

UNITNETPRICE	Item price (excl. VAT)
CUR	Currency
LIDREF1	Item Reference (1)
LIDREF2	Item Reference (2)
LIDDISCOUNTRATE	Discount
LIDNETAMT	Price (excl. VAT)
LIDTAXRATE	VAT rate (%)
LIDGROSSAMT	Price (incl. VAT)

3.5 File Management

For the **View files (selection page)** and the **Financial history (summary)**, please refer to the [Standard](#) structure.

Financial history, View transactions:

XML Tags	Description
TOTAL	Amount
CUR	Currency
BRAND	Card type
CARD	Card number
EXPDATE	Exp. date
REF	Your file reference
NCID	Transaction code (NCID)
ID	Payment reference
STATUS	File status
LIB	Status description
ACCEPT	Authorisation code from acquirer
PAYDATE	Payment date
ACTION	Last action (Financial history)
TICKET	Virtual Ticket (Financial history)
PSPID	PSPID (Only when connected as a Merchant Group user)

DESC	Description
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3.6 Format

Each record corresponds to a payment. The output formats are:

- **XML:** Each field describing the payment is available as a property of the <PAYMENT> tag;
- **Fixed Length:** each field has a fixed size as described in the various structures above.
- **Delimited along with a separator:** Each field of a payment record is separated by the specified separator (T for tab-delimited). If a value contains the separator, it will be replaced with a space in the download field, in order to avoid mismatches.

3.7 Sort by

After selecting the structure and format, you can also group your payments according to the value of the selected fields. You can choose up to 3 fields to create groups and sub-groups on 3 levels.

3.8 Name and Format of Downloaded File

You can specify the name and the extension of the downloaded file. In the file name, you cannot use special characters like [/ . \ : * ? | < > "]

You can include dynamic parameters in the filename:

- [DATE] for the previous date of the processed file
- [FILEDATE] for the date of the processed file
- [TIME] for the time of the processed file

Example: File[DATE]_[TIME] will be converted to File20111025_16134.

In the extension field, you can use any file extension with 3 characters. Specifying * in this field means that the extension will be derived from the file format:

- '.xml' for XML
- '.csv' for semicolon delimited values
- '.txt' for Fixed-length or tab-delimited

3.9 Additional options

- **Header box:** to make your data more readable or 'no headers' to keep only the relevant data.
- **Decimal Separator:** to use in the download format [, or .].
- **With column header:** to have the name (i.e. the XML Tag name) of each field on the line before the first payment (only applicable for FIX and DEL formats).
- **With Details:** for merchants with Travel, Merchant Assistant or Purchasing details (only applicable for DYN format).

4. Data dictionary

Fields are sorted in ascending XML tags; for the field position; refer to [Structure](#).

XML Tags	Description	Format, max length	Example
AAVCHECK	Automatic Address Validity Check	AN, 2: NO, OK, KO	"NO"
ACCEPT	Authorisation code from acquirer	AN, 12	"646602"
ACTION	Last action	AN, 3: RES, VEN, RFD, etc.	"VEN"
AIRTAX	Airport taxes	AN, 8 ("Travel" only details)	"5.00"
ALIAS	Alias	AN, 50	"Client55521"
BATCHREF	Batch reference	AN, 20	"932"
BOOKIND	Booking indicator	AN, 2 ("Travel" only details)	"CL"
BRAND	Card type	AN, 25	"VISA"
CARD	Card number	AN, 20: first 6 and last 2 digits	"411111-XXXXXXXX-11"
CARRIER	Carrier code	AN, 4 ("Travel" only details)	"SN"
CCCTY	Card-issuing country	AN, 2: BE, FR, NL, UK, .etc.	"BE"
CHDETL	Charge details	AN, 50 ("Travel" only details)	"NO"
CIE	Company	AN, 50	"ABSSYS Consulting S.A."
CLASS	Airline class	AN, 15 ("Travel" only details)	"B"
CLIENTID	ClientID	AN, 41	"CLIENT 5554"
CONJTI	Conjunction ticket	AN, 3 ("Travel" only details)	"NO"
COUNTRY	Buyer's invoicing country	AN, 35: BE, FR, NL, UK, etc.	"BE"
CUR	Currency	AN, 3	"EUR"
CVCHECK	Card Validity Code Check	AN, 2: NO,OK,KO	"NO"
DATE	File date	AN, 10: dd/mm/yyyy	"18/3/2004"
DELCOUNTRY	Delivery country	AN, 35: BE, FR, NL, UK, etc.	"UK"
DELNAME1	Delivery name, line 1	AN, 35	"Mechelynck"
DELNAME2	Delivery name, line 2	AN, 35	"Harold"

Reporting

XML Tags	Description	Format, max length	Example
DELSTREET1	Delivery address, line 1	AN, 35	"Bracken Place, 1"
DELSTREET2	Delivery address, line 2	AN, 35	"Box 25"
DELTOWN	Delivery city	AN, 25	"Southampton"
DELZIP	Delivery postcode (ZIP)	AN, 10	"SO16 3RB"
DESC	Description	AN, 100	"FAC 2004 04 25783-95628 EU"
DESTCITY	Arrival Airport (Cod.)	AN, 5 ("Travel" only details)	"BRU"
DESTCITYL	Arrival Airport	AN, 20 ("Travel" only details)	"Brussels National A."
ECI	Electronic Commerce Indicator (Origin of the transaction (ECI)).	AN, 2	"2"
EMAIL	Email address	AN, 20	"support@somewhere.com"
EXP	Exp. date	AN, 7: MM/YYYY	"02/2006"
EXPDATE	Expiry date (mm/yyyy)	AN, 5	"02/06"
EYCD	Destination area code	AN, 3 ("Travel" only details)	"DES"
FACNAME1	Invoicing name, line 1	AN, 35	"Mechelynck"
FACNAME2	Invoicing name, line 2	AN, 35	"Harold"
FACSTREET1	Invoicing address, line 1	AN, 35	"Bracken Place, 1"
FACSTREET2	Invoicing address, line 2	AN, 35	"Box 25"
FACTOWN	Invoicing city	AN, 25	"Southampton"
FACZIP	Invoicing postcode (ZIP)	AN, 10	"SO16 3RB"
FILEID	Transaction uploaded via file	AN, 15: "File"/"line")	"83259/322"
FLDATE	Flight date	AN, 8 ("Travel" only details)	"25/08/04"
FLNUM	Flight number	AN, 4 ("Travel" only details)	"125"
ID	Payment reference (detail)	AN, 14	"90880/1/D"
ID	Payment reference	N, 12 (xxxx/xxx : Financial history)	"90880/1"
IPCTY	IP address country	AN, 2	"UK"
IRST	Destination area code (Typ.)	AN, 1 ("Travel" only details)	""

Reporting

XML Tags	Description	Format, max length	Example
ITEMNAME	Item name	AN, 50 (CPC/MAS only details)	"Pencil Black"
ITEMNO	Item ID	AN, 15 (CPC/MAS only details)	"PBHB2C"
LIB	Status description	AN, 35	"Payment Requested"
LIDDISCOUNTRATE	Discount	N, 15 (CPC/MAS only details)	"10"
LIDGROSSAMT	Price (incl. VAT)	N, 15 (CPC/MAS only details)	"12.50"
LIDNETAMT	Price (excl. VAT)	N, 15 (CPC/MAS only details)	"10.01"
LIDREF1	Item reference (1)	AN, 50 (CPC/MAS only details: Category, etc.)	"Common Furnitures"
LIDREF2	Item reference (2)	AN, 50 (CPC/MAS only details)	"50 Pieces"
LIDTAXRATE	VAT rate (%)	AN, 15 (CPC/MAS only details)	"19.6"
MERCHREF	Merchant's reference	AN, 50	"TESTFILE4"
METHOD	Payment methods	AN, 25	"CreditCard"
NBPAY	Number of transactions	N, 12	"2"
NCID	Transaction code (NCID)	AN, 10	"11933738"
NCSTER	Transaction state	AN, 14: State/ErrorID	"3/31081001"
OPERATION	File Operation	AN, 3: SAL, SAS, DEL, AUT, etc.	"SAL"
ORCITY	Departure Airport (Cod.)	AN, 5 ("Travel" only details)	"OSL"
ORCITYL	Departure Airport	AN, 20 ("Travel" only details)	"Oslo Airport"
ORDER	Order date	AN, 10: dd/mm/yyyy	"18/3/2004"
OWNER	Cardholder name	AN, 35	"Frederic"
PASNAME	Passenger name	AN, 50 ("Travel" only details)	"M/A H.Mechelinck"
PAYDATE	Payment date	AN, 10: dd/mm/yyyy	"18/3/2004"
PSPID	PSPID	AN, 20	"AbssysTest"
QUANTITY	Quantity	AN, 8 (CPC/MAS only details)	"3"
REF	Merchant's reference	AN, 15	"FAC2004-0425783"
REF	Your file reference	N, 10	"3081"

XML Tags	Description	Format, max length	Example
REF1	Customer reference (Ref.1)	AN, 20	"12/25"
REF2	Customer reference (Ref.2)	AN, 35	"CR666548"
REF3	Customer reference (Ref.3)	AN, 20 (CustNo, etc.)	"CN100254"
REF4	Customer reference (Ref.4)	AN, 20 (Cost Centre, etc.)	"CC125"
REFID	Entity	AN, 35	"ABSSYSTST"
REFKIND	Entity type	AN, 6 (MGID, PSPID, etc.)	"PSPID"
SCORING	Scoring	N, 4	"25"
SCO_CATEGORY	Scoring category	AN, 1: [R]ed, [O]range, [G]reen	"G"
SHIP	Delivery costs	AN, 10	"0.00"
STATUS	File status	AN, 20 (processed, loaded, etc.)	"processed"
STATUS	Status	N, 5	"9"
STOPOV	Stopover	AN, 1 ("Travel" only details)	"NO"
STRUCT	Structured communication	AN, 12	"000000000101"
TAX	Taxes	AN, 15	"0.00"
TICKET	Virtual Ticket	AN, 255 Max 50 ch in fixed structure, up to 255 in dynamic structure (xml & csv)	"18/03/04 12:08 - VISA 4111XXXXXXXXXXXX Successful"
TIDATE	Ticket date	AN, 8 ("Travel" only details)	"16/03/04"
TINUM	Ticket number	AN, 16 ("Travel" only details)	"0822150542247"
TOTAL	Amount	N, 15	"10.89"
TRANSACTION	Transaction code	AN, 3 (ATR, MTR etc.)	"ATR"
TYPCH	Type of charge	AN, 2 ("Travel" only details)	"A"
UID	UID	AN, 12	"16574444"
UNITNETPRICE	Item price (excl. VAT)	AN, 15 (CPC/MAS only details)	"10.01"
USERID	User	AN, 20	"FDB"

Reporting

XML Tags	Description	Format, max length	Example
VATAPPL	VAT applicability	AN, 1	"Y"
VC	Virtual Card type	AN, 3 (NO, ICN, ECB, etc.)	"NO"