

Report Scheduler

The report scheduler can be used to automatically generate reports at set intervals. The report is generated as a CSV file and downloadable through the portal. A link to the report is sent in an email. In addition to the email notification it is possible to configure webhook notifications.

Scheduler filters

It is possible to filter schedulers based on the following parameters:

- **Account** - Show all scheduled reports for this account
- **Source** - Show all scheduled reports for this type of source. A source can be `Transactions`, `Refunds`, `Chargebacks` or `Fraud`.
- **Status** - Show all scheduled reports that are `enabled` or `disabled`.

Range of transactions included in a report

The reports can be configured to run on a daily, weekly or monthly basis. The `Start date` controls when the report will be generated for the first time.

The range of transactions included in the report depend on the frequency of the report. As an example a weekly report will include the transactions for the last seven days from the `Start date`.

For a **daily** report scheduled to start on 10th of January:

- The first report will be sent on 10th of January and include transactions from:
 - 9th of January UTC+0 00:00:00.000 to
 - 9th of January UTC+0 23:59:59.999
- The second report will be sent on 11th of January and include transactions from:
 - 10th of January UTC+0 00:00:00.000 to
 - 10th of January UTC+0 23:59:59.999

For a **weekly** report scheduled to start on 10th of January:

- The first report will be sent on 10th of January and include transactions from:
 - 3rd of January UTC+0 00:00:00.000 to
 - 9th of January UTC+0 23:59:59.999
- The second report will be sent on 17th of January and include transactions from:
 - 10th of January UTC+0 00:00:00.000 to
 - 16th of January UTC+0 23:59:59.999

- Weekly is 7 days
 - 3rd - first day
 - 4th - second day
 - 5th - third day
 - 6th - fourth day
 - 7th - fifth day
 - 8th - sixth day
 - 9th - seventh day

For a **monthly** report scheduled to start on 1st of January:

- The first report will be sent on 1st of January and include transactions from:
 - 1st of December UTC+0 00:00:00.000 to
 - 31st of December UTC+0 23:59:59.999
- The second report will be sent on 1st of February and include transactions from:
 - 1st of January UTC+0 00:00:00.000 to
 - 31st of January UTC+0 23:59:59.999

Creating a new scheduler

- Name - Name of the scheduler, does not have to be unique.
- Start date - must be in the future
- Account - Can only select one at a time
- Frequency - Can only select one
 - Daily - Once per day
 - Weekly - Once per week, the first occurrence will be the Start date, the second occurrence will be 7 days after that date.
 - Monthly - Once per month, the first occurrence will be the Start date, the second occurrence will be 30 days after that date.
- Source - Can only select one
 - Transaction - Pulls all transactions from the Account
 - Refunds - Pulls all refunds from the Account
 - Fraud - Pulls all fraud from the Account
 - Chargeback - Pulls all fraud from the Account
- Report Type
 - Summarised - Will return a CSV file with the total number of occurrences set in the Source on a single line.
 - Raw - Will return a CSV file with all the relevant fields with all the Transactions/Refunds/Fraud/Chargeback

Transaction filter

- Filter - Data filter for the reports. This is an optional field which controls what data is included in the report. Multiple filters can be combined to work in a cumulative fashion. This means that the data included in the report will satisfy both the condition of Filter1 AND Filter2.

Notifications

The user creating the scheduler will always receive the notification in their email upon creation of the report. It is possible to add up to 4 more email addresses for a total of 5. It is not possible to remove your own email address.

Webhooks

If a URL is set in the webhook field, it will get called every time a report is created. The webhook is a JSON object with the following format:

```
{
  "_id": "id of the report scheduler",
  "type": "report_scheduler"
}
```

CSV headers

The headers of the CSV reports generated through the scheduled reporter are described in the table below.

Raw

CSV Header	Description	API field name
merchant_reference	Transaction merchant reference	transaction.merchant_reference
account_id	Transaction account ID	transaction.account
organisation_id	Account organisation ID	transaction.account.organisation
payment_product	Transaction payment product	transaction.payment_product
payment_product_type	Transaction payment product type	transaction.payment_product_type
processor	Transaction processor	transaction.processor
amount	Transaction amount	transaction.amount
status	Transaction status	transaction.status
card_bin	Transaction card bin	transaction.card.bin
card_issuer_country	Transaction card issuer country	transaction.card.issuer_country
shopper_interaction	Transaction shopper interaction	transaction.shopper_interaction
geo_location	Transaction geo location	transaction.geo_location
installments	Transaction installments	transaction.installments
reason_code	Transaction reason code	transaction.reason_code
fraud_type	Transaction fraud type	transaction.fraud.type
fraud_subtype	Transaction fraud subtype	transaction.fraud.subtype
blocked	Transaction blocked	transaction.blocked
tags	Transaction tags	transaction.tags
customer_country_code	Transaction customer country code	transaction.customer.country_code
customer_ip	Transaction customer ip	transaction.customer_ip
customer_city	Transaction customer city	transaction.customer.city

Summarized

CSV Header	Description
account_id	Account ID
account_name	Account name
account_currency_code	Account currency code
transactions_captured	Number of transactions captured
transactions_captured_amount	Accumulated amount of all captured transactions
transactions_authorised	Number of transactions authorised
transactions_authorised amount	Accumulated amount of all authorised transactions