Enterprise Business Center Reporting Migration Guide

November 2018

CyberSource®

the power of payment

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Contents

Recent Revisions to This Document

Release	Changes
November 2018	Added link to CyberSource Developer Center.
October 2018	Added information on servlet to REST transition.
September 2018	Initial release.

About This Guide

The new Business Center offers new reports. For a period of time, you can use either old reports in the old Business Center, or new reports in the new Business Center. This is known as the dual access period. During this period, click the "Back to Classic" button in the header of the new Business Center to get back to the old Business Center.

Merchants will be transitioned to the new Business Center beginning in early 2019. Once you are transitioned, you will have 60 days of dual access. You will receive a notification of your exact transition date. After the dual access period, you will no longer have access to the old Business Center, and will not be able to download reports from the old Business Center.

If you access the old reports programmatically, you can continue to use the old programmatic access methods until July 31, 2019. In July 2019, the old programmatic access methods will be retired. After this date, you will no longer be able to access old reports.

You can begin using the new reporting features outlined in this guide starting in late October 2018. REST APIs for downloading reports are available in our Developer Center.

Note There will be some differences between the old and the new reports. See "All Reports and What will Happen to Them," page 31 for details.

This guide will:

- Introduce you to the new reports
- Help you transition from old to new reports

Important To make getting started easier, most reports were set up for you in the new Business Center in mid October. Reports that are not used (downloaded in the last 90 days) will not be recreated in the new portal.

For more information on new reports and features, see the *Reporting User Guide*.

Audience

This guide is for merchants or partners who used the old reporting features in the old Business Center, and who are beginning to use the new reporting features in the New Business Center. It contains information that will help you transition from the old reports to the new reports. For a more detailed description of the new reporting module, see the *Reporting User Guide*.

Users of Decision Manager's Rule Performance Reports, Case Management Performance Reports, Decision Manager Detail Report, and Payer Auth Reports should refer to the Decision Manager User Guide for information on these reports.

Conventions

Note Statements

Note A *Note* contains helpful suggestions or references to material not contained in the document.

Text and Command Conventions

Convention	Usage
Bold	■ Field and service names in text; for example: Include the **ics_applications** field. ■ Items that you are instructed to act upon; for example: Click **Save**.
`Screen text`	■ XML elements. ■ Code examples and samples. ■ Text that you enter in an API environment; for example: Set the **davService_run** field to `true`.

Related Documents

- *Reporting User Guide*
- *New Business Center User Guide*
- *Reporting REST API Developer Guide*

Refer to the Support Center for complete CyberSource technical documentation:

http://www.cybersource.com/support_center/support_documentation

Customer Support

For support information about any CyberSource service, visit the Support Center at:

http://www.cybersource.com/support

CHAPTER 1

Downloadable Reports

The Downloadable Reports module replaces the old Report Search page. In the Downloadable Reports module, the user can find reports available for download, as well as create and customize report subscriptions.

In this guide, "old" refers to reports from the old Business Center. "Classic" refers to reports in the new Business Center that have been recreated on your behalf.

In most cases your Classic reports will contain the same fields, field names, field order (for CSV reports), format, and transactions.

The Classic reports are similar to the old reports, but they are not exactly the same. See "All Reports and What will Happen to Them," page 31 for details.

See the *Reporting User Guide* for detailed information about downloadable reports and a list of all report types.

Finding Reports

To locate the new reports for download, in the left navigation, click **Reports > Available Reports**.

Reports in the new Business Center are organized into tabs:

- Standard reports—contains reports based off of standard report subscriptions.
- Custom Reports—contains reports based off of custom report subscriptions.
- Classic Reports —contains new reports that have been recreated for you based on your old subscriptions.
- Third Party Reports—contains any files from a third-party, typically your payment processor.

- Legacy Reports—contains an archive of your old reports.

Note A tab may be empty if there are no reports in that category to display.

For more information on using Available Reports and Manage Reports, see the *Reporting User Guide*. For more information on individual reports, see "All Reports and What will Happen to Them," page 31.

Field Naming Conventions

Old reports used a mix of naming conventions. Some of the new reports allow users to choose between SCMP API field names or the SOAPI field names. Your classic reports will use the same naming convention as your old reports.

Although you will not see this naming convention in the field picker on the Create/Edit page, the convention is applied to the file names in your generated reports.

Figure 1 Field Naming Convention

Examples:

- batch_id (SCMP) and BatchID (SOAPI)
- merchant_id (SCMP) and MerchantID SOAPI)
- batch_date (SCMP) and BatchDate SOAPI)

Downloadable Report FAQs

Will my Classic reports have the same data as my old reports?

In some cases, the old and the new Classic reports will contain the same transactions and the same report fields, in the same order.

Will my “Classic” reports be available at the same time of *day*?

Your classic reports will be generated and available for you to download at the same time of day (or earlier) as your old reports.

Can I modify or delete my Classic report subscriptions?

You copy and edit (Save As) or delete a Classic report subscription. For more information on editing reports, see to the *Reporting User Guide*. If you save a new version of your report, it becomes a Custom report.

Will my Classic report subscriptions ever be removed from the new Business Center?

Your Classic report subscriptions will not be removed from the new Business Center. In the future, if you no longer need these subscriptions, you can delete them.

How can I validate that my new reports will contain the same transactions as the old reports?

The new and old reports will contain the same transactions, provided that the reports cover the same window of time. If you are trying to create a custom report that aligns with your old report, make sure the window of time is the same. Most reports in the old Business Center run from 12:00am to 12:00am Pacific.

What will happen to my already-generated report from the old platform?

You will find your old, already generated reports in the new Business Center on the "Legacy" tab.

After the retirement of the old Business Center, these reports will remain available for download in the new Business Center until the data retention period has expired. See the *Reporting User Guide* for information on data retention.

Why do new reports appear to have a date of one day later than I am accustomed to in the old Business Center?

Old reports were usually given a "report date" matching the transactions contained in the report, even though the report was usually delivered on the next calendar day.

The new reporting module includes two date concepts:

- Transaction date range—the window of time covered by the report.
- Generate date—the date on which the report was completed.

For example, the old Payment Batch Detail Report dated September 9, 2017 contained transactions from September 9th, but the report is not available for download until September 10th.

Note The new reporting module also introduces One-Time reports. In the case of a One-Time report, the transaction date range and the generate date could be far apart.

I didn't create any Standard reports. Why do I have Standard report subscriptions?

Merchants boarded onto the platform after September 2017 are automatically given a default set of standard report subscriptions. These are provided to make getting started with reporting easier. If these reports suit your needs, there is no need to do anything else. If you want to modify the reports, or create entirely new reports, see the *Reporting User Guide* for details and instructions.

Note If you have already modified one of your standard reports, you will find it on the "Custom" tab.

How long will CyberSource save my generated reports?

Refer to the *Reporting User Guide* for data retention policies.

How can I programmatically access my reports?

Programmatic access to download and manage new reports will be offered through a REST API, which you can find at our Developer Center.

What are some of the features and benefits of the new reports?

Customizations—The new reporting features offer more customizations than the old reports. For example, you may want to add or remove fields from your report, or have your report run at a particular time of day to suit your business need.

Report filtering—You can filter your reports so they contain one or more of the types of transactions you are interested in. For example, you may want to create a daily recurring report that contains only credit card credits.

One-Time reporting—These are ad-hoc reports you can create that cover a period of time in the past, up to 31 days.

Several other configuration options—These are designed to give you more control over the contents and format of your report.

For more information on these and other features, please refer to the *Reporting User Guide*.

Programmatically Downloading Reports

The new reports will be accessible via RESTful APIs, which you can find at our Developer Center.

Third-Party Reports

Some merchants and partners are able to access third-party reports from the old reports module. In the old module, these are in the Downloadable Reports section of the Report Search page. In the new Reports module, these reports are under Available Reports on the third-party tab.

Programmatic Access to Third-Party Reports

Old third-party reports were accessible through the download report servlet. These reports will be accessible through the Secure File Share API, which you can find at our Developer Center.

Batch Upload Reply File

Batch Upload Reply files contain the results of uploading transactions using a batch file. These reply files will continue to generate as usual for merchants using the Batch Upload product. You can find the reply file on the Available Reports on the third-party tab.

The Batch Upload Reply file was also accessible via the download servlet. These reports will be accessible through the Secure File Share API, which you can find at our Developer Center.

Account Updater Reply File

The Account Updater reply files contain the results of an account updater batch. These reply files will continue to generate as usual for merchants using the Account Updater product. You can find the reply files on the Available Reports on the third-party tab.

The Account Updater Reply file was also accessible via the download servlet. These reports will be accessible through the Secure File Share API, which you can find at our Developer Center.

CHAPTER

On-demand Reports 2

On-Demand reports are preconfigured reports containing fields specifically designed to be viewed in the browser. Some of these reports support export functionality. On-Demand reports are different from downloadable reports because downloadable reports cannot be viewed in your browser.

Payment Batch Summary Report

The Payment Batch Summary report shows total sales and refunds by currency and payment method. The data is exportable as CSV or XML. This report is a new version of the old Payment Batch Detail report, and contains the same transaction counts and amounts as the old version.

You can find this report in the Business Center left navigation under **Reports > Transaction Reports > Payment Batch Summary Report**.

Report Differences

The report is now available to all merchants or account-level users. The old report was only available to merchants if they were given access by the account level user, or during onboarding.

Figure 2 Old Payment Batch Summary Report

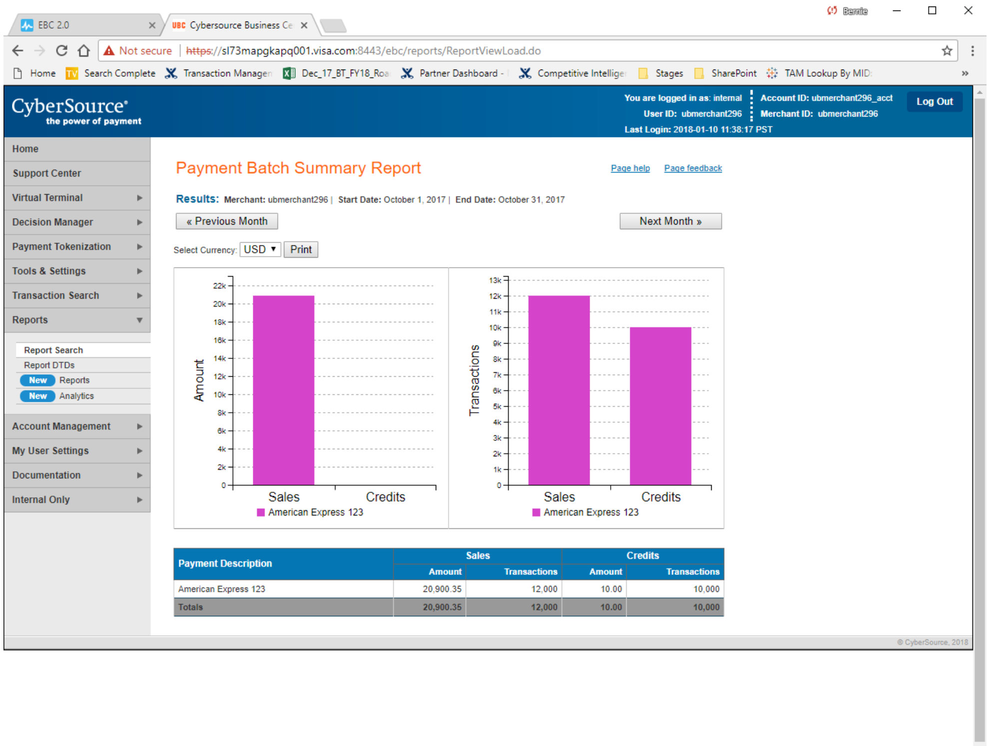
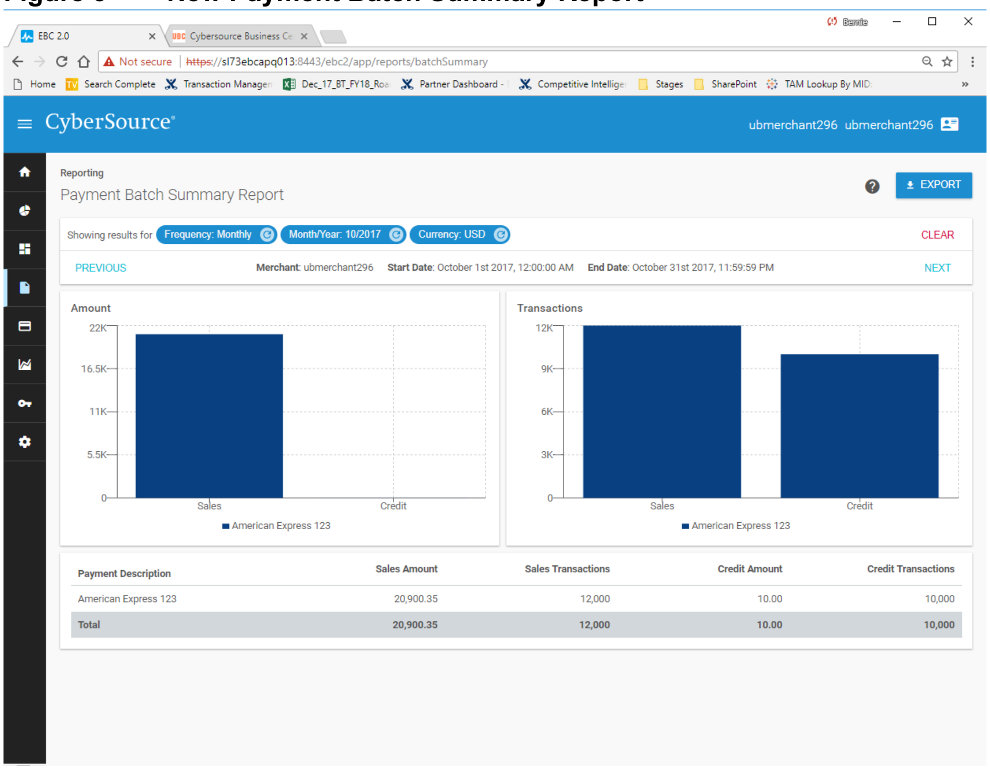


Figure 3 New Payment Batch Summary Report



Purchase and Refund Details Report

The Purchase and Refund report includes all purchases and refund transactions, as well as all activities related to transactions resulting in an adjustment to the net proceeds. The data is exportable as CSV or XML. You can also view data by either request date or submission date.

Note This report is only available to certain users.

This report is a new version of the old Purchase and Refund Details report and contains the same transaction details as the old version.

You can find this report in the Business Center left navigation under **Reports > Transaction Reports > Purchase and Refund Details Report**.

The old Purchase and Refund Details report was accessible through the acquiring servlet.

Report Differences

Two old reports (Purchase and Refund Details and Purchase and Refund Details by Submission Date) were combined into one report. Users can use filters to view data by request date or submission date.

Additional filtering functionality is available, allowing the user to further filter the result set.

The new reports can be viewed by group. See the *New Business Center User Guide* for more information on groups.

Figure 4 Old Purchase and Refund Detail Report

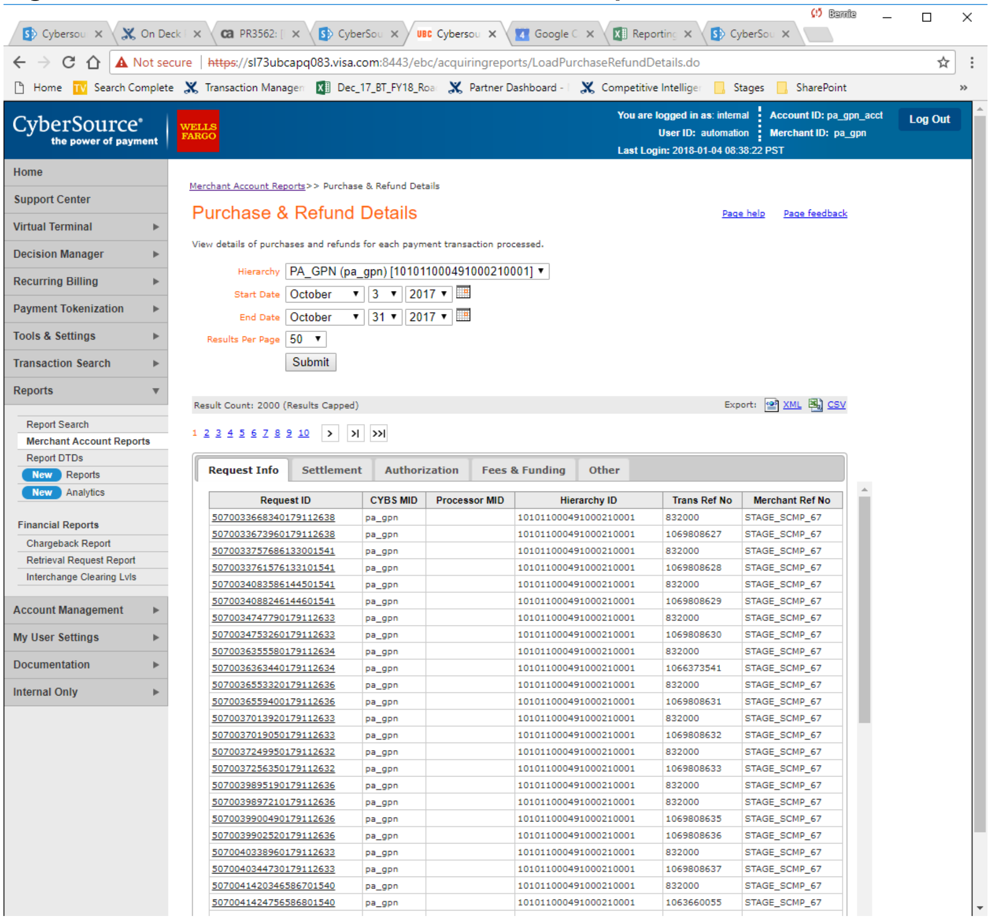
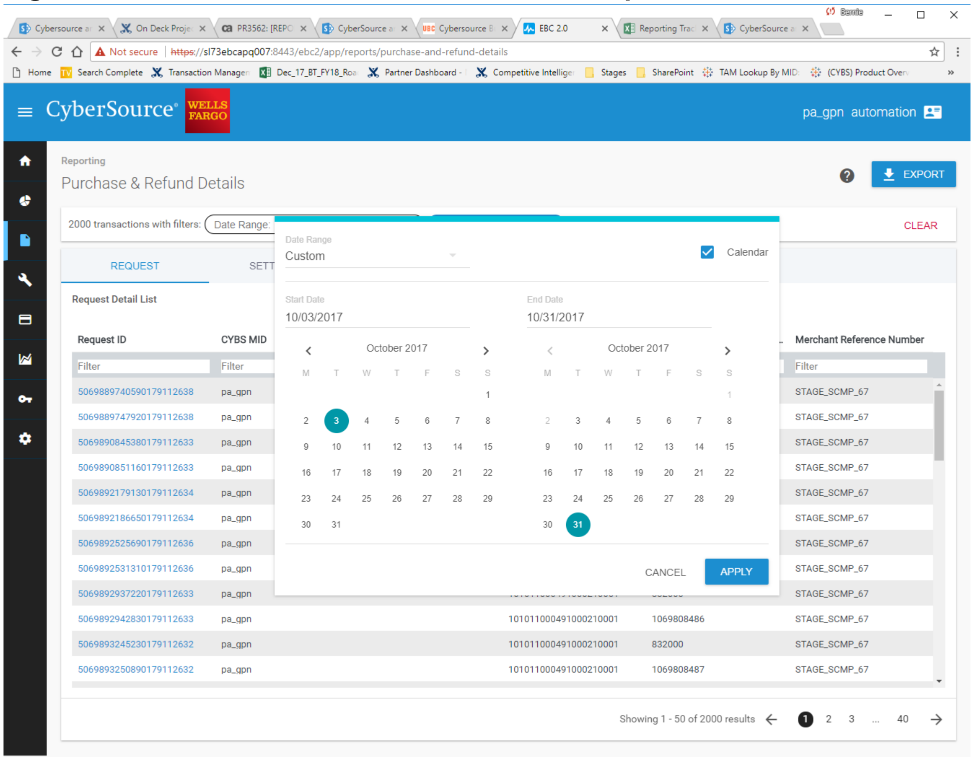


Figure 5 New Purchase and Refund Detail Report



Net Funding

The Net Funding report show all purchases and refunds, as well as fees and adjustments processed for a merchant entity within a particular date range, resulting in an expected funding amount. It is available for merchant using certain payment processors.

Note This report is only available to certain users.

You can find this report in the Business Center left navigation under **Reports > Financial Reports > Net Funding**.

Report Differences

This report was previously found in the new Business Center under Analytics.

Notification of Change Report

This report shows eCheck-related fields updated as a result of a response to an eCheck settlement transaction. The data is exportable as encrypted CSV or XML. This report is a new version of the old Notification of Change Report, with enhanced filtering and sorting, and contains the same transaction details as the classic version. For more information on exporting data from this report using a PGP key, refer to the *New Business Center User Guide*.

Note This report is only available to certain users.

You can find this report in the Business Center left navigation under **Reports > Financial Reports > Notification of Change Report**.

Figure 6 Old Notification of Change Report

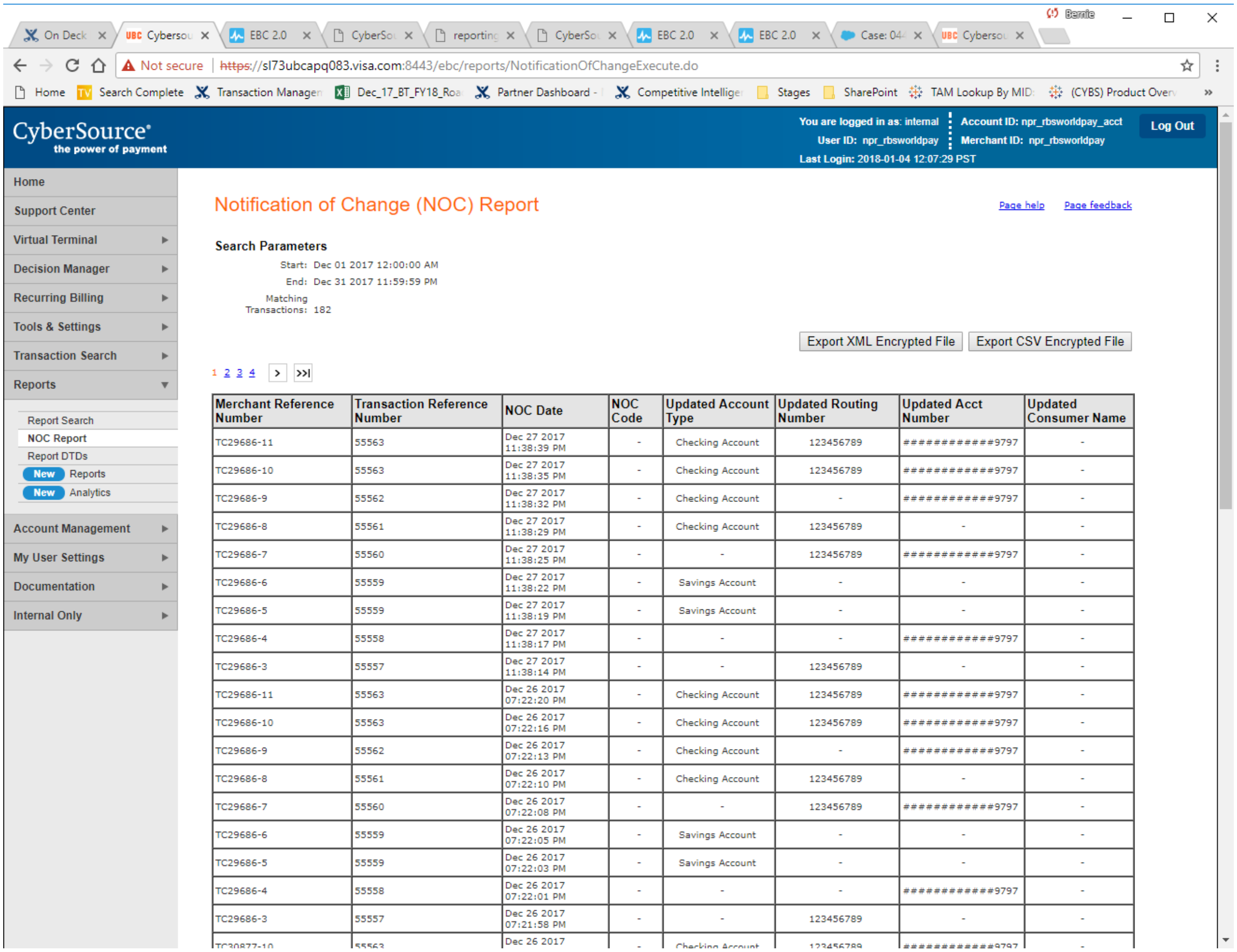
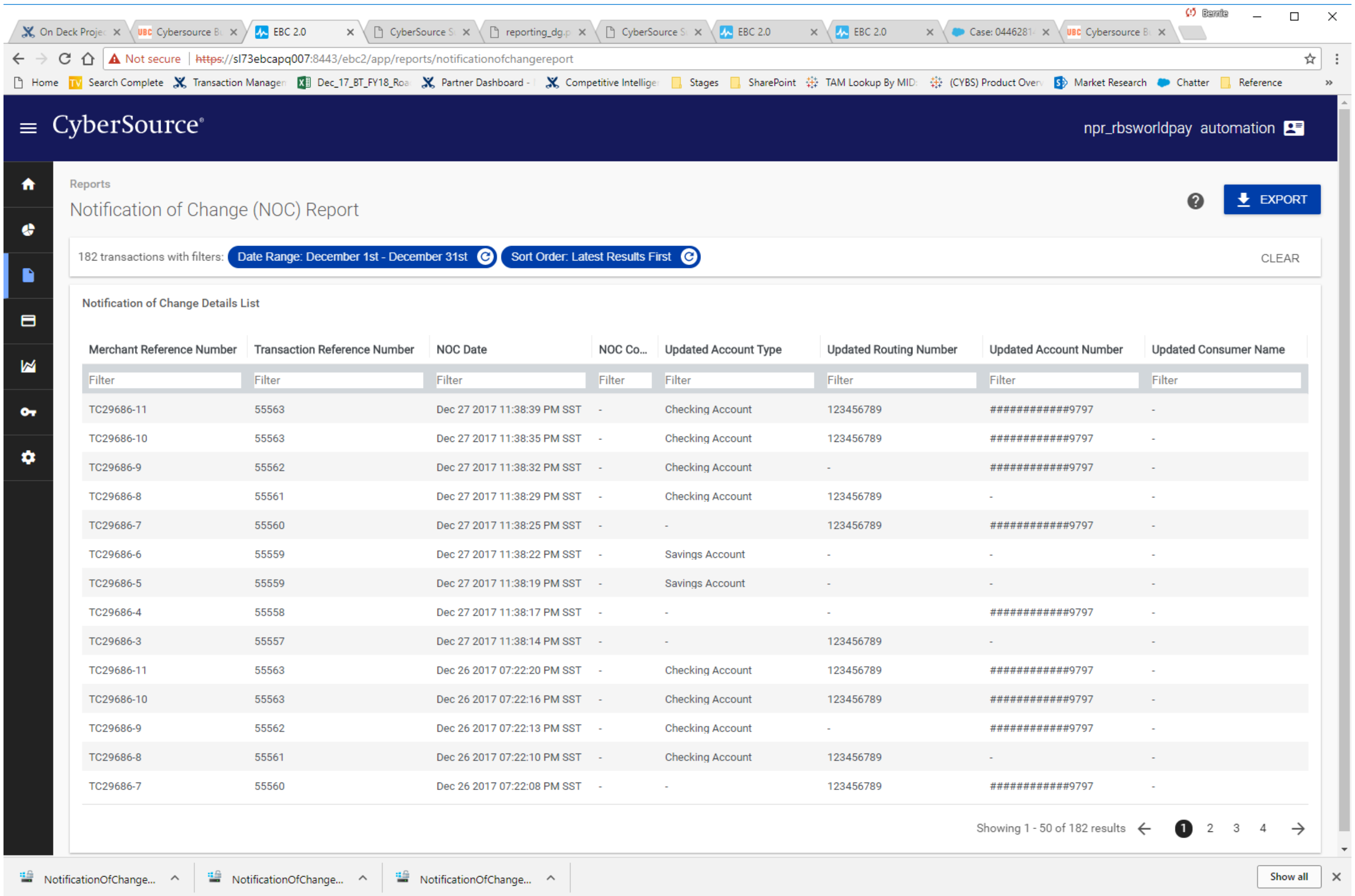


Figure 7 New Notification of Change Report



Merchant Reference Number	Transaction Reference Number	NOC Date	NOC Co...	Updated Account Type	Updated Routing Number	Updated Account Number	Updated Consumer Name
TC29686-11	55563	Dec 27 2017 11:38:39 PM SST	-	Checking Account	123456789	#############9797	-
TC29686-10	55563	Dec 27 2017 11:38:35 PM SST	-	Checking Account	123456789	#############9797	-
TC29686-9	55562	Dec 27 2017 11:38:32 PM SST	-	Checking Account	-	#############9797	-
TC29686-8	55561	Dec 27 2017 11:38:29 PM SST	-	Checking Account	123456789	-	-
TC29686-7	55560	Dec 27 2017 11:38:25 PM SST	-	-	123456789	#############9797	-
TC29686-6	55559	Dec 27 2017 11:38:22 PM SST	-	Savings Account	-	-	-
TC29686-5	55559	Dec 27 2017 11:38:19 PM SST	-	Savings Account	-	-	-
TC29686-4	55558	Dec 27 2017 11:38:17 PM SST	-	-	-	#############9797	-
TC29686-3	55557	Dec 27 2017 11:38:14 PM SST	-	-	123456789	-	-
TC29686-11	55563	Dec 26 2017 07:22:20 PM SST	-	Checking Account	123456789	#############9797	-
TC29686-10	55563	Dec 26 2017 07:22:16 PM SST	-	Checking Account	123456789	#############9797	-
TC29686-9	55562	Dec 26 2017 07:22:13 PM SST	-	Checking Account	-	#############9797	-
TC29686-8	55561	Dec 26 2017 07:22:10 PM SST	-	Checking Account	123456789	-	-
TC29686-7	55560	Dec 26 2017 07:22:08 PM SST	-	-	123456789	#############9797	-

CHAPTER 3

Deprecated Features and Functions

This section contains information about features and functions of the old Reports module that will be retired.

Servlets

The old programmatic access methods will be retired. This includes the Report Download Servlet, Acquiring Servlet, and Query Servlet. The data and reports delivered via servlets are be accessible via REST APIs, which you can find at our Developer Center.

Reports

The following reports will be deprecated:

Table 1 Deprecated Reports

Old Business Center	Location in the Old Business Center	Replacement in the New Business Center
Payment Submission Detail Report	Report Search Screen	Replaced by the Payment Batch Detail Report. Users should use the Payment Batch Detail report, and add the field Processor ID. Users with existing Payment Submission Detail Report subscriptions in the old Business Center will find a subscription named "PaymentSubmissionDetailReport_<FREQUENCY>_Classic" in the new Business Center in the Classic tab.

Table 1 Deprecated Reports (Continued)

Old Business Center	Location in the Old Business Center	Replacement in the New Business Center
Order Detail Report	Report Search Screen	Replaced by the Transaction Request Report. Users with existing Order Detail Report subscriptions in the old Business Center will find a subscription named "OrderDetailReport_ <FREQUENCY>_Classic" in the new Business Center in the classic tab. All of the fields available in the old Order Detail Report will be available in the new Business Center.
NewAuthorizationDetail Report (use Transaction Request Report filtered for auths instead)	Report Search Screen	Users with existing New Authorization Detail Report subscriptions in the Classic Business Center will find a subscription named "NewAuthorizationDetailReport _<FREQUENCY>_Classic" in the new Business Center on the classic tab.
NewCaptureDetailReport	Report Search Screen	Users with existing New Capture Detail Report subscriptions in the Classic Business Center will find a subscription named "NewCaptureDetailReport_ <FREQUENCY>_Classic" in the new Business Center in the classic tab.
Chargeback and Representment Detail Report	Accessed today only through Acquiring Servlet	This data is in the new Chargeback Detail report. See *Reporting User Guide* for more information.
Payment Activity Summary	Accessed today only through Acquiring Servlet	This data can be found in the new Business Center on the Net Funding screen in the Analytics module. See *New Business Center User Guide* for more information.

Table 1 Deprecated Reports (Continued)

Old Business Center	Location in the Old Business Center	Replacement in the New Business Center
Fee Detail Report	Accessed today only through Acquiring Servlet	This data can be found in the new Fee Detail report. See *Reporting User Guide* for more information.
Transfer Log	Accessed today only through Acquiring Servlet	This data can be found in the new Deposit Detail report. See *Reporting User Guide* for more information.

Functionality

Table 2 Deprecated Functionality

Old Business Center	Location in the Old Business Center	Replacement in the New Business Center
Account level users will not be able to subscribe merchants in their portfolio to reports.	Manage Subscriptions screen	Merchants may create their own reports. Newly onboarded merchants are automatically subscribed to a boilerplate set of reports.

CHAPTER 4

Transitioning from Servlet to REST

Users could download reports and files, search for transactions, and retrieve user details via programmatic access, which we refer to as servlets. For detailed information about the servlets, see the *Classic Business Center Reporting Developer Guide*. The table below lists the functions of the old servlets and the REST APIs that will replace them.

Servlet Name	Function	REST API
Download Servlet	Downloads report or other files.	Reporting API or Secure File Share API
Acquiring Servlet	Downloads reports.	Reporting API
Query Servlet	Retrieve Transaction/Payment Status.	Transaction Detail API
Query Servlet	Retrieve a single transaction (search by request id).	Transaction Detail API
Query Servlet	Search for transactions by merchant reference number.	Transaction Search API
Query Servlet	Notification of Change (on demand).	Reporting API
Query Servlet	Conversion Detail Report (on demand).	Reporting API
Query Servlet	Order Detail Report (on demand)	Reporting API
Query Servlet	User Listing Servlet	User Management API
Query Servlet	Response File Write (Batch Upload status)	Batch Status API

See "All Reports and What will Happen to Them," page 31 for details on which reports will use the REST APIs.

These are the new REST APIs:

API Name	Purpose
Transaction Detail API	Retrieves a single transaction based on Request ID.
Search API	Retrieves a set of transactions based on several available query parameters.
Reporting API	Downloads and manages downloadable detail reports.
Secure File Share API	Downloads third party files, reports from the old Business Center, Batch Upload Reply, and Account Updater Reply files.

API Name	Purpose
User Management API	Retrieves a list of users.
Batch Status API	Retrieves the status of a batch upload.

For information on using REST APIs, see *CyberSource REST API Getting Started Guide*.

Servlet and REST Request Examples

The Download Servlet sends a GET request using the following URL format:

```
https://<server_name>/reports/servlet/DownloadReport/YYYY/MM/
DD/<merchant_ID>/<report_name>.<report_format>
```

The Query Servlet sends a POST request with search parameters:

```
https://<server_name>/ebc/Query
```

The search parameters required for each request are dependent on the servlet function.

REST requests vary by function. For detailed information, see the Reporting REST API, Transaction Detail REST API, and Transaction Search REST API in our Developer Center.

The examples below show the differences between servlet and REST requests for different functions.

Table 3 Servlet vs REST Request Examples

Function: Report Download

Servlet Request: `https://<server_name>/reports/servlet/DownloadReport/YYYY/MM/DD/<merchant_ID>/<report_name>.<report_format>`

REST Request: `https://api.cybersource.com/reporting/v3/report-downloads`

```
{
   "organizationID": "myorg",
   "reportDate": "2018-05-23",
   "reportName": "MyReport"
}
```

Function: Single Transaction Query (Transaction Detail in New Business Center)

Servlet Request: `https://<server_name>/ebc/Query?merchantID=merchant1&requestID=5187901209120179112634&type=transaction&subtype=transactionDetail&versionNumber=1.7`

REST Request: `https://api.cybersource.com/tss/v2/transactions/{id}`

Table 3 Servlet vs REST Request Examples (Continued)

Function: Transaction Search by Merchant Reference Number

Servlet Request: `https://<server_name>/ebc/Query?merchantID=merchant1&merchantReferenceNumber=1234&targetDate=20180523&requestID=5187901209120179112634&type=transaction&subtype=transactionDetail&versionNumber=1.7`

REST Request: `https://api.cybersource.com/tss/v2/searches`

```
{
   "save": "false",
   "name": "Search By Code",
   "timezone": "America/Chicago",
   "query": "clientReferenceInformation.code:123456",
   "offset": 0,
   "limit": 100,
   "sort": "id:asc, submitTimeUtc:asc"
}
```

Function: Order Detail Report (Transaction Request Report in New Business Center)

Servlet Request: `https://sl73ubcapq081.visa.com:8443/ebc/Query?merchantID=merchant1&requestID=5187901209120179112634&type=orderPaymentData`

REST Request: `https://api.cybersource.com/reporting/v3/report-downloads`

```
{
   "organizationID": "myorg",
   "reportDate": "2018-05-23",
   "reportName": "TransactionRequestReport"
}
```

Function: Notification of Change

Servlet Request: `https://sl73ubcapq081.visa.com:8443/ebc/Query?merchantID=pa_rbsworldpay&startDate=2018-02-15&endDate=2018-02-16&type=NOC&exportType=xml`

REST Request: `https://api.cybersource.com/reporting/v3/notification-of-changes`

```
{
   "startTime": "yyyy-MM-dd'T'HH:mm:ssXXX",
   "endTime": "yyyy-MM-dd'T'HH:mm:ssXXX"
}
```

REST FAQs

What is an API?

API stands for Application Programming Interface. It's a way for computer programs to talk to each other. The program using the API is known as the client. The client is usually written in a language such as Java or JavaScript.

The conversation between the programs follows the pattern of request and response.

The request:

- What do you want to do?
  - Get information.
  - Perform some task.

The response:

- The status of your request - did it fail or succeed?
- Other information you might have asked for.
- Often this is called the payload.

What is an API specification?

The conversation between programs happens in a structured way. The way to talk to an API is known as the “interface”, which is specific structure or specification standard.

How are REST APIs built?

An API is built on the following:

- Resources—A resource is the fundamental component of an API. It is considered an object (noun) and can have attributes like a name or a date. A resource can also be a collection of other resources.
- Verbs—A verb is the action you want to perform with the API, such as the following:
  - GET - Used to read a resource.
  - PUT - Use to update a resource.
  - POST - Used to make a new resource.
  - PATCH - Similar to put.

- DELETE - Delete a resource.

- Parameters—Parameters are extra information that tell the application how to handle your request. With the Reporting API, you can:
  - Get a recurring or a one-time report.
  - Create and update report subscriptions.
  - Delete subscriptions.
  - Get a list of all subscriptions.
  - Get the status of a report.

For example:

```
GET <url_prefix>/v2/
reports?orgID=BerniesNeatMerchnt&download=true&reportName=BerniesNeatRepo
rt&reportDate=20161215
```

In the example above, "`GET`" is the verb; "`reports`" is the resource; and the parameters are:

- `orgId`
- `download`
- `reportName`
- `reportDate`

APPENDIX A

Reports Reference

All Reports and What will Happen to Them

The tables in this section describe the difference between the old and new reports.

Payment Batch Detail Report

Legacy Report Name	Payment Batch Detail Report
Legacy Servlet	Download Servlet
New Report Name	Payment Batch Detail Report
REST API	Reporting API
Will the new report (or payload) be different?	Slightly different
Supports field customization and ordering?	Yes
Supports credits as negative number in CSV format?	Yes
Supports application filtering?	Yes
Will existing report subscriptions be recreated?	Yes
Subscribable from where?	Standard Report Screen and Report Type dropdown
What types of users can use?	Merchants, Account level users, and Partners
Lookback period	18 months

Transaction Detail Report

Legacy Report Name	Transaction Detail Report
Legacy Servlet	Download Servlet
New Report Name	Transaction Request Report
REST API	Reporting API
Will the new report (or payload) be different?	Slightly different

Supports field customization and ordering?	Yes
Supports credits as negative number in CSV format?	Yes
Supports application filtering?	Yes
Will existing report subscriptions be recreated?	Yes
Subscribable from where?	Standard Report Screen and Report Type dropdown
What types of users can use?	Merchants, Account level users, and Partners
Lookback period	18 months

Payment Transaction Events Report

Legacy Report Name	Payment Transaction Events Report (Payment Events Report)
Legacy Servlet	Download Servlet
New Report Name	Processor Events Report
REST API	Reporting API
Will the new report (or payload) be different?	Slightly different
Supports field customization and ordering?	Yes
Supports credits as negative number in CSV format?	Yes
Supports application filtering?	Yes
Will existing report subscriptions be recreated?	Yes
Subscribable from where?	Standard Report Screen and Report Type dropdown
What types of users can use?	Merchants, Account level users, and Partners
Lookback period	18 months

Transaction Exception Detail Report

Legacy Report Name	Transaction Exception Detail Report
Legacy Servlet	Download Servlet
New Report Name	Transaction Exception Detail Report
REST API	Reporting API
Will the new report (or payload) be different?	Slightly different

Supports field customization and ordering?	Yes
Supports credits as negative number in CSV format?	Yes
Supports application filtering?	Yes
Will existing report subscriptions be recreated?	Yes
Subscribable from where?	Standard Report Screen and Report Type dropdown
What types of users can use?	Merchants, Account level users, and Partners
Lookback period	18 months

Payer Authentication Detail Report

Legacy Report Name	Payer Authentication Detail Report
Legacy Servlet	Download Servlet
New Report Name	Payer Authentication Detail Report
REST API	Reporting API
Will the new report (or payload) be different?	Slightly different
Supports field customization and ordering?	No
Supports credits as negative number in CSV format?	No
Supports application filtering?	No
Will existing report subscriptions be recreated?	Yes, in the future.
Subscribable from where?	Report Type dropdown
What types of users can use?	Merchants
Lookback period	6 months

Subscription Detail Report

Legacy Report Name	Subscription Detail Report
Legacy Servlet	Download Servlet
New Report Name	Subscription Detail Report
REST API	Reporting API
Will the new report (or payload) be different?	Slightly different
Supports field customization and ordering?	No
Supports credits as negative number in CSV format?	No

Supports application filtering?	No
Will existing report subscriptions be recreated?	Yes
Subscribable from where?	Report Type dropdown
What types of users can use?	Merchants
Lookback period	6 months

Batch Files Detail Report

Legacy Report Name	Batch Files Detail Report
Legacy Servlet	Download Servlet
New Report Name	Batch Files Detail. This report will be available in early 2019.
REST API	Reporting API
Will the new report (or payload) be different?	Slightly different
Supports field customization and ordering?	No
Supports credits as negative number in CSV format?	No
Supports application filtering?	No
Will existing report subscriptions be recreated?	Yes, in the future
Subscribable from where?	Report Type dropdown
What types of users can use?	Merchants
Lookback period	18 months

Decision Manager Detail Report

Legacy Report Name	Decision Manager Detail Report
Legacy Servlet	Download Servlet
New Report Name	Decision Manager Detail Report
REST API	Reporting API
Will the new report (or payload) be different?	Yes
Supports field customization and ordering?	No
Supports credits as negative number in CSV format?	No
Supports application filtering?	No
Will existing report subscriptions be recreated?	Yes, in the future

Subscribable from where?	Report Type dropdown
What types of users can use?	Merchants
Lookback period	18 months

Decision Manager Events Detail Report

Legacy Report Name	NA
Legacy Servlet	NA
New Report Name	Decision Manager Events Detail Report
REST API	Reporting API
Will the new report (or payload) be different?	NA
Supports field customization and ordering?	No
Supports credits as negative number in CSV format?	No
Supports application filtering?	No
Will existing report subscriptions be recreated?	Yes
Subscribable from where?	Report Type dropdown
What types of users can use?	Merchants
Lookback period	6 months

Conversion Detail Report

Legacy Report Name	Conversion Detail Report
Legacy Servlet	Download Servlet
New Report Name	Conversion Detail Report
REST API	Reporting API
Will the new report (or payload) be different?	Slightly Different
Supports field customization and ordering?	No
Supports credits as negative number in CSV format?	No
Supports application filtering?	No
Will existing report subscriptions be recreated?	Yes, in the future
Subscribable from where?	Report Type dropdown
What types of users can use?	Merchants
Lookback period	6 months

Invoice Summary Report

Legacy Report Name	Invoice Summary Report
Legacy Servlet	NA
New Report Name	Invoice Summary Report
REST API	Reporting API
Will the new report (or payload) be different?	NA
Supports field customization and ordering?	No
Supports credits as negative number in CSV format?	No
Supports application filtering?	No
Will existing report subscriptions be recreated?	NA
Subscribable from where?	Standard Report Screen and Report Type dropdown
What types of users can use?	Merchants, Account level users, and Partners
Lookback period	6 months

Third Party Reports

Legacy Report Name	NA
Legacy Servlet	Download Servlet
New Report Name	These reports will have the same names
REST API	Secure File Share API
Will the new report (or payload) be different?	No
Supports field customization and ordering?	NA
Supports credits as negative number in CSV format?	NA
Supports application filtering?	NA
Will existing report subscriptions be recreated?	These reports will be present in the new Business Center.
Subscribable from where?	NA
What types of users can use?	Merchants
Lookback period	NA

Batch Upload Reply files

Legacy Report Name	NA

Legacy Servlet	Download Servlet
New Report Name	These reports will have the same names
REST API	Secure File Share API
Will the new report (or payload) be different?	No
Supports field customization and ordering?	NA
Supports credits as negative number in CSV format?	NA
Supports application filtering?	NA
Will existing report subscriptions be recreated?	These reports will be present in the new Business Center.
Subscribable from where?	NA
What types of users can use?	Merchants
Lookback period	NA

Account Updater Reply files

Legacy Report Name	NA
Legacy Servlet	Download Servlet
New Report Name	These reports will have the same names
RESTful API	Secure File Share API
Will the new report (or payload) be different?	No
Supports field customization and ordering?	NA
Supports credits as negative number in CSV format?	NA
Supports application filtering?	NA
Will existing report subscriptions be recreated?	These reports will be present in the new Business Center.
Subscribable from where?	NA
What types of users can use?	Merchants
Lookback period	NA

Table 4 Legacy On-Demand Reports

Legacy Report Name	Legacy Servlet	New Report Name	REST API	Will the new report (or payload) be different?	What types of users can use?
Payment Batch Summary Report	Acquiring Servlet	Payment Batch Summary Report	Reporting API	No	Merchants, account level users. Partners can view data MID-by-MID.
Payer Authorization Summary	NA	Payer Authorization Summary	NA	No	Merchants and account level users.
Purchase and Refund Detail Report	Acquiring Servlet	Purchase and Refund Details	Reporting API	No	Merchants and account level users.
Notification of Change	NA	Notification of Change	Reporting API	No	Merchants
JP Reports - Report 96	Download Servlet	JP Transaction Report	Reporting API	Slightly different	NA

Table 5 Servlet Only Reports

Legacy function	Legacy servlet	Replacement API	Will the new payload be different?
Single Transaction Query (search by Request ID)	Query Servlet	Transaction Detail API	Yes - JSON payload with new field names.
Search for Transactions by Merchant Reference number	Query Servlet	Transaction Search API	Yes - JSON payload with new field names.
Notification of Change (on-demand)	n/a	Reporting API	No
Conversion Detail Report (on-demand)	Query Servlet	Reporting API	No
User Listing Servlet	Query Servlet	User Management API	Yes - JSON payload with new field names.

Table 5 Servlet Only Reports (Continued)

Legacy function	Legacy servlet	Replacement API	Will the new payload be different?
Response File Write (Batch Upload status)	Query Servlet	Batch Status API	Yes - JSON payload with new field names.
On-Demand Order Detail Report	Query Servlet	Retired	Retired
Transaction Exception DetailReport Request	Query Servlet	Retired	Retired

Table 6 Retired Reports

Legacy Report ID	Legacy Report Name	Legacy Servlet	How to approximate this report	Will the existing subscriptions be recreated?
29	Payment Submission Detail Report	Download Servlet	Use Payment Batch Detail with field Processor ID	Yes
47	Order Detail Report	Download Servlet	Use the Transaction Detail Report	Yes
74	Payment Activity Summary	Old Acquiring Servlet only	Net Funding screen	NA
76	Chargeback and Representment Detail Report	Old Acquiring Servlet only	New Business Center Chargeback Detail Report	NA
77	Transfer Log	Old Acquiring Servlet only	New Business Center Deposit Detail Report	NA
78	Fee detail	Old Acquiring Servlet only	New Business Center Fee Detail Report	NA
78	Summary of Fees (old report servlet only)	Old Acquiring Servlet only	New Business Center Fee Summary report (coming soon)	NA

Report Comparisons

This section contains information on the following patterns:

- Amount field.
- Date and time expressed in report headers.
- Date and time expressed in the transaction date field.
- Date and time expressed in the batch date field.
- Date and time expressed in the event date field.

Amount Patterns

Table 7 Old Amount Patterns (CSV and XML)

Old report name/new report name/	Old transaction amount field name	Old credits printed as negative
Payment Batch Detail Report/ Payment Batch Detail Report	amount	Yes
Payment Events Report/ Processor Events Report	merchant_amount	Yes
Transaction Detail Report/ Transaction Request Report	amount	Yes
Transaction Exception Detail Report/ Transaction Exception Detail Report	amount	Yes

Amount Pattern in New Reports - All formats

Field name: amount

Credits printed as negative number: Credits will be displayed as whole numbers (without the negative sign). User may optionally configure the report to print credits as negative numbers.

Date Patterns

New reports will use the following date patterns:

- **Time zone:** GMT
- **Format:** Datetime/ISO 8601
- **Field name:** RequestDate

For example, 2017-08-01T00:00:00Z to 2017-08-31T23:59:00Z.

Note

The field `localizedRequestDate` will be printed in the time zone of the merchant; if there is no time zone preference, then the time zone will be GMT.

Old reports used various timezone and time format conventions as listed below.

Table 8 Date Printed in Old Headers - CSV Format

Old report name/new report name/	Old CSV Time Zone	Old CSV Format	Old CSV report header position	Old CSV Example
Payment Batch Detail Report/ Payment Batch Detail Report	Pacific	YYYY-MM-DD	Position 3 of header	Payment Batch Detail Report,1.0,2018-03-18 to 2018-03-18
Payment Events Report/ Processor Events Report	Pacific	DD/MM/YY	NA	Payment Events Report, 1, 3/18/18, kitbag_globalcollect
Transaction Detail Report/Transaction Request Report	GMT	YYYY/MM/DD	NA	Transaction Detail Report, 1, 2018-03-18 to 2018-03-18
Transaction Exception Detail Report/ Transaction Exception Detail Report	GMT	YYYY/MM/DD	NA	Transaction Exception Detail Report, 1, 2018-03-18 to 2018-03-18

Table 9 Transaction Date

Old report name/ new report name/	Old CSV Time Zone	Old CSV Format	Old CSV report field name	Old CSV Example
Payment Batch Detail Report/ Payment Batch Detail Report	Transaction date field not available in the old report			
Payment Events Report/ Processor Events Report	Transaction date field not available in the old report			
Transaction Detail Report/Transaction Request Report	GMT	2018-03-16T08:35:05+00:00	transaction_date	2018-03-16T08:35:05+00:00
Transaction Exception Detail Report/ Transaction Exception Detail Report	GMT	2018-03-16T08:35:05+00:00	transaction_date	2018-03-16T08:35:05+00:00

Table 10 Batch Date

Old report name/ new report name/	Old CSV Time Zone	Old CSV Format	Old CSV report field name	Old CSV Example
Payment Batch Detail Report/ Payment Batch Detail Report	GMT	YYYY-MM-DD	batch_date	2018-03-16

Table 11 Event Date

Old report name/ new report name/	Old CSV Time Zone	Old CSV Format	Old CSV report field name	Old CSV Example
Payment Events Report/Processor Events Report	Pacific	YYYY-MM-DD	event_date	2018-03-16

APPENDIX B

Field Mapping

Field Names in JSON Response

The Transaction Search and Transaction Detail REST APIs return JSON responses. The table below shows the new REST field names and the old servlet field names.

Table 12 Servlet to REST Field Mapping

Servlet Field Name	REST Field Name
ApplicationReplies.ApplicationReply.Name	applicationInformation.applications[].name
ApplicationReplies.ApplicationReply.Rcode	applicationInformation.applications[].rCode
ApplicationReplies.ApplicationReply.Rflag	applicationInformation.applications[].rFlag
ApplicationReplies.ApplicationReply.RMsg	HTTP 201: errorInformation.message HTTP 400/502: message
Applications.application	applicationInformation.applications[].name
Applications.reasonCode	applicationInformation.applications[].reasonCode
Applications.status	applicationInformation.applications[].status
BillTo.Address1	orderInformation.billTo.address1
BillTo.Address2	orderInformation.billTo.address2
BillTo.City	orderInformation.billTo.locality
BillTo.CompanyName	orderInformation.billTo.company
BillTo.Country	orderInformation.billTo.country
BillTo.CustomerID	buyerInformation.merchantCustomerId
BillTo.Email	orderInformation.billTo.email
BillTo.FirstName	orderInformation.billTo.firstName
BillTo.Hostname	deviceInformation.hostName
BillTo.IPAddress	deviceInformation.ipAddress
BillTo.LastName	orderInformation.billTo.lastName
BillTo.MiddleName	orderInformation.billTo.middleName
BillTo.NameSuffix	orderInformation.billTo.suffix
BillTo.Phone	orderInformation.billTo.phoneNumber
BillTo.State	orderInformation.billTo.administrativeArea

Table 12 Servlet to REST Field Mapping

Servlet Field Name	REST Field Name
BillTo.Title	orderInformtion.billTo.title
BillTo.UserName	buyerInformation.merchantCustomerId
BillTo.Zip	orderInformation.billTo.postalCode
Comments	clientReferenceInformation.applicationUser
LineItems.lineItem.FulfillmentType	orderInformation.lineItems[].fulfillmentType
LineItems.lineItem.MerchantProductSKU	orderInformation.lineItems[].productSku
LineItems.lineItem.Number	Not required to return as API response but it should be used to reconstruct the line item array.
LineItems.lineItem.ProductCode	orderInformation.lineItems[].productCode
LineItems.lineItem.ProductName	orderInformation.lineItems[].productName
LineItems.lineItem.Quantity	orderInformation.lineItems[].quantity
LineItems.lineItem.TaxAmount	orderInformation.lineItems[].taxAmount
LineItems.lineItem.UnitPrice	orderInformation.lineItems[].unitPrice
MerchantDefinedData.field1	merchantDefinedInformation[].key = "field1" merchantDefinedInformation[].value
MerchantDefinedData.field2	merchantDefinedInformation[].key = "field2" merchantDefinedInformation[].value
MerchantDefinedData.field3	merchantDefinedInformation[].key = "field3" merchantDefinedInformation[].value
MerchantDefinedData.field4	merchantDefinedInformation[].key = "field4" merchantDefinedInformation[].value
MerchantDefinedData.field5	merchantDefinedInformation[].key = "field5" merchantDefinedInformation[].value
MerchantDefinedData.field6	merchantDefinedInformation[].key = "field6" merchantDefinedInformation[].value
MerchantDefinedData.field7	merchantDefinedInformation[].key = "field7" merchantDefinedInformation[].value
MerchantDefinedData.field8	merchantDefinedInformation[].key = "field8" merchantDefinedInformation[].value
MerchantDefinedData.field9	merchantDefinedInformation[].key = "field9" merchantDefinedInformation[].value
MerchantDefinedData.field10	merchantDefinedInformation[].key = "field10" merchantDefinedInformation[].value
MerchantDefinedData.field11	merchantDefinedInformation[].key = "field11" merchantDefinedInformation[].value
MerchantDefinedData.field12	merchantDefinedInformation[].key = "field12" merchantDefinedInformation[].value
MerchantDefinedData.field13	merchantDefinedInformation[].key = "field13" merchantDefinedInformation[].value

Table 12 Servlet to REST Field Mapping

Servlet Field Name	REST Field Name
MerchantDefinedData.field14	merchantDefinedInformation[].key = "field14" merchantDefinedInformation[].value
MerchantDefinedData.field15	merchantDefinedInformation[].key = "field15" merchantDefinedInformation[].value
MerchantDefinedData.field16	merchantDefinedInformation[].key = "field16" merchantDefinedInformation[].value
MerchantDefinedData.field17	merchantDefinedInformation[].key = "field17" merchantDefinedInformation[].value
MerchantDefinedData.field18	merchantDefinedInformation[].key = "field18" merchantDefinedInformation[].value
MerchantDefinedData.field19	merchantDefinedInformation[].key = "field19" merchantDefinedInformation[].value
MerchantDefinedData.field20	merchantDefinedInformation[].key = "field20" merchantDefinedInformation[].value
MerchantReferenceNumber	clientReferenceInformation.code
PaymentData.ACHVerificationResult	processorInformation.achVerification.resultCodeRaw
PaymentData.ACHVerificationResultMapped	processorInformation.achVerification.resultCode
PaymentData.Amount	orderInformation.amountDetails.totalAmount
PaymentData.AuthorizationCode	processorInformation.approvalCode
PaymentData.AVSResult	processorInformation.avs.codeRaw
PaymentData.AVSResultMapped	processorInformation.avs.code
PaymentData.BalanceAmount	paymentInformation.accountFeatures.balanceAmount
PaymentData.BalanceCurrencyCode	paymentInformation.accountFeatures.currency
PaymentData.CurrencyCode	orderInformation.amountDetails.currency
PaymentData.CVResult	processorInformation.cardVerification.resultCode
PaymentData.EVEmail	processorInformation.electronicVerificationResults.email
PaymentData.EVEmailRaw	processorInformation.electronicVerificationResults.emailRaw
PaymentData.EventType	NA
PaymentData.EVName	processorInformation.electronicVerificationResults.name
PaymentData.EVNameRaw	processorInformation.electronicVerificationResults.nameRaw
PaymentData.EVPhoneNumber	processorInformation.electronicVerificationResults.phoneNumber

Table 12 Servlet to REST Field Mapping

Servlet Field Name	REST Field Name
PaymentData.EVPhoneNumberRaw	processorInformation.electronicVerification Results.phoneNumberRaw
PaymentData.EVPostalCode	processorInformation.electronicVerification Results.postalCode
PaymentData.EVPostalCodeRaw	processorInformation.electronicVerification Results.postalCodeRaw
PaymentData.EVStreet	processorInformation.electronicVerification Results.street
PaymentData.EVStreetRaw	processorInformation.electronicVerification Results.streetRaw
PaymentData.NumberOfInstallments	installmentInformation.numberOfInstallments
PaymentData.payerAuthenticationInfo.AAV _CAVV	consumerAuthenticationInformation.cavv
PaymentData.payerAuthenticationInfo.ECI	consumerAuthenticationInformation.eciRaw
PaymentData.payerAuthenticationInfo.XID	consumerAuthenticationInformation.xid
PaymentData.PaymentProcessor	processorInformation.processor.name
PaymentData.PaymentRequestID	Not supported
PaymentData.ProcessorResponseCode	processorInformation.responseCode
PaymentData.RequestedAmount	orderInformation.amountDetails.totalAmount
PaymentData.RequestedAmountCurrency Code	orderInformation.amountDetails.currency
PaymentData.TotalTaxAmount	orderInformation.amountDetails.taxAmount
PaymentMethod.Card.AccountSuffix	paymentInformation.card.suffix
PaymentMethod.Card.BoletoNumber	paymentInformation.invoice.number
PaymentMethod.Card.CardType	paymentInformation.card.type
PaymentMethod.Card.ExpirationMonth	paymentInformation.card.expirationMonth
PaymentMethod.Card.ExpirationYear	paymentInformation.card.expirationYear
PaymentMethod.Card.IssueNumber	paymentInformation.card.issueNumber
PaymentMethod.Card.StartMonth	paymentInformation.card.startMonth
PaymentMethod.Card.StartYear	paymentInformation.card.startYear
PaymentMethod.Check.AccountSuffix	paymentInformation.bank.account.suffix
PaymentMethod.Check.CheckNumber	paymentInformation.bank.account.checkNumber
PaymentMethod.WalletType	processingInformation.paymentSolution
PredecessorRequestID	rootId
Profilelist.Profile.Name	riskInformation.profile.name
Profilelist.Profile.Name	riskInformation.passiveProfile.name
Profilelist.Profile.ProfileDecision	riskInformation.profile.decision

Table 12 Servlet to REST Field Mapping

Servlet Field Name	REST Field Name
Profilelist.Profile.ProfileDecision	riskInformation.passiveProfile.decision
Profilelist.Profile.ProfileMode	riskInformation.profiles.mode
Profilelist.Profile.RuleList.Rule.ruleDecision	riskInformation.rules[].decision
Profilelist.Profile.RuleList.Rule.ruleDecision	riskInformation.passiveRules[].decision
Profilelist.Profile.RuleList.Rule.ruleName	riskInformation.rules[].name
Profilelist.Profile.RuleList.Rule.ruleName	riskInformation.passiveRules[].name
reasonCode	applicationInformation.reasonCode
RequestDate	submitTimeUTC
RequestID	id
RiskData.AppliedAVS	processorInformation.avs.code
RiskData.AppliedCategoryGift	Not supported
RiskData.AppliedCategoryTime	Not supported
RiskData.AppliedCV	processorInformation.cardVerification.resultCode
RiskData.AppliedHostHedge	Not supported
RiskData.AppliedThreshold	Not supported
RiskData.AppliedTimeHedge	Not supported
RiskData.AppliedVelocityHedge	Not supported
RiskData.ConsumerLoyalty	Not supported
RiskData.ConsumerPasswordProvided	buyerInformation.hashedPassword
RiskData.ConsumerPromotions	Not supported
RiskData.CookiesAccepted	deviceInformation.cookiesAccepted
RiskData.Factors	riskInformation.score.factorCodes[]
RiskData.GiftWrap	orderInformation.shippingDetails.giftWrap
RiskData.HostSeverity	Not supported
RiskData.LostPassword	Not supported
RiskData.ProductRisk	Not supported
RiskData.RepeatCustomer	Not supported
RiskData.ReturnsAccepted	Not supported
RiskData.Score	riskInformation.score.result
RiskData.TimeLocal	riskInformation.localTime
shipping.Carrier	Not supported
shipping.Method	orderInformation.shippingDetails.shippingMethod
ShipTo.Address1	orderInformation.shipTo.address1
ShipTo.Address2	orderInformation.shipTo.address2
ShipTo.City	orderInformation.shipTo.locality

Table 12 Servlet to REST Field Mapping

Servlet Field Name	REST Field Name
ShipTo.CompanyName	orderInformation.shipTo.company
ShipTo.Country	orderInformation.shipTo.country
ShipTo.FirstName	orderInformation.shipTo.firstName
ShipTo.LastName	orderInformation.shipTo.lastName
ShipTo.Phone	orderInformation.shipTo.phoneNumber
ShipTo.State	orderInformation.shipTo.administrativeArea
ShipTo.ZipShipTo	orderInformation.shipTo.postalCode
Source	clientReferenceInformation.applicationName
status	applicationInformation.status
SubscriptionID	paymentInformation.customer.customerId
TransactionReferenceNumber	reconciliationID
User	clientReferenceInformation.applicationUser
NA	paymentInformation.card.prefix
NA	paymentInformation.invoice.barcodeNumber
NA	paymentInformation.invoice.expirationDate
NA	paymentInformation.accountFeatures.previousBalanceAmount
NA	consumerAuthenticationInformation.transactionId
pay_req_id	Not supported
order_number	Not supported
request_key	Not supported
auth_type	processingInformation.authorizationOptions.authType
auth_amount	OrderInformation.amountDetails.authorizedAmount
payment_service_data	Not supported
payment_service_data_2	Not supported
response_code	processorInformation.responseCode
type_code	Not supported
acct_enc	Not supported
acct_key	Not supported
NA	paymentInformation.paymentType.name
type	paymentInformation.paymentType.type
subType	paymentInformation.paymentType.method
NA	paymentInformation.paymentType.fundingSource

Table 12 Servlet to REST Field Mapping

Servlet Field Name	REST Field Name
NA	paymentInformation.paymentType.funding SourceAffiliation
NA	paymentInformation.paymentType.credential
merchant_name	merchantId
order_total_amount	orderInformation.amountDetails.totalAmount
eci	processingInformation.commerceIndicator
objFxQuoteId	Not supported
accountEncoderID	paymentInformation.card.accountEncoderId paymentInformation.bank.account.encoderId
posEntryMode	pointOfSaleInformation.entryMode
terminalCapability	pointOfSaleInformation.terminalCapability
processor_trans_id	processorInformation.transactionId
override_payment_method	paymentInformation.card.useAs
payment_network_transaction_id	processorInformation.networkTransactionId
sender_reference_number	senderInformation.referenceNumber
aft_indicator	Not supported
processor_response_id	processorInformation.responseId
provider_transaction_id	processorInformation.providerTransactionId
NA	fraudMarkingInformation.reason