



EZYPAY[®]

Documentation

Recurring Billing Integration

Contents

Introduction	2
Authentication	2
HTTP Status Codes.....	3
Error Messages.....	3
Debit Resources	4
Create a debit	4
Retrieve a single debit.....	5
Retrieve a list of debits.....	6
Update a debit	7
Delete a debit	8
Retrieve a list of modified debit	9
Refund Resources.....	10
Refund a debit	10
Customer Resources.....	11
Create a customer.....	11
Create a customer with payment instruction	15
Retrieve a single customer	17
Retrieve a single customer via RefererenceId.....	18
Retrieve a list of customers.....	19
Update an existing customer	20
Delete an existing customer.....	22
Customer Account Resources.....	23
Create a new customer account.....	23
Retrieve a customer account via CustomerId	25
Payment Plan Resource.....	26
Retrieve a List of Payment Plans.....	26
Ezypay Daily Transaction File Resource.....	27
Daily Transaction File Information	27
Retrieve Daily Transaction File.....	27
Settlement	28
Retrieve the latest settlement transaction.....	28
Retrieve list of settlements	29
Retrieve settlement revenue details	30
Retrieve settlement deduction details	31

Introduction

Ezypay APIs are built around intuitive REST design, utilizing resource-oriented URLs and HTTP response codes to indicate API errors. We leverage standard HTTP features such as HTTP authentication and verbs to facilitate off-the-shelf HTTP clients. All responses from the API (including errors) are returned in JSON format.

Authentication

The Ezypay Direct Debit API uses http basic access authentication.

- You need to use the private key of your test or live environment to authenticate.
- You need to set your private key as the username.
- You don't need a password.
- All requests must be made via HTTPS. Requests made in other ways will fail.

Important Reminder: Keep your private keys secure and don't pass them to anyone.

Example

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \  
  --request POST \  
  --data @JsonFormatData.txt \  
  "https://api.ezypay.com/api/v1/debits" \  
 \  
Or
```

```
Curl --include -u "TheAuthorizationToken:" \  
  --request POST \  
  --data @JsonFormatData.txt \  
  "https://api.ezypay.com/api/v1/debits" \  
 \  
Or
```

HTTP Status Codes

The Ezypay Direct Debit API attempts to return appropriate HTTP Status codes for every request.

Code	Text	Description
200	OK	Success
400	Bad Request	The request was invalid. An accompanying error message will explain why.
401	Unauthorized	Authentication credentials were missing or incorrect.
412	Precondition Failed	The request was invalid due to validation errors such as missing required fields.
500	Internal Server Error	Something is broken.

Error Messages

Ezypay Direct Debit API will return the accompanying error message when it returns HTTP Status Codes 400, 401, 412 and 500.

Example

Response

```
{
  "Message": "There is a validation error",
  "Details": [
    {"Code": "1", "Description": "Email is required"},
    {"Code": "1", "Description": "Name is required"}
  ]
}
```

Debit Resources

A debit is a transaction charge made by credit card or direct debit. That is why you need to insert a debit object with "CustomerId" and "Amount" to charge a customer. Every transaction will have a unique identifier, which is generated by Ezypay to identify each debit.

Create a debit

POST	/v1/debits{?customerId,amount,date}
	/v1/debits{?referenceId,amount,date}

Create a new debit

All debits created here are classified as "OnDemand Payment".

Mandatory Fields:-

CustomerId or ReferenceId, Amount, Date (Format YYYY-MM-DD)

Business Rules:-

- CustomerId is valid and exists in Ezypay's billing system
- Customer does not have Inactive Reason of "Principal Cancelled"
- Max debit value is as per agreement and configuration at Ezypay's billing system
- Other fees to be applied are as per agreement and configuration at Ezypay's billing system

Validations:-

- Amount must be more than \$0.00 and less than or equal to the Max Debit Value configured at Ezypay's billing system (typically at \$1000.00)
- CustomerId must be valid
- Date must be in the format of YYYY-MM-DD
- Date cannot be in the past. If the date entered is today, it will be rejected if it is past the closing hour.

Example

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \
  --request POST \
  --data @JsonFormatData.txt
  "https://api.ezypay.com/api/v1/debits" \
```

Response

```
200 (OK)
Content-Type: application/json

{
  "Amount": 19.99,
  "CustomerId": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",
  "Date": "2013-05-06",
  "FailedReason": null,
  "Id": "72F7858E-2097-42D5-8192-2B03DE1C45CA",
  "Status": "Pending"
}
```

Retrieve a single debit

GET /v1/debits/{id}

Get the existing debit

Displays a single debit based on the unique identifier.

Business Rules:-

- DebitId is valid and exists in Ezypay's billing system

Example

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \  
--request GET \  
"https://api.ezypay.com/api/v1/debits/{id}"
```

Response

```
200 (OK)  
Content-Type: application/json  
  
{  
  "Amount": 19.99,  
  "CustomerId": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",  
  "Date": "2013-05-06",  
  "FailedReason": "",  
  "Id": "72F7858E-2097-42D5-8192-2B03DE1C45CA",  
  "Status": "Success"  
}
```

Retrieve a list of debits

GET `/v1/debits?customerId,dateFrom,dateTo,pagesize,pageNumber}`
`/v1/debit{?referenceId,dateFrom,dateTo,pagesize,pageNumber}`

Get the list of debits with the specified criteria

Displays a list of debits with the specified filters. By default, debits are sorted by date in descending order.

Mandatory Fields:-

CustomerId or ReferenceId, dateFrom, dateTo

Business Rules:-

- dateFrom has to be before dateTo

Example

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \
  --request GET \
  "https://api.ezypay.com/api/v1/debits?customerId={customerId}&dateFrom={dateFrom}&dateTo={dateTo} \
  &pageSize={pageSize}&pageNumber={pageNumber}"
```

Response

```
200 (OK)
Content-Type: application/json

[
  {
    "Amount": 19.99,
    "CustomerId": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",
    "Date": "2013-05-06",
    "FailedReason": "",
    "Id": "72F7858E-2097-42D5-8192-2B03DE1C45CA",
    "Status": "Success"
  },
  {
    "Amount": 19.99,
    "CustomerId": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",
    "Date": "2013-05-13",
    "FailedReason": "",
    "Id": "8454AAB8-E27E-49ED-AC17-9CBB51B5B9F8",
    "Status": "Success"
  },
  {
    "Amount": 39.99,
    "CustomerId": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",
    "Date": "2013-05-20",
    "FailedReason": "Insufficient Funds",
    "Id": "E97FF93F-7212-4527-81C2-B7798464D6B2",
    "Status": "Fail"
  }
]
```

Update a debit

PUT /v1/debits/{id}{?amount,date}

Perform a debit update

A debit that has not been billed can be edited. Requests to update a debit that has been billed will be rejected.

Mandatory Fields:-

Amount, Date (Format YYYY-MM-DD)

Business Rules:-

- DebitId is valid and exists in Ezypay's billing system
- Debit status = "Pending"
- Max debit value is as per agreement and configuration at Ezypay's billing system
- Debit date CANNOT be a past date; Valid debit date is valid from today onwards as long as it's inserted before 3am.

Validations:-

- Amount must be more than \$0.00 and less than or equal to the Max Debit Value configured at Ezypay's billing system (typically at \$1000.00)
- Date must be in the format of YYYY-MM-DD
- Date cannot be in the past.

Example

Request

```
curl --include --header "Authorization: Basic TheAuthorizationToken" \
  --request PUT \
  --data @JsonFormatData.txt
  "https://api.ezypay.com/api/v1/debits/{id}"
```

Response

```
200 (OK)
Content-Type: application/json

{
  "Amount": 19.99,
  "CustomerId": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",
  "Date": "2013-05-06",
  "FailedReason": "",
  "Id": "72F7858E-2097-42D5-8192-2B03DE1C45CA",
  "Status": "Success"
}
```


Delete a debit

GET /v1/debits/{id}

Delete the debit

- A debit that has not been billed can be deleted.
- A debit that has been billed in which payment was successful cannot be deleted.
- A debit that has been billed but payment failed cannot be deleted.

Business Rules:-

- DebitId is valid and exists in Ezypay's billing system
- Only debit with status "Pending" can be deleted

Example

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \  
--request GET \  
"https://api.ezypay.com/api/v1/debits/{id}"
```

Response

```
204 (OK) NO CONTENT
```

Retrieve a list of modified debit

GET /v1/modifieddebits?{dateFrom}&{dateTo}&{businessId}&{paymentMethodId}

Modified debit

- Debit that is updated through edit debit, remove debit, billing run or any variations against the debit.
- The list of modified debits retrieved will be the list of debits belong to the organization code derived from the business Id entered.

Business Rules:-

- businessId is valid and exists in Ezypay's business account
- paymentMethodId is either 0 (means all payment method), 1 (means credit card) or 2 (means bank)
- dateFrom and dateTo will be timestamp duration of the query

Example

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \  
--request GET \  
"https://api.ezypay.com/api/v1/modifieddebits?{dateFrom}&{dateTo}&{businessId}&{paymentMethodId}"
```

Response

```
204 (OK)  
Content-Type: application/json
```

```
{  
  {  
    "CustomerId": "ad889ed1-538b-4db6-b9c6-e941d1515c1b",  
    "ModifiedDate": "2014-04-22T10:03:36.683"  
  },  
  {  
    "CustomerId": "2e87e031-4893-4eab-86a9-5967314b4ce7",  
    "ModifiedDate": "2014-04-22T10:03:36.720"  
  },  
}
```

Refund Resources

A refund is the reverse of a credit card or direct debit transaction charge. That is why a refund can only be made for a debit that has been billed in which payment was successful.

Refund a debit

POST

/v1/refunds/debitId/{id}

Refund a debit

Perform a full refund on a debit from a given debitId. A debit can only be refunded once.

Business Rules:-

- DebitId is valid and exists in Ezypay's billing system
- Status of the debit (to be refunded) should be "Success" or "Partial Refunded"
- A Refund fee may be charged as per agreement and configuration at Ezypay's billing system

Validations:-

- DebitId must be valid

Example

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \
  --request POST \
  "https://api.ezypay.com/api/v1/refunds/debitId/{id}"
```

Response

```
200 (OK)
Content-Type: application/json

{
  "Amount": 19.99,
  "CustomerId": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",
  "Date": "2013-05-06",
  "FailedReason": "",
  "Id": "72F7858E-2097-42D5-8192-2B03DE1C45CA",
  "Status": "Refund Requested"
}
```

Customer Resources

A customer refers to the minimal customer identification required by Ezypay to identify an individual. A billing status is attached to each customer. Ezypay will freeze all billings for a customer with the billing status of "Inactive".

Create a customer

POST `/v1/customers?{accountHolderName,accountNumber,bankCode,expiryDate},businessAccountReference,firstname,surname,dateOfBirth,email,gender,mobilePhone,referenceId,address1,address2,suburb,state (Equivalent to TownCity for NZ),postalCode,countryCode,TermsAndConditions,PaymentPlanId}`

Create a new customer

Add the customer along with the required account details. Account details posted on the web are masked. If you have a payment plan that you would like to associate your new customer with, please insert the PaymentPlanId.

Australia

- **Mandatory Fields:-**
BusinessAccountReference,Firstname, Surname, ReferenceId, MobilePhone, Email,Address1,City,State,Postcode,AccountHolderName, AccountNumber, BankCode (if payment method is bank), ExpiryDate (if payment method is Credit Card), CountryCode, TermsAndConditions, PaymentPlanId (if principal is not an On Demand principal)
- **Business Rules:-**
 - BusinessAccountReference is valid and exists in Ezypay's billing system
 - ReferenceId has to be unique within Ezypay's billing system
- **Validations:-**
 - BusinessAccountReference must contain 5 numbers
 - Firstname is required, max 50 characters
 - Surname is required, max 50 characters
 - Email is required and must be in valid format, max 255 characters
 - Address1 is required, max 50 characters
 - City is required, max 50 characters
 - State is required, max 50 characters
 - Postcode is required, max 4 characters
 - MobilePhone is required, the number must start with 04 and followed by 8 digits (04XXXXXXXX)
 - HomePhone is optional, the number must start with either 02/03/07/08 and followed by 8 digits
 - AccountHolderName is required, max 100 characters
 - AccountNumber is required, max 16 characters
 - BankCode is required if bank account number is specified, max 6 characters
 - CountryCode is required, must be 2 alphabetical letters
 - ExpiryDate is required if BankCode is specified, must be in the format of (MM/YY), 5 character length
 - ReferenceId is required, which is the vendor's own unique identifier for the customer.
 - TermsAndConditions is required, Boolean value and always set to 'True'

New Zealand

- **Mandatory Fields:-**
BusinessAccountReference,Firstname, Surname, ReferenceId, MobilePhone, Email,Address1,AccountHolderName, AccountNumber, [BankCode, Suffix Number](if payment method is bank), ExpiryDate (if payment method is Credit Card), CountryCode, TermsAndConditions, PaymentPlanId (if principal is not an On Demand principal)

- **Business Rules:-**
 - BusinessAccountReference is valid and exists in Ezypay's billing system
 - ReferenceId has to be unique within Ezypay's billing system
- **Validations:-**
 - BusinessAccountReference must contain 5 numbers
 - Firstname is required, max 50 characters
 - Surname is required, max 50 characters
 - Email is required and must be in valid format, max 255 characters
 - Address1 is required, max 50 characters
 - AccountHolderName is required, max 100 characters
 - AccountNumber is required, max 16 characters
 - BankCode is required if AccountNumber is a bank account number, max 6 characters (First 2 digits for bank number, last 4 digits for branch number)
 - Suffix number is required if AccountNumber is a bank account number, max 2 characters
 - CountryCode is required, must be 2 alphabetical letters
 - ExpiryDate is required if BankCode is not specified, must be in the format of (MM/YY), 5 character length
 - ReferenceId is required, which is the vendor's own unique identifier for the customer.
 - TermsAndConditions is required, Boolean value and always set to 'True'

Malaysia

- **Mandatory Fields:-**
BusinessAccountReference, Firstname, Surname, ReferenceId, MobilePhone, Email, Address1, City, State, Postcode, AccountNumber, ExpiryDate (if payment method is Credit Card), CountryCode, TermsAndConditions, PaymentPlanId (if principal is not an On Demand principal)
- **Business Rules:-**
 - BusinessAccountReference is valid and exists in Ezypay's billing system
 - ReferenceId has to be unique within Ezypay's billing system
- **Validations:-**
 - BusinessAccountReference must contain 5 numbers
 - Firstname is required, max 50 characters
 - Surname is required, max 50 characters
 - Email is required and must be in valid format, max 255 characters
 - Address1 is required, max 50 characters
 - City is required, max 50 characters
 - State is required, max 50 characters
 - Postcode is required, max 10 characters
 - AccountNumber is required, max 16 characters
 - CountryCode is required, must be 2 alphabetical letters
 - ExpiryDate is required if BankCode is not specified, must be in the format of (MM/YY), 5 character length
 - ReferenceId is required, which is the vendor's own unique identifier for the customer.

TermsAndConditions is required, Boolean value and always set to 'True'

Singapore

- **Mandatory Fields:-**
BusinessAccountReference, Firstname, Surname, ReferenceId, MobilePhone, Email, Address1, Postcode, AccountNumber, ExpiryDate (if payment method is Credit Card), CountryCode, TermsAndConditions, PaymentPlanId (if principal is not an On Demand principal)
- **Business Rules:-**
 - BusinessAccountReference is valid and exists in Ezypay's billing system

- Referenceld has to be unique within Ezypay's billing system
- **Validations:-**
 - BusinessAccountReference must contain 5 numbers
 - Firstname is required, max 50 characters
 - Surname is required, max 50 characters
 - Email is required and must be in valid format, max 255 characters
 - Address1 is required, max 50 characters
 - Postcode is required, max 4 characters
 - MobilePhone is required, the number must start with 02 and followed by 7 to 9 digits
 - HomePhone is optional, the number must start with either 03/04/06/07/09 and followed by 7 digits
 - AccountNumber is required, max 16 characters
 - CountryCode is required, must be 2 alphabetical letters
 - ExpiryDate is required if BankCode is not specified, must be in the format of (MM/YY), 5 character length
 - Referenceld is required, which is the vendor's own unique identifier for the customer.
 - TermsAndConditions is required, Boolean value and always set to 'True'

Hong Kong

- **Mandatory Fields:-**
BusinessAccountReference, Firstname, Surname, Referenceld, MobilePhone, Email, Address1, AccountNumber, ExpiryDate (if payment method is Credit Card), CountryCode, TermsAndConditions, PaymentPlanId (if principal is not an On Demand principal)
- **Business Rules:-**
 - BusinessAccountReference is valid and exists in Ezypay's billing system
 - Referenceld has to be unique within Ezypay's billing system
- **Validations:-**
 - BusinessAccountReference must contain 5 numbers
 - Firstname is required, max 50 characters
 - Surname is required, max 50 characters
 - Email is required and must be in valid format, max 255 characters
 - Address1 is required, max 50 characters
 - AccountNumber is required, max 16 characters
 - CountryCode is required, must be 2 alphabetical letters
 - ExpiryDate is required if BankCode is not specified, must be in the format of (MM/YY), 5 character length
 - Referenceld is required, which is the vendor's own unique identifier for the customer.
 - TermsAndConditions is required, Boolean value and always set to 'True'

Example

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \  
--data @JsonFormatData.txt \  
--request POST \  
"https://api.ezypay.com/api/v1/customers"
```

Response

```
200 (OK)  
Content-Type: application/json  
  
{  
  "Account": {  
    "AccountHolderName": "",  
    "AccountLast4Digit": "1111",  
    "AccountNumber": "",  
    "BankCode": "",  
    "CardIssuer": "411111",  
    "CustomerId": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",  
    "ExpiryDate": "12/14",  
    "Id": "66F6BDA2-73BA-4D0E-A7D6-E6F87D97CED7"  
  },  
  "Address1": "Help Street",  
  "Address2": "",  
  "BillingStatus": "Active",  
  "BusinessAccountReference": "60012",  
  "CountryCode": "AU",  
  "DateOfBirth": "1985-05-06",  
  "Email": "john.doe@ezypay.com",  
  "EzypayReferenceNumber": "900000001",  
  "Firstname": "John",  
  "Gender": "M",  
  "Id": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",  
  "MobilePhone": "",  
  "Postcode": "1234",  
  "ReferenceId": "123456789",  
  "State": "NSW",  
  "Suburb": "Chatswood",  
  "Surname": "Doe",  
  "TermsAndConditions": "True",  
  "PaymentPlanId": "B6A57347-C2FE-4CD1-99BC-FAA86FB0D9ED"  
}
```

Create a customer with payment instruction

POST	/v1/customerwithinstruction?{accountHolderName,accountNumber,bankCode,expiryDate},businessAccountReference,firstname,surname,dateOfBirth,email,gender,mobilePhone,referenceId,address1,address2,suburb,state (Equivalent to TownCity for NZ),postalCode,countryCode,termsAndConditions,debitType,recurringAmount,frequency,frequencyType,startDate,recurringDebitEndType,endDate,totalAmountCollected,minimumNumberOfPayment,recurringWithDifferentFirstDebitAmount,recurringDebitFirstDebitDate,recurringDebitAmount,recurringDebitFrequency,recurringDebitFrequencyType,recurringDebitStartDate,recurringDebitDifferentFirstAmountEndType,recurringDebitEndDate,recurringDebitTotalAmountCollected,recurringDebitMinimumNumberOfPayment,onceOffAmount,onceOffStartDate}
------	---

Create a new customer with payment instruction

This is to add a customer with no payment plan but with the flexibility of defining the payment instruction. The customer details to be entered for is as per defined in the previous section. The following section will define the business rules required for to populate the payment instruction details.

- **Mandatory Fields:-**
DebitType
- **Mandatory Fields Subject To DebitType:-**
 - DebitType of "1" (Recurring) - RecurringAmount, Frequency, FrequencyType, StartDate, RecurringDebitEndType
 - DebitType of "2" (Recurring with a different first amount) - RecurringWithDifferentFirstDebitAmount, RecurringDebitFirstDebitDate, RecurringDebitAmount, RecurringDebitFrequency, RecurringDebitFrequencyType, RecurringDebitStartDate, RecurringDebitDifferentFirstAmountEndType
 - DebitType of "3" (once-off) - OnceOffAmount, OnceOffStartDate
- **Mandatory Fields Subject To RecurringDebitEndType:-**
 - RecurringDebitEndType of "2" (Final debit date) – EndDate
 - RecurringDebitEndType of "3" (Total amount to be collected) – TotalAmountCollected
 - RecurringDebitEndType of "4" (Minimum debit to be collected) – MinimumNumberOfPayment
- **Mandatory Fields Subject To RecurringDebitDifferentFirstAmountEndType:-**
 - RecurringDebitDifferentFirstAmountEndType of "2" (Final debit date) – RecurringDebitEndDate
 - RecurringDebitDifferentFirstAmountEndType of "3" (Total amount to be collected) – RecurringDebitTotalAmountCollected
 - RecurringDebitDifferentFirstAmountEndType of "4" (Minimum debit to be collected) – RecurringDebitTotalAmountCollected
- **Validations:-**
 - DebitType must be of, "1" (Recurring), "2" (Recurring with a different first amount) or "3" (once-off)
 - RecurringDebitEndType or RecurringDebitEndType must be of, "1" (Ongoing), "2" (Final debit date), "3" (Total amount to be collected), or "4" (Minimum debit to be collected)
 - FrequencyType or RecurringDebitFrequencyType must be of, "1" (Day), "2" (Week), "4" (Month)
 - RecurringAmount, TotalAmountCollected, RecurringWithDifferentFirstDebitAmount, RecurringDebitAmount, RecurringDebitTotalAmountCollected, OnceOffAmount must be a non-zero positive decimal value.
 - Frequency or RecurringDebitFrequency must be of a non-zero positive numerical value and depends on the frequency type: Day (10-365), Week (1-52), Month (1-12).
 - StartDate, RecurringDebitStartDate, RecurringDebitEndDate, OnceOffStartDate, RecurringDebitFirstDebitDate, RecurringDebitStartDate, RecurringDebitEndDate must be the format "YYYY-MM-DD" and be on a working day.
 - EndDate must be a on working day later than Startdate.
 - RecurringDebitStartDate must be on a working day later than RecurringDebitFirstDebitDate.
 - RecurringDebitEndDate (if mandatory) must be on a working day later than

RecurringDebitStartDate.

- TotalAmountCollected (if mandatory) must be equal or greater than RecurringAmount.
- RecurringDebitTotalAmountCollected (if mandatory) must be equal or greater than the total of RecurringDebitAmount and RecurringWithDifferentFirstDebitAmount.
- RecurringDebitMinimumNumberOfPayment (if mandatory) must be greater than 1.
- MinimumNumberOfPayment (if mandatory) must be greater than 0.

Example

Request

```

Curl --include --header "Authorization: Basic TheAuthorizationToken" \
  --data @JsonFormatData.txt
  --request POST \
  "https://api.ezypay.com/api/v1/customerwithinstruction"

```

Response

200 (OK)

Content-Type: application/json

```

{
  "Account": {
    "AccountHolderName": "",
    "AccountLast4Digit": "1111",
    "AccountNumber": "",
    "BankCode": "",
    "CardIssuer": "411111",
    "CustomerId": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",
    "ExpiryDate": "12/14",
    "Id": "66F6BDA2-73BA-4D0E-A7D6-E6F87D97CED7"
  },
  "Address1": "Help Street",
  "Address2": "",
  "BillingStatus": "Active",
  "BusinessAccountReference": "60012",
  "CountryCode": "AU",
  "DateOfBirth": "1985-05-06",
  "Email": "john.doe@ezypay.com",
  "EzypayReferenceNumber": "900000001",
  "Firstname": "John",
  "Gender": "M",
  "Id": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",
  "MobilePhone": "",
  "Postcode": "1234",
  "ReferenceId": "123456789",
  "State": "NSW",
  "Suburb": "Chatswood",
  "Surname": "Doe",
  "TermsAndConditions": "True",
  "DebitType": 1,
  "RecurringAmount": 2.0,
  "Frequency": 1,
  "FrequencyType": 4,
  "StartDate": "2014-07-03T00:00:00",
  "RecurringDebitEndType": 1,
  "EndDate": "2014-07-04T00:00:00",
  "TotalAmountCollected": 1.0,
  "MinimumNumberOfPayment": 3,
  "RecurringWithDifferentFirstDebitAmount": 1.0,
  "RecurringDebitFirstDebitDate": "2014-07-02T00:00:00",
  "RecurringDebitAmount": 3.0,
  "RecurringDebitFrequency": 1,
  "RecurringDebitFrequencyType": 2,
  "RecurringDebitStartDate": "2014-07-03T00:00:00",
  "RecurringDebitDifferentFirstAmountEndType": 4,
  "RecurringDebitEndDate": "2014-07-04T00:00:00",
  "RecurringDebitTotalAmountCollected": 4.0,
  "RecurringDebitMinimumNumberOfPayment": 2,
  "OnceOffAmount": 3.0,
  "OnceOffStartDate": "2014-07-07T00:00:00"
}

```

Retrieve a single customer

GET /v1/customers/{id}

Retrieve a single customer

Displays a single customer record except the account details

Business Rules:-

- CustomerId is valid and exists in Ezypay's billing system

Example

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \  
--request GET \  
"https://api.ezypay.com/api/v1/customers/{id}"
```

Response

```
200 (OK)  
Content-Type: application/json  
  
{  
  "Account": { },  
  "Address1": "Help Street",  
  "Address2": "",  
  "BillingStatus": "Active",  
  "BusinessAccountReference": "60012",  
  "CountryCode": "AU",  
  "DateOfBirth": "1985-05-06",  
  "Email": "john.doe@ezypay.com",  
  "EzypayReferenceNumber": "900000001",  
  "Firstname": "John",  
  "Gender": "M",  
  "Id": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",  
  "MobilePhone": "",  
  "Postcode": "1234",  
  "ReferenceId": "123456789",  
  "State": "NSW",  
  "Suburb": "Chatswood",  
  "Surname": "Doe",  
  "TermsAndConditions": "True",  
  "PaymentPlanId": "B6A57347-C2FE-4CD1-99BC-FAA86FB0D9ED"  
}
```

Retrieve a single customer via Referenceld

GET `/v1/customers/referenceld/{id}`

Retrieve a single customer via Referenceld

Displays a single customer record via Referenceld, which is the vendor's own unique identifier for the customer. This is an additional option in order for the vendor to retrieve a customer record without referencing the Ezypay unique identifier.

Business Rules:-

- Referenceld exists within Ezypay's billing system

Example

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \
  --request GET \
  "https://api.ezypay.com/api/v1/customers/referenceId/{id}"
```

Response

```
200 (OK)
Content-Type: application/json

{
  "Account": { },
  "Address1": "Help Street",
  "Address2": "",
  "BillingStatus": "Active",
  "BusinessAccountReference": "60012",
  "CountryCode": "AU",
  "DateOfBirth": "1985-05-06",
  "Email": "john.doe@ezypay.com",
  "EzypayReferenceNumber": "900000001",
  "Firstname": "John",
  "Gender": "M",
  "Id": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",
  "MobilePhone": "",
  "Postcode": "1234",
  "ReferenceId": "123456789",
  "State": "NSW",
  "Suburb": "Chatswood",
  "Surname": "Doe",
  "TermsAndConditions": "True",
  "PaymentPlanId": "B6A57347-C2FE-4CD1-99BC-FAA86FB0D9ED"
}
```

Retrieve a list of customers

GET	/v1/customers?{firstname,surname,pageSize,pageNumber,sortColumn,sortDirection}
-----	--

Retrieve a list of customers with the specified filters

Displays a list of customers with the specified filters.

Example

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \
--request GET \
  "https://api.ezypay.com/api/v1/customers?firstname={firstname}&surname={surname} \
&pageSize={pageSize} &pageNumber={pageNumber} &sortColumn={sortColumn} &sortDirection={sortDirection}"
```

Response

200 (OK)

Content-Type: application/json

```
[
  {
    "Account": { },
    "Address1": "Help Street",
    "Address2": "",
    "BillingStatus": "Active",
    "BusinessAccountReference": "60012"
    "CountryCode": "AU",
    "DateOfBirth": "1980-12-06",
    "Email": "john.doe@ezypay.com",
    "EzypayReferenceNumber": "900000001",
    "Firstname": "John",
    "Gender": "M",
    "Id": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",
    "MobilePhone": "",
    "Postcode": "1234",
    "ReferenceId": "123456789",
    "State": "NSW",
    "Suburb": "Chatswood",
    "Surname": "Doe",
    "TermsAndConditions": "True",
    "PaymentPlanId": "B6A57347-C2FE-4CD1-99BC-FAA86FB0D9ED"
  },
  {
    "Account": { },
    "Address1": "Help Street",
    "Address2": "",
    "BillingStatus": "Active",
    "BusinessAccountReference": "60012"
    "CountryCode": "AU",
    "DateOfBirth": "1986-03-09",
    "Email": "john.mayor@ezypay.com",
    "EzypayReferenceNumber": "900000002",
    "Firstname": "John",
    "Gender": "M",
    "Id": "AE13F6D0-1EBC-4395-89F8-C162C02ECB90",
    "MobilePhone": "",
    "Postcode": "1234",
    "ReferenceId": "123456790",
    "State": "NSW",
    "Suburb": "Chatswood",
    "Surname": "Mayor",
    "TermsAndConditions": "True",
    "PaymentPlanId": "B6A57347-C2FE-4CD1-99BC-FAA86FB0D9ED"
  }
]
```

Update an existing customer

PUT `/v1/customers/{id}?firstname,surname,dateOfBirth,email,gender,mobilePhone,referenceId,address1,address2,suburb,state,postalCode}`

Update an existing customer with new details

Update the existing details of a customer

Australia

- **Mandatory Fields:-**
Firstname, Surname, MobilePhone, Email, Address1, City, State, Postcode
- **Business Rules:-**
 - CustomerId is valid and exists in Ezypay's billing system
 - ReferenceId is unique within Ezypay's billing system
- **Validations:-**
 - Firstname is required, max 50 characters
 - Surname is required, max 50 characters
 - Email is required and must be in valid format, max 255 characters
 - Address1 is required, max 50 characters
 - City is required, max 50 characters
 - State is required, max 50 characters
 - Postcode is required, max 4 characters
 - MobilePhone is required and must be in valid format, max 50 characters

New Zealand

- **Mandatory Fields:-**
Firstname, Surname, Email, Address1
- **Business Rules:-**
 - CustomerId is valid and exists in Ezypay's billing system
 - ReferenceId is unique within Ezypay's billing system
- **Validations:-**
 - Firstname is required, max 50 characters
 - Surname is required, max 50 characters
 - Email is required and must be in valid format, max 255 characters
 - Address1 is required, max 50 characters

Malaysia

- **Mandatory Fields:-**
Firstname, Surname, MobilePhone, Email, Address1, City, State, Postcode
- **Business Rules:-**
 - CustomerId is valid and exists in Ezypay's billing system
 - ReferenceId is unique within Ezypay's billing system
- **Validations:-**
 - Firstname is required, max 50 characters
 - Surname is required, max 50 characters
 - Email is required and must be in valid format, max 255 characters
 - Address1 is required, max 50 characters
 - City is required, max 50 characters
 - State is required, max 50 characters
 - Postcode is required, max 10 characters

MobilePhone is required and must be in valid format, max 50 characters

Singapore

- **Mandatory Fields:-**
Firstname, Surname, MobilePhone, Email, Address1 ,Postcode
- **Business Rules:-**
 - CustomerId is valid and exists in Ezypay's billing system
 - ReferenceId is unique within Ezypay's billing system
- **Validations:-**
 - Firstname is required, max 50 characters
 - Surname is required, max 50 characters
 - Email is required and must be in valid format, max 255 characters
 - Address1 is required, max 50 characters
 - Postcode is required, max 10 characters

MobilePhone is required and must be in valid format, max 50 characters

Hong Kong

- **Mandatory Fields:-**
Firstname, Surname, MobilePhone, Email, Address1
- **Business Rules:-**
 - CustomerId is valid and exists in Ezypay's billing system
 - ReferenceId is unique within Ezypay's billing system
- **Validations:-**
 - Firstname is required, max 50 characters
 - Surname is required, max 50 characters
 - Email is required and must be in valid format, max 255 characters
 - Address1 is required, max 50 characters

MobilePhone is required and must be in valid format, max 50 characters

Example

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \
  --request PUT \
  --data @JsonFormatData.txt
  "https://api.ezypay.com/api/v1/customers/{id}"
```

Response

```
200 (OK)
Content-Type: application/json

{
  "Account": { },
  "Address1": "Help Street",
  "Address2": "",
  "BillingStatus": "Active",
  "CountryCode": "AU",
  "DateOfBirth": "1986-03-09",
  "Email": "john.doe@ezypay.com",
  "EzypayReferenceNumber": "900000001",
  "Firstname": "John",
  "Gender": "M",
  "Id": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",
  "MobilePhone": "",
  "Postcode": "1234",
```

```
"ReferenceId": "123456789",  
"State": "NSW",  
"Suburb": "Chatswood",  
"Surname": "Doe",  
"TermsAndConditions": "True"  
}
```

Delete an existing customer

DELETE /v1/customers/{id}

Delete an existing customer

Marks the customer's BillingStatus as "Inactive" with the reason given as "Principal Cancelled". This action will stop all future billing, if any. Reactivation is only possible via Customer Service request.

Business Rules:-

- CustomerId is valid and exists in Ezypay's billing system
- All pending debits from that point onwards will be deleted

Example

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \  
--request DELETE \  
"https://api.ezypay.com/api/v1/customers/{id}"
```

Response

```
204 (OK) NO CONTENT
```

Customer Account Resources

A customer account is the data repository for storing the details of the customer's accounts; it can be either bank or credit card related information. For credit card account, the full credit card information is not retrievable; only the name of the card issuer and the last 4 digits are available.

Create a new customer account

POST

/v1/accounts{?customerId,accountHolderName,accountNumber,bankCode,expiryDate,suffixNumber}

Create a new customer account

Once a new customer account is created, the previous customer account associated to the customer would be replaced.

Australia

- **Mandatory Fields:-**
CustomerId, AccountHolderName, AccountNumber, BankCode (if payment method is bank), ExpiryDate (if payment method is Credit Card)
- **Business Rules:-**
 - CustomerId is valid and exists in Ezypay's billing system
- **Validations:-**
 - AccountHolderName is required, max 100 characters
 - AccountNumber is required, max 16 characters
 - BankCode is required if bank account number is specified, max 6 characters
 - ExpiryDate is required if BankCode is BLANK, must be in the format of (MM/YY), 5 character length

New Zealand

- **Mandatory Fields:-**
CustomerId, AccountHolderName, AccountNumber, [BankCode, suffixNumber] (if payment method is bank), ExpiryDate (if payment method is Credit Card)
- **Business Rules:-**
 - CustomerId is valid and exists in Ezypay's billing system
- **Validations:-**
 - AccountHolderName is required, max 100 characters
 - AccountNumber is required, max 16 characters
 - BankCode is required if Account Number specified is meant for bank account number, max 6 characters (First 2 digits for bank number, last 4 digits for branch number)
 - Suffix number is required if bank account number is specified, max 2 characters
 - ExpiryDate is required if BankCode is BLANK, must be in the format of (MM/YY), 5 character length

Malaysia, Singapore & Hong Kong

- **Mandatory Fields:-**
CustomerId, AccountNumber, ExpiryDate (if payment method is Credit Card)
- **Business Rules:-**
 - CustomerId is valid and exists in Ezypay's billing system
- **Validations:-**
 - AccountNumber is required, max 16 characters
 - ExpiryDate is required if BankCode is BLANK, must be in the format of (MM/YY), 5 character length

Example (For Australia)

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \  
  --request POST \  
  --data @JsonFormatData.txt \  
  "https://api.ezypay.com/api/v1/accounts"
```

Response

```
200 (OK)  
Content-Type: application/json  
  
{  
  "AccountHolderName": "John Doe",  
  "AccountLast4Digit": "0574",  
  "AccountNumber": "",  
  "BankCode": "067012",  
  "CardIssuer": "",  
  "CustomerId": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",  
  "ExpiryDate": "",  
  "Id": "E9F88E77-5E14-4889-BE7E-39FF821E4D5B"  
}
```

Retrieve a customer account via CustomerId

GET /v1/accounts/customerId/{id}

Retrieve a customer account via CustomerId

Retrieve the individual customer account based on CustomerId. If attempt is made to retrieve an invalid CustomerId, an HTTP Status Code 400 will be thrown.

Business Rules:-

CustomerId is valid and exists in Ezypay's billing system

Example (For Australia)

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \  
--request POST \  
"https://api.ezypay.com/api/v1/accounts/customerId/{id}"
```

Response

```
200 (OK)  
Content-Type: application/json  
{  
  "AccountHolderName": "John Doe",  
  "AccountLast4Digit": "0574",  
  "AccountNumber": "",  
  "BankCode": "067012",  
  "CardIssuer": "",  
  "CustomerId": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",  
  "ExpiryDate": "",  
  "Id": "E9F88E77-5E14-4889-BE7E-39FF821E4D5B"  
}
```

Payment Plan Resource

Payment Plans contains a specific set of payment instructions on how to bill your customers. You can only create a payment plan on Ezypay Online Secure Site.

Retrieve a List of Payment Plans

GET /v1/paymentplans/{businessAccountReference}

Retrieve the list of payment plans based on business account reference

The list of payment plans which have been created for that business

Mandatory Fields:-

BusinessAccountReference

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \
--request GET \
"https://api.ezypay.com/api/v1/paymentPlans/{businessAccountReference}"
```

Response

```
200 (OK)
Content-Type: application/json
{
  "Id": "ef770a07-160c-499c-98e2-d09f81fe911a",
  "Name": "Payment Plan One",
  "Status": 1,
  "PaymentPlanTypeId": 1,
  "Amount": 5.0000,
  "DebitFrequencyId": 2,
  "DebitFrequencyMultiplier": 1,
  "PaymentPlanStartTypeId": 2,
  "PaymentPlanStartValue": "1",
  "PaymentPlanEndTypeId": 1,
  "PaymentPlanEndValue": "Ongoing",
  "RecurringAmount": 0.0,
  "RecurringPaymentPlanStartTypeId": 0,
  "RecurringPaymentPlanStartValue": null
},
{
  "Id": "be57d2af-cd36-482e-b2b1-a869294338f0",
  "Name": "Payment Plan Two",
  "Status": 1,
  "PaymentPlanTypeId": 1,
  "Amount": 10.0000,
  "DebitFrequencyId": 2,
  "DebitFrequencyMultiplier": 1,
  "PaymentPlanStartTypeId": 1,
  "PaymentPlanStartValue": "1",
  "PaymentPlanEndTypeId": 2,
  "PaymentPlanEndValue": "500.00",
  "RecurringAmount": 0.0,
  "RecurringPaymentPlanStartTypeId": 0,
  "RecurringPaymentPlanStartValue": null
},
```

Ezypay Daily Transaction File Resource

This is a csv formatted file which records all failed transactions on a specified date. The file is sent to the principal for the principal to follow up with their customers.

Daily Transaction File Information

Field Name	Maximum Length / Type	Description
Business Account Reference	10 (Varchar)	The principal's business reference number assigned by Ezypay
Customer Id	16 (Varchar)	The customer's unique identification generated by Ezypay
Ezypay Reference Number	10 (Varchar)	The customer's unique identification generated by Ezypay
Transaction Date	10 (Date YYYY-MM-DD)	The date the debit was billed
Debit Id	16 (Varchar)	The debit's unique identifier generated by Ezypay
Failed Reason	100 (Varchar)	The reason for debit failure
File Name	50 (Varchar)	The name of the file sent to Ezypay for Billing when the data is invalid (if applicable)

Retrieve Daily Transaction File

GET /v1/transactionFiles/daily/{date}

Retrieve the list of failed transactions reported on the specified date

The list of transactions that was reported by the bank or credit card providers as failed on a particular date.

Mandatory Fields:-

Date (format YYYY-MM-DD)

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \
  --request GET \
  "https://api.ezypay.com/api/v1/transactionFiles/daily/{date}"
```

Response

```
200 (OK)
Content-Type: application/csv
```

Settlement

A settlement is the process of transferring customer payments to the merchant's bank account. Prior to distributing the funds, the merchant's revenue will be subject to deductions such as billing provider fees or partner payments. Depending on the merchant's configurations, the collection period and settlement date for each merchant could be different.

Retrieve the latest settlement transaction

GET `/v1/settlements/{merchantId}-{merchantAccountReference}/latest`

Retrieve the latest settlement transaction

Displays summarized information on the most recent settlement performed for the merchant. The merchantAccountReference is optional but useful when a merchantId has multiple bank accounts.

Mandatory Fields:-

merchantID

Example

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \  
--request GET \  
"https://api.ezypay.com/api/v1/settlements/{merchantId}/latest"
```

Response

```
200 (OK)  
Content-Type: application/json  
  
{  
  "settlementId": 926,  
  "settlementDate": "2016-09-20T00:00:00",  
  "settlementAmount": 8106.39,  
  "totalRevenue": 8115.54,  
  "totalDeduction": 9.15,  
  "collectionFrom": "2016-09-14T00:00:00",  
  "collectionTo": "2016-09-14T00:00:00",  
  "createdOn": "2016-09-20T09:22:47.93"  
}
```

Retrieve list of settlements

GET	/v1/settlements/{merchantId}- {merchantAccountReference}?limit={limit}&offset={offset}&start={start}&end={end}
-----	---

Retrieve a list of settlements

Retrieves list of settlements performed for the merchant. The limit, offset, start and end variables are optional. If not included, the list displays the last 10 settlements by default. The merchantAccountReference is optional also but useful when a merchantId has multiple bank accounts.

Mandatory Fields:-

merchantID

Example

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \
--request GET \
"https://api.ezypay.com/api/v1/settlements/{merchantId}"
```

Response

```
200 (OK)
Content-Type: application/json

{
  "totalReturned":10,
  "totalRecord": 53,
  "data": [
    {
      "settlementId":926,
      "settlementDate": "2016-09-20T00:00:00",
      "settlementAmount":8106.39,
      "totalRevenue":8115.54,
      "totalDeduction":9.15,
      "collectionFrom": "2016-09-14T00:00:00",
      "collectionTo": "2016-09-14T00:00:00",
      "createdOn": "2016-09-20T09:22:47.93"
    },
    ...
    {
      "settlementId":916,
      "settlementDate": "2016-09-07T00:00:00",
      "settlementAmount":23577.44,
      "totalRevenue":23620.77,
      "totalDeduction":43.33,
      "collectionFrom": "2016-09-01T00:00:00",
      "collectionTo": "2016-09-01T00:00:00",
      "createdOn": "2016-09-07T09:22:47.93"
    }
  ]
}
```

Retrieve settlement revenue details

GET `/v1/settlements/{merchantId}-{merchantAccountReference}/revenue/{settlementId}`

Retrieve the revenue details for a specific settlement

Displays a detailed breakdown of the merchant's revenue that was processed in the specified settlement. The returned data can be large as it lists down every single transaction that took place within the settlement's collection period. The merchantAccountReference is optional but useful when a merchantId has multiple bank accounts.

Mandatory Fields:-

merchantId, settlementId

Example

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \  
--request GET \  
"https://api.ezypay.com/api/v1/settlements/{merchantId}/revenue/{settlementId}"
```

Response

```
200 (OK)  
Content-Type: application/json  
  
{  
  "totalReturned": 1,  
  "totalRecord": 1,  
  "data": [  
    {  
      "customerId": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",  
      "customerNo": "123456",  
      "invoiceId": "73af6ae3-244e-4d0d-845d-fa2246582998",  
      "firstName": "John",  
      "surname": "Doe",  
      "paymentDate": "2016-09-14T00:00:00",  
      "amount": 500,  
      "type": "RegularPayment",  
      "createdOn": "2016-09-20T09:22:48.86"  
    }  
  ]  
}
```

Retrieve settlement deduction details

GET /v1/settlements/{merchantId}-{merchantAccountReference}/deduction/{settlementId}

Retrieve the revenue details for a specific settlement

Displays a detailed breakdown of the merchant's deductions (i.e. billing provider fees or partner payments) that were processed in the specified settlement. The returned data can be large as it lists down every single transaction that took place within the settlement's collection period. The merchantAccountReference is optional but useful when a merchantId has multiple bank accounts.

Mandatory Fields:-

merchantId, settlementId

Example

Request

```
Curl --include --header "Authorization: Basic TheAuthorizationToken" \
  --request GET \
  "https://api.ezypay.com/api/v1/settlements/{merchantId}/deduction/{settlementId}"
```

Response

```
200 (OK)
Content-Type: application/json

{
  "totalReturned": 1,
  "totalRecord": 1,
  "data": [
    {
      "customerId": "C77D542C-C5DE-4C88-A300-DD340DB8E89E",
      "customerNo": "123456",
      "invoiceId": "73af6ae3-244e-4d0d-845d-fa2246582998",
      "firstName": "John",
      "surname": "Doe",
      "paymentDate": "2016-09-14T00:00:00",
      "amount": 0.61,
      "type": "PrincipalPaidLoadFee",
      "createdOn": "2016-09-20T09:22:48.86"
    }
  ]
}
```