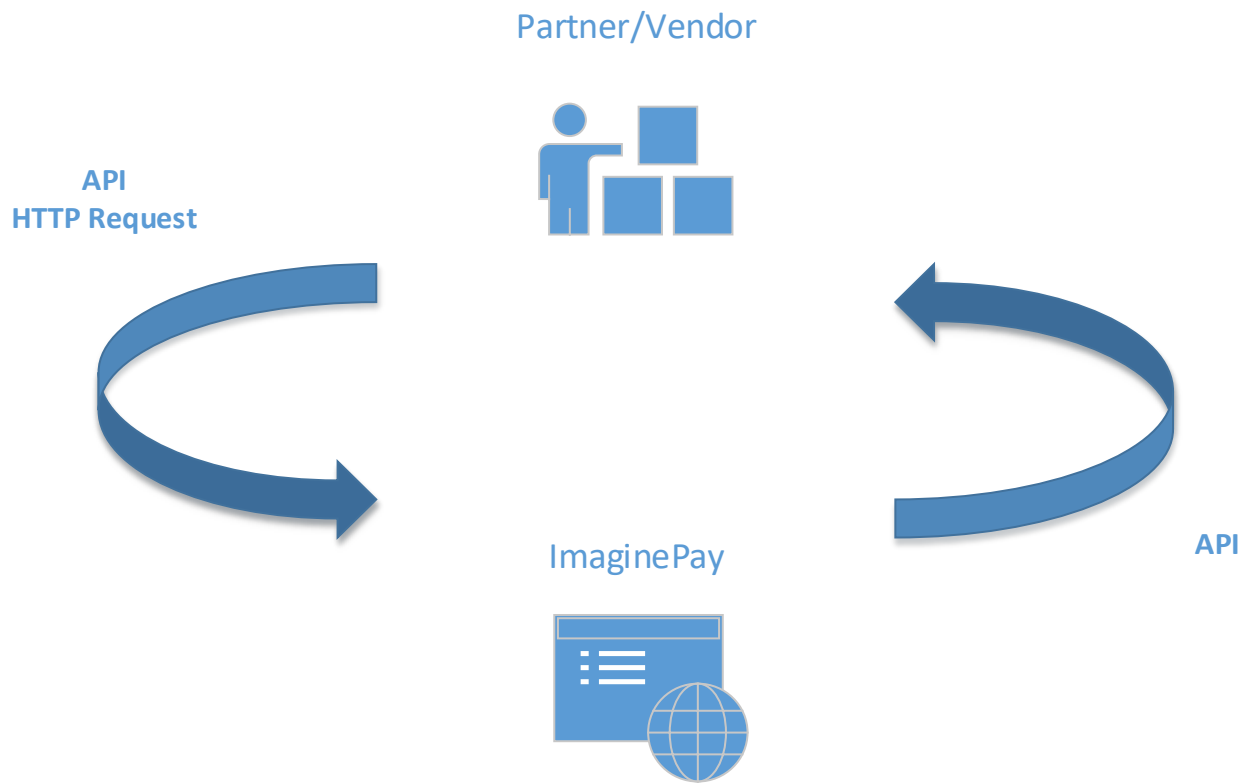


Partner to ImaginePay Integration

Version 19.11

Purpose

To outline the process how a third party can integrate their system with ImaginePay.



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*As of June 1, 2018, all imaginepay.com sites related to this product will no longer support TLS 1.0 or earlier protocols. Please update your calling application to request the site using TLS 1.1 or 1.2 (preferred).

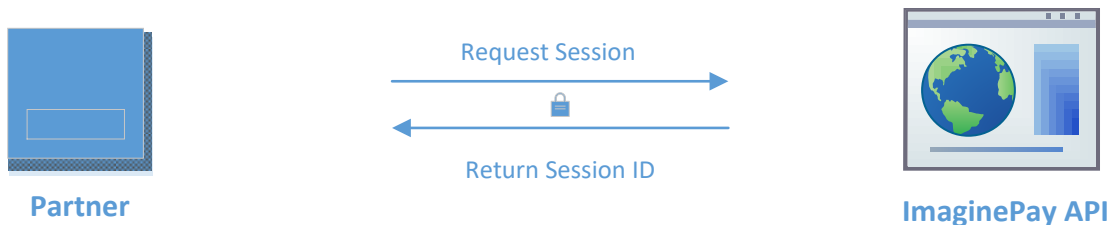
Request Integration Life Cycle

1. Request Session
2. Make Payment Data Request
3. Request Payment Form
4. Payment Complete

Request Session

This is the initial request made to ImaginePay. Its primary purpose is to authenticate the 3rd party trying to make calls to our system. Should the requesting service be authenticated it will issue a session token to be used by the 3rd party system in subsequent requests.

*Sessions Tokens will have an expiration date

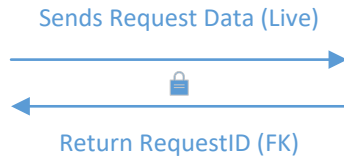


Payment Data Request

This request submits immediate payment request data into the ImaginePay system from the 3rd party system. ImaginePay will perform the minimal amount of data validation for the payment request. The 3rd party system will submit a request using the issued Session Token plus additional data points to further authenticate the request.



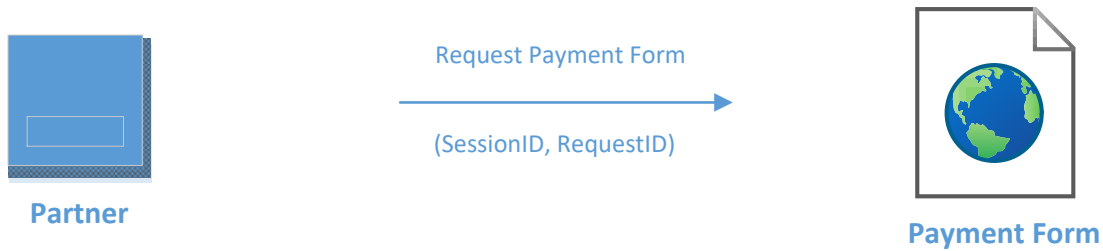
Partner



ImaginePay API

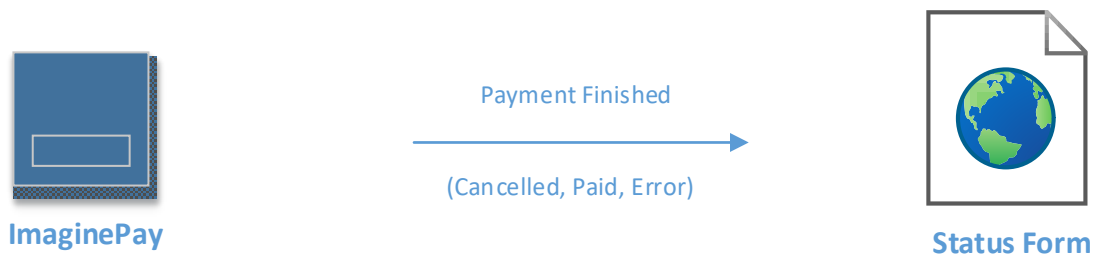
Payment Form

This is payment web form presented to the user from ImaginePay.



Payment Complete

Once the payment process is complete, ImaginePay will redirect the user to either a receipt page or a page indicative of the status of the payment. For example if the payment ended in error or exception, ImaginePay will display an appropriate page for the user explaining the result of the payment.



Related Systems

ImaginePay will have multiple systems working together to offer the greatest amount of configuration and flexibility for our partners. The main website will accept requests from 3rd party partners in order to accomplish certain system level tasks, the main primarily being receiving payment request data from their system to be presented within ImaginePay.

1. Web API
2. FTP

Web API

Outside from the main website ImaginePay will also have a dedicated API for third party integration purposes. This API pipeline will the act as a security gateway from which integrated partners can do various things such as:

1. Issue security session tokens
2. Request payment details
3. Make VOID transaction requests
4. Get payment reports

To access the WebAPI, a separate authentication mechanism will be provided to the vendor outlining how to make an authenticated request to the API. Outside of the integrated payment request life cycle “ad hoc” or singleton requests may be made to this API for supplementary services.

Production URL: <https://api.imaginepay.com>

Development URL: <http://devapi.imaginepay.com>

FTP

ImaginePay can provide a specific per client FTP login for data communication purposes.

FTP is most commonly utilized to transmit batched payment files to and from the client. Even though close integration allows the system to consume data “on the fly”, it is important to consider this as a tool to accomplish any other related tasks between the 3rd party system and ImaginePay.

Suggested Settings

There are three major settings provided to the partner related to uniquely identifying their data set with ImaginePay. These settings include:

1. ClientID
2. Password
3. Dataset

ClientID

This is a global field that is assigned per ImaginePay Client. It is suggested to globalize this as a single setting within your system.

Password

This is a global field that is assigned per ImaginePay Client. It is suggested to globalize this as a single setting within your system.

Dataset

This field identifies a specific dataset within a provider that is setup per Client. The back end payment gateway store, where money is processed, is associated within ImaginePay per dataset. If a single bank account will be used for your entire client setup, a global setting will suffice but should the client want to process money into unique stores, multiple datasets will be issued to your system and it is suggested that you store this at the level of granularity that make sense for how the client wants to process money.

ImaginePay API Security

ImaginePay API uses OAuth2.0 JWT (JSON Web Tokens) to secure the API calls for our partners.

It authenticates each API HTTP request using an Authorization bearer token.

Each generated token is unique per ImaginePay dataset.

For example:

If you are creating payment requests for a particular data set, use the unique token generated for that dataset during the lifetime of interacting with the API for that request.

If you are making an adhoc request to the api not related to creating a payment request or the payment lifecycle, request a session token using the dataset identifier for ImaginePay for the dataset the request you are inspecting.

How do I get authenticated with the API?

1. Request a session token from the API
2. For each API request for the same ImaginePay Dataset, include an Authorization header in each api request.

HTTP Header:

Authorization: Bearer [Token]

Example:

Authorization	Headers (1)	Body	Pre-request script	Tests
✓ Authorization	Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ0eXV1IjoieUE1NUZyMDAwMjdDQ0Y2OSIsImZcy6Imr			
Header	Value			

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Using the Web API

Requesting a Session

A partner is required to request a session to interact with the ImaginePay Web API. The API will issue a unique session token to be used in subsequent requests throughout the integrated payment request life cycle.

This token is an OAuth 2.0 JWT web token issued by the API for use by the partner.

Request: Get Session Token
Request URL: <http://devapi.imaginepay.com/session/token>
HTTP Verb: POST

Request Parameters:
O = Optional, R = Required

<u>Field</u>	<u>Type</u>	<u>Description</u>	<u>Type</u>
username	string	ImaginePay Dataset Identifier	R
password	string	ImaginePay client password (setup by user in system)	R
client_id	string	ImaginePay client Identifier	
grant_type	string	Must be "password"	

Response:

<u>Field</u>	<u>Type</u>	<u>Description</u>
access_token	string	The generated unique API access token
token_type	string	"bearer"
Expires_in	int	Token expires in X seconds

Example:

http://localhost/ImaginePay.API/session/token

POST

Authorization Headers (0) Body Pre-request script Tests

form-data x-www-form-urlencoded raw binary

username	PMMS1200027CCF69
password	ABC123
grant_type	password
client_id	090120156
Key	Value

Body Cookies Headers (9) Tests (0/0) Status 200 OK Time 16 ms

Pretty Raw Preview JSON

```

1 {
2   "access_token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ0eXVwIjoiUE1NUzEyMDAwMjQ0Y0Y2OSIsImZlcyI6ImFwaS5pbWFnaw5lcGF5LmNvbSIsImF1ZCI6ImFwaS5pbWFnaw5lcGF5LmNvbSIsImV4cCI6MTQ1Njc2NTE5NSwibmJmIjoxNDU2NzYxNTk1fQ.k2k8tIbNjdz25vxxqLXT0Em4uKmys3vkNWLcazM6tLY",
3   "token_type": "bearer",
4   "expires_in": 3599
5 }
```

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Submitting Payment Request

A partner uses this method to submit payment request data to the ImaginePay system.

Request: Submit Payment Request Data
Request URL: <http://devapi.imaginepay.com/paymentrequest/new>
HTTP Verb: POST
Header: Include Authorization Header

Request Parameters:

O = Optional, R = Required

<u>Field</u>	<u>Type</u>	<u>Description</u>	<u>Type</u>
ClientID	string	ImaginePay client identifier (setup by user in system)	R
Password	string	ImaginePay client password (setup by user in system)	R
Dataset	string	ImaginePay data set identifier (supplied to partner)	R
RequestID	string	FK, Their ID	R
OnlineProviderID	string	Their Provider ID	R
OnlineAccountNumber	String	Their Account #	R
OnlineTransactionID	String	Their Transaction ID (should be unique for every payment request submitted for the submitted OnlineAccountNumber)	R
PatientDateOfBirth	Datetime	Patient DOB	R
PatientLastName	String	Patient Last name	R
PatientFirstName	String	Patient First name	R
Balance	Decimal	Total Balance possible for the patient to pay.	R
Amount	Decimal	Expected balance for the patient pay. (i.e. budget plan)	O
TransactionDate	Datetime	Date of service or statement Date	R
Note	String	Notes regarding the patient. Suggested to put the insurance information.	O

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ServiceDescription	String	Service Description	0
ReceiptEmail	String	Receipt email address	0
BillingAddress	String	Billing Address	0
BillingAddressLine2	String	Billing Address Line 2	0
BillingAddressCity	String	Billing Address City	0
BillingAddressState	String	Billing Address State	0
BillingAddressZipcode	String	Billing Address Zipcode	0
RemoteValue	String	Any remote value mirrored back to 3rd party	0
MaxAmount	Decimal	The maximum total amount the user can pay for this request	0
PriorBalance	Decimal	The amount to be included as the additional balance.	0
BillingPatientID	Decimal	Patient ID from the billing system.	0
BillingIdentifier	String	Billing System Identifier <i>(Typically, the practice abbreviation)</i>	0
EligibleForBalanceBilling	Bool	Eligibility marker for Balance Billing Requests	0
BalanceBillingAmount	Decimal	The total balance billing amount	0
HoldPaymentExport	Bool	If true, payment will not be exported after being paid until released	0

Response:

<u>Field</u>	<u>Type</u>	<u>Description</u>
RequestID	string	The Value you passed in
Success	BOOL	TRUE => processed and saved
Message	String	Status Message
OnlineRequestID	Decimal	ImaginePay Request ID (Our ID for your request)

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Requesting Payment Status

A partner can use this method to request payment status for a submitted payment request.

Request: Get Payment Status
Request URL: <http://devapi.imaginepay.com/paymentrequest/transaction>
HTTP Verb: GET
Header: Include Authorization Header

Example:

<http://devapi.imaginepay.com/paymentrequest/transaction?requestid=101>

Request Parameters:

O = Optional, R = Required

<u>Field</u>	<u>Type</u>	<u>Description</u>	<u>Type</u>
requestid	Decimal	ImaginePay Request ID	R

Response:

<u>Field</u>	<u>Type</u>	<u>Description</u>
ReferenceNumber	string	ImaginePay Transaction Identifier (used with VOID)
User	String	User submitted when requesting payment form
Amount	Decimal	Total Processed Amount
DateSubmitted	Datetime	Date/Time Submitted
ReceiptEmail	String	Receipt email address for payment
OnlinePaymentRequestID	Decimal	ImaginePay Request ID
OnlineProviderID	String	Mirrored back from original Payment Request
OnlineAccountNumber	String	Mirrored back from original Payment Request
OnlineTransactionID	String	Mirrored back from original Payment Request

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PaySource	String	Comma delimited string describing the types of pay sources in the transaction. Example: Cash, Credit
CreditAmount	Decimal	Transaction amount from Credit Cards
CheckAmount	Decimal	Transaction amount from Check
CashAmount	Decimal	Transaction amount from Cash
IsScheduled	BOOL	True => request is on an active payment plan
ScheduleID	Decimal	ImaginePay payment plan id
ScheduleAmount	Decimal	Total amount scheduled
ScheduleNumberOfPayments	Int	Number of payments for entire plan
ScheduleNextPayment	DateTime	The date/time of the next payment in the plan
SettlementDate	DateTime	Estimated Settlement Date
AutoAdjustedPayment	BOOL	Automatic Adjusted Payment Flag

Requesting to VOID a transaction

A partner can use this method to request to void a pending transaction previously submitted to the system. For CASH transactions, the system just voids the amount no actual money is transitioned.

Request: Void Entire Transaction
Request URL: <http://devapi.imaginepay.com/transaction/void>
HTTP Verb: POST
Header: Include Authorization Header

Request Parameters:

O = Optional, R = Required

<u>Field</u>	<u>Type</u>	<u>Description</u>	<u>Type</u>
TransactionReferenceNumber	String	The ReferenceNumber received from ImaginePay payment status message	R
User	String	User voiding the transaction	O
PaymentType	String	Types of payments to void within the transaction. Leaving it blank will void all payment types. Example: Cash, Credit, Check	

Response:

<u>Field</u>	<u>Type</u>	<u>Description</u>
ReferenceNumber	string	ImaginePay Transaction Identifier (mirrored back)
VoidedAmount	decimal	Amount voided.
TransactionAmount	decimal	Current Transaction Amount. If any of the payments within a transaction have been voided it will be reflected in this amount.
Message	String	General Status/Error Messaging

TransactionMessages	String[]	Array of messages for each transaction, if applicable. This comes in handy if not all of the money was voided in a multiple payment transaction. You can see which transaction failed and how much was not voided.
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Requesting to REFUND a transaction

A partner can use this method to refund a posted transaction previously submitted to the system. For CASH transactions, the system just refunds the amount no actual money is transitioned.

*This request relies on the related transaction to have been previously processed within the system and that the transaction is refundable.

Request: REFUND Entire Transaction
Request URL: <http://devapi.imaginepay.com/transaction/refund>
HTTP Verb: POST
Header: Include Authorization Header

Request Parameters:

O = Optional, R = Required

<u>Field</u>	<u>Type</u>	<u>Description</u>	<u>Type</u>
TransactionReferenceNumber	String	The ReferenceNumber received from ImaginePay payment status message	R
User	String	User refunding the transaction	O
PaymentType	String	Types of payments to refund within the transaction. Leaving it blank will refund all payment types. Example: Cash, Credit, Check	

Response:

<u>Field</u>	<u>Type</u>	<u>Description</u>
ReferenceNumber	string	ImaginePay Transaction Identifier (mirrored back)
RefundedAmount	decimal	Amount processed.
TransactionAmount	decimal	Current Transaction Amount. If any of the payments within a transaction have been refunded it will be reflected in this amount.
Message	String	General Status/Error Messaging

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TransactionMessages	String[]	Array of messages for each transaction, if applicable. This comes in handy if not all of the money was voided in a multiple payment transaction. You can see which transaction failed and how much was not voided.
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Requesting to REVERSE a transaction

A partner can use this method to reverse transaction previously submitted to the system. For CASH transactions, the system just refunds the amount no actual money is transitioned.

This request is designed to automatically perform a VOID or REFUND on a given transaction. It allows the partner to simply get the transaction reversed whether VOID or REFUND logic is automatically determined and used.

Request: REFUND Entire Transaction
Request URL: <http://devapi.imaginepay.com/transaction/reverse>
HTTP Verb: POST
Header: Include Authorization Header

Request Parameters:

O = Optional, R = Required

<u>Field</u>	<u>Type</u>	<u>Description</u>	<u>Type</u>
TransactionReferenceNumber	String	The ReferenceNumber received from ImaginePay payment status message	R
User	String	User reversing the transaction	O
PaymentType	String	Types of payments to reverse within the transaction. Leaving it blank will reverse all payment types. Example: Cash, Credit, Check	

Response:

<u>Field</u>	<u>Type</u>	<u>Description</u>
ReferenceNumber	string	ImaginePay Transaction Identifier (mirrored back)
ReversedAmount	decimal	Amount processed.
TransactionAmount	decimal	Current Transaction Amount. If any of the payments within a transaction have been reversed it will be reflected in this amount.
Message	String	General Status/Error Messaging

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TransactionMessages	String[]	Array of messages for each transaction, if applicable. This comes in handy if not all of the money was voided in a multiple payment transaction. You can see which transaction failed and how much was not voided.
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Requesting Payment Form

A partner will submit the payment data through our live web API platform but they will display our payment form by submitted an HTTP request to ImaginePay in the following manner.

Request: Get Session Type
Request URL: <http://dev.imaginepay.com/partner/MakePayment>
HTTP Verb: GET
Example:

<http://dev.imaginepay.com/partner/MakePayment?dataset=13430abc&requestid=101&user=jSmith>

Request Parameters:

O = Optional, R = Required

<u>Field</u>	<u>Type</u>	<u>Description</u>	<u>Type</u>
dataset	string	ImaginePay data set identifier (supplied to partner)	R
requestid	decimal	ImaginePay Request ID	
user	string	A user identifier for the partner system	

URL:

<https://{site}/partner/MakePayment?dataset=13430abc&requestid=101&user=jSmith>

Request Receipt Access Token

This endpoint allows a means to safely and securely provide a URL to view any transaction receipt that applies to the specific partner integration. A partner will use this token to safely access a related receipt for a given transaction.

Request: REFUND Entire Transaction
Request URL: <http://devapi.imaginepay.com/receipt/grantaccess>
HTTP Verb: POST
Header: Include Authorization Header

Request Parameters:

O = Optional, R = Required

<u>Field</u>	<u>Type</u>	<u>Description</u>	<u>Type</u>
TransactionReferenceNumber	String	The ReferenceNumber received from ImaginePay payment status message	R

Response:

<u>Field</u>	<u>Type</u>	<u>Description</u>
TransactionID	string	ImaginePay Transaction ID for the receipt
ReceiptID	string	Unique identifier for receipt access
AccessURL	string	URL for getting access to the receipt in ImaginePay. Use this url to load the receipt for your system.
Message	String	General Status/Error Messaging

****Make sure you the authentication token you generate for this request uses the same ImaginePay Dataset Identifier that is related to the payment request related to your transaction.**

****The receipt access token will be valid for 24 hrs (subject to change if needed without notice).**

Request to Update Balance/Amount (Live Balance)

A partner uses this method to update statement data in the ImaginePay system. Partners should not use this method to update time of service payment requests.

Request: Update Statement Data
Request URL: <http://devapi.imaginepay.com/balance/update>
HTTP Verb: POST
Header: Include Authorization Header

Request Parameters:

This method allows for batch updates. The below parameters **represent one request object within a collection of requests**.

O = Optional, R = Required

Field	Type	Description	Type
OnlineAccountNumber	String	Their Account #	R
OnlineTransactionID	String	Their Transaction ID (should be unique for every payment request submitted for the submitted OnlineAccountNumber)	R
Balance	Decimal	Total Balance possible for the patient to pay.	R
ExpectedPayment	Decimal	Expected Payment for the patient pay.	R
Description	Datetime	Descriptive text about the updated amounts. <i>This text is presented to the payor</i>	O

****Make sure the authentication token you generate for this request uses the same ImaginePay Dataset Identifier that is related to the payment request statements being updated.**

Response Collection:

<u>Field</u>	<u>Type</u>	<u>Description</u>
balanceUpdateResponses	Array	The collection of data responses

****The statement updates are returned in the same order they were requested**

Individual Responses within the Response Collection:

<u>Field</u>	<u>Type</u>	<u>Description</u>
onlineAccountNumber	String	Their Account # mirrored back from the request
onlineTransactionID	String	Their Transaction ID mirrored back from the request
balance	Decimal	Balance mirrored back from the request
expectedPayment	Decimal	Expected Payment mirrored back from the request
previousBalance	Decimal	Balance in the ImaginePay system prior to the request
previousExpectedPayment	Decimal	Expected Payment in the ImaginePay system prior to the request
description	String	Descriptive text about the updated amounts mirrored back
message	String	Descriptive text about the status of the request
status	String	The status of the update attempt. Current Values: PENDING, PROCESSED, VALID, INVALID, FAILED

Request Payment History

This endpoint allows a way to look up payment history on a given balance or account in the system. The more filters supplied the more focused the search. This endpoint also exposes some of the gateway related responses provided by each payment.

Request: GET Payment History
Request URL: <http://devapi.imaginepay.com/search/paymenthistory>
HTTP Verb: GET
Header: Include Authorization Header

Request Parameters:

O = Optional

<u>Field</u>	<u>Type</u>	<u>Description</u>	<u>Type</u>
TransactionReferenceNumber	String	ImaginePay Transaction Identifier	O
OnlinePaymentRequestID	Decimal	ImaginePay Request Identifier	O
OnlineTransactionID	String	ImaginePay Transaction Identifier	O
OnlineAccountNumber	String	ImaginePay Account Identifier	O

Note: One field must be present or the request will be determined invalid.

Response:

<u>Field</u>	<u>Type</u>	<u>Description</u>
isValidReqeust	Boolean	The request validation flag. Possible Values: true, false
message	String	A Human readable message provided when is request is invalid. Possible Values: <i>A TransactionReferenceNumber, OnlinePaymentRequestID, OnlineTransactionID, or OnlineAccountNumber must be provided</i> <i>A DataSet must be provided in the header token</i>

totalNumberOfTransactions	Decimal	The total number of transactions returned in the transactions collection
totalNumberOfPayments	Decimal	The total number of payments returned for the transactions collection
totalNumberOfGatewayResponses	Decimal	The total number of gateway responses returned for the transactions collection
totalAmountProcessed	Decimal	The total amount of the request. Calculated from all of the payments of this request.
Transactions	Array	A collection of transactions related to the request

Response Continued - transactions Array:

<u>Field</u>	<u>Type</u>	<u>Description</u>
amount	Decimal	The total amount of the transaction. Calculated from all payments collection of this transaction.
transactionReferenceNumber	String	ImaginePay Transaction Identifier
autoAdjustedPayment	Boolean	Automatic Adjusted Payment Flag
payments	Array	A collection of payments related to a transaction

Response Continued – payments Array:

<u>Field</u>	<u>Type</u>	<u>Description</u>
onlineAccountNumber	String	ImaginePay Account Identifier
OnlinePaymentRequestID	Decimal	ImaginePay Request Identifier
OnlineTransactionID	String	ImaginePay Transaction Identifier
transactionPaymentID	Decimal	ImaginePay TransactionPayment Identifier
amount	Decimal	Amount of payment. This amount does not reflect whether the gateway processed successfully.

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paymentType	String	The type of payment. Possible Values: CreditCard, ACH, Cash
status	String	The status of the payment. Possible Values: PROCESSED, VOIDED, FAILED
gateway	String	The Vendor Gateway used to process the payment Possible Values: TSYS, DATAMEDIA, CONVERGE
gatewayResponses	Array	A collection of gateway responses related to the payment.

Response Continued – gatewayResponses Array:

<u>Field</u>	<u>Type</u>	<u>Description</u>
requestType	String	The type of request made to the gateway. Possible Values: PAYMENT, VOID, RETURN
datetime	DateTime	The DateTime of the gateway request.
Response	String	A string representation of the code and message returned by the gateway. The code and message are delimited by a colon. Example Value: A0000: Success

Release Payments for File Export

A partner uses this method to release all transaction payments on hold related to the payment request id in the ImaginePay system.

Request: Release Payments for File Export
Request URL: <http://devapi.imaginepay.com/paymentrequest/releasepayments>
HTTP Verb: POST
Header: Include Authorization Header

Request Parameters:

O = Optional, R = Required

<u>Field</u>	<u>Type</u>	<u>Description</u>	<u>Type</u>
RequestId	String	The Payment Request ID to release transaction payments for	R
OnlineTransactionId	String	Will Update the Payment Request's OnlineTransactionId To This Value	O
OnlineAccountNumber	String	Will Update the Payment Request's OnlineAccountNumber To This Value	O
Note	String	Will Update the Payment Request's Note To This Value	O

Response:

<u>Field</u>	<u>Type</u>	<u>Description</u>
RequestId	Decimal	Request ID
OnlineTransactionId	String	The Payment Request's OnlineTransactionId
OnlineAccountNumber	String	The Payment Request's OnlineAccountNumber
Note	String	The Payment Request's Note
Message	String	A message describing the outcome response
ReleasedTransactionPayments	Array	An array of releasedTransactionPayment Objects
*The fields below contain what is in a releasedTransactionPayment Object		
TransactionPaymentId	Decimal	The Released Transaction Payment ID
PaymentType	String	The Released Transaction Payment's Type
Amount	Decimal	The Released Transaction Payment's Amount

Release Payments for File Export (Batch Request)

A partner uses this method to release all transaction payments on hold related to the payment request id in the ImaginePay system.

Request: Release Payments for File Export
Request URL: <http://devapi.imaginepay.com/provider/releasepayments>
HTTP Verb: POST
Header: Include Authorization Header

Request Parameters:

O = Optional, R = Required

Request Collection:

<u>Field</u>	<u>Type</u>	<u>Description</u>	<u>Type</u>
RequestId	String	The Payment Request ID to release transaction payments for	R
OnlineTransactionId	String	Will Update the Payment Request's OnlineTransactionId To This Value	O
OnlineAccountNumber	String	Will Update the Payment Request's OnlineAccountNumber To This Value	O
Note	String	Will Update the Payment Request's Note To This Value	O

Response Collection:

<u>Field</u>	<u>Type</u>	<u>Description</u>
releaseRequestStatuses	Array	The Collection of data responses
totalReleased	Decimal	Sum of payments that
totalFailed	Decimal	Sum of payments that failed to release

****The statement updates are returned in the same order they were requested**

Individual Responses within the Response Collection:

<u>Field</u>	<u>Type</u>	<u>Description</u>
RequestId	Decimal	Request ID
OnlineTransactionId	String	The Payment Request's OnlineTransactionId
OnlineAccountNumber	String	The Payment Request's OnlineAccountNumber
Note	String	The Payment Request's Note
Message	String	A message describing the outcome response
ReleasedTransactionPayments	Array	An array of releasedTransactionPayment Objects
*The fields below contain what is in a releasedTransactionPayment Object		
TransactionPaymentId	Decimal	The Released Transaction Payment ID
PaymentType	String	The Released Transaction Payment's Type
Amount	Decimal	The Released Transaction Payment's Amount

Tokenize Credit Card

A partner uses this method to create a public credit card token within ImaginePay.

Request: Release Payments for File Export
Request URL: <http://devapi.imaginepay.com/paymentmethod/tokenize>
HTTP Verb: POST
Header: Include Authorization Header

Request Parameters:

O = Optional, R = Required

<u>Field</u>	<u>Type</u>	<u>Description</u>	<u>Type</u>
CardNumber	Decimal	The credit card number to tokenized	R
CardExpiration	DateTime	The datetime value of the card expiration date	R
Description	String	The description that is saved with the card token	O
CardHolderName	String	The card holder name	O
BillingAddress	String	The credit card billing address	O
BillingCity	String	The credit card billing city	O
BillingState	String	The credit card billing state	O
BillingZip	String	The credit card billing postal code	O

Response:

<u>Field</u>	<u>Type</u>	<u>Description</u>
Token	String	The public token
DisplayName	String	The display name of the saved token
status	String	A status of the outcome response
Message	String	A message describing the outcome response

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Balance – Pay via API

A partner uses this method to pay a payment request balance that exists within ImaginePay with an ImaginePay card token OR raw credit card fields.

Request: Pay

Request URL: <http://devapi.imaginepay.com/balance/pay>

HTTP Verb: POST

Header: Include Authorization Header

Request Parameters:

O = Optional, R = Required

<u>Field</u>	<u>Type</u>	<u>Description</u>	<u>Type</u>
PaymentRequestID	Decimal	The Payment Request ID (from ImaginePay)	R
CVVNumber	Decimal	The three-digit code on the back of the Credit Card. Can be used with Token. Can be used with CardNumber and CardExpiration.	O
CardNumber	Decimal	The credit card number to tokenized	O
CardExpiration	DateTime	The datetime value of the card expiration date	O
CardHolderName	String	The card holder name. Used with CardNumber and CardExpiration.	O
BillingAddress	String	The card billing address. Used with CardNumber and CardExpiration.	O
BillingZip	String	The card billing zip. Used with CardNumber and CardExpiration.	O
Token	String	ImaginePay public token	O
RecieptEmail	String	Their Email. If not provided the receipt email will default to the last corresponding payment receipt email.	O
Amount	Decimal	The amount to Process	O

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****One Token must be provided to process successfully. Or, one CardNumber and CardExpiration pair must be provided to process successfully.**

****If the amount is not provided the full balance of the payment request will be process by default.**

Response:

<u>Field</u>	<u>Type</u>	<u>Description</u>
ProcessedAmount	Decimal	The processed amount
TransactionReferenceNumber	String	ImaginePay Transaction Identifier
Status	String	A status of the outcome response
Message	String	A human readable message that if provided when request is invalid or the process unsuccessful
SettlementDate	DateTime	Estimated settlementdate
Descriptor	String	Credit Card Descriptor

**** A Descriptor is only provided if paying by token. Paying by CardNumber and CardExpiration does not trigger token creation.**