



# API Manual

# Step 1

Processing phase (POST & GET)

**The following parameters of data that should submitted to:**

Test environment: <http://test.gate-e.com/api/process.php>

Live environment: <https://www.gate-e.com/api/process.php>

# Gateway Fields

Name	Field Name	Required	Description
Merchant ID (Unique ID)	unique_id	Required	The unique ID of the company, you can get it from API Settings.
Original amount	amount_original	Required	Set the required amount of the payment.
Tax rate	tax_rate	Optional	Set the tax rate for the payment
Tax amount	tax_amount	Optional	Set the tax amount for the payment. <ul style="list-style-type: none"> <li>- Take higher priority when provided with tax_rate, tax_rate will be ignored if both provided.</li> </ul>
Tax countries	tax_country_include	Optional	Set tax applicable countries. <ul style="list-style-type: none"> <li>- Country codes separated by comma “,”</li> <li>- Default is “all”, to apply to all customers.</li> </ul>
Tax excluded countries	tax_country_exclude	Optional	Set which countries are to be excluded from Tax <ul style="list-style-type: none"> <li>- Country codes separated by comma “,”</li> </ul>
Currency code	currency_code	Optional	Currency code in which the payment will be presented and converted. <ul style="list-style-type: none"> <li>- Note that the final payment will be in your Gate-E account currency.</li> <li>- Required with currency rate</li> </ul>
Currency rate	currency_rate	Optional	Currency rate to convert to Gate-E account currency. <ul style="list-style-type: none"> <li>- Note that the final payment amount will be converted using this currency rate instead of Gate-E standard rates.</li> <li>- Required with currency code.</li> </ul>
Customer tax registration ID	customer_tax_tin	Optional	Set the customer tax registration number.
Description	description	Optional	Set your custom description of the payment
API Type	api_type	Required	If there is no value, the system will select default API type:

			<ol style="list-style-type: none"> <li>1. Use API through customer registration <b>(value: 1- default)</b></li> <li>2. Use API without customer registration <b>(value: 2)</b></li> <li>3. Use API through customer registration &amp; customer information only <b>(value: 3)</b></li> </ol>
Action	action	Optional	<p>How to process payment data:</p> <ol style="list-style-type: none"> <li>1. Process payment data normally <b>(value: normal - default)</b></li> <li>2. Process payment data in background <b>(value: background)</b>. Then, the system will return <b>(payment_id, payment_url, &amp; status)</b> in JSON format; in this case the other party should redirect the user to payment URL. Otherwise, the system will return error code and error message (code &amp; error) in JSON format</li> </ol>
Required fields	required_fields	Optional	<p>When you activate “<b>API type 3</b>”, you can identify required fields that the customer should fill them before precede payment. Fields should be separated by comma “,”.</p> <p>Accepted fields:</p> <ol style="list-style-type: none"> <li>1. Customer email <b>[email]</b></li> <li>2. Customer name <b>[name]</b></li> <li>3. Customer mobile <b>[mobile]</b></li> <li>4. Customer gender <b>[gender]</b></li> <li>5. Customer address <b>[address]</b></li> </ol>
Redirect to gateway	redirect_to_gateway	Optional	You can submit payment gateway id and the system will redirect the user to the selected payment gateway
Callback URL	callback_url	Optional	The system will post the result and then return to this URL.
Show Callback Page	show_callback	Optional	<ol style="list-style-type: none"> <li>1. The API will show Gate-E Callback page <b>(value: 1)</b></li> <li>2. The API will not show Gate-E Callback page <b>(value: 0)</b></li> </ol>
Payment Gateways	payment_gateways_	Optional	When the user enters payment gateways the

ID	id		system will be limited to these gateways, and the gateways it should be separated by comma “,”. If no payment gateways the system will allow the customer to pay with any active payment gateways in API Setting.
Optional Fields	<ol style="list-style-type: none"> <li>1. field1</li> <li>2. field2</li> <li>3. field3</li> <li>4. field4</li> <li>5. field5</li> </ol>	Optional	You can enter any information you need, and system will return it back in callback. It is required calculated hash.
Extra field	extra_field		You can enter any information you need, and system will return it back in callback.
Customer Name	name	Optional	Your customer name that he will pay the amount, this information automatically will post it in registration form
Customer Email	email	Optional	Your customer email will automatically post it in registration form.
Customer Mobile	mobile	Optional	Your customer mobile will automatically post it in registration form.
Customer Gender	gender	Optional	Your customer gender (M/F) will automatically post it in registration form.
Customer Country	country	Optional	Your customer country will automatically post it in registration form.
Customer City	city	Optional	Your customer city will automatically post it in registration form.
Customer Address	address	Optional	Your customer address will automatically post it in registration form.
Customer Note	note	Optional	The customer can write note for company and this field not calculated in hash
Send Customer Address	send_address	Optional	This option will post your customer address automatically in the generated invoice after successful payment. To activate this option, you should post “YES”.
Locale	locale	Optional	Set your custom language of the payment. Accepted values: <ol style="list-style-type: none"> <li>1. en (English)</li> <li>2. ar (Arabic)</li> </ol>

Calculated Hash	calculated_hash	Optional	The calculated hash will be calculated according to posted data of the above list, and you need to put your API hash also. The payment will mention as validated if you use this feature otherwise no.
-----------------	-----------------	----------	--

# Step 2

## Processing phase

Step 2.1: Login / Register with payment summary

Step 2.2: Payment gateways selection

Step 2.3: Payment gateways processing

## Step 2.1

### Login / Register with payment summary

CAMPANY LOGO   CAMPANY		Gaatee LOGO
<b><u>Payment summary:</u></b>		
	<b>Description</b> API Description	<b>Amount</b> API Amount BD
		<b><u>Register</u>   <u>Login</u></b>
<b><u>Register</u></b>		
<input type="text" value="Name"/>		
<input type="text" value="Email"/>		
<input type="text" value="Password"/>		
<input type="text" value="Mobile"/>		
Gender	M	F
<input type="button" value="Register"/>		

When the customer does not have an account and using API type "1", the posted customer information will be showing in this form to complete the information then customer can register.

CAMPANY LOGO   CAMPANY		Gaatee LOGO
<b><u>Payment summary:</u></b>		
	<b>Description</b> API Description	<b>Amount</b> API Amount BD
		<b><u>Register</u>   <u>Login</u></b>
<b><u>Login</u></b>		
<input type="text" value="Email"/>		
<input type="text" value="Password"/>		
<input type="button" value="Login"/>		

When the customer have an account and using API type "1", when he can login.



## | Step 2.2

### Payment gateways selection

CAMPANY LOGO   CAMPANY		Gaatee LOGO	
<b>Payment summary:</b>			
<b>Description</b>		<b>Amount</b>	
API Description		API Amount BD	
			<b>Payment Methods</b>
<u>Pay now with:</u>			
Visa & Master Card	PayPal	Benefit	Knet

Then the customer must select one of active payment gateways.

## | Step 2.3

### Payment gateways processing

In this step the customer need to complete the payment in the payment gateway. Then, the payment gateway will response to Gate-E with the result of the payment. Gate-E will process and verify the response for each type of gateway. After that, the system will post the response to the callback URL.

Gate-E

# Step 3

## Gate-E Callback

Step 3.1: Gate-E Callback (GET)

Step 3.2: Get Gate-E Payment (POST & GET)

Step 3.3: Update Gate-E Payment (POST & GET)

Step 3.4: Summary

## Step 3.1

Gate-E Callback (GET)

The system will post these data in callback URL:

Name	Field Name	Description
Amount	amount	The amount in BHD currency.
Unique ID	unique_id	The unique ID of the company, you can get it from API Settings.
Gateway ID	gateway_user_id	Your gateway ID that the customer paid with
Optional Fields	<ol style="list-style-type: none"><li>field1</li><li>field2</li><li>field3</li><li>field4</li><li>field5</li></ol>	Information that you entered in processing step, Gate-E will return it back.
Extra field	extra_field	Information that you entered in processing step, Gate-E will return it back.
Payment ID	payment_id	The payment ID generated by Gate-E, it is for reviewing the payment.
Note	note	The customer notes for the company and this field is not calculated in hash.
Status	status	The payment status: <ol style="list-style-type: none"><li>completed: means the customer complete the payment successfully.</li><li>uncompleted: means the customer not complete the payment successfully</li></ol>
Invoice ID	invoice_id	Gate-E will create an invoice with amount and description automatically, and this ID is for that invoice. You can review the invoice in Gate-e
Transaction ID	transaction_id	Gate-E will create a transaction for invoice that generated automatically, and this ID is for that transaction. You can review the transaction in Gate-E.
Calculated Hash	calculated_hash	The hash will be calculated according to response data from the list above and your hash.

Validated	validated	Payment has been validated YES / NO in processing phase.
-----------	-----------	--

## Step 3.2

Get Gate-E Payment (POST & GET)

The following parameters of data that should submitted to:

1. Test environment: <http://test.gate-e.com/api/getpayment.php>
2. Live environment: <https://www.gate-e.com/api/getpayment.php>

Name	Field Name	Required	Description
Unique ID	unique_id	Required	Unique ID of the company, you can get it from API Setting.
Hash	hash	Required	Hash of the company, you can get it from API Setting
Payment ID	payment_id	Optional	Payment ID that return to callback URL from gate-E.

### Returns:

Payment information that has been encoded into JSON format.

## | Step 3.3

Update Gate-E Payment (POST & GET)

Name	Field Name	Required	Description
Unique ID	unique_id	Required	Unique ID of the company, you can get it from API Setting.
Hash	hash	Required	Hash of the company, you can get
Payment ID	payment_id	Required	Payment ID that return to callback URL from Gate-E.
Processed Status	processed	Required	Status of the payment that has been or not. (accepted values: 0 / 1)

### Returns:

Status of updating payment.

## | Step 3.4

### Summary

The user can verify and validate the callback data by calculating the hash from posted data and compare with calculated hash that returns with payment. In addition, the user can get payment from Gate-E by providing (Unique ID, Hash, & Payment ID) and the system will return payment information that has been encoded into JSON format. Then, the user can decode the payment using decode JSON function. He also can update payment by providing (Unique ID, Hash, Payment ID, & Processed status) for payment processing once only.

Calculated Hash	calculated_hash	Optional	The calculated hash will be calculated according to posted data of the above list, and you need to put your API hash also. The payment will mention as validated if you use this feature otherwise no.
-----------------	-----------------	----------	--

# Save Card feature

Step 1: Make a Payment

Step 2: Get Saved Card Token

Step 3: Use Saved Card to Pay

\* Some features depend on bank support

## | Step 1

### Make a Payment

To save customer's payment card, the customer should go through a normal payment process, and choose "Save Card" option at the step of providing the card information. Then, Gate-E will generate a payment token for the card and return it with the payment information (Step 2).

## | Step 2

### Get Saved Card Token

To get the generated token, Step 3.2 (Get Gate-E Payment) should be performed. Gate-E will return a card token, which represents the customer's saved card. The token should be used in the coming payments when the customer chooses to pay with the saved card.

## | Step 3

### Pay With Saved Card

In the coming payment processes, when a customer chooses to pay with a saved card, the following field [token\_payment] should be submitted along with the other payment-related fields (refer to Step 1 – Processing phase).

Name	Field Name	Required	Description
Token Payment	token_payment	Optional	Value should be "yes" to use customer's saved card, and "no" to process the payment without saved card.



The following parameters should be submitted to the link returned in the payment process response:

Test environment: [https://test.gate-e.com/api/payment\\_token.php](https://test.gate-e.com/api/payment_token.php)

Live environment: [https://www.gate-e.com/api/payment\\_token.php](https://www.gate-e.com/api/payment_token.php)

<b>Name</b>	<b>Field Name</b>	<b>Required</b>	<b>Description</b>
Payment ID	payment_id	Required	Payment ID returned from the payment process
Token	token_code	Required	Token returned by Gate-E (represents the customer's saved card)
Security Code	security_code	Optional	CVV