

Invoice API Documentation



Table of Contents

1. Scenario.....	2
2. Invoice APIS end point.....	2
2.1. Create Invoice	4
2.2. Update Invoice.....	5
2.3 Get Recurring status	5
2.4 Update Recurring Request.....	6
2.5. Create Recurring Request.....	7
2.6. Get Invoice Status.....	8

1. Scenarios

Scenario 1:

Merchant wants to create standalone invoice that needs to be paid in specific due date for which merchant would be utilizing **1.1 Create Invoice API** by passing customer email, total amount, invoice reference id , billing month, billing category, due in days, expires in days and description. Once the respective API is invoked, payment link would be fetched from response that would be sent to customer as well for payment of respective invoice.

Scenario 2:

Merchant wants to create recurring cycle for customers who he/she wants to sent invoices weekly, monthly or annually for this **1.5 Create Recurring Invoice** will be invoked that would take parameters like customer_email, total_amount, invoice_ref_id, bill_category, due_in_days, expires_in_days, description, cycle, start_in_days and total_invoices. Once the invoice is invoked, recurring invoice would be activated and would be sent to respective customers on the start of the cycle.

2. Invoice APIS end point

This section contains the details of all APIs provided by Payfast. Before proceeding with utilizing invoices, you first need to generate username and password from invoice portal. Following are the steps to generate username and password for invoice API as follows:

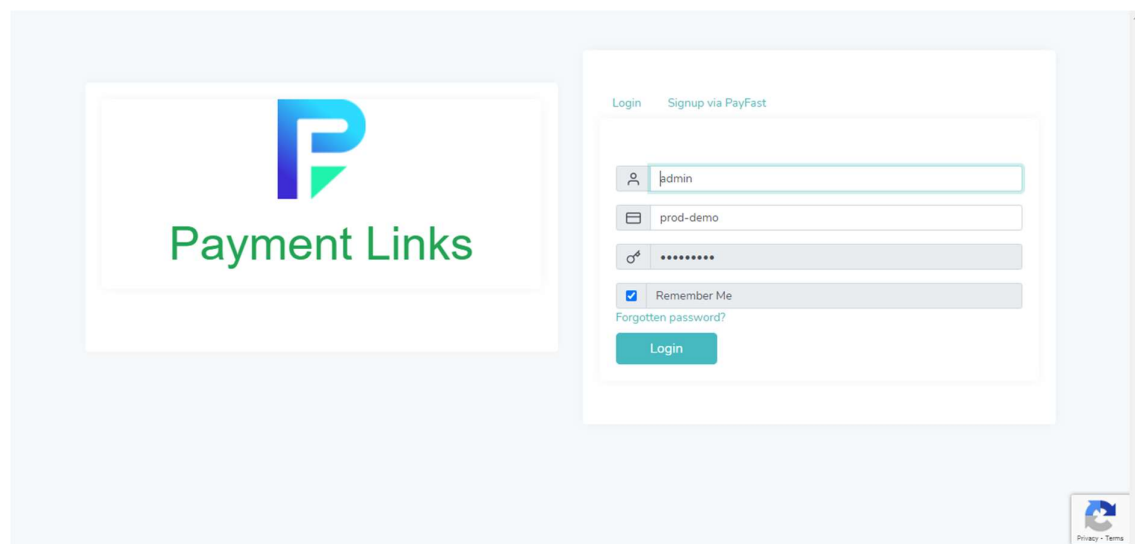
Step 1:

Go to <https://invoice.apps.net.pk:7088/portal/admin/common/login>

Username: <<request on demand>>

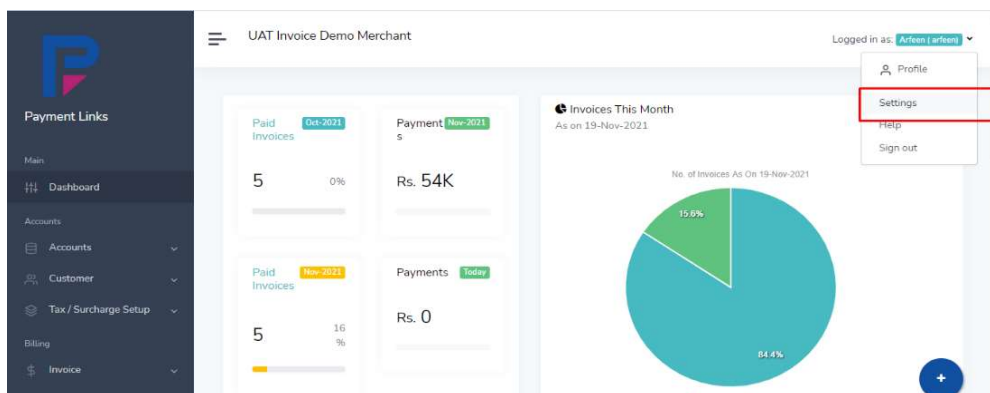
Merchant Code: <<request on demand>>

Password: <<request on demand>>



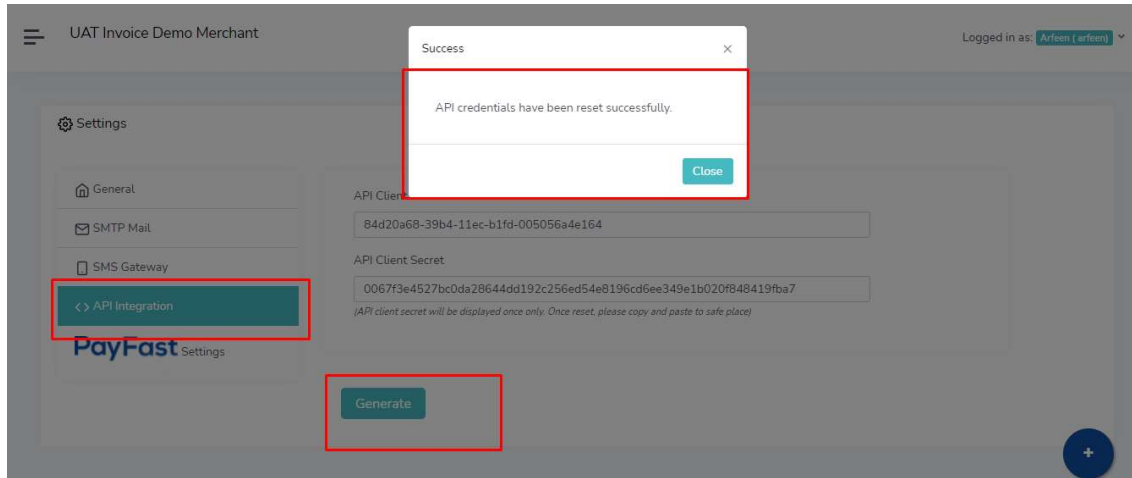
Step 2:

After login, go to Settings



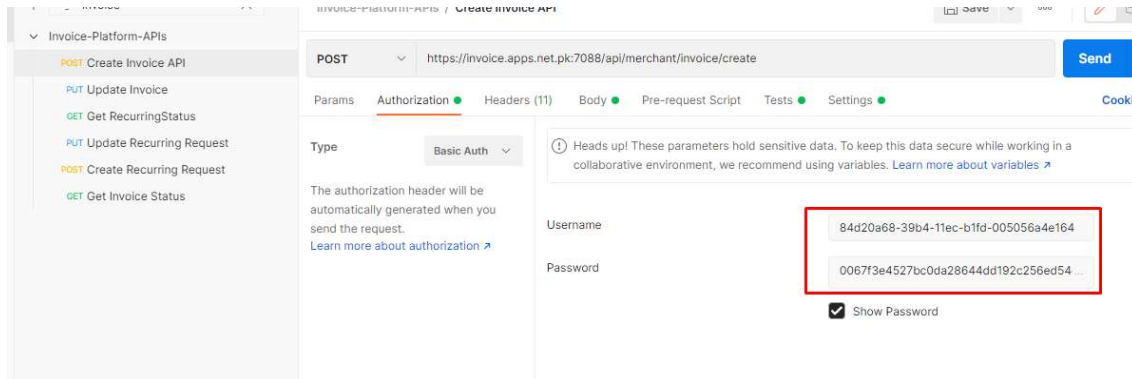
Step 3

Click on API Integration and then click on Generate button to get API Client ID and API Client Secret.



Step 4

Use the same API client ID and API client secret on respective API end points under authorization section as this is pre requisite before proceeding with invoking API end points



1.1. Create Invoice

Following API will return payment link that upon navigation would navigate the customer/user to payment gateway page from where customer would be able to pay via account, union pay and wallet.

Parameter list

Parameter	Optional/mandatory	Type
customer_email	mandatory	email
total_amount	mandatory	number
invoice_ref_id	mandatory	string
billing_month	mandatory	Year-month date format
Billing category	mandatory	String (value would be bill or challan only)
due in days	mandatory	Number
expires in days	mandatory	Number
description	mandatory	string

End Point:

URL	https://invoice.apps.net.pk:7088/api/merchant/invoice/create
Method	POST
Params Type	Raw json
Parameters	<pre>{ "customer_email": "<< customer_email >>", "total_amount": "total_amount", "invoice_ref_id": "<<invoice reference id>>", "billing_month": "<<YYYY-MM>>", "bill_category": "<< bill_category >>", "due_in_days": << due_in_days>>, "expires_in_days": << expires_in_days>>, "description": "<<description>>" }</pre>
Response Type	JSON
Response	<pre>{ "invoice_key": "<<invoice_key>>", "invoice_number": "<<invoice_number>>", "invoice_id": <<invoice_id>>, "invoice_ref_id": "<<invoice_ref_id>>", "payment_link": "<< payment_link >>", "due_date": "<<due_date>>", "expiry_date": "<<expiry_date>>" }</pre>

In the above response, invoice key is the reference key of invoice, invoice number is the number for identification of invoice, invoice id is the id for the reference of the invoice , invoice_ref_id is the custom

reference of invoice created by merchant, payment link is the link that would sent to customer for payment of invoice.

1.2. Update Invoice

This API end point would be used to update invoice by using invoice number as a point of reference for updating expiry and amount

Parameter list

Parameter	Optional/mandatory	Type
invoice_number	optional	number
expires_in_days	optional	number
total_amount	optional	number

API End Point:

URL	https://invoice.apps.net.pk:7088/api/merchant/invoice/update
Method	POST
Params Type	Raw json
Parameters	<pre>{ "invoice_number": "<< invoice_number>>", "expires_in_days": "<< expires_in_days>>", "total_amount": "<< total_amount >>" }</pre>
Response Type	JSON
Response	<pre>{ "code": "00", "message": "Success", "data": null }</pre>

1.3. Get Recurring Status

This API end point would be used get the current status of recurring invoice. You will get recurring id from 1.5 Create Recurring Request API end point.

URL	https://invoice.apps.net.pk:7088/api/merchant/recurring/?recurring_id={{recurring_id}}
Method	POST
Params Type	Raw json
Response Type	JSON
Response	{

```
"recurring_id": <<recurring_id>>,
"recurring_key": "<<recurring key>>",
"invoice_ref_id": "<<invoice reference id>>",
"status": <<status>>,
"total_amount": << total_amount>>,
"customer_email": "<< customer_email >>",
"customer_mobile": "<< customer_mobile >>",
"total_invoices": << total_invoices>>,
"cycle": "<< cycle >>",
"invoices": [
  {
    "status": "<<status>>",
    "payment_link": "<< payment_link >>",
    "date_due": "<<due_date>>",
    "date_issued": "<< date_issued >>",
    "expiry_date": "<< expiry_date >>",
    "consumer_number": "<<consumer_number>>",
    "total": << total amount>>,
    "status_id": <<status_id>>,
    "invoice_link": "<<invoice_link>>"
  }
]
```

In the above response, recurring id is the id of recurring invoice , recurring key is the reference key of recurring invoice, invoice ref id is the id for the reference created by merchant, status would be active/inactive,cycle would represent weekly/monthly/quarterly/semi_annually/annually. If invoices have been dispatched then under invoices array, status would be active/inactive/paid/expired, payment link would be the link sent to customer for payment of invoice, status id would be the id of the status (active/inactive/expired/paid), invoice link would be the reference key used in payment link.

1.4. Update Recurring Request

This API will allow merchant to update recurring request. You will get recurring id from 1.5 Create Recurring Request API end point.

Parameter List:

Parameter	Optional/mandatory	Type
recurring_id	mandatory	number
expires_in_days	mandatory	number
total_amount	mandatory	number
start_in_days	Mandatory	number
status	mandatory	Bool (true/false)

API End Point:

URL	https://invoice.apps.net.pk:7088/api/merchant/recurring/up date
Method	POST
Params Type	Raw json
parameters	<pre>{ "recurring_id": "<<recurring_id>>", "expires_in_days": "<< expires_in_days >>", "total_amount": << total_amount >>, "start_in_days": << start_in_days>>, "status": <<status>> }</pre>
Response Type	JSON
Response	<pre>{ "code": "00", "message": "Success", "data": null }</pre>

1.5. Create Recurring Request

This API will allow merchant to create recurring payment request

Parameter List:

Parameter	Optional/mandatory	Type
customer_email	mandatory	Email
total_amount	mandatory	Number
invoice_ref_id	mandatory	String
bill_category	Mandatory	String (value can be bill/challan)
due_in_days	mandatory	Number
expires_in_days	mandatory	Number
description	mandatory	String
cycle	mandatory	String (Values can be weekly, monthly, quaterly, semi_annually, annually)
start_in_days	mandatory	Number
total_invoices	mandatory	number

API End Point

URL	https://invoice.apps.net.pk:7088/api/merchant/recurring/create
Method	POST
Param Type	Raw json
Parameters	<pre>{ "customer_email": "<<email>>", "total_amount": "<<total_amount>>", "invoice_ref_id": "<<invoice_ref_id>>", }</pre>

	<pre> "bill_category": "<<bill_category>>", "due_in_days": "<<due_in_days>>", "expires_in_days": "<<expires_in_days>>", "description": "<<description>>", "cycle": "<<weekly>>", "start_in_days": "<<start_in_days>>", "total_invoices": "<<total_invoices>>" } </pre>
Response Type	JSON
Response	<pre> { "recurring_key": "<<recurring_key>>", "recurring_id": "<<recurring_id>>", "cycle": "<<cycle>>", "invoice_ref_id": "<<invoice_ref_id>>", "total_invoices": "<<total_invoices>>", "first_cycle": "<<first_cycle_date>>", "total_amount": "<<total_amount>>" } </pre>

In the above response, recurring key is the identification key for reference of recurring invoice, recurring id is the id of recurring invoice, cycle represents state of the recurring like weekly/monthly/annually. Invoice ref id is the recurring invoice custom reference id created by merchant, total invoices would be number of invoices to be dispatched, first cycle would represent the date in which recurring invoices would be dispatched to relevant customer(s) and total amount is the amount of recurring invoice.

1.6. Get Invoice Status

This API will fetch invoice status by passing invoice number. Invoice number is fetched from 1.1 Create Invoice

URL	https://invoice.apps.net.pk:7088/api/merchant/invoice?invoice_number={{invoice number}}
Method	GET
Response Type	JSON
Response	<pre> { "invoice_number": "<<invoice_number>>", "invoice_id": "<<invoice_id>>", "invoice_ref_id": "<<invoice_ref_id>>", "status": "<<status>>", "total_amount": "<<total_amount>>", "due_date": "<<due_date>>", "expiry_date": "<<expiry_date>>", "customer_email": "<<customer_email>>", "customer_mobile": "<<customer_mobile>>", "payment_link": "<<payment_link>>", "last_payment_date": "" } </pre>

In the above response, invoice number would be the invoice number of the customer that is dispatched, invoice id is unique id of invoice, invoice_ref_id is reference id of invoice for identification created by merchant, status can be either Active/inactive/paid/Expired, total amount is the amount of which invoice was created, due date and expiry date are respective dates, payment link is the complete web url that would be used for sending customer for payment of invoice via IPG web check out and the last payment date would be the date in which invoice was last paid.