

VERSION 2.00

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SHIPPING REST API INTEGRATIONDOCUMENT

PREPARED BY: YASEER P KHADAR

CHANGE HISTORY

Document Version	Service Version	Date	Owner	Description
1.0	1.0	DEC 12, 2017	QATAR POST	First Draft
1.0	1.2	MAY 3, 2018	QATAR POST	updated
2.0	2.0	March 24, 2020	QATAR POST	Updated

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1. Description.

This document is designed to help developers and Qatar Post Customers in fully understanding and integrating our API for a seamless and easy deployment.

The API are listed along with their required parameters if any, and their example requests and responses below, for easy understanding.

Please Note that in order to use the API, you will need to get user name and password from Qatar Post IT. If you haven't received it yet please connect to your Qatar Post Account Manager.

This API can be used to integrate with any Business Partner's system / e-commerce site for pushing order pick-up, delivery and track shipment.

1.1 Get User Authentication

User Authentication

The authentication token is the authorization that you need to pass in order to access Qatar Post Postal System. This authorization helps us to validate that you are a valid Qatar Post Business Client.

Use this API to validate your API user and obtain the authentication token.

Get User Authentication Token

Pass your API user 'Username' and 'Password' as the parameters in the request body to get back user details and the authentication token as response. This token is to be used as the authentication parameter for the further access.

Note: The token is valid for 15mins, post which you will have to regenerate the token.

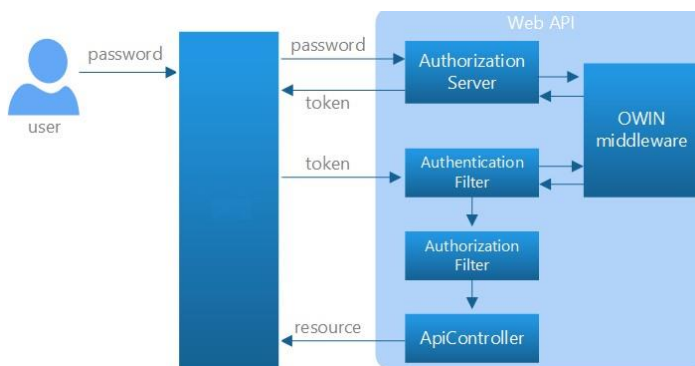


Figure 1: Token based authentication

Request Url

POST: <http://apps.qpost.com.qa/shipmentapi/get/token>

Header

POST: <http://apps.qpost.com.qa/shipmentapi/get/token>

Content-type: application/json

Authorization: Basic: <username>: <password>

Note: Username and password has to be base64 encoded.

Response

Get the token in response header of the format xxxx-xxxx-xxxx-xxxx

If invalid credentials are provided HTTP STATUS 401 Unauthorized will be returned.

2. Get Partner token

Pass your API user 'Username' as the parameters in the request body to get back user details and the authentication token as response. This token is to be used as the authentication parameter for the further access of the other API's.

Copy this token and use it for the further call of the API's.

Your API keys carry many privileges, so be sure to keep them secure! Do not share your secret token in publicly accessible areas such as GitHub, client-side code, and so forth.

Request Url

GET: <http://apps.qpost.com.qa/ShipmentAPI/partner/authentication/get/authcode/{username}>

Header

GET: <http://apps.qpost.com.qa/ShipmentAPI/partner/authentication/get/authcode/{username}>

Content-type: application/json

Token: xxxx-xxxx-xxxx-xxxx (API Token)

Response

Get the partner token in the format: xxxx-xxxx-xxxx-xxxx

```
{
  "errors": [],
  "data": "jy670rq3-8kX6-nR39-w2P4-isUx21ufN9ir",
  "isSuccessful": true
}
```

3. Request to create the partner order

Using these API, you can create new orders in your account.

Header

POST: <http://apps.qpost.com.qa/ShipmentAPI/partner/order/create> HTTP/1.1

Content-type: application/json

Token: <API TOKEN>

Partner-Token: <PARTNER TOKEN>

Body

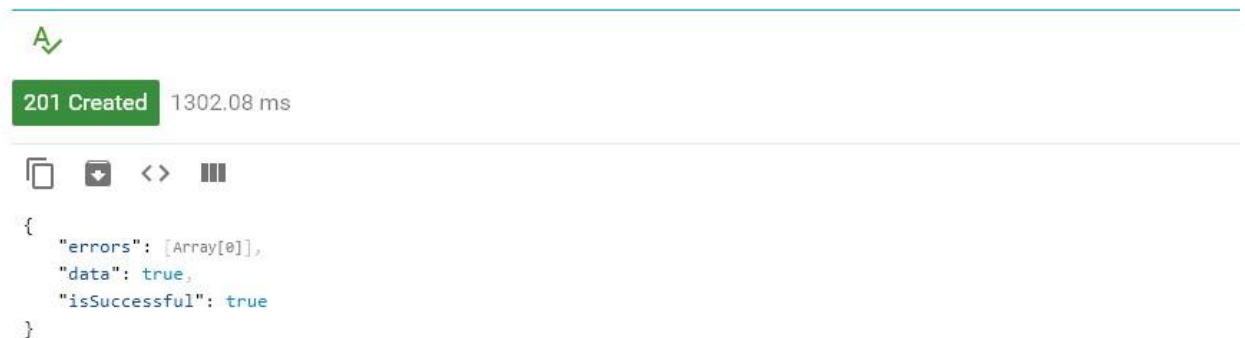
```
[
  {
    "orderID": "1238967435",
    "subOrderID": "567885",
    "trackingNumber": "QPMXXXXXXXXXX",
    "customerName": "fahad",
    "customerMobile": "987654321",
    "MerchantName": "Dynax",
    "MerchantStore": "Dynax Store",
    "MerchantPhone": "33015634",
    "delivery_Zone": "2",
    "delivery_Street": "3",
    "delivery_BuildingNo": "4",
    "delivery_UnitNo": "5",
    "pickup_Zone": "2",
    "pickup_Street": "67",
    "pickup_Building": "2",
    "pickup_Unitno": "s3",
    "location_Details": "near to filafil round about",
    "deliveryType": "homeDelivery",
    "deliveryScheduletype": "2018-08-14T12:00:00.000Z-2018-08-14T14:00:00.000Z",
    "zoneType": "Inside Doha",
    "productDiscription": "Pen",
    "weight": 19.0,
    "quantity": 20,
    "TransectionType": 1,
    "currentStatus": 5,
    "createdDate": "2017-10-10T07:23:07.1622468+03:00"
  }
]
```

PARAMS	REQUIRED	DATA TYPE	DESCRIPTION	EXAMPLE
order_id	YES	String (50)	Order ID created by your system	1238967435
subOrderID	YES	String (50)		567885
trackingNumber	YES	String (50)	This tracking number you can use it to track your order from our API or website	QP123456789XY
customerName	YES	String (100)	Name of the customer	Fahad
customerMobile	YES	String (20)	Customer's mobile number	32141569
MerchantName	YES	String (50)	Your company name	Carrefour
MerchantStore	NO	String (50)	Your store name or branch	Carrefour Doha
MerchantPhone	NO	String (20)	Your store contact number	31245675
delivery_Zone	YES	String (50)	Zone no. of the customer	23
delivery_Street	YES	String (50)	Street no. of the customer	121
delivery_BuildingNo	YES	Integer (50)	Building no. of the customer	54
delivery_UnitNo:	YES	Integer (50)	Unit no. of the customer	124
pickup_Zone	YES	Integer (50)	Zone no. of the pickup location	21
pickup_Street	YES	Integer (50)	Street no. of the pickup location	145
pickup_Building	YES	Integer (50)	Building no. of the pickup location	78
pickup_Unitno	YES	Integer (50)	Unit no. of the pickup location	95
location_Details	YES	String (150)	Landmark of the pickup location	Near to Al Mannai round about
deliveryType	YES	String (50)	Is it home delivery or PO box delivery	Home Delivery
deliveryScheduletype	YES	String (50)		2020-08-14T12:00:00.000Z-2018-08-14T14:00:00.000Z

zoneType	YES	String (50)	Inside Doha or Outside Doha	Inside Doha
productDiscription	YES	String (200)	Information about the product	Pen
Weight	YES	Decimal	Weight of the product	19
Quantity	YES	Integer	Quantity of the products	20
TransectionType	YES	Integer	Default	1
currentStatus	YES	Integer	Default	5
createdDate	YES	DateTime		2017-10-10T07:23:07.1622468+03:00

Response HTTP/1.1 201 Created

```
{
  "errors": [],
  "data": true,
  "isSuccessful": true
}
```



3.1 Error Codes

STATUS CODE	DESCRIPTION
QPS0001	Partner(s) order(s) not found
QPS0002	Not Created
QPS0005	Partner authentication code not found
QPS0010	Tracking No Already Used

4. Request to track order details by tracking number

Get the details of a specific Shipment by passing the value of tracking number in the endpoint url. Both API and Partner Token need to be passed.

Recommendation: Please send a request at an interval of 30mins for uninterrupted service. All the status will be received in the response.

Header

GET: <http://apps.qpost.com.qa/ShipmentAPI/partner/order/{trackingNo}>

Content-type: application/json

Token: <API TOKEN>

Partner-Token: <PARTNER TOKEN>

Url

<http://apps.qpost.com.qa/ShipmentAPI/partner/order/{trackingNo}>

4.1 Tracking Status Codes

ItemActionID	ActionName	Description
5	CREATED	Order Created (default)
2	PICKUP	Pick Up Done
3	RECEIVED	Received at GPO
9	ASSIGNEDTODRIVER	Assigned to the Driver
4	OUTFORDELV	Out For Delivery
6	DELIVERED	Shipment delivered
7	CANCELED	Shipment canceled
8	FAILED	Shipment failed
19	PICKUPFAILED	Pickup failed
17	RTS	Returned to Sender

Response HTTP/1.1 200 OK

```
{
  "errors": [],
  "data": [
    {
      "tracking_No": "QP155096690HB",
      "item_Action_Id": 1,
      "item_Action_Name": "DELIVERED",

```

```
"action_Date": "2007-04-24T00:00:00",
"action_Time": "1900-01-01T10:33:41",
"operator_Name": "ABEER MOHD S MOHD+",
"totalRows": 5
},
{
  "tracking_No": "QP155096690HB",
  "item_Action_Id": 2,
  "item_Action_Name": "OUTOFDELV",
  "action_Date": "2007-04-24T00:00:00",
  "action_Time": "1900-01-01T10:33:41",
  "operator_Name": "ABEER MOHD S MOHD+",
  "totalRows": 5
},
{
  "tracking_No": "QP155096690HB",
  "item_Action_Id": 3,
  "item_Action_Name": "PENDING",
  "action_Date": "2007-04-24T00:00:00",
  "action_Time": "1900-01-01T10:33:41",
  "operator_Name": "ABEER MOHD S MOHD+",
  "totalRows": 5
},
{
  "tracking_No": "QP155096690HB",
  "item_Action_Id": 4,
  "item_Action_Name": "RECIEVED",
  "action_Date": "2007-04-24T00:00:00",
  "action_Time": "1900-01-01T10:33:41",
  "operator_Name": "ABEER MOHD S MOHD+",
  "totalRows": 5
},
{
  "tracking_No": "QP155096690HB",
  "item_Action_Id": 5,
  "item_Action_Name": "CREATED",
  "action_Date": "2007-04-24T00:00:00",
  "action_Time": "1900-01-01T10:33:41",
  "operator_Name": "ABEER MOHD S MOHD+",
  "totalRows": 5
}
],
"isSuccessful": true
```

```

    }

    -3: {
      "tracking_No": "QP155096690HB",
      "item_Action_Id": 4,
      "item_Action_Name": "RECIEVED",
      "action_Date": "2007-04-24T00:00:00",
      "action_Time": "1900-01-01T10:33:41",
      "operator_Name": "ABEER MOHD S MOHD+",
      "totalRows": 5
    },
    -4: {
      "tracking_No": "QP155096690HB",
      "item_Action_Id": 5,
      "item_Action_Name": "CREATED",
      "action_Date": "2007-04-24T00:00:00",
      "action_Time": "1900-01-01T10:33:41",
      "operator_Name": "ABEER MOHD S MOHD+",
      "totalRows": 5
    }
  ],
  "isSuccessful": true
}

```

200 OK 157.39 ms



```

{
  "errors": [Array[0]],
  -"data": [Array[5]]
    -0: {
      "tracking_No": "QP155096690HB",
      "item_Action_Id": 1,
      "item_Action_Name": "DELIVERED",
      "action_Date": "2007-04-24T00:00:00",
      "action_Time": "1900-01-01T10:33:41",
      "operator_Name": "ABEER MOHD S MOHD+",
      "totalRows": 5
    },
    -1: {
      "tracking_No": "QP155096690HB",
      "item_Action_Id": 2,
      "item_Action_Name": "OUTOFDELV",
      "action_Date": "2007-04-24T00:00:00",
      "action_Time": "1900-01-01T10:33:41",
      "operator_Name": "ABEER MOHD S MOHD+",
      "totalRows": 5
    },
    -2: {
      "tracking_No": "QP155096690HB",
      "item_Action_Id": 3,
      "item_Action_Name": "PENDING",
      "action_Date": "2007-04-24T00:00:00",
      "action_Time": "1900-01-01T10:33:41",
      "operator_Name": "ABEER MOHD S MOHD+",
      "totalRows": 5
    }
  ]
}

```

5. Request to track order details by collection of tracking numbers

Use this API to get the shipment details of all the shipments in your account.

Recommendation: Please send a request at an interval of 30mins for uninterrupted service. All the status will be received in the response.

5.1 Header

POST: <http://apps.qpost.com.qa/ShipmentAPI/partner/order/trackingNumbers>

Content-type: application/json

Token: <API Token>

Partner-Token: <Partner Token>

Body

```
{
  "pageNumber": 1,
  "trackingNumbers": [
    "QP000001029CQ",
    "QP000001030CQ"
  ]
}
```

5.1 Tracking Status Codes

ItemActionID	ActionName	Description
5	CREATED	Order Created (default)
2	PICKUP	Pick Up Done
3	RECEIVED	Received at GPO
9	ASSIGNEDTODRIVER	Assigned to the Driver
4	OUTFORDELV	Out For Delivery
6	DELIVERED	Shipment delivered
7	CANCELED	Shipment canceled
8	FAILED	Shipment failed
19	PICKUPFAILED	Pickup failed
17	RTS	Returned to Sender

Response HTTP/1.1 200 OK

```
{
  "errors": [],
```

```
"data": [  
  {  
    "tracking_No": "QP000001030CQ",  
    "item_Action_Id": 6,  
    "item_Action_Name": "DELIVERED",  
    "action_Date": "2020-02-27T11:42:03",  
    "action_Time": "2020-02-27T11:42:03",  
    "operator_Name": "sabiram@qatarposts.com",  
    "totalRows": 9  
  },  
  {  
    "tracking_No": "QP000001030CQ",  
    "item_Action_Id": 3,  
    "item_Action_Name": "RECIEVED",  
    "action_Date": "2020-02-27T10:13:42",  
    "action_Time": "2020-02-27T10:13:42",  
    "operator_Name": "erfatma@qatarposts.com",  
    "totalRows": 9  
  },  
  {  
    "tracking_No": "QP000001030CQ",  
    "item_Action_Id": 5,  
    "item_Action_Name": "CREATED",  
    "action_Date": "2020-02-27T07:20:00.527",  
    "action_Time": "2020-02-27T07:20:00.527",  
    "operator_Name": "1",  
    "totalRows": 9  
  },  
  {  
    "tracking_No": "QP000001030CQ",  
    "item_Action_Id": 6,  
    "item_Action_Name": "DELIVERED",  
    "action_Date": "2020-02-27T00:00:00",
```

```
"action_Time": "2020-02-27T00:00:00",
"operator_Name": "General Post Office",
"totalRows": 9
},
{
  "tracking_No": "QP000001029CQ",
  "item_Action_Id": 6,
  "item_Action_Name": "DELIVERED",
  "action_Date": "2020-02-20T20:30:50",
  "action_Time": "2020-02-20T20:30:50",
  "operator_Name": "cc-salma@qatarposts.com",
  "totalRows": 9
},
{
  "tracking_No": "QP000001029CQ",
  "item_Action_Id": 13,
  "item_Action_Name": "Delivery Follow-up Success",
  "action_Date": "2020-02-20T10:59:11",
  "action_Time": "2020-02-20T10:59:11",
  "operator_Name": "sabiram@qatarposts.com",
  "totalRows": 9
},
{
  "tracking_No": "QP000001029CQ",
  "item_Action_Id": 3,
  "item_Action_Name": "RECIEVED",
  "action_Date": "2020-02-20T10:55:24",
  "action_Time": "2020-02-20T10:55:24",
  "operator_Name": "sabiram@qatarposts.com",
  "totalRows": 9
},
{
  "tracking_No": "QP000001029CQ",
```

```
"item_Action_Id": 5,
"item_Action_Name": "CREATED",
"action_Date": "2020-02-20T10:10:29.77",
"action_Time": "2020-02-20T10:10:29.77",
"operator_Name": "1",
"totalRows": 9
},
{
  "tracking_No": "QP000001029CQ",
  "item_Action_Id": 6,
  "item_Action_Name": "DELIVERED",
  "action_Date": "2020-02-20T00:00:00",
  "action_Time": "2020-02-20T00:00:00",
  "operator_Name": "General Post Office",
  "totalRows": 9
}
],
"isSuccessful": true
}
```