**API Integration Documentation**

**Overview**

This document provides detailed instructions on how to integrate with the Agility Systems Third Party API. The API allows for the creation and management of shipments.

**Base URLs**

* **Production Environment:** [**https://prod-agilitythirdpartyapi.theagilitysystems.com/api/ThirdParty**](https://prod-agilitythirdpartyapi.theagilitysystems.com/api/ThirdParty)
* **Development Environment:** [**https://dev-agilitythirdpartyapi.theagilitysystems.com/api/thirdparty**](https://dev-agilitythirdpartyapi.theagilitysystems.com/api/thirdparty)

NOTE: YOU CAN ONLY WORK DEVELOPMENT ENVIRONMENT AT THE TEST PHASE.

#### Authentication

To use the API, you must first authenticate and obtain a token. This token is required for accessing other endpoints.

##### Authentication Endpoint

**URL:** **https://dev-agilitythirdpartyapi.theagilitysystems.com/api/thirdparty/login**

**Method:** POST

**Request Body:**

THE DEVELOPMENT ENVIRONMENT:

{

"username": "testaccount@yahoo.com",

"password": "loving",

"sessionObj": "string"

}

FOR PRODUCTION (AFTER WE HAVE GIVEN YOU THIRD PARTY ACCES)

{

"username": "your-email@example.com",

"password": "your-password",

"sessionObj": "string"

}

**Response:**

{

"token": "your-authentication-token"

}

* Replace **"your-email@example.com"** with your email address.
* Replace **"your-password"** with your password.
* The token received in the response should be included in the headers of subsequent API requests.

#### Endpoints

1. **Get Shipping Price**
   * **URL:** **https://prod-agilitythirdpartyapi.theagilitysystems.com/api/ThirdParty/price**
   * **Method:** POST
   * **Headers**

{

"Authorization[Bearer Token]": " your-authentication-token",

"Content-Type": "application/json"

}

**Request Body:**

{

"PreShipmentMobileId": 0,

"SenderName": "TEST ECOMMERCE IT",

"SenderPhoneNumber": "+2347063965528",

"SenderStationId": 1,

"InputtedSenderAddress": "21 Emmanuel Olorunfemi St, Ifako Agege, Lagos, Nigeria",

"SenderLocality": "Ifako Ijaye",

"ReceiverStationId": 1,

"SenderAddress": "21 Emmanuel Olorunfemi St, Ifako Agege, Lagos, Nigeria",

"ReceiverName": "Ehinomen",

"ReceiverPhoneNumber": "08039322440",

"ReceiverAddress": "Dominos Pizza Gbagada,1A Idowu Olaitan St, Gbagada, Lagos, Nigeria",

"InputtedReceiverAddress": "Dominos Pizza Gbagada,1A Idowu Olaitan St, Gbagada, Lagos, Nigeria",

"SenderLocation": {

"Latitude": "6.639438",

"Longitude": "3.330983",

"FormattedAddress": "",

"Name": "",

"LGA": ""

},

"ReceiverLocation": {

"Latitude": "6.5483775",

"Longitude": "3.3883414",

"FormattedAddress": "",

"Name": "",

"LGA": ""

},

"PreShipmentItems": [

{

"PreShipmentItemMobileId": 0,

"Description": "Sample description",

"Weight": 1,

"Weight2": 0,

"ItemType": "Normal",

"ShipmentType": 1,

"ItemName": "Shoe Lace",

"EstimatedPrice": 0,

"Value": "1000",

"ImageUrl": "",

"Quantity": 1,

"SerialNumber": 0,

"IsVolumetric": false,

"Length": null,

"Width": null,

"Height": null,

"PreShipmentMobileId": 0,

"CalculatedPrice": null,

"SpecialPackageId": null,

"IsCancelled": false,

"PictureName": "",

"PictureDate": null,

"WeightRange": "0"

}

],

"VehicleType": "BIKE",

"IsBatchPickUp": false,

"WaybillImage": "",

"WaybillImageFormat": "",

"DestinationServiceCenterId": 0,

"DestinationServiceCentreId": 0,

"IsCashOnDelivery": false,

"CashOnDeliveryAmount": 0.00

}

**Capture Shipment**

* **URL:** **https://prod-agilitythirdpartyapi.theagilitysystems.com/api/ThirdParty/captureshipment**
* **Method:** POST
* **Headers**

{

"Authorization[Bearer Token]": " your-authentication-token",

"Content-Type": "application/json"

}

**Request Body**

{

"PreShipmentMobileId": 0,

"SenderName": "TEST ECOMMERCE IT",

"SenderPhoneNumber": "+2347063965528",

"SenderStationId": 1,

"InputtedSenderAddress": "21 Emmanuel Olorunfemi St, Ifako Agege, Lagos, Nigeria",

"SenderLocality": "Ifako Ijaye",

"ReceiverStationId": 1,

"SenderAddress": "21 Emmanuel Olorunfemi St, Ifako Agege, Lagos, Nigeria",

"ReceiverName": "Ehinomen",

"ReceiverPhoneNumber": "08039322440",

"ReceiverAddress": "Dominos Pizza Gbagada,1A Idowu Olaitan St, Gbagada, Lagos, Nigeria",

"InputtedReceiverAddress": "Dominos Pizza Gbagada,1A Idowu Olaitan St, Gbagada, Lagos, Nigeria",

"SenderLocation": {

"Latitude": "6.639438",

"Longitude": "3.330983",

"FormattedAddress": "",

"Name": "",

"LGA": ""

},

"ReceiverLocation": {

"Latitude": "6.5483775",

"Longitude": "3.3883414",

"FormattedAddress": "",

"Name": "",

"LGA": ""

},

"PreShipmentItems": [

{

"PreShipmentItemMobileId": 0,

"Description": "Sample description",

"Weight": 1,

"Weight2": 0,

"ItemType": "Normal",

"ShipmentType": 1,

"ItemName": "Shoe Lace",

"EstimatedPrice": 0,

"Value": "1000",

"ImageUrl": "",

"Quantity": 1,

"SerialNumber": 0,

"IsVolumetric": false,

"Length": null,

"Width": null,

"Height": null,

"PreShipmentMobileId": 0,

"CalculatedPrice": null,

"SpecialPackageId": null,

"IsCancelled": false,

"PictureName": "",

"PictureDate": null,

"WeightRange": "0"

}

],

"VehicleType": "BIKE",

"IsBatchPickUp": false,

"WaybillImage": "",

"WaybillImageFormat": "",

"DestinationServiceCenterId": 0,

"DestinationServiceCentreId": 0,

"IsCashOnDelivery": false,

"CashOnDeliveryAmount": 0.00

}

### Example Usage

#### Step 1: Authentication

1. Send a POST request to the authentication endpoint to get the token.
2. Use the token received in the response in the headers of all subsequent requests.

#### Step 2: Get Shipping Price

1. Send a POST request to the **/price** endpoint with the shipment details.
2. Include the authentication token in the headers.

#### Step 3: Capture Shipment

1. Send a POST request to the **/captureshipment** endpoint with the shipment details.
2. Include the authentication token in the headers.

### Notes

* Replace placeholders such as **your-email@example.com**, **your-password**
* Ensure to use the correct Base URL for the environment you are working in (production or development).

This document should help you integrate with the Agility Systems Third Party API. If you have any questions or need further assistance, please let me know