

Aramex South Africa

# Click-Way API

Technical Document

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## Introduction

This document was designed for IT professionals as a technical document to communicate and understand the Click-Way API process.

This document will provide the following:

- 1) Login
- 2) Get Quote
- 3) Create Shipment
- 4) Json Sample Objects

All responses include a statusCode if this is 0 the transaction was successful any other code refers to various different issues while posting/processing of information.

All API's are Http Post methods.

## Login

This is a Post Method.

The login process needs to happen first and returns a key that is valid for 1 hour and is used in the headers for every post done.

The URL for this service is:

<https://www.clickwaycouriers.co.za/API/Login>

## Json Objects

### Receive Json

Field Name	Description	Data Type	Required
Username	Email that was registered on Click-Way website	String	True
Password	Password used to login to Click-Way website	String	True

### Returned Json

Field Name	Description	Data Type
status_code	The status code of the transaction	int
Status_description	The description of the status	string
Key	This is the Authentication Key	string

## Get Quote

This is a Post Method.

This post also requires a 'ApiKey' Header that is returned by the Login Method.

This is the second step in creating a shipment, it is vital do this step not only to get the quoted price for the parcels being sent but also to validate the suburb and postal codes for the shipment.

The URL for this service is:

<https://www.clickwaycouriers.co.za/API/GetQuote>

### Json Objects

#### Receive Json

Field Name	Description	Data Type	Required
SenderSuburb	Sender Postal code	String	True
SenderPostalCode	Sender Postal Code	String	True
ReceiverSuburb	Receiver Suburb	String	True
ReceiverPostalCode	Receiver Postal Code	String	True
Parcels	Array of Parcel Objects	Array	True

#### Parcel

Field Name	Description	Data Type	Required
Height	The height of the parcel being sent	Decimal	True
Width	The width of the parcel being sent	Decimal	True
Length	The length of the parcel being sent	Decimal	True
Weight	The weight of the parcel being sent	Decimal	True
Description	This is a description of the what's in the parcel that's being sent.	String	True

### Returned Json

Field Name	Description	Data Type
status_code	The status code of the transaction	int
Status_description	The description of the status	string
ErrorList	This is a list of errors that went wrong with the transaction	Array of strings
SenderSuburb	This is the closest match to the suburb that was submitted, this is also the suburb that should be used in the Create Shipment Post	String
SenderPostalCode	This is the closest match to the postal code that was submitted, this is also the postal code that should be used in the Create Shipment Post	String
ReceiverSuburb	This is the closest match to the suburb that was submitted, this is also the suburb that should be used in the Create Shipment Post	String
ReceiverPostalCode	This is the closest match to the postal code that was submitted, this is also the postal code that should be used in the Create Shipment Post	String
Quotes	Array of Quote object	Array

### Quote

Field Name	Description	Data Type
ServiceType	The service type being quoted for. ONP => Overnight, delivery the next working day. PEC = > Economy, 1 - 3 Days Delivery.	String
QuotedPrice	This is the cost of the shipment. This is excluding the cost for insurance insurance.	Decimal

## Create Shipment

This is a Post Method.

This post also requires a 'ApiKey' Header that is returned by the Login Method.

The URL for this service is:

<https://www.clickwaycouriers.co.za/API/CreateShipment>

### Json Objects

#### Receive Json

Field Name	Description	Data Type	Required
SenderName	The Name of the sender	String	True
SenderContactNumber	The Mobile number of the sender. This should be a valid 10 digit ZA mobile number country dialing code should not be added	String	True
SenderEmailAddress	The email Address of the sender	String	True
SenderAddress	The Address of the sender.	String	True
SenderBussinessPark	This is an additional address field for Estate/Business Park/Complex of the sender	String	False
SenderSuburb	This is the Suburb of the sender. This field also needs to be populated by the SenderSuburb returned from the GetQuote Post.	String	True
SenderPostalCode	This is the Postal code of the sender. This field also needs to be populated by the SenderPostalCode returned from the GetQuote Post.	String	True
ReceiverName	The Name of the receiver	String	True
ReceiverContactNumber	The Receiver Mobile Number. This should be a valid 10 digit ZA mobile number country dialing code should not be added	String	True
ReceiverEmailAddress	The Email address of the receiver	String	True
ReceiverAddress	The Address of the Receiver	String	True
ReceiverBusinessPark	This is an additional address field for Estate/Business Park/Complex of the receiver	String	False
ReceiverSuburb	This is the Suburb of the receiver. This field also needs to be populated by the ReceiverSuburb returned from the GetQuote Post.	String	True
ReceiverPostalCode	This is the Postal code of the receiver. This field also needs to be populated by the ReceiverPostalCode returned from the GetQuote Post.	String	True

ServiceType	This is the chosen Service type from the GetQuote Post	String	True
CollectToday	True if the collection needs to be booked for today. False if the collection needs to be booked for the next business day. Note: Same day collections only available before 14:00 if after this time it will default to the following business day.	Boolean	True
RequireInsurance	True if insurance is required on the shipment. Note. This was not calculated into the Quoted Value, Insurance is only available for Insurance Value between R500 and R5000.	Boolean	True
InsuranceAmount	This is the Rand Value of the Shipment.	Decimal	Only if RequireInsurance is True
DiscountCode	This is a Promotional Code for The Click-Way website	String	False
Parcels	Array of Parcel Objects	Array	True

### Parcel

Field Name	Description	Data Type	Required
Height	The height of the parcel being sent	Decimal	True
Width	The width of the parcel being sent	Decimal	True
Length	The length of the parcel being sent	Decimal	True
Weight	The weight of the parcel being sent	Decimal	True
Description	This is a description of the what's in the parcel that's being sent.	String	True

### Returned Json

Field Name	Description	Data Type
status_code	The status code of the transaction	Int
Status_description	The description of the status	String
ErrorList	This is a list of errors that went wrong with the transaction	Array of strings
WaybillNumber	The Waybill Number used for tracking the shipment.	String
DownloadURL	This is a URL where the PDF of the Waybill can be viewed.	String

## Json Object Examples

This is the layout of the Json object being sent and received. The values used are demonstration purposes only and cannot be used for testing.

### Login Objects

#### Receive Object

```
{
  "Username": "john.doe@domain.com",
  "Password": "Password@1234"
}
```

#### Return Object

```
{
  "statusCode": 0,
  "statusDescription": "transaction successfull",
  "Key": "10c30f7b11a64554901165c07dae01a2"
}
```

### Get Quote Objects

#### Receive Object

```
{
  "SenderSuburb": "Sandton",
  "SenderPostalCode": "2090",
  "ReceiverSuburb": "Bonaero Park",
  "ReceiverPostalCode": "1619",
  "Parcels": [
    {
      "Height": 30,
      "Width": 40,
      "Length": 1,
      "Weight": 1,
      "Description": "Test Parcel"
    }
  ]
}
```

#### Return Object

```
{
  "statusCode": 0,
  "statusDescription": "Transaction Successfull",
  "ErrorList": [],
  "SenderSuburb": " Sandton ",
  "SenderPostalCode": "2090",
  "ReceiverSuburb": "BONAERO PARK",
  "ReceiverPostalCode": "1619",
  "Quotes": [
    {
      "ServiceType": "ONP",
      "QuotedPrice": 90.5625
    },
    {
      "ServiceType": "PEC",
      "QuotedPrice": 77.280
    }
  ]
}
```

## Create Shipment Objects

### Receive Object

```
{
  "SenderName": "John Doe",
  "SenderContactNumber": "0726548265",
  "SenderEmailAddress": "john.doe@domain.com",
  "SenderAddress": "1 Doe str",
  "SenderBusinessPark": "",
  "SenderSuburb": "Sandton",
  "SenderPostalCode": "2090",
  "ReceiverName": "r Test",
  "ReceiverContactNumber": "0854562189",
  "ReceiverEmailAddress": "jane.doe@domain.com",
  "ReceiverAddress": "2 Jane Str",
  "ReceiverBusinessPark": "",
  "ReceiverSuburb": "Bonaero Park",
  "ReceiverPostalCode": "1619",
  "ServiceType": "ONP",
  "CollectToday": true,
  "RequireInsurance": false,
  "InsuranceAmount": 0,
  "DiscountCode": "",
  "Parcels": [
    {
      "Height": 30,
      "Width": 40,
      "Length": 1,
      "Weight": 1,
      "Description": "Test Parcel"
    }
  ]
}
```

### Return Object

```
{
  "statusCode": 0,
  "statusDescription": "Transaction Successfull",
  "ErrorList": [],
  "WaybillNumber": "CWC14271001",
  "DownloadURL": "https://www.clickwaycouriers.co.za/Home/PrintWaybill/11041"
}
```