

# Org Wise Softdata API Documentation

## Sandbox endpoint

POST <{baseurl}/api/client/integration/consignment/upload/softdata>

Baseurl will be shared separately

Add the following header for authentication: **"Authorization", "Basic <API KEY>"**

i.e., add a header with name "Authorization" and value "Basic <API KEY>". The api key will be shared separately

*There is a limit of 20 consignments per API request, however, multiple parallel requests are allowed.*

### Sample Softdata Body

```
{
  "consignments": [
    {
      "customer_code": "SHIPSY",
      "reference_number": "E12345678",
      "service_type_id": "PREMIUM",
      "load_type": "DOCUMENT",
      "description": "Notebook",
      "cod_favor_of": "Ram Manohar",
      "cod_collection_mode": "Cheque",
      "dimension_unit": "",
      "length": "",
      "width": "",
      "height": "",
      "weight_unit": "kg",
      "weight": "0.25",
      "declared_value": "",
      "cod_amount": "100",
      "num_pieces": "10",
      "customer_reference_number": "XF878723",
      "is_risk_surcharge_applicable": true,

      "origin_details": {
        "name": "Shipsy",
        "phone": "9971149561",
        "alternate_phone": "9876543210",
      }
    }
  ]
}
```

```
        "address_line_1": "B-23 Sushant Lok I",
        "address_line_2": "Opp. Bestech Centre Point Mall",
        "pincode": "122009",
        "city": "Gurgaon",
        "state": "Haryana"
    },

    "destination_details": {
        "name": "Shipsy",
        "phone": "9971149561",
        "alternate_phone": "9876543210",
        "address_line_1": "B-23 Sushant Lok I",
        "address_line_2": "Opp. Bestech Centre Point Mall",
        "pincode": "122009",
        "city": "Gurgaon",
        "state": "Haryana"
    },
    "return_details": {
        "name": "Shipsy",
        "phone": "9971149561",
        "alternate_phone": "9876543210",
        "address_line_1": "B-23 Sushant Lok I",
        "address_line_2": "Opp. Bestech Centre Point Mall",
        "pincode": "122009",
        "city": "Gurgaon",
        "state": "Haryana"
    },
    "exceptional_return_details": {
        "name": "Shipsy",
        "phone": "9971149561",
        "alternate_phone": "9876543210",
        "address_line_1": "B-23 Sushant Lok I",
        "address_line_2": "Opp. Bestech Centre Point Mall",
        "pincode": "122009",
        "city": "Gurgaon",
        "state": "Haryana"
    },
    "type_of_delivery": "home delivery",
    "pieces_detail":
    [

        {
            "description": "Notebook",
            "declared_value": "100",
            "weight": "0.5",
            "height": "5",
            "length": "5",
            "width" : "5",
            "quantity" : "1",
```

```

        "product_code" : "00000000581109917",
        "volume" : "427731200.000",
        "volume_unit" : "MMQ",
        "dimension_unit" : "cm",
        "weight_unit" : "kg",
    },

    {
        "description": "letter",
        "declared_value": "100",
        "weight": "0.5",
        "height": "5",
        "length": "5",
        "width" : "5",
        "product_code" : "00000000581109917",
        "volume" : "427731200.000",
        "volume_unit" : "MMQ",
        "dimension_unit" : "cm",
        "weight_unit" : "kg",
    }
]

```

```

},

```

```

{
    "customer_code": "SHIPSY",
    "reference_number": "E87654321",
    "service_type_id": "PRIORITY",
    "load_type": "NON-DOCUMENT",
    "description": "Notebook",
    "cod_amount": "250",
    "cod_favor_of": "Rahul",
    "cod_collection_mode": "dd",
    "dimension_unit": "in",
    "length": "2",
    "width": "3",
    "height": "4",
    "weight_unit": "kg",
    "weight": "1.5",
    "declared_value": "100",
    "eway_bill": "12320012385958",
    "invoice_number": "C378942320",
    "invoice_date": "25 Jul 2018",
    "origin_details": {
        "name": "Shipsy",
        "phone": "",
        "alternate_phone": "",
        "address_line_1": "B-23 Sushant Lok I",
    }
}

```

```
        "address_line_2": "Opp. Bestech Centre Point Mall",
        "pincode": "122009",
        "city": "Gurgaon",
        "state": "Haryana"
    },
    "destination_details": {
        "name": "Shipsy",
        "alternate_phone": "",
        "phone": "9971149561",
        "address_line_1": "B-23 Sushant Lok I",
        "address_line_2": "Opp. Bestech Centre Point Mall",
        "pincode": "122009",
        "city": "Gurgaon",
        "state": "Haryana"
    }
},
{
    "customer_code": "SHIPSY",
    "service_type_id": "PRIORITY",
    "load_type": "NON-DOCUMENT",
    "cod_amount": "124",
    "cod_favor_of": "Rana",
    "cod_collection_mode": "Cash",
    "description": "Notebook",
    "dimension_unit": "in",
    "length": "2",
    "width": "3",
    "height": "4",
    "weight_unit": "kg",
    "weight": "1.5",
    "declared_value": "100",
    "eway_bill": "12320012385958",
    "invoice_number": "C378942320",
    "commodity_name": "Laptop",
    "invoice_date": "25 Jul 2018",
    "consignment_type": "forward",
    "origin_details": {
        "name": "Shipsy",
        "phone": "",
        "alternate_phone": "",
        "address_line_1": "B-23 Sushant Lok I",
        "address_line_2": "Opp. Bestech Centre Point Mall",
        "pincode": "122009",
        "city": "Gurgaon",
        "state": "Haryana"
    },
    "destination_details": {
        "name": "Shipsy",
        "alternate_phone": "",
```

```

        "phone": "9971149561",
        "address_line_1": "B-23 Sushant Lok I",
        "address_line_2": "Opp. Bestech Centre Point Mall",
        "pincode": "122009",
        "city": "Gurgaon",
        "state": "Haryana"
    }
}
]
}

```

Consignments: An array of consignment objects, required

Following is the description, its data type, whether required or not and possible example for every key of consignment,

Key Name	Description	Data Type	Required Key	Remarks
customer_code	Customer code	String	Required	
origin_details	Address object containing origin details of consignment	Object	Required	Here, details of the consignor such as name, phone/mobile number, address and pincode needs to be added. Pincode is required in origin details
destination_details	Address object containing destination details of consignment	Object	Required	Can be an object or null. Here, details of the consignee such as name, phone/mobile number, address and pincode needs to be added.
return_details	Address object containing return details of RTO	Object	Optional	Can be an object or null.

	consignments			Here, details of the consignee such as name, phone/mobile number, address and pincode needs to be added.
exceptional_return_details	Address object containing return details of RTO consignments	Object	Optional	Can be an object or null.  Here, details of the consignee such as name, phone/mobile number, address and pincode needs to be added.
load_type	Consignment type	String	Required	Allowed: "DOCUMENT", "NON-DOCUMENT"
product_code	Product code for predefined product categories. Each product with a given product code will have its predefined dimensions and weight	String	Optional	Load_type should be NON-DOCUMENT for this. If present, dimension and weight values will be overwritten with the product code mapping. No need to provide dimension_unit, length, width, height, weight_unit, weight.
dimension_unit	Unit for dimensions of consignment	String	Optional	Allowed: "cm", "in" etc. Default dimension unit is "cm".
length	Length of consignment (cm)	String or Number	Optional	Eg: "1.5" or 1.5
width	Width of consignment (cm)	String or Number	Optional	Eg: "1.5" or 1.5
height	Height of consignment (cm)	String or Number	Optional	Eg: "1.5" or 1.5
weight_unit	Unit for consignment weight	String	Optional	Allowed: "gm", "kg" Default weight unit is "kg"
weight	Weight of consignment	String or Number	Optional	Eg: "1.5" or 1.5
service_type_id	Service type id of consignment	String	Required	Eg: "Economy"  The services type chosen should be from the list provided by the courier

				partner.
commodity_name	Content name of the consignment	String	Mandatory in Non DOcs	Eg: "Laptop", "Mobile" etc
reference_number	Reference number/ awb number of consignment	String	Optional	eg: "REF123"
cod_amount	COD amount to be collected for the consignment under consideration	Number or String	Optional	Eg: "2800" or 2800
cod_collection_mode	COD collection mode	String	Optional	Allowed: "cash", "cheque" "dd".
cod_favor_of	Details of the entity in whose name collection is to be made	string	Optional	
declared_value	Declared value of consignment	Number or String	Required	Eg: "2800" or 2800
type_of_delivery	Home delivery	String	Required	Only allowed value is "home delivery"
num_pieces	Number of pieces of Consignment	Number or String	Optional	Eg: "10" or 10
eway_bill	Eway Bill Number of Consignment	String	Optional	Eg: "12878382929"
invoice_number	Invoice Number of Consignment	String	Optional	Eg: "C3447827878470"
invoice_date	Invoice Date of Consignment	String	Optional	Eg: "25 Jul 2018"
consignment_type	Type of Consignment: Reverse or Forward	String	Optional	'forward' for forward pickup and 'reverse' for reverse pickup
customer_reference_number	Customer reference number	String	Optional	Eg: "ABCD" or "1234" or "A1234"
is_risk_surcharge_applicable	Risk surcharge applicable	Boolean	Optional	Eg: true or false

#### Address Object:

Following is the description, its data type, whether required or not and possible example for every key of Address,

Key Name	Description	Type	Required	Remarks
pincode	Pincode details of the Consignor (in case of origin) or Consignee (in case of destination)	String	Required in Origin and Destination	Eg: "122002"
name	Name of consignor (in case of origin) or Consignee (in case of destination)	String	Required in Origin and Destination	Eg: "Nikhil"
phone	Phone number of Consignor (in case of origin) or Consignee (in case of destination)	String	Required in Origin and Destination	Eg: "8586999698"
alternate_phone	Alternate Phone number of Consignor (in case of origin) or Consignee (in case of destination)	String	Required in Origin for Non - document consignment	Eg: "8586999698"
address_line_1	Address details of the Consignor (in case of origin) or Consignee (in case of destination)	String	Required in Origin and Destination	Eg: "Carlton Estate"
address_line_2	Address details of the Consignor (in case of origin) or Consignee (in case of destination)	String	Optional	Eg: "Phase 5"
city		String	Optional	
state		String	Optional	

#### Piece Details Object:

Following is the description, its data type, whether required or not and possible example for every key of Address,

Key Name	Description	Type	Required	Remarks
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description	Piece details of the Consignor (in case of origin) or Consignee (in case of destination)	String	Optional.	Eg: "Notebook"
declared_value	Declared value of Consignment Piece	String or Number	Required in pieces_details for NON-DOCUMENT	Eg: "15000"
weight	Weight of consignment piece (kg)	String or Number	Required in pieces_details for NON-DOCUMENT	Eg: "1.5" or 1.5
height	Height of consignment piece (cm)	String or Number	Required in pieces_details for NON-DOCUMENT	Eg: "1.5" or 1.5
length	Length of consignment piece (cm)	String or Number	Required in pieces_details for NON-DOCUMENT	Eg: "1.5" or 1.5
width	Width of consignment piece (cm)	String or Number	Required in pieces_details for NON-DOCUMENT	Eg: "1.5" or 1.5
weight_unit	Unit for consignment weight	String	Optional	Allowed: "gm", "kg" Default weight unit is "kg"
dimension_unit	Unit for dimensions of consignment	String	Optional	Allowed: "cm", "in" etc. Default dimension unit is "cm".
volume_unit	Unit of volume	String	Optional	Eq: "MMQ"

## Response

### Response Codes

Response Code	Remarks
200	Each consignment will be processed independently. For each consignment, "success" key will be either true or false. If success is true for a consignment, then the consignment is successfully entered into shipsy system. If success is false, then that consignment is not entered (in case of false, the response

	contains an error message and reason)
400	There is some validation error in the overall request format. In this case, complete request is rejected
401	There is authentication error

## Sample Response for 200 - I

When response is 200, it means that there is no error in the structure of the request. But there can be validation errors in individual consignments.

Below is the sample response for a request in which two consignments, 'E12345678' and 'E87654321' are sent

```
{
  "status": "OK",
  "data": [
    {
      "success": true,
      "reference_number": "E12345678",
      "pieces": [
        {
          "reference_number": "E12345678001"
        },
        {
          "reference_number": "E12345678002"
        }
      ]
    },
    {
      "success": true,
      "reference_number": "E87654321"
    },
    {
      "success": true,
      "reference_number": "E87654400"
    }
  ]
}
```

The above response means that:

- For consignment 'E12345678', there are multiple pieces.
- For consignment 'E87654321', there is a single piece.
- For consignment 'E87654400', there is no reference\_number provided.

## Sample Response for 200 - II

When response is 200, it means that there is no error in the structure of the request. But there can be validation errors in individual consignments.

Below is the sample response for a request in which two consignments, 'SHIPSYTEST1' and 'SHIPSYTEST2' are sent

```
{
  "status": "OK",
  "data": [
    {
      "success": false,
      "message": "Service type not found",
      "reason": "SERVICE_TYPE_NOT_FOUND",
      "reference_number": "SHIPSYTEST1",
      "should_retry": false
    },
    {
      "success": true,
      "reference_number": "SHIPSYTEST2"
    },
    {
      "reason": "Invalid Declared Price",
      "success": false,
      "message": "Invalid Declared Price",
      "should_retry": false
    }
  ]
}
```

The above response means that:

- For consignment 'SHIPSYTEST1', success is false. The error code is SERVICE\_TYPE\_NOT\_FOUND and error message is Service type not found. Success is false means that request for 'SHIPSYTEST1' is rejected
- For consignment 'SHIPSYTEST2', success is true. It means that 'SHIPSYTEST2' is successfully processed

- For consignment with no reference\_number, success is false. It means consignment was not created so virtual series reference\_number is not assigned.

## Sample Response for 400

```
{
  "error": {
    "message": 'Number of consignments in a single request should not be greater than 20'
    "reason": "MAX_MANIFEST_LIST_LENGTH_EXCEEDED"
  }
}
```

There is an “error” key, which has the error object. Error object contains

- “message”: Error description
- “reason”: Error code

## Sample Response for 401

- If API key is not present

```
{
  "error": {
    "message": "API key should be present",
    "reason": "NO_API_KEY"
  }
}
```

- If Wrong Api key is used

```
{
  "error": {
    "message": "Wrong api key",
    "statusCode": 401,
    "reason": "WRONG_API_KEY"
  }
}
```

There is an “error” key, which has the error object. Error object contains

- “message”: Error description
- “reason”: Error code