



ODToursAndTravelsPvt.Ltd.

RestAPIIntegrationGuide

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1. ClientLogin

Method: **POST**

Calls to the methods listed in the API require an authentication bearer token. This token is obtained by calling the Client Login method and providing the necessary login credentials.

URL: <https://testing.odbus.co.in/api/ClientLogin>

RequestParameters:

SINo.	ParameterName	Type	Required	Description
1	client_id	string	Yes	Asprovided
2	password	string	Yes	Asprovided

SampleResponse:

```
{
  "status": "1",
  "message": "Client token generated",
  "data": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwczovL3Rlc3Rpbmcub2RidXMuY28uaW4vYXBpL0NsaWVudExvZ2luliwiaWF0I"
}
```

Note:

To start integrating the REST API, you need to obtain the **client_id** and **password**. Every API call requires an access token to be included in the headers, which can be retrieved using the ClientLogin API.

ErrorResponse:

```
{
  "status": "0",
  "message": "Wrongcredentials",
  "data": null
}
```

2. GetLocation

Method: **GET**

Retrieve the location name based on search input.

URL: <https://testing.odbus.co.in/api/getLocation>

Request Parameters:

SINo.	ParameterName	Type	Required	Description
1	locationName	string	Yes	Ex.Rourkela

SampleResponse:

```
{
  "status": "1",
  "message": "RecordFetchedSuccessfully", "data":
  [
    {
      "id": 434,
      "name": "Rourkela",
      "synonym": "Rourkela",
      "url": "rourkela",
      "state_id": null,
      "state_name": null
    }
  ]
}
```

ErrorResponse:

```
{
  "status": "1",
  "message": "RecordFetchedSuccessfully",
  "data": []
}
```

3. BusListing

Method: GET

Provides a list of buses operating on a specific route for a particular date

URL: <https://testing.odbus.co.in/api/Listing>

RequestParameters:

SINo.	ParameterName	Type	Required	Description
1	source	string	Yes	SourceCityName
2	destination	String	Yes	DestinationCityName
3	entry_date	Date	Yes	Format: dd-mm-yyyy
4	bus_operator_id	Integer	No	OperatorID
5	user_id	Integer	No	ClientID

SampleResponse:

```
{
  "status": "1",
  "message": "RecordFetchedSuccessfully", "data":
  [ {
    "origin": "ODBUS",
```

```

"CompanyID": "",
"ReferenceNumber": "",
"BoardingPoints": "",
"DroppingPoints": "",
"RouteTimeID": "",
"srcId": 82,
"destId": 434,
"display": "show",
"busId": 866,
"busName":
"SAMPARK", "via": "Cuttack,Talc
herBypass", "popularity": null,
"busNumber": "OD02AL5775",
"maxSeatBook": 6,
"conductor_number": "9439580677",
"couponCode": [],
"couponDetails": [],
"operatorId": 208,
"operatorUrl": "sampark",
"operatorName": "SAMPARK",
"sittingType": "2+2",
"bus_description": "LuxuryA/CSleeper+Seater",
"busType": "AC",
"busTypeName": "ACSLEEPER",
"totalSeats": 16,
"seaters": 12,
"sleepers": 4,
"startingFromPrice": 428,
"departureTime": "21:20",
"arrivalTime": "05:30",
"bookingCloseTime": "19:00:00",
"totalJourneyTime": "8h 10m",
"amenity": [{
    "id": 5,
    "name": "E-Ticket", "amenity_image":
    [Image URL],
    "amenity_android_image": [ImageURL]
  },
  {
    "id": 13,
    "name": "Music System",
    "amenity_image": [Image URL],
    "amenity_android_image": [ImageURL]
  },
  {
    "id": 14,
    "name": "MTicket",

```

```

        "amenity_image":[ImageUrl],
        "amenity_android_image":[ImageUrl]
    }},
    "safety":[{
        "id": 1,
        "name": "mask",
        "safety_image":[ImageUrl],
        "safety_android_image":[ImageUrl]
    },
    {"id":
    :3,
        "name": "Sanitizer",
        "safety_image": [Image URL],
        "safety_android_image":[ImageUrl]
    }
    ],
    "busPhotos":[],
    "cancellationDuration": [ "12-18","18-24","24-999"],    //Duration in hours
    "cancellationDuduction": [ "35", "25", "20"],    //Cancellationdeductioninpercentage
    "cancellationPolicyContent": [Policy Content]//Display while fetch API

    "TravelPolicyContent":null,
    "Totalrating": 0,
    "Totalrating_5star":0,
    "Totalrating_4star":0,
    "Totalrating_3star":0,
    "Totalrating_2star":0,
    "Totalrating_1star":0,
    "reviews": []
    }
ErrorResponse:
{
    "status":"1",
    "message":"RecordFetchedSuccessfully",
    "data": ""
}

```

4. Filter

Method:**POST**

Displays a list of buses operating on a specific route for a given date,with filter options such as price,

bustype(ACorNon-AC),seattype(seaterorsleeper),boardingpoints,droppingpoints,operators, and available amenities.

URL:https://testing.odbus.co.in/api/Filter

RequestParameters:

SINo.	ParameterName	Type	Required	Description
1	price	Integer	Yes	Sortbyprice: 0-nosorting,1-ascendingordersorting.
2	sourceID	Integer	Yes	IdOfLocation(Source)
3	destinationID	Integer	Yes	IdOfLocation(Destination)
4	entry_date	String	Yes	Format:dd-mm-yyyyEx:21-04-2024
5	bus_operator_id	Integer	No	OperatorID
6	user_id	Integer	No	ClientID
7	busType	Integer	No	ACOrNonACEx:1-AC,2-NonAC
8	seatType	Integer	No	SeaterorSleeperEx:1-Seater,2-Sleeper
9	boardingPointId	Integer	No	BoardingPointID
10	dropingPointId	Integer	No	DroppingPointID
11	operatorId	Integer	No	OperatorID
12	amenityId	Integer	No	AmenityID

SampleResponse:

```
{
  "status": "1",
  "message": "Record Fetched Successfully",
  "data": [{
    "origin": "ODBUS",
    "srcId": "82",
    "destId": "434",
    "display": "show",
    "CompanyID": 33159,
    "ReferenceNumber": "",
    "BoardingPoints": "#4678:4-202958|BaramundaBusstand|20:30:00PM#4678:4-348059|Crown Hotel|20:40:00 PM#4678:4-3985|Jaydev Vihar|20:45:00 PM#4678:4-294601|SatsangVihar|20:50:00PM#4678:4-270626|Palasuni|20:55:00PM#4678:4-414812|Puri canal|21:05:00 PM#4678:4-414813|Nakhara|21:10:00 PM",
    "DroppingPoints": "#4678:4-328759|Sector 2 Bus Stand,98615659707008081765|05:45:00AM#4678:4-298870|RourkelaBusStand,98615659707008081765|06:00:00 AM",
    "busId": 2,
    "busName": "Chandrakanti Roadways",
    "via": "",
    "RouteTimeID": "",
    "popularity": null,
    "busNumber": "",
    "maxSeatBook": 6,
  }
]}
```

```

        "conductor_number":"","
        "couponCode": [],
        "couponDetails":[],
        "operatorId": 0,
        "operatorUrl": "",
        "operatorName": "Chandrakanti Roadways",
        "sittingType": "Bbsr - Rourkela",
        "bus_description": "AC",
        "busType":"AC",
        "busTypeName":"Bbsr-Rourkela",
        "totalSeats": 18,
        "seaters":"","
        "sleepers": "",
        "startingFromPrice":"599.0",
        "departureTime":"20:30",
        "arrivalTime": "06:00",
        "bookingCloseTime": "",
        "totalJourneyTime":"9h30m",
        "amenity": [],
        "safety":[],
        "busPhotos":[],
        "cancellationDuration":["0-6","6-24","24-9999"],
        "cancellationDuduction":[100,30,20],
        "cancellationPolicyContent": null,
        "TravelPolicyContent": null,
        "Totalrating": 0,
        "Totalrating_5star":0,
        "Totalrating_4star":0,
        "Totalrating_3star":0,
        "Totalrating_2star":0,
        "Totalrating_1star":0,
        "reviews": []
    }
]
}

```

ErrorResponse:

```

{
    "status":"1",
    "message":"RecordFetchedSuccessfully",
    "data": []
}

```

5.FilterOptions

Method:**POST**

Provide a list of bustypes,seattypes,boardingpoints,droppingpoints,busoperators,and amenities for the corresponding bus.

URL:https://testing.odbus.co.in/api/FilterOptions

RequestParameters:

SINo.	ParameterName	Type	Required	Description
1	sourceID	Integer	Yes	IdofLocation(Source)
2	destinationID	Integer	Yes	IdofLocation(Destination)
3	busIDs	Integer	Yes	AllbusIDsreturnedintheresponseofthelistingAPI
4	entry_date	Date	Yes	Format:dd-mm-yyyyEx:22-11-2024

SampleResponse:

```
{
  "status": "1",
  "message": "Record Fetched Successfully",
  "data": [ {
    "busTypes": [{
      "id": 1,
      "class_name": "AC"
    },
    {
      "id": 2,
      "class_name": "NONAC"
    }
  ],
  "seatTypes": [{
    "id": 1,
    "name": "seater"
  },
  {
    "id": 2,
    "name": "sleeper"
  }
  ],
  "boardingPoints": [{
    "id": 121,
    "boarding_point": "Baramunda"
  },
  {
    "id": 125,
    "boarding_point": "HotelCrown"
  },
  {
    "id": 127,
    "boarding_point": "SatsangVihar"
  }
  ]
}
```

```

    },
    {
      "id":129,
      "boarding_point":"Palasuni"
    }
  ],
  "dropingPoints":[{"id":217,
    "boarding_point":"BaripadaBusStand"
  }],
  "busOperator":[{"id":167,
    "operator_name": "Amitav Das",
    "organisation_name":"Das&DAS"
  }],
  "amenities":[{"id":4,
    "name": "Charging Point",
    "amenities_image":[ImageURL],
    "android_image": [Image URL]
  },
  {
    "id": 5,
    "name": "E-Ticket",
    "amenities_image":[ImageURL],
    "android_image":[Image URL]
  }
  ]
}

```

6. ViewSeats

Method:**POST**

Provides seatlayout,availableseats, bookedseats,and reserved seats for a specific bus.

URL:<https://testing.odbus.co.in/api/viewSeats>

RequestParameters:

SI No.	ParameterName	Type	Required	Description
1	entry_date	Date	Yes	Formatdd-mm-yyyyEx:25-05-204
2	busId	Integer	Yes	BusID
3	sourceId	Integer	Yes	SourceID(GetfromListingAPI response)
4	destinationId	Integer	Yes	DestinationID(GetfromListingAPI response)
5	ReferenceNumber	String	No	Fororigin“ DOLPHIN ”ReferenceNumberis required.(GetfromListingAPI response)
6	origin	String	Yes	ListingAPIRespinse(DOLPHIN/ODBUS)

Note:

- If the bus belongs to the origin **DOLPHIN**, ignore the **new_fare**
- If the bus belongs to the origin **ODBUS**, consider the **new_fare**
- **new_fare** represents any price hike for special seats.

Identification of Seats open or not

- If both the **gender** key and the **bus_seats** key are missing, the seat is not available.
- If the **gender** key is present (F or M), the seat is booked by a female or male and seat is not available.
- If the **gender** key is missing but the **bus_seats** key is present with seat information, the seat is available.

SampleResponse:

```
{
  "status": "1",
  "message": "Record Fetched Successfully",
  "data": {
    "bus": {
      "id": 287,
      "name": "GAJANAN",
      "bus_seat_layout_id": 29
    },
    "lower_berth": {
      "id": 2409,
      "bus_seat_layout_id": 29,
      "seat_class_id": 1,
      "berthType": "1",
      "seatText": "3",
      "rowNumber": 0,
      "colNumber": 0
    },
    {
      "id": 2410,
      "bus_seat_layout_id": 29,
      "seat_class_id": 1,
      "berthType": "1",
      "seatText": "6",
      "rowNumber": 0,
      "colNumber": 1,
      "bus_seats": {
        "ticket_price_id": 3698,
        "seats_id": 2410,
        "new_fare": 0,
        //bus_seats key present seat is open
      }
    }
  }
}
```

```

        "ticket_price":{
            "id":3698,
            "base_seat_fare":407,
            "base_sleeper_fare":0
        }
    },
    {
        "id":2411,
        "bus_seat_layout_id":29,
        "seat_class_id":1,
        "berthType":"1",
        "seatText":"9",
        "rowNumber":0,
        "colNumber":2
    },
    {
        "id":2412,
        "bus_seat_layout_id":29,
        "seat_class_id":1,
        "berthType":"1",
        "seatText":"12",
        "rowNumber":0,
        "colNumber":3
    },
    {
        "id":2413,
        "bus_seat_layout_id":29,
        "seat_class_id":1,
        "berthType":"1",
        "seatText":"15",
        "rowNumber":0,
        "colNumber":4
    },
    {
        "id":2414,
        "bus_seat_layout_id":29,
        "seat_class_id":1,
        "berthType":"1",
        "seatText":"18",
        "rowNumber":0,
        "colNumber":5
    },
    {
        "id":2415,
        "bus_seat_layout_id":29,
        "seat_class_id":1,

```

```

        "berthType": "1",
        "seatText": "21",
        "rowNumber": 0,
        "colNumber": 6
    },
    {
        "id": 2416,
        "bus_seat_layout_id": 29,
        "seat_class_id": 1,
        "berthType": "1",
        "seatText": "24",
        "rowNumber": 0,
        "colNumber": 7
    },
    {
        "id": 2417,
        "bus_seat_layout_id": 29,
        "seat_class_id": 1,
        "berthType": "1",
        "seatText": "27",
        "rowNumber": 0,
        "colNumber": 8,
        "bus_seats": { //bus_seats key present seat is open
            "ticket_price_id": 3698,
            "seats_id": 2417,
            "new_fare": 0,
            "ticket_price": {
                "id": 3698,
                "base_seat_fare": 407,
                "base_sleeper_fare": 0
            }
        }
    }
}

ErrorResponse:
{
    "status": "1",
    "message": "RecordFetchedSuccessfully",
    "data": []
}

```

7. PriceOnSeat Selection

Method: **POST**

Provides the total price for seater/sleeper seat selection, including all service charges.

URL:https://testing.odbus.co.in/api/PriceOnSeatsSelection

RequestParameters:

SlNo.	ParameterName	Type	Required	Description
1	busId	Integer	Yes	BusID
2	sourceId	Integer	Yes	SourceID
3	destinationId	Integer	Yes	DestinationID
4	entry_date	Date	Yes	Format:dd-mm-yyyyEx:21-05-2024
5	seater	Integer	Yes	SeatID
6	sleeper	Integer	Yes	SleeperID
7	ReferenceNumber	String	No	RequiredforOrigin“DOLPHIN”
8	origin	String	Yes	DOLPHIN/ODBUS

SampleResponse:

```
{
{
  "status": "1",
  "message": "Record Fetched Successfully",
  "data": [
    {
      "totalFare": 407.72,
      "baseFare": 353,
      "serviceCharge": 35.3,
      "gst": 19.42
    }
  ]
}
```

8. BoardingDroppingPoints

Method:**POST**

Provide the boarding or dropping point name with timings.

URL:https://testing.odbus.co.in/api/BoardingDroppingPoints

RequestParameters:

SlNo.	ParameterName	Type	Required	Description
1	busId	Integer	Yes	BusID
2	sourceId	Integer	Yes	SourceID
3	destinationId	Integer	Yes	DestinationID
4	journey_date	Date	Yes	Format:dd-mm-yyyyEx:21-05-2024

5	ReferenceNumber	String	No	RequiredforOrigin"DOLPHIN"
6	origin	String	Yes	DOLPHIN/ODBUS

SampleResponse:

```
{
  "status": "1",
  "message": "RecordFetchedSuccessfully",
  "data": [ {
    "boardingPoints": [{
      "id": 121,
      "boardingPoints": "Baramunda",
      "boardingTimes": "21:20"
    },
    {
      "id": 127,
      "boardingPoints": "SatsangVihar", "boardingTimes":
      "21:30
    }
  ]
}
```

```

"droppingPoints":[{
    "id":643,
    "droppingPoints":"Sector-6/TelephoneChowk", "droppingTimes":
    "05:15"
  },
  {
    "id":645,
    "droppingPoints":"UditNagar",
    "droppingTimes": "05:20"
  }
}]
}

```

ErrorResponse:

```

{
  "status":"1",
  "message":"Record Fetched Successfully",
  "data": [{
    "boardingPoints":[],
    "droppingPoints":[]
  }]
}

```

9. PassengerInfoMethod:**POST**

A transaction ID and PNR are generated for the booking, with passenger and seat details recorded against the generated PNR.

URL:<https://testing.odbus.co.in/api/PassengerInfo>**RequestParameters:**

SlNo.	ParameterName	Type	Required	Description
1	customerInfo.email	String	No	Email of customer
2	customerInfo.phone	Integer	Yes	Mobileno. Of customer
3	customerInfo.name	String	Yes	CustomerName
4	bookingInfo.coupon_code	String	No	If coupon code is available
5	bookingInfo.bus_id	Integer	Yes	BusID
6	bookingInfo.source_id	Integer	Yes	SourceID
7	bookingInfo.destination_id	Integer	Yes	DestinationID
8	bookingInfo.journey_dt	String	Yes	Format:dd-mm-yyyyEx:21-05-2024
9	bookingInfo.boarding_point	String	Yes	BoardingPoint
10	bookingInfo.dropping_point	String	Yes	DroppingPoint
11	bookingInfo.boarding_time	Time	Yes	BoardingTime(24hourFormat)Ex: 21:00

12	bookingInfo.dropping_time	Time	Yes	DroppingTime(24hourFormat)Ex: 13:30
13	bookingInfo.CompanyID	Integer	No	RequiredFororiginsEx: DOLPHIN

14	bookingInfo.PickupID	String	Yes	BoardingPointID
15	bookingInfo.DropID	String	Yes	DroppingPoint ID
16	bookingInfo.origin	String	Yes	DOLPHIN/ODBUS
17	bookingInfo.ReferenceNumber	String	No	RequiredFororiginsEx: DOLPHIN
18	bookingInfo.RouteTimeID	Integer	No	RequiredFororiginsEx: DOLPHIN
19	bookingInfo.bookingDetail[].bus_seats_id	Integer	Yes	IDofseats
20	bookingInfo.bookingDetail[].passenger_name	String	Yes	Nameof Passenger
21	bookingInfo.bookingDetail[].passenger_gender	String	Yes	M–ForMale,F –For Female
22	bookingInfo.bookingDetail[].passenger_age	Integer	Yes	PassengerAge
23	bookingInfo.bookingDetail[].created_by	String	Yes	BookedbyEx:customer, extrenalclient

SampleResponse:

```
{
  "status":"1",
  "message":"RecordAddedSuccessfully",
  "data": {
    "transaction_id":"20221026113950223347",
    "pnr": "ODCL49197"
  }
}
```

ErrorResponse:

```
{
  "status":"1",
  "message":"Token is Invalid",
  "data": null
}
```

10. Seat BlockMethod:**POST**

The selected seats are blocked(onhold) against a transaction ID for the payment process

URL:<https://testing.odbus.co.in/api/SeatBlock>**RequestParameters:**

SINo.	ParameterName	Type	Required	Description
1	transaction_id	String	Yes	TransactionID(ResponseofPassengerInfo API)
2	customer_gst_status	Integer	No	0/1,default0:GSTnotrequired,1:GST required
3	customer_gst_number	String	No	CustomerGSTnumber
4	customer_gst_business_name	String	No	CustomerGSTname
5	customer_gst_business_email	String	No	CusomerGSTemail
6	customer_gst_business_address	String	Yes	CustomerGSTaddress

SampleResponse:

```
{
  "status": "1",
  "message": "Seats are blocked for further payment
process", "data": {
    "status": "Success",
    "customer_name": "ALEXA",
    "amount": 470.8
  }
}
```

ErrorResponse:

```
{
  "status": "1",
  "message": "InvalidArgumentPassed",
  "data": null
}
```

11. TicketConfirmation

Method: **POST**

Ticket is confirmed against a transaction ID.

URL: <https://testing.odbus.co.in/api/TicketConfirmation>

RequestParameters:

SINo.	ParameterName	Type	Required	Description
1	transaction_id	String	Yes	TransactionID(ResponseofPassengerInfoAPI)

SampleResponse:

```
{
  "status": "1",
  "message": "Tickets booked
successfully",
  "data": {
    "wallet_balance": 4794.11
  }
}
```

ErrorResponse:

```
{
  "status": "1",
  "message": "InvalidArgumentPassed",
}
```

```

    "data":null
  }

```

12. ClientCancelTicketInfo

Method:**POST**

Ticket cancellation information against PNR.

URL:https://testing.odbus.co.in/api/ClientCancelTicketInfo

RequestParameters:

SINo.	ParameterName	Type	Required	Description
1	pnr	String	Yes	PNR of ticket

SampleResponse:

```

{
  "status":"1",
  "message":"RecordFetchedSuccessfully",
  "data": {
    "cancel_status": true,
    "refundAmount":376.64,
    "deductionPercentage":"20%",
    "deductAmount":94.16,
    "totalfare":470.8,
    "OdbusCancelCommission":47.07,
    "ClientCancelCommission":9.41
  }
}

```

ErrorResponse:

```

{
  "status":"1",
  "message":"InvalidArgumentPassed",
  "data": null
}

```

13. ClientTicketCancellation

Method:**POST**

Ticket cancellation against PNR.

URL:https://testing.odbus.co.in/api/ClientTicketCancellation

RequestParameters:

SINo.	ParameterName	Type	Required	Description
1	pnr	String	Yes	PNR of ticket

SampleResponse:

```
{
  "status": "1",
  "message": "Ticket cancellation successful",
  "data": {
    "cancel_status": true,
    "refundAmount": 376.64,
    "deductionPercentage": "20%",
    "deductAmount": 89.67,
    "totalfare": 470.8,
    "OdbusCancelCommission": 47.07,
    "ClientCancelCommission": 9.41
  }
}
```

ErrorResponse:

```
{
  "status": "1",
  "message": "InvalidArgumentPassed",
  "data": null
}
```

14. TicketDetails

Method: **POST**

Provide details of Ticket information.

URL: <https://testing.odbus.co.in/api/TicketDetails>

RequestParameters:

SINo.	ParameterName	Type	Required	Description
1	pnr	String	Yes	PNR of ticket
2	mobile	Strign	Yes	MobileNo.ofcustomer

SampleResponse:

```
{
  "status": "1",
  "message": "Record Fetched Successfully",
  "data": {
    "name": "ALEXA",
    "email": null,
    "phone": "9999999999",
    "transaction_id": null,
    "pnr": "ODCL49197",
    "journey_dt": "2022-10-29",
  }
}
```

```

    "source": "Bhubaneswar",
    "destination": "Cuttack",
    "boarding_point": "Baramunda | 21:00",
    "dropping_point": "BadambariBusStand | 22:00",
    "boarding_time": "21:00:00",
    "dropping_time": "22:00:00",
    "origin": "ODBUS",
    "status": 2,
    "booking_status": "Cancelled",
    "total_fare": 470.8,
    "bus_name": "TEST BUS 2",
    "bus_number": "OD05T2222",
    "cancellationslabs": null,
    "journeyDuration": "1h 0m",
    "passenger_details": [{
        "name": "danny",
        "gender": "M",
        "age": "33",
        "seat_name": "SL8"
    }]
  }
}

```

ErrorResponse:

```

{
  "status": "1",
  "message": "Record is not available",
  "data": null
}

```

Please email your queries or suggestions to support@odbus.in and we will review them.
In case of any technical issues, kindly share the JSON request body and JSON response data with us.

We always welcome your valuable suggestions!