

LiveRed → Technical Documentation: DSO Portal & LiveRED

Integration

Table of Contents

1. Getting Started
 - a. Scope of the Document
2. About LiveRED (Excise e-Platform)
 - a. Integration Overview
3. API Integration
 - a. Credits Management
 - b. OTTP Generation/Expiry
 - c. OTTP Extension
 - d. OTP Verification
 - e. OTTP Cancellation
 - f. Sandbox
 - i. Set-up Test Account
 - ii. Test Environment Credentials
 - iii. Troubleshooting
 - g. Error Codes & Definition

Getting Started

Scope of the Document

The LiveRED (Excise e-Platform) Developer Documentation is the primary resource for all LiveRED integration related information.

This document is meant for use by the Developers for

- Integration towards UI flows and data flows between the Delivery Service Operator System and LiveRED System
- Sandbox testing and troubleshooting

About LiveRED

Alcohol delivery is taking shape with installation of LiveRED → an application to integrate Delivery Service Operators & State Excise Departments to activate alcohol delivery while offering real-time tracking & handling of on-going transaction; and widening the business scope of the alcohol industry by studying the consumer behaviour. This application is tailor-made for specific jurisdictions and is readily-deployable.

Integration Overview

API Integration

This section details the APIs you need to work with to credits management system for handling operational issues.

Credit Management

Check Credits

For checking available credits in DSO account.

EndPoint: `livered/checkCredit`

Request Type: POST

Request Body:

```
{  
  "dso_id": "SW123"  
}
```

Request Parameters

dso_id	string	The DSO ID
--------	--------	------------

Response:

```
{  
  "amount": 1050  
}
```

Response Parameters

amount	float	Amount available in the DSO ccount
--------	-------	---------------------------------------

OTTP

This section outlines the OTTP engine's functionalities.

Generate OTTP

To generate OTTP for orders

End Point: /livered/genOttp:

Request Type: POST

Request Body:

```
{  
  "dso": {  
    "name": "SWIGGY",  
    "id": "SW123"
```

```
},
"delivery_agent": {
  "name": "DA",
  "age": 28,
  "vehicle_number": "TN10AB1010",
  "license_number": "0129AB28949212",
  "phone_number": "9099093302"
},
"consumer": {
  "name": "consumer NAME",
  "age": 22,
  "address": "consumer address",
  "gps": "12.21145,13.253522",
  "phone": "92929929922"
},
"order": {
  "order_id": "SW001",
  "items": [{
    "name": "Kingfisher",
    "type": "Beer",
    "price": 150.00,
    "volume": 650,
    "count": 1
  }],
  "total": 150.00,
  "total_volume": 650,
  "time_at_client": "2018-12-10T14:04:05.000Z"
},
"retailer": {
  "name": "Mani",
  "address": "retailer address",
  "gps": "12.21145,13.253522"
}
}
```

Request Parameters

dso.name	string	Name of the DSO provided during account set-up
dso.id	string	The DSO ID
delivery_agent.name	string	Delivery agent name
delivery_agent.age	int	Delivery agent age
delivery_agent.vehicle_number	string	Delivery agent vehicle number
delivery_agent.license_number	string	Delivery agent license number
delivery_agent.phone_number	string	Delivery agent phone number
consumer.name	string	Consumer name
consumer.age	int	Consumer age
consumer.address	string	Consumer address
consumer.gps	string	Consumer gps
consumer.phone	string	Consumer phone
order.order_id	string	Order ID of the order
order.items.name	string	Name of the item
order.items.type	string	Type of item
order.items.price	float	Price of item
order.items.volume	int	Volume in ml of the item

order.items.count	int	Count of a particular item
order.total	float	Total value of the item in Rs.
order.total_volume	int	Total volume of all the items in the order in ml
order.time_at_client	string	The time at the client when making the API call
retailer.name	string	Name of the retailer
retailer.address	string	Address of the retailer
retailer.gps	string	GPS of the retailer

Response:

```
"otp": {
  "otp_info": {
    "otp_id": "c35821c1-612d-495b-8645-e6a082ce540d",
    "issued_at": "2019/01/31 17:46:49",
    "expiry_at": "2019/01/31 18:31:49",
    "otp": "852814"
  }
}
```

Response Parameters

otp.otp_info.otp_id	string	OTTP ID of the order
otp.otp_info.issued_at	string	Issue time of OTTP
otp.otp_info.expiry_at	string	Expiry time of OTTP
otp.otp_info.otp	string	OTP sent to the consumer

Extend OTTP

To extend an ongoing OTTP

End Point: /livered/extendOtp

Request Type: POST

Request Body:

```
{
  "otp":{
    "dso":{
      "id": "SW123"
    },
    "otp_info": {
      "otp_id": "c606cc3d-44f6-41cb-aa2b-a3ef32546686"
    }
  },
  "extend_by_mins" : 10
}
```

Request Parameters

otp.dso.id	string	DSO ID
otp.otp_info.otp_id	string	OTTP ID of the order.
extend_by_mins	int	

Response:

```
{
  "otp": {
```

```
    "otp_info": {
      "otp_id": "c606cc3d-44f6-41cb-aa2b-a3ef32546686",
      "expiry_at": "2019-01-31 16:23:01.252428 +0000 UTC"
    }
  }
}
```

Response Parameters

otp.otp_info.otp_id	string	
otp.otp_info.expiry_at	string	

Cancel OTTP

To cancel an ongoing OTTP
End Point: /livered/cancelOtp
Request Type: POST

Request Body:

```
{
  "dso":{
    "id": "SW123"
  },
  "otp_info": {
    "otp_id": "c606cc3d-44f6-41cb-aa2b-a3ef32546686"
  }
}
```

Request Parameters

dso.id	string	
--------	--------	--

otp_info.otp_id	string	
-----------------	--------	--

Response:

```
{
  "otp": {}
}
```

Close OTTP

To close an ongoing OTTP

End Point: /livered/closeOtp

Request Type: POST

Request Body:

```
{
  "dso": {
    "id": "SW123"
  },
  "otp_info": {
    "otp_id": "aa5eb20a-451f-4e37-b49f-5e74cceb6ca"
  }
}
```

Request Parameters

dso.id	string	
otp_info.otp_id	string	

Response:

```
{
  "otp": {}
}
```

Sandbox

Following are the steps to trigger the test transaction:

- Setting Up Test Accounts
- Test Environment Credentials
- CheckList
- Troubleshooting

Setting Up Test Accounts

Go to [www](#) and download the LiveRED DSO Application for test environment.

Error Codes & Definitions

OTTP	
Error Response Code	Error Response Message
10101	Enter valid DSO name
10102	Enter valid DSO ID
10120	Enter valid Delivery Agent name
10121	Illegal Delivery Agent age
10122	Enter Delivery Agent contact number
10123	Invalid Delivery Agent contact number
10124	Empty Delivery Agent license number
10125	Invalid Delivery Agent license number
10126	Enter valid Delivery Agent vehicle number
10127	Invalid Delivery Agent vehicle number
10128	Enter valid Delivery Agent verification document

10140	Enter valid Consumer Name
10141	Enter valid Consumer Address
10142	Enter valid Consumer location/coordinates
10143	Enter valid Consumer contact number
10144	Consumer contact number does not exist
10145	Illegal Consumer age
10150	Enter valid order ID
10151	Enter valid time of the order pick-up
10152	Invalid order total
10153	Invalid order total volume
10160	Enter Item Details
10161	Enter valid item name
10162	Enter valid item type
10163	Illegal item price
10164	Illegal item volume
10165	Illegal item count
10170	Enter valid retailer ID
10171	Enter valid retailer name
10172	Enter valid retailer address
10173	Enter valid retailer location/coordinates

Rules	
Error Response Code	Error Response Message
10600	Delivery unavailable. Check after sometime
10601	Otp can't be issued during restricted time
10602	Otp can't be issued before issue time
10603	Otp expiry time exceeds the stipulated time constraints
10604	Maximum total possession limit exceeded
10605	Genre possession limit exceeded
10606	Illegal age for alcohol consumption

Credits	
Error Response Code	Error Response Message
10700	Low on credits. Update your credits.

Go to [www](#) and download the LiveRED DSO Application for test environment.